

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051269.D
 Acq On : 17 Sep 2018 12:24
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:51 PM

Quant Time: Sep 18 05:43:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	575182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	794147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	733626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	391231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	928112	145.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.46%	
35) Dibromofluoromethane	7.59	113	926242	154.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.06%	
50) Toluene-d8	10.09	98	3566945	156.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.50%	
62) 4-Bromofluorobenzene	12.40	95	1219905	162.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	813909	144.20	ug/l	100
3) Chloromethane	2.06	50	1060351	133.47	ug/l	99
4) Vinyl Chloride	2.18	62	1082635	141.30	ug/l	99
5) Bromomethane	2.55	94	677152	132.02	ug/l	98
6) Chloroethane	2.69	64	644673	136.67	ug/l	98
7) Trichlorofluoromethane	3.01	101	1502783	147.19	ug/l	98
8) Diethyl Ether	3.41	74	521265	141.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	916778	140.06	ug/l	100
10) Methyl Iodide	3.95	142	1094139	192.38	ug/l	99
11) Tert butyl alcohol	4.79	59	271178	571.22	ug/l	99
12) 1,1-Dichloroethene	3.73	96	876295	142.72	ug/l	100
13) Acrolein	3.61	56	409422	735.81	ug/l	99
14) Allyl chloride	4.32	41	1333969	143.22	ug/l	100
15) Acrylonitrile	4.99	53	1416758	661.27	ug/l	99
16) Acetone	3.82	43	986577	558.56	ug/l	99
17) Carbon Disulfide	4.05	76	2678599	132.09	ug/l	100
18) Methyl Acetate	4.33	43	630570	123.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2252904	140.42	ug/l	98
20) Methylene Chloride	4.55	84	965679	136.18	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	933154	139.83	ug/l	99
22) Diisopropyl ether	5.95	45	2586457	140.09	ug/l	96
23) Vinyl Acetate	5.90	43	8757470	704.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1632278	138.45	ug/l	99
25) 2-Butanone	6.84	43	1486041	603.32	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1344245	139.35	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1045434	143.38	ug/l	99
28) Bromochloromethane	7.20	49	714238	138.24	ug/l	98
29) Tetrahydrofuran	7.21	42	970722	630.25	ug/l	99
30) Chloroform	7.37	83	1638195	139.72	ug/l	99
31) Cyclohexane	7.65	56	1509115	126.94	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1453927	144.87	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1320887	150.17	ug/l	99
37) Ethyl Acetate	6.93	43	671371	134.51	ug/l	100
38) Carbon Tetrachloride	7.78	117	1334534	152.75	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1548729	159.89	ug/l	98
40) Benzene	8.04	78	3910470	147.79	ug/l	99
41) Methacrylonitrile	7.18	41	330649	125.65	ug/l	86
42) 1,2-Dichloroethane	8.13	62	1120700	145.22	ug/l	100
43) Isopropyl Acetate	8.17	43	1219233	138.57	ug/l	99
44) Trichloroethene	8.83	130	1092622	150.53	ug/l	97
45) 1,2-Dichloropropane	9.12	63	995231	145.82	ug/l	100
46) Dibromomethane	9.21	93	591567	141.85	ug/l	100
47) Bromodichloromethane	9.40	83	1292615	151.76	ug/l	99
48) Methyl methacrylate	9.20	41	631095	146.93	ug/l	99
49) 1,4-Dioxane	9.20	88	173340	2588.87	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3207987	660.19	ug/l	100
52) Toluene	10.16	92	2468121	153.06	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1347601	159.38	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1555418	156.43	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	844528	144.73	ug/l	100
56) Ethyl methacrylate	10.43	69	1075366	155.73	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1420468	147.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2495065	870.02	ug/l	100
59) 2-Hexanone	10.75	43	2100662	640.43	ug/l	98
60) Dibromochloromethane	10.90	129	1036001	156.05	ug/l	99
61) 1,2-Dibromoethane	11.01	107	860870	150.54	ug/l	98
64) Tetrachloroethene	10.63	164	990820	145.59	ug/l	98
65) Chlorobenzene	11.43	112	2778565	149.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1030334	152.61	ug/l	100
67) Ethyl Benzene	11.51	91	4721110	156.58	ug/l	99
68) m/p-Xylenes	11.62	106	3682826	317.40	ug/l	100
69) o-Xylene	11.95	106	1775510	157.97	ug/l	99
70) Styrene	11.96	104	2879658	165.43	ug/l	100
71) Bromoform	12.13	173	726408	153.76	ug/l #	100
73) Isopropylbenzene	12.25	105	4651010	141.23	ug/l	100
74) N-amyl acetate	12.07	43	1013025	125.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	985081	113.16	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	782719m	111.87	ug/l	
77) Bromobenzene	12.53	156	1217593	137.30	ug/l	99
78) n-propylbenzene	12.59	91	5230346	144.47	ug/l	100
79) 2-Chlorotoluene	12.67	91	3074956	135.89	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3825146	143.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	277661	136.70	ug/l	98
82) 4-Chlorotoluene	12.77	91	3129729	139.61	ug/l	100
83) tert-Butylbenzene	12.99	119	3334874	141.80	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3886765	148.34	ug/l	100
85) sec-Butylbenzene	13.17	105	4359287	144.41	ug/l	100
86) p-Isopropyltoluene	13.29	119	3928777	153.67	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2128626	141.87	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2086305	141.21	ug/l	100
89) n-Butylbenzene	13.61	91	3154380	159.48	ug/l	99
90) Hexachloroethane	13.87	117	719205	136.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1996368	136.75	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	146005	115.93	ug/l	98

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 18 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1091771	176.85	ug/l	99
94) Hexachlorobutadiene	15.01	225	654888	126.66	ug/l	99
95) Naphthalene	15.13	128	2070210	160.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1013620	157.83	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

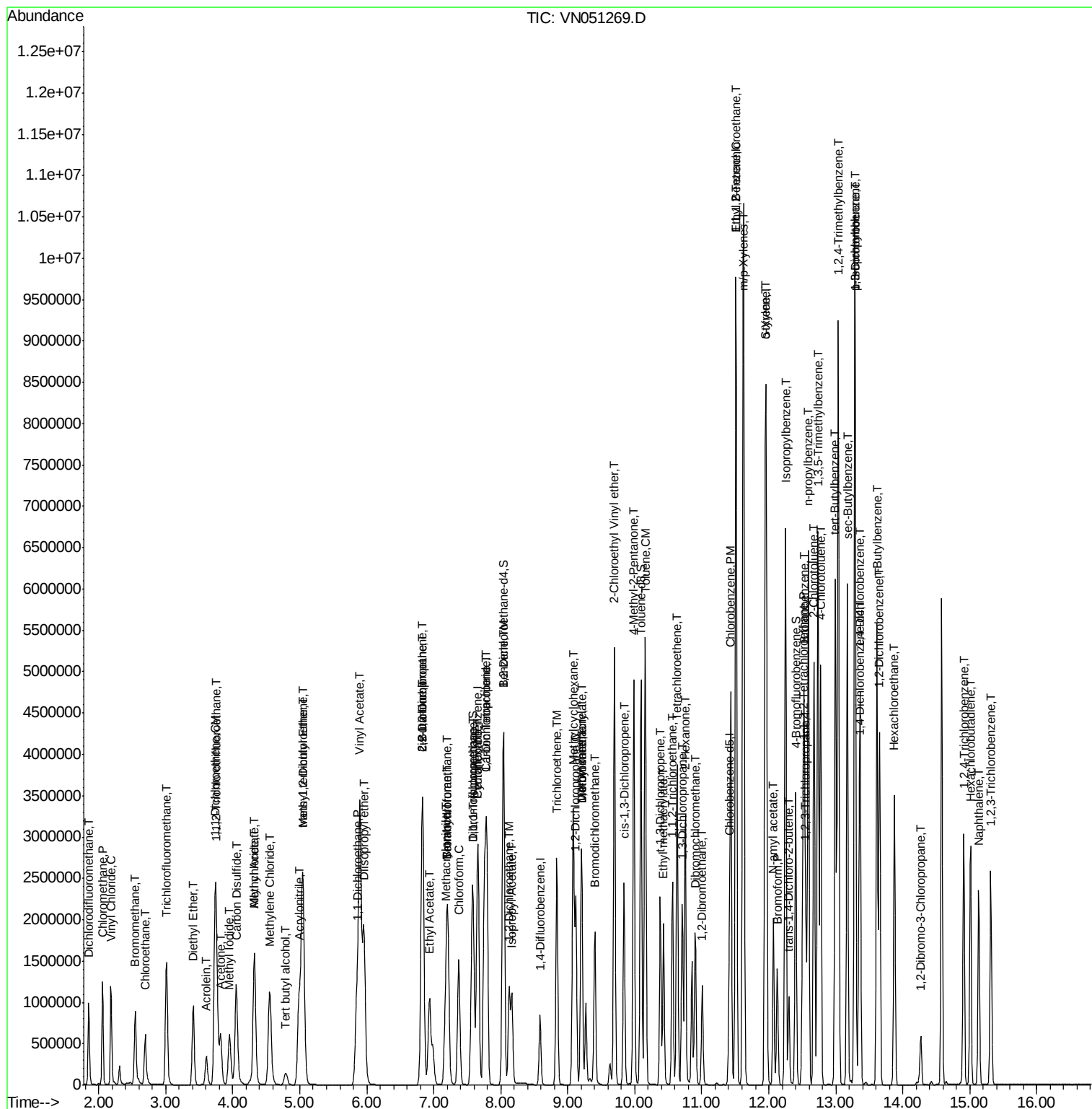
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
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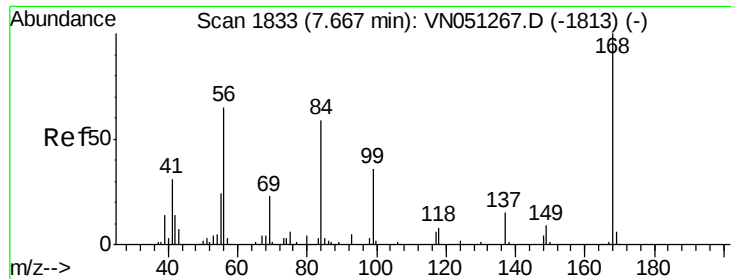
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 575182

Ion Ratio Lower Upper

168 100

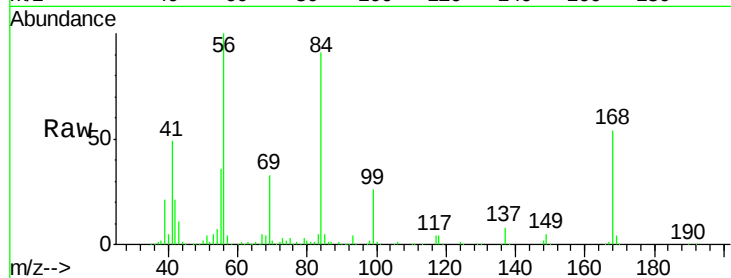
99 48.3 38.2 57.4

Manual Integrations

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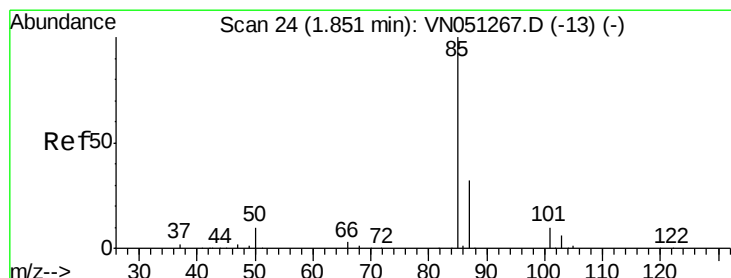
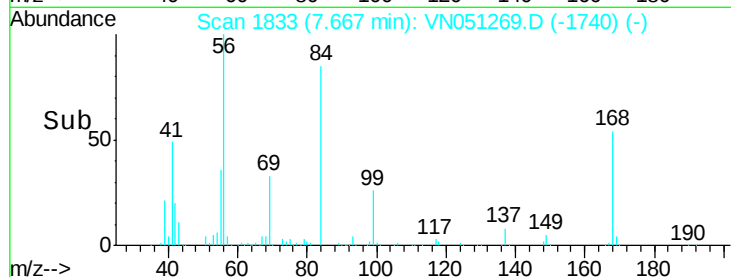
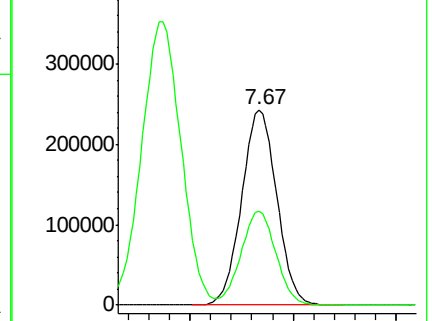
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 144.20 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051269.D

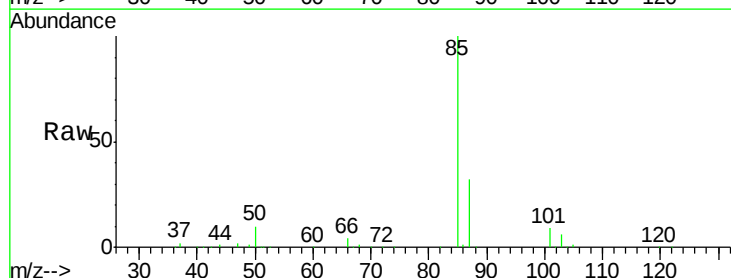
Acq: 17 Sep 2018 12:24

Tgt Ion: 85 Resp: 813909

Ion Ratio Lower Upper

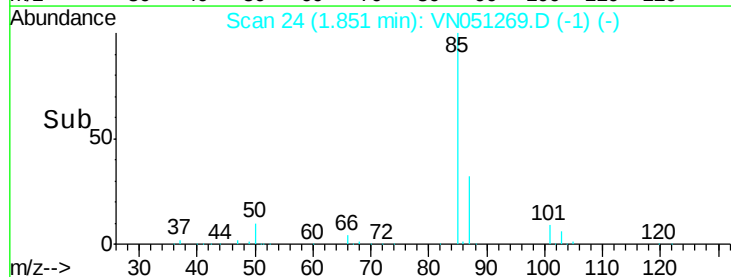
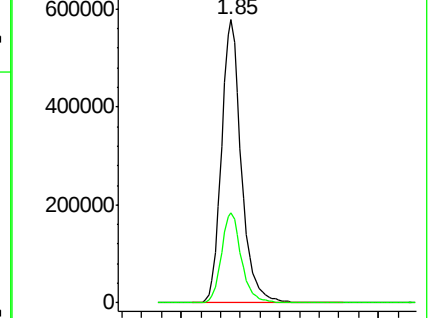
85 100

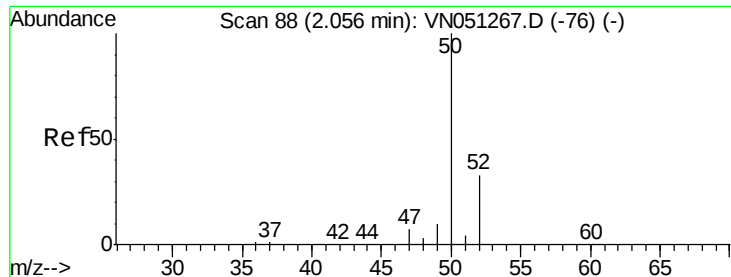
87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 133.47 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Tot Ion: 50 Resp: 1060351

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0

Instrument :

MSVOA_N

ClientSampled :

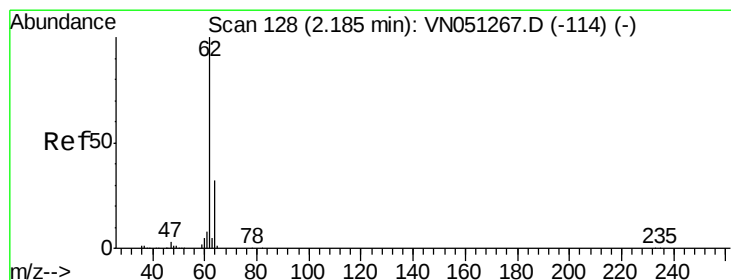
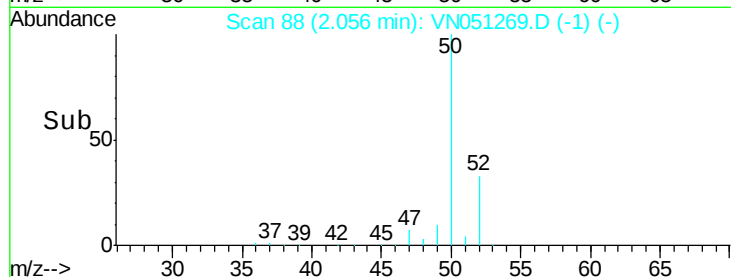
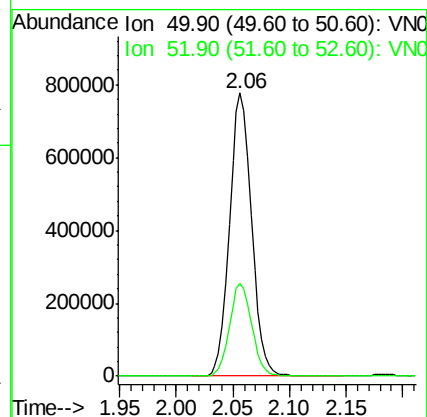
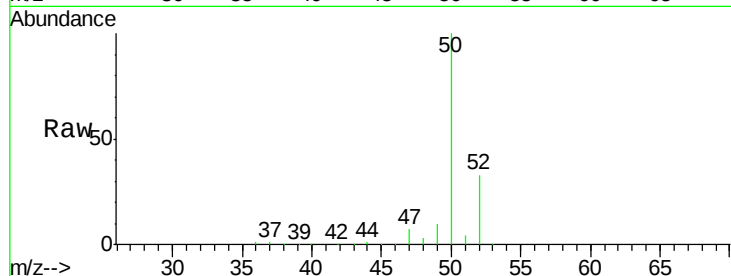
VSTDIC150

Manual Integrations

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#4

Vinyl Chloride

Concen: 141.30 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051269.D

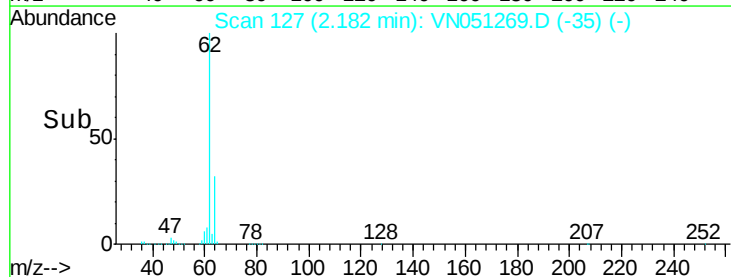
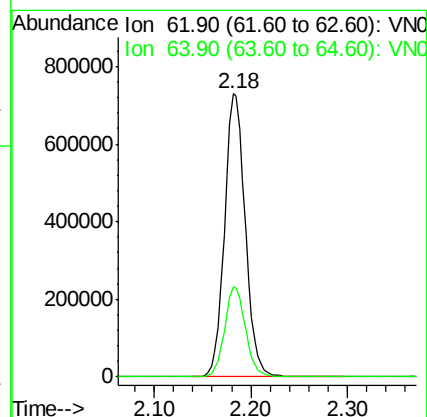
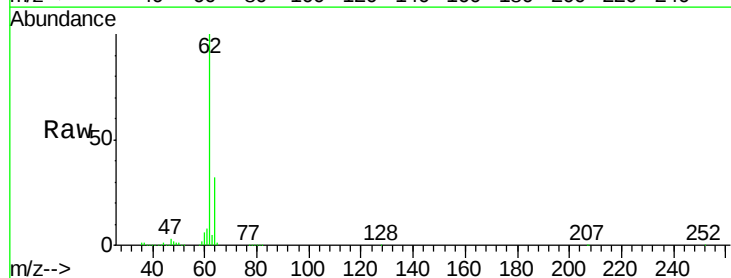
Acq: 17 Sep 2018 12:24

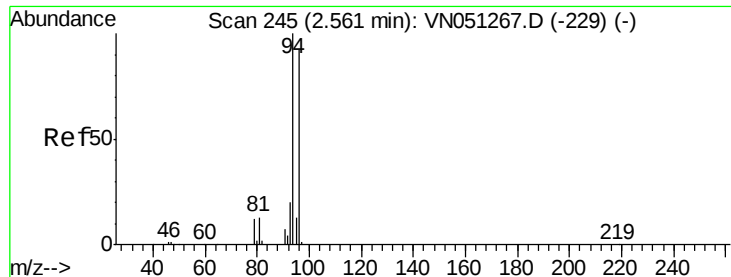
Tgt Ion: 62 Resp: 1082635

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.6





#5

Bromomethane

Concen: 132.02 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 677152

Ion Ratio Lower Upper

94 100

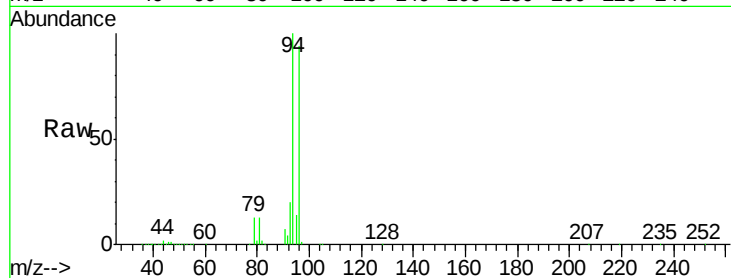
96 94.3 73.8 110.8

Manual Integrations

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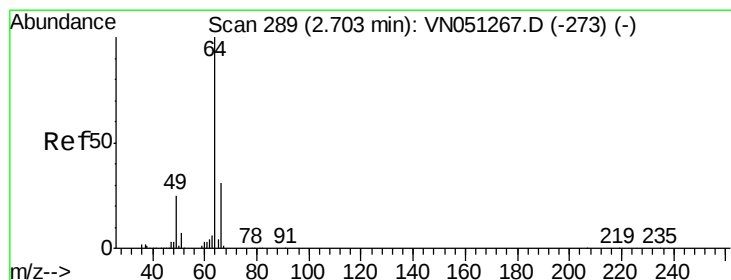
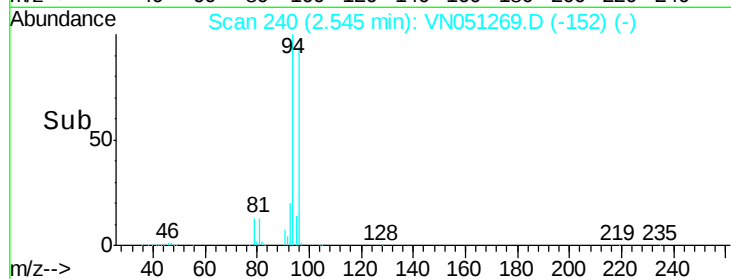
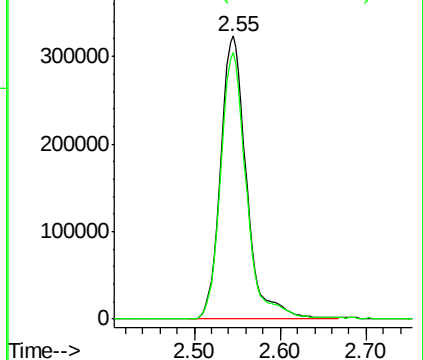
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 136.67 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051269.D

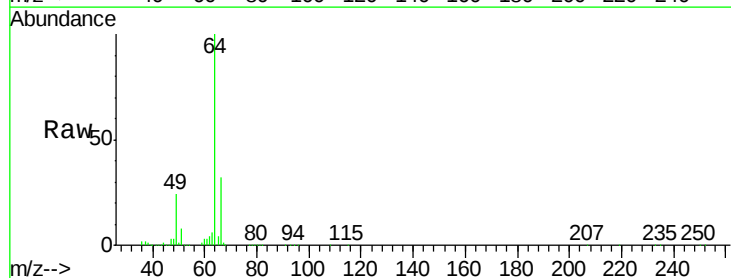
Acq: 17 Sep 2018 12:24

Tgt Ion: 64 Resp: 644673

Ion Ratio Lower Upper

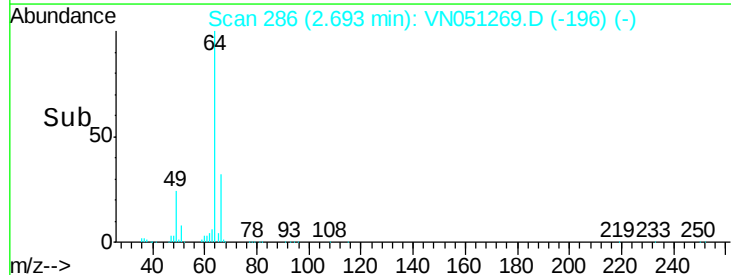
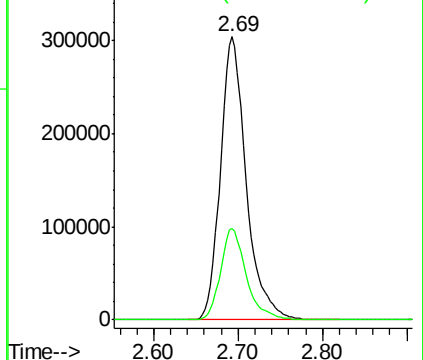
64 100

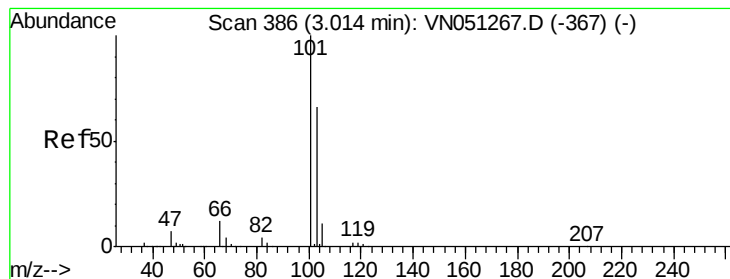
66 32.4 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

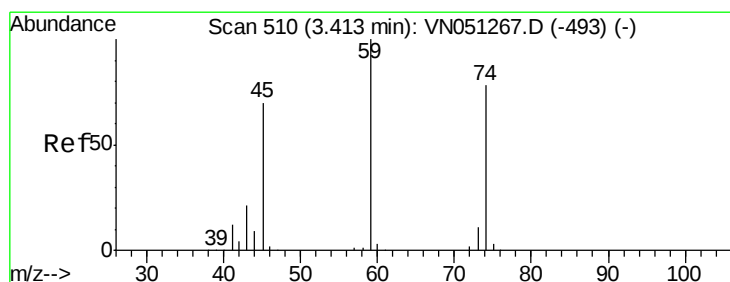
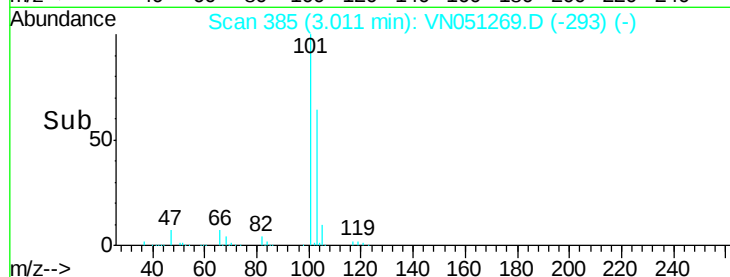
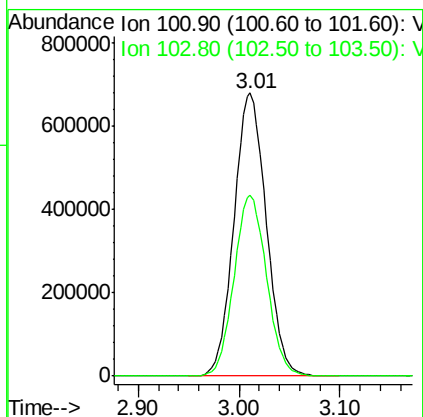
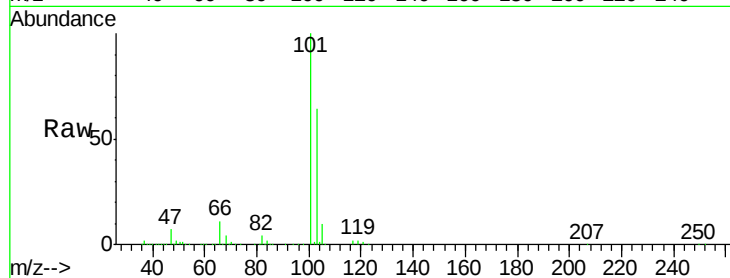
Trichlorofluoromethane
 Concen: 147.19 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1502783
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.7 79.1

Manual Integrations
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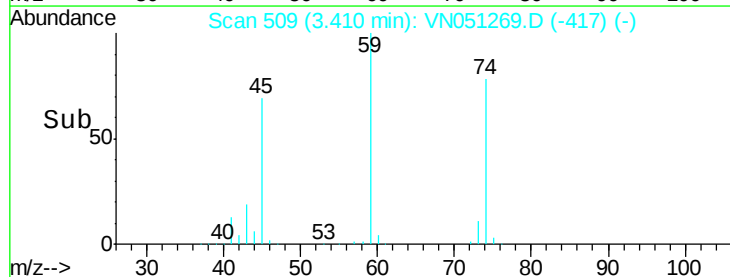
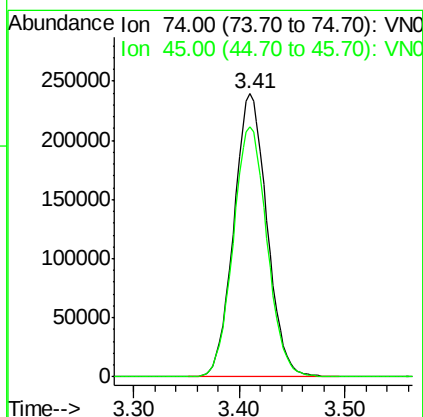
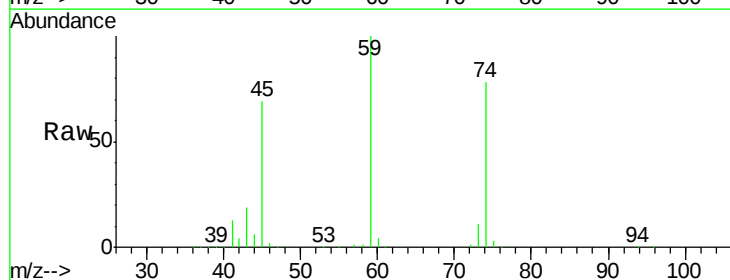
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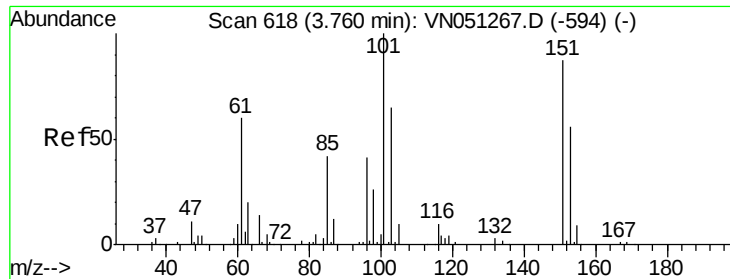


#8

Diethyl Ether
 Concen: 141.39 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion: 74 Resp: 521265
 Ion Ratio Lower Upper
 74 100
 45 90.5 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.06 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 916778

Ion Ratio Lower Upper

101 100

85 41.2 33.0 49.6

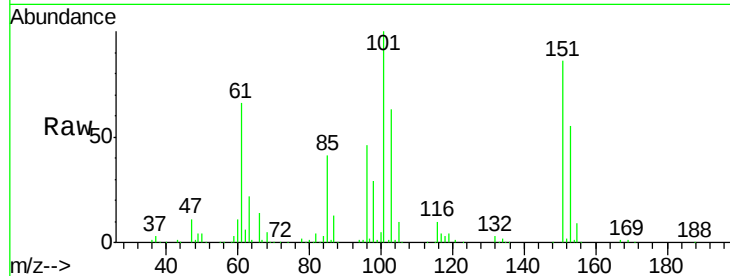
151 86.9 69.8 104.8

Manual Integrations

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MMDadoda

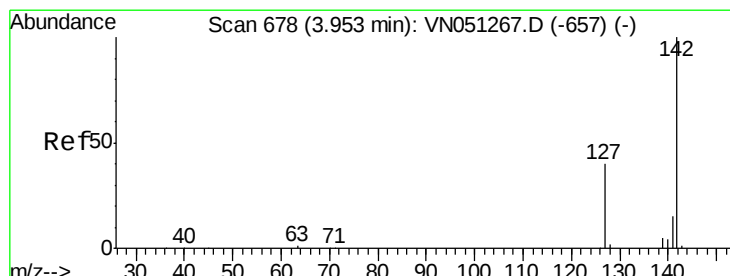
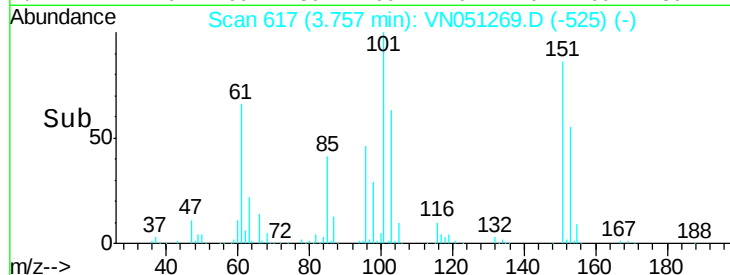
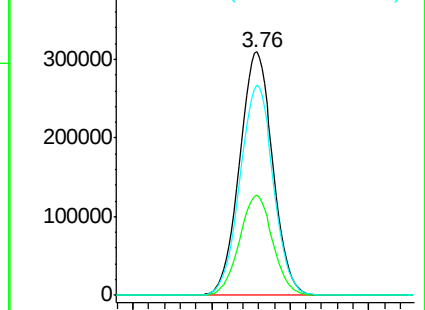
9/19/2018 4:57:51 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 192.38 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

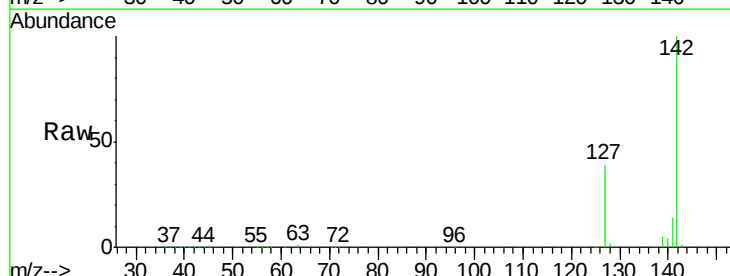
Tgt Ion:142 Resp: 1094139

Ion Ratio Lower Upper

142 100

127 39.2 31.7 47.5

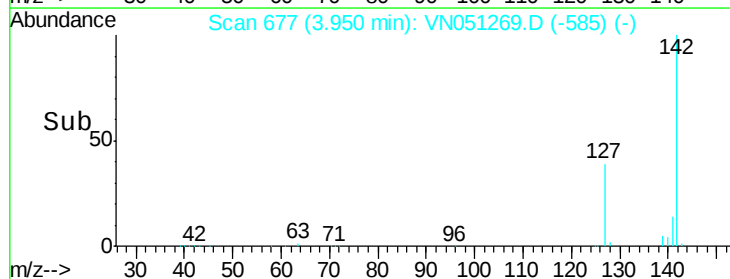
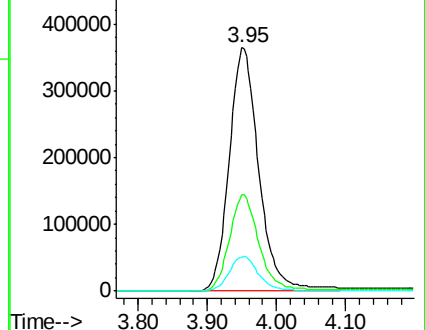
141 14.1 11.6 17.4

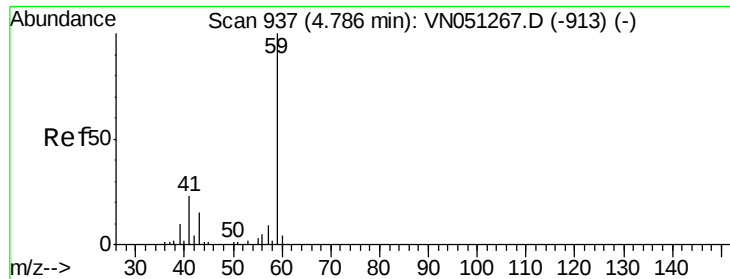


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

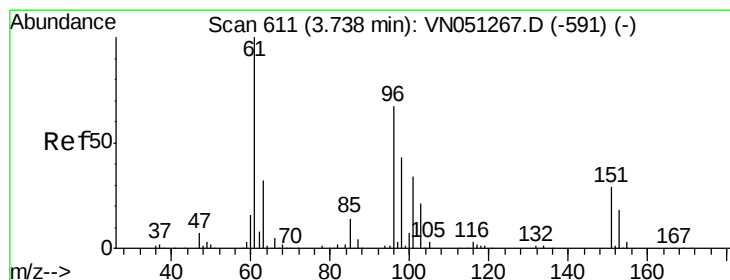
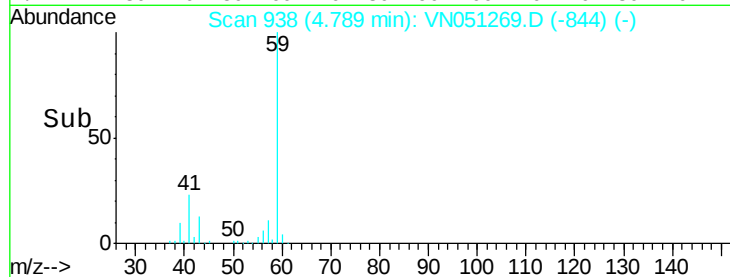
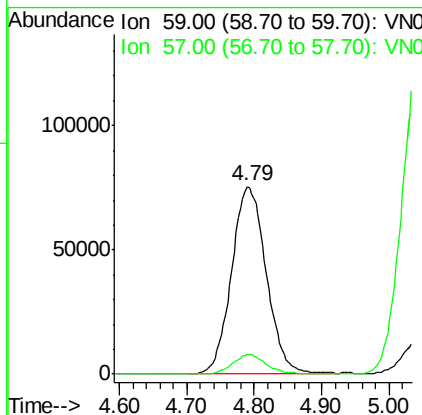
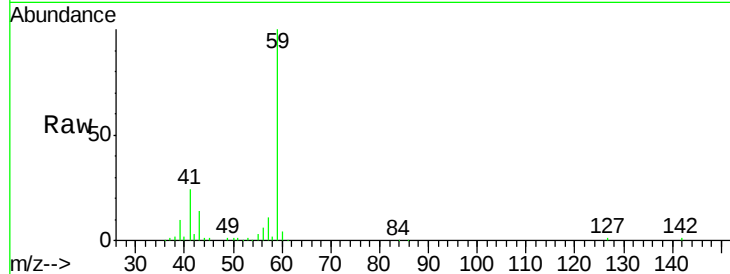
Tert butyl alcohol
 Concen: 571.22 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
 APPROVED

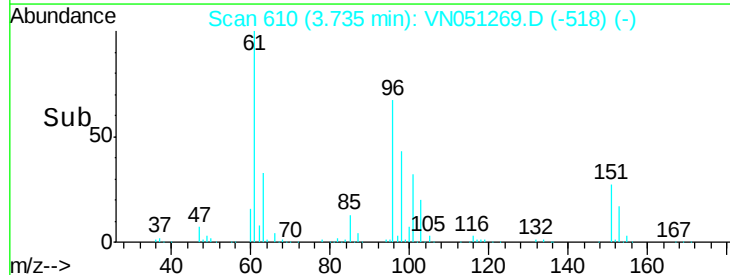
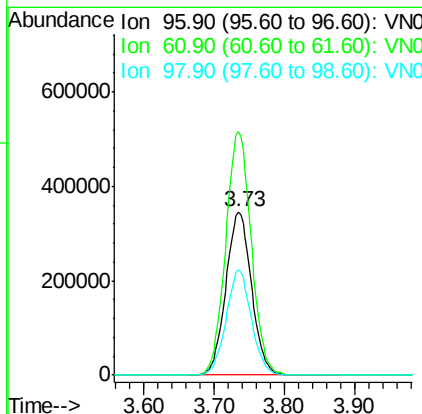
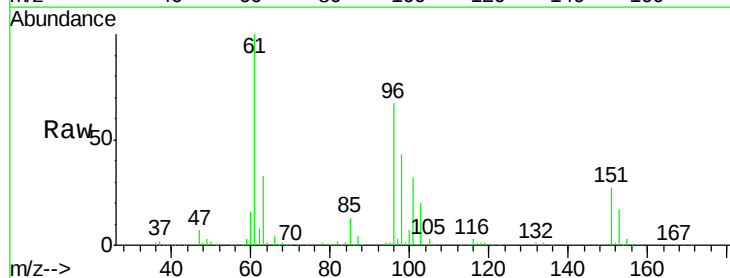
MMDadoda
 9/19/2018 4:57:51 PM

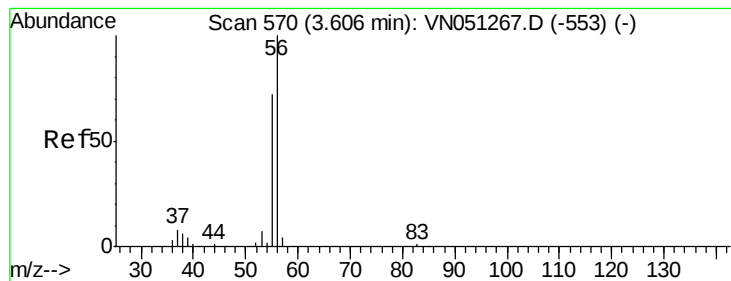


#12

1,1-Dichloroethene
 Concen: 142.72 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	119.3	178.9
98	64.4	51.8	77.6





#13

Acrolein

Concen: 735.81 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 409422

Ion Ratio Lower Upper

56 100

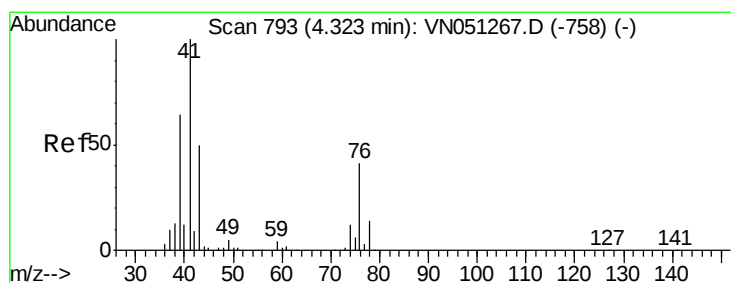
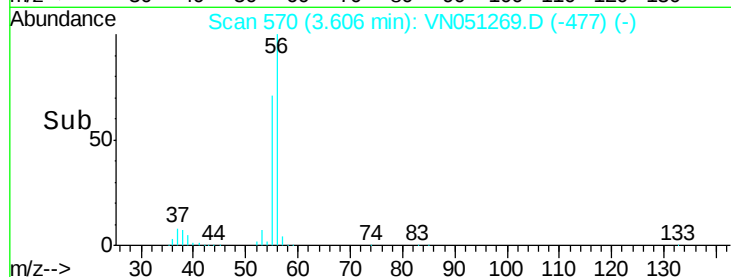
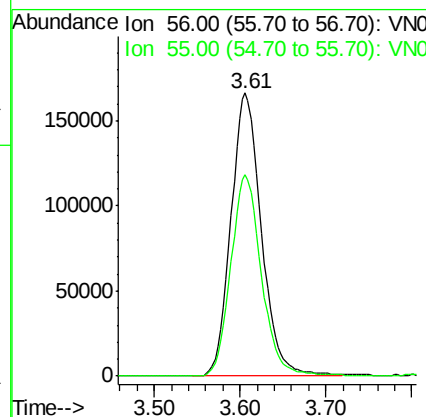
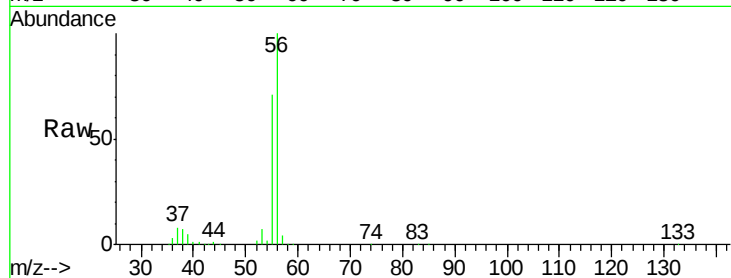
55 71.1 56.4 84.6

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 143.22 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

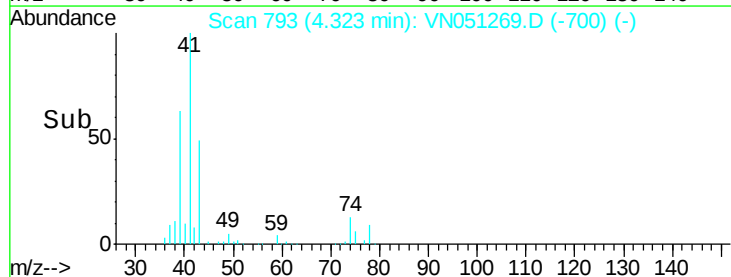
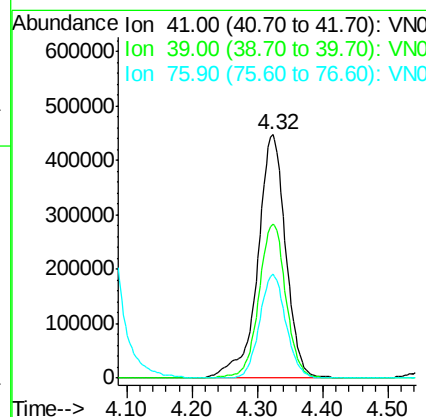
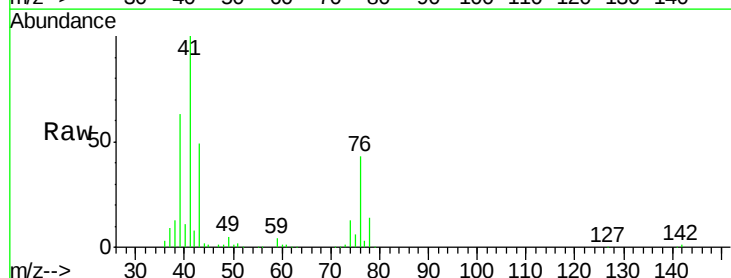
Tgt Ion: 41 Resp: 1333969

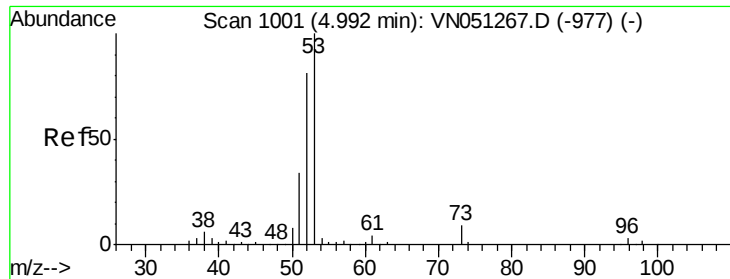
Ion Ratio Lower Upper

41 100

39 61.1 49.0 73.4

76 39.6 31.4 47.0





#15

Acrylonitrile

Concen: 661.27 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1416758

Ion Ratio Lower Upper

53 100

52 82.5 65.0 97.6

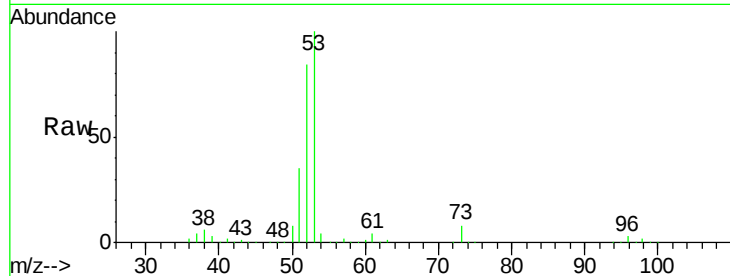
51 35.6 28.0 42.0

Manual Integrations

APPROVED

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Abundance Ion 53.00 (52.70 to 53.70): VN051269.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN051269.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN051269.D (-977) (-)

4.99

500000

400000

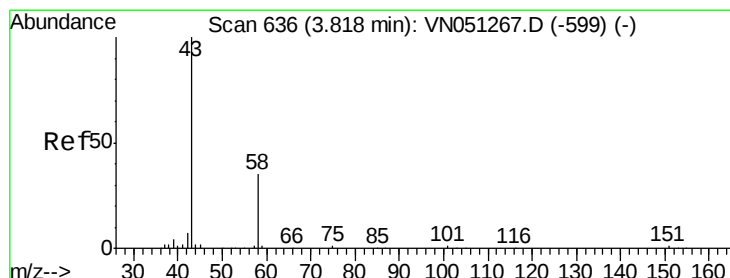
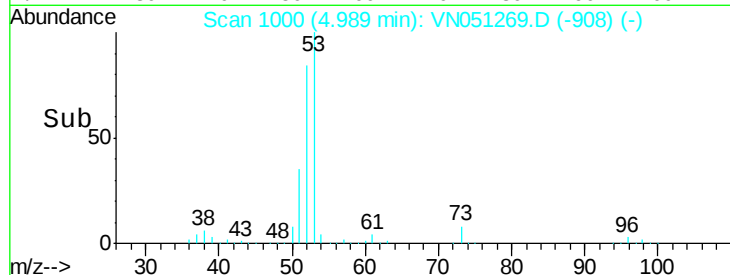
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 558.56 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051269.D

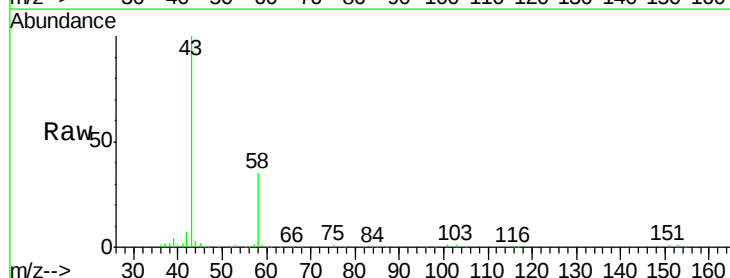
Acq: 17 Sep 2018 12:24

Tgt Ion: 43 Resp: 986577

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VN051269.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN051269.D (-543) (-)

3.82

400000

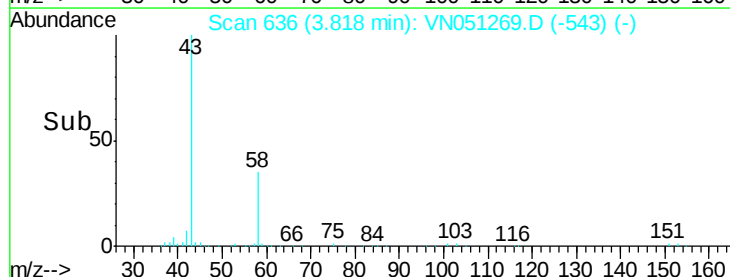
300000

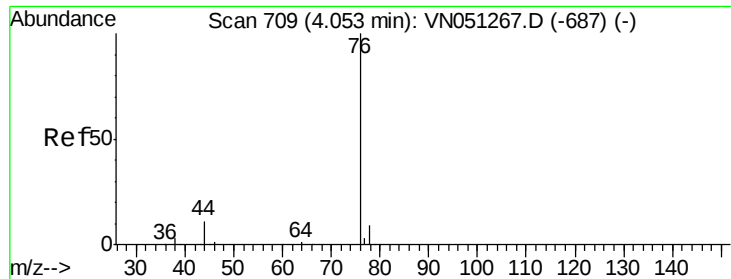
200000

100000

0

Time-->





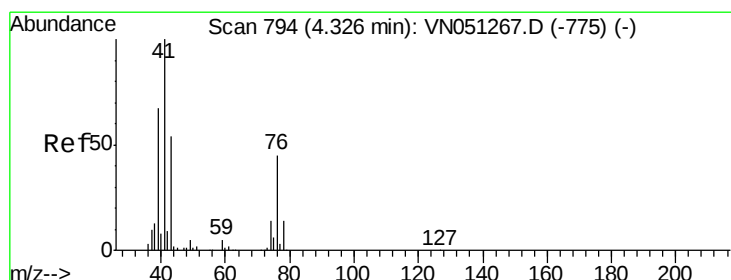
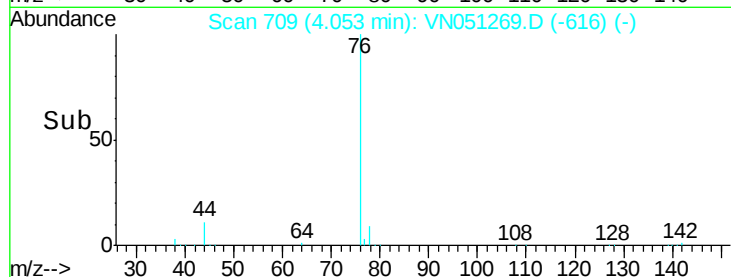
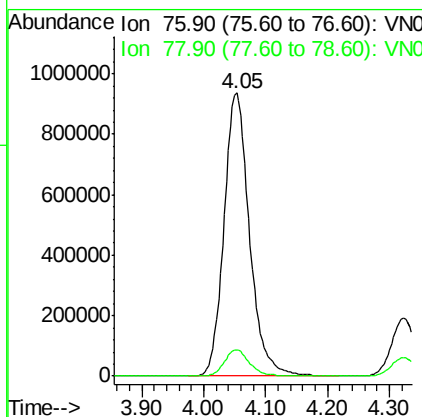
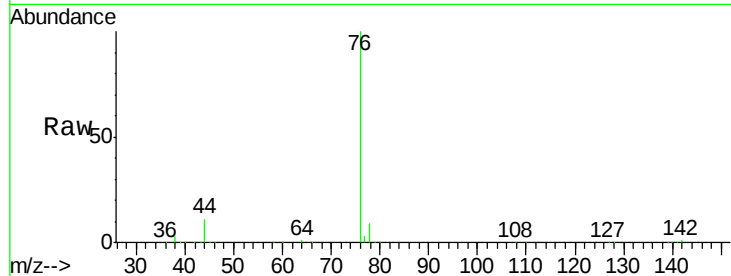
#17
Carbon Disulfide
Concen: 132.09 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2678599
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

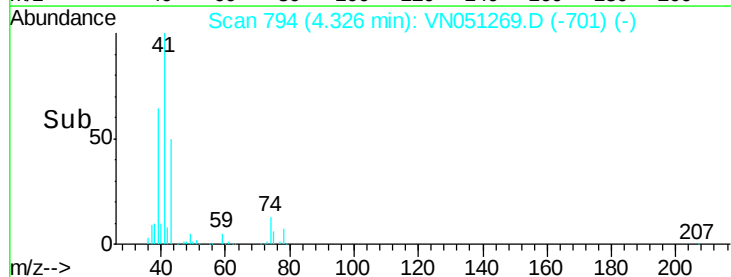
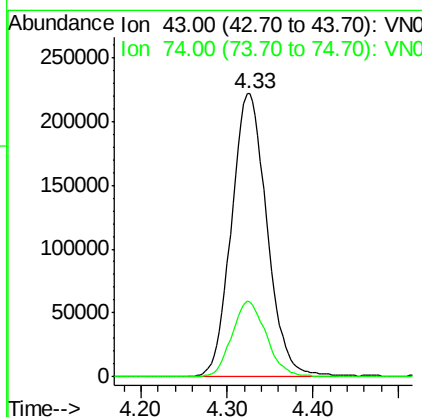
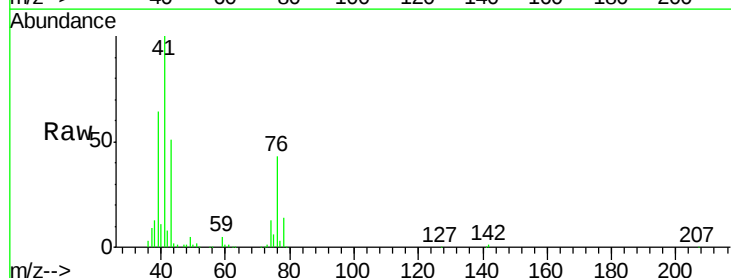
Manual Integrations
APPROVED

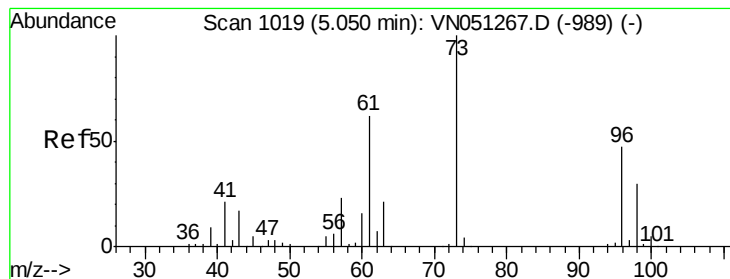
MMDadoda
9/19/2018 4:57:51 PM



#18
Methyl Acetate
Concen: 123.93 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion: 43 Resp: 630570
Ion Ratio Lower Upper
43 100
74 26.4 20.8 31.2





#19

Methyl tert-butyl Ether

Concen: 140.42 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Tot Ion: 73 Resp: 2252904

Ion Ratio Lower Upper

73 100

57 21.4 18.1 27.1

Instrument :

MSVOA_N

ClientSampleId :

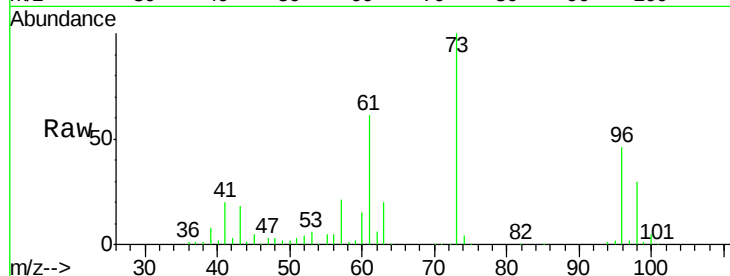
VSTDIC150

Manual Integrations

APPROVED

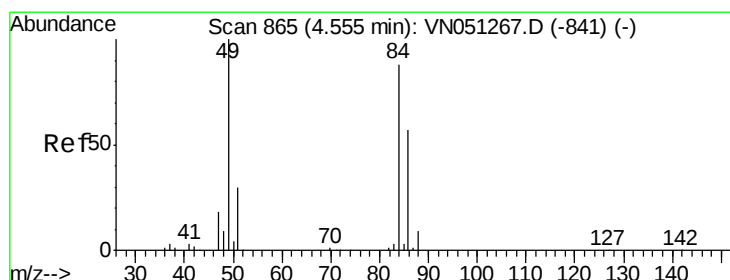
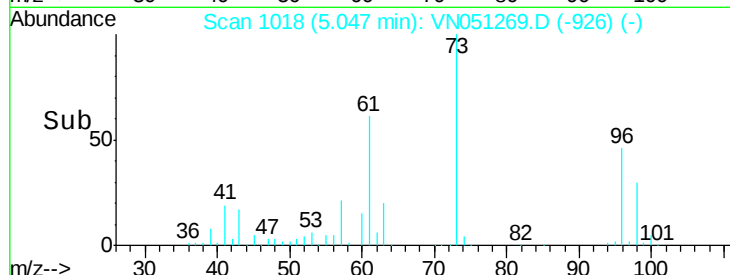
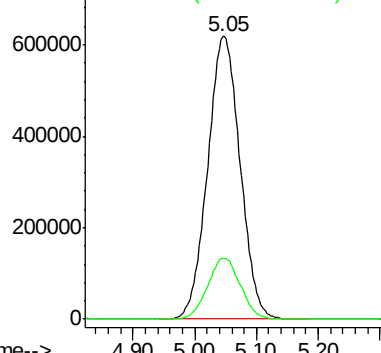
MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 136.18 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Tgt Ion: 84 Resp: 965679

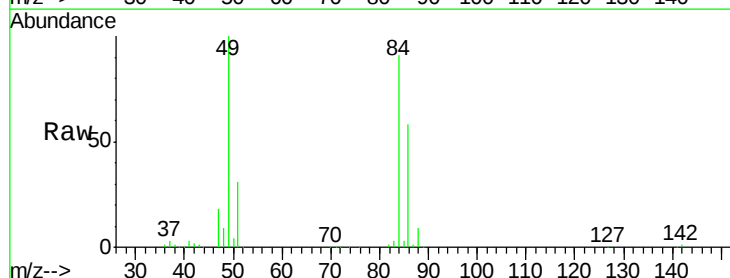
Ion Ratio Lower Upper

84 100

49 110.3 91.2 136.8

51 34.7 27.7 41.5

86 63.9 52.0 78.0

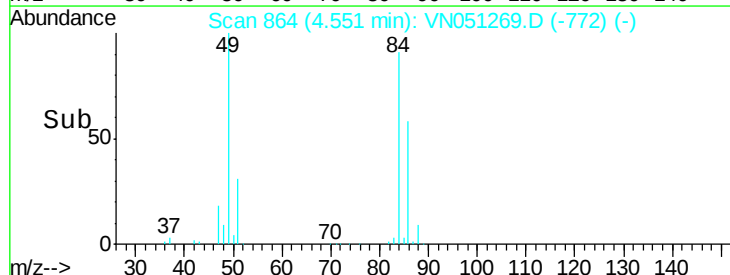
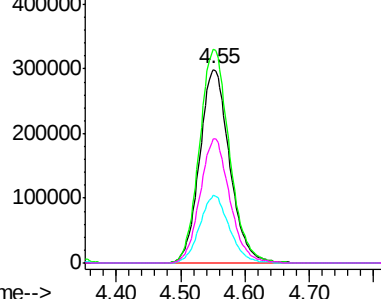


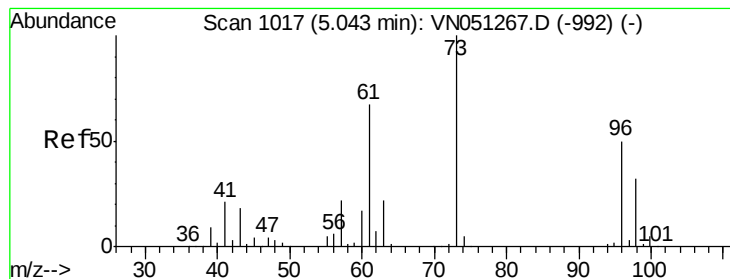
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 139.83 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 933154

Ion Ratio Lower Upper

96 100

61 132.5 106.7 160.1

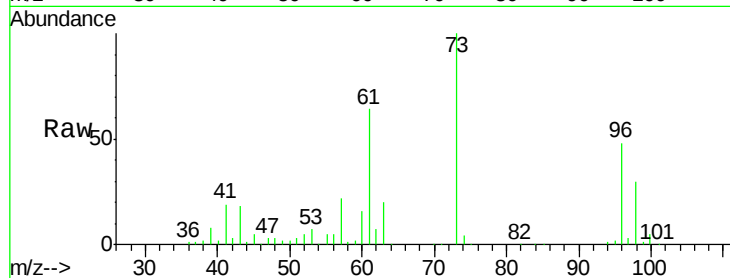
98 63.3 51.4 77.0

Manual Integrations

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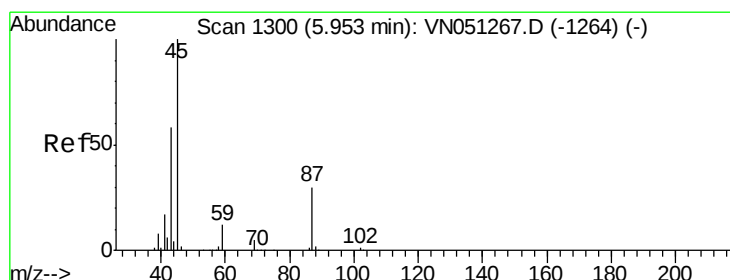
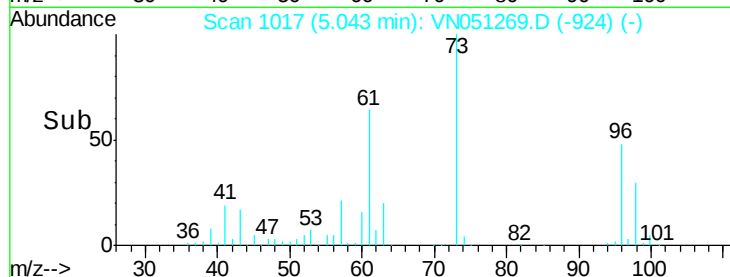
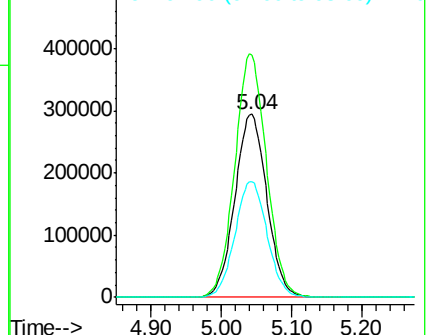


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 140.09 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Tgt Ion: 45 Resp: 2586457

Ion Ratio Lower Upper

45 100

43 54.3 46.7 70.1

87 31.6 24.6 36.8

59 12.3 9.6 14.4

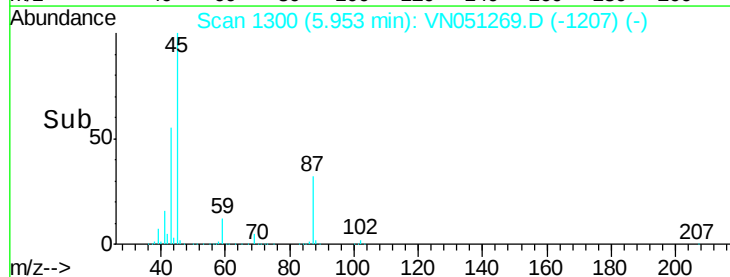
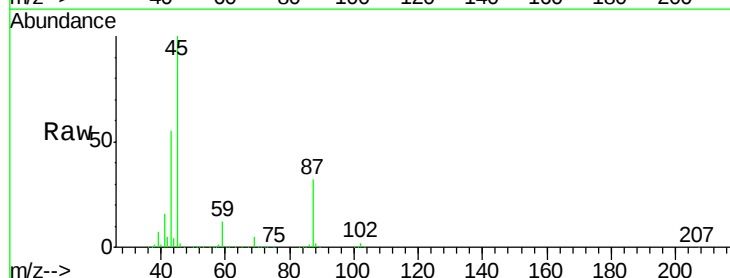
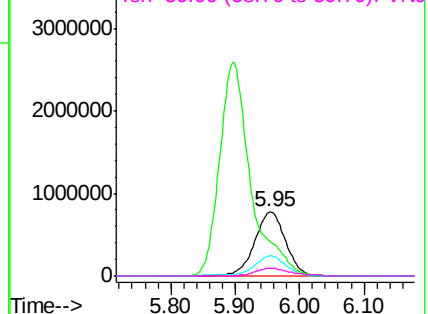
Abundance

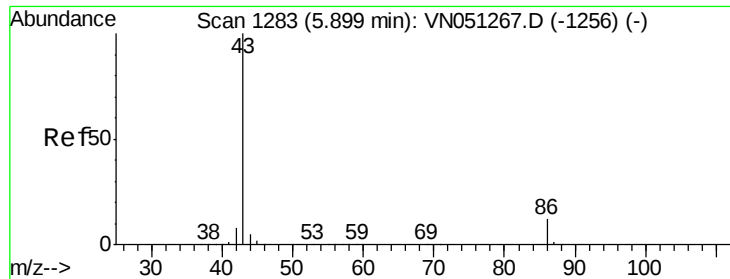
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





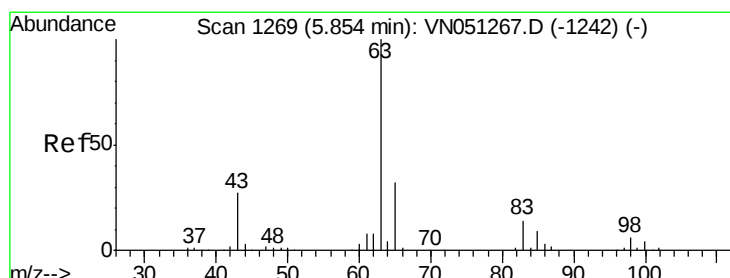
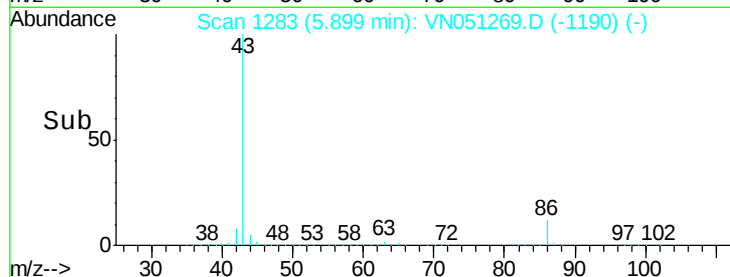
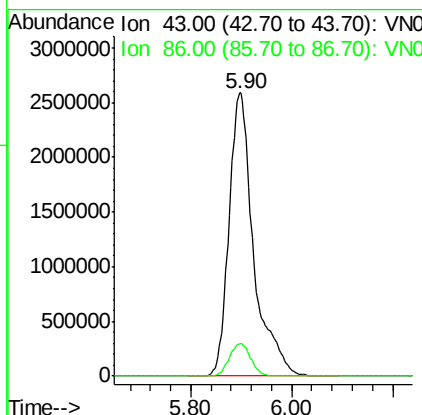
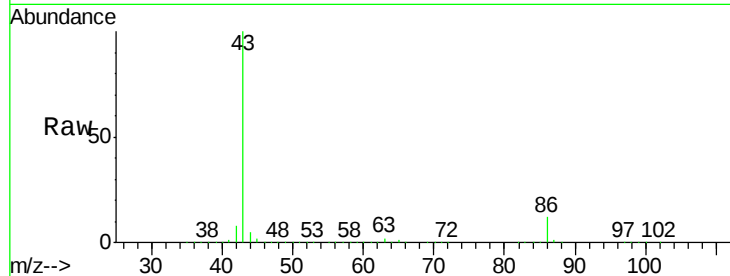
#23
 Vinyl Acetate
 Concen: 704.21 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 43 Resp: 8757470
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.3 13.9

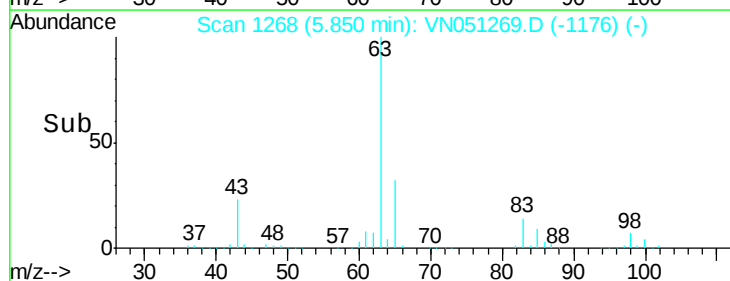
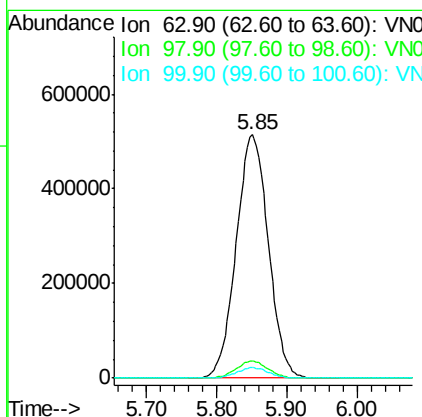
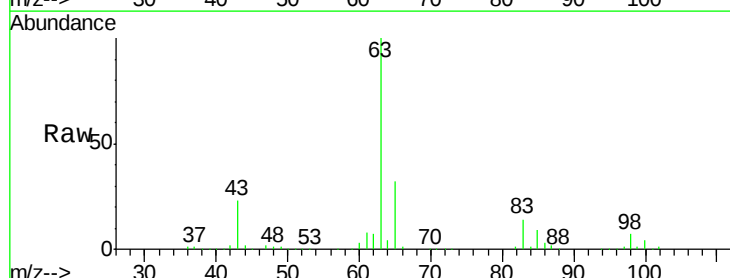
Manual Integrations
 APPROVED

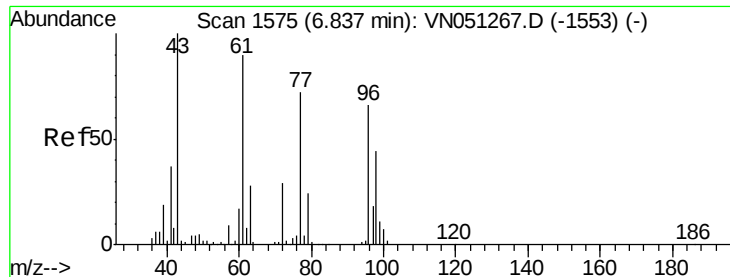
MMDadoda
 9/19/2018 4:57:51 PM



#24
 1,1-Dichloroethane
 Concen: 138.45 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion: 63 Resp: 1632278
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 603.32 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1486041

Ion Ratio Lower Upper

43 100

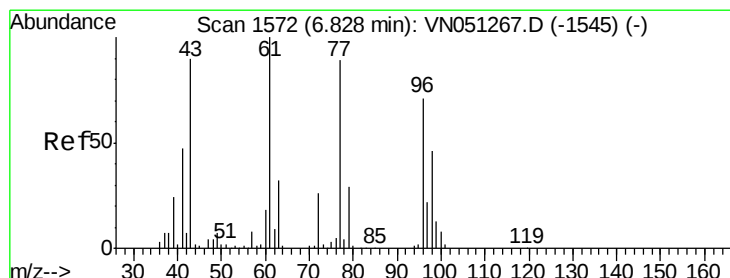
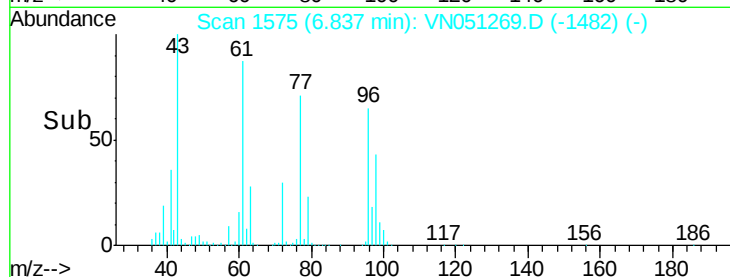
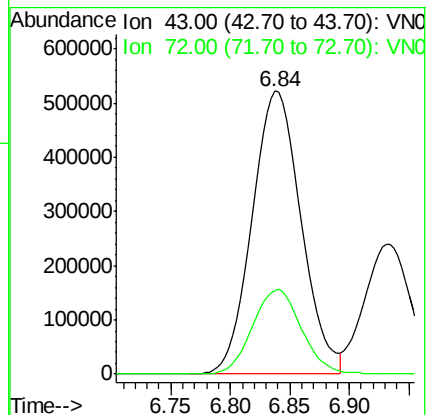
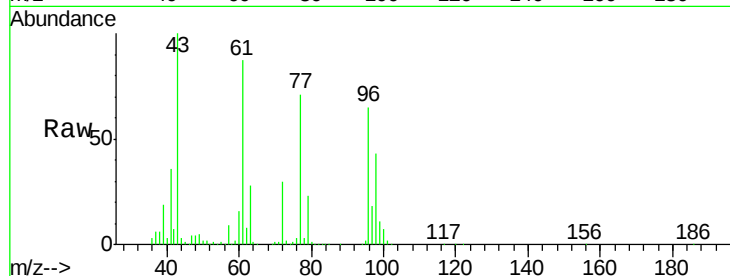
72 29.7 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 139.35 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051269.D

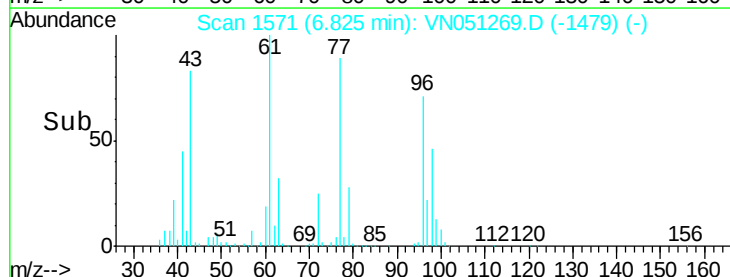
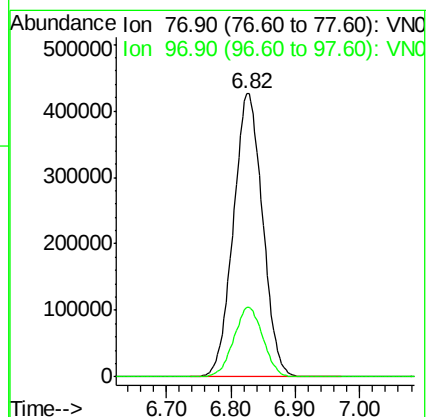
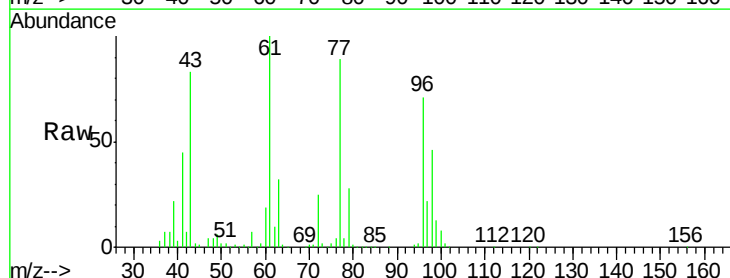
Acq: 17 Sep 2018 12:24

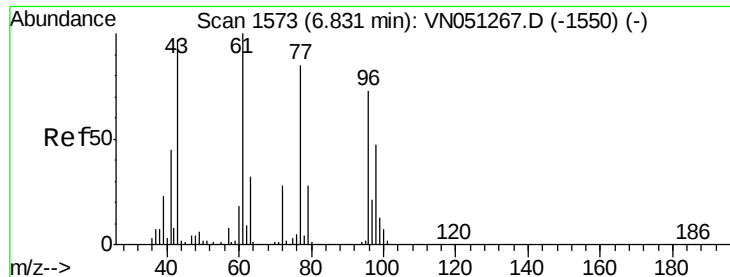
Tgt Ion: 77 Resp: 1344245

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 143.38 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1045434

Ion Ratio Lower Upper

96 100

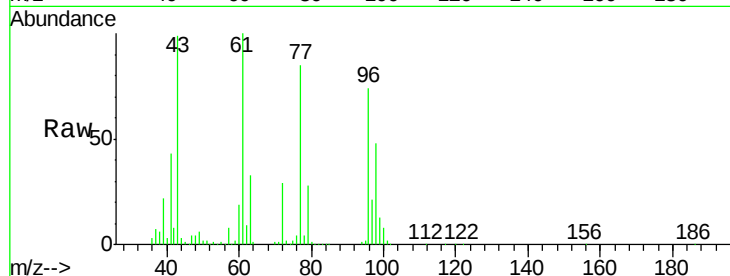
61 136.9 0.0 276.2

98 64.7 0.0 129.2

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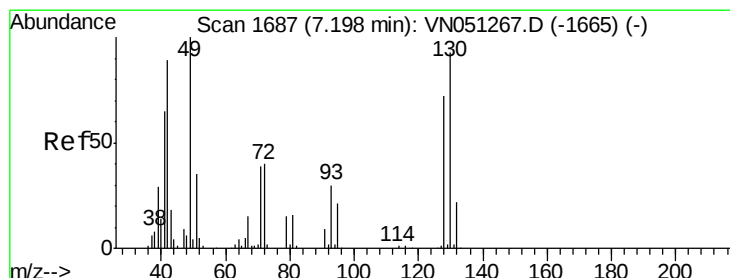
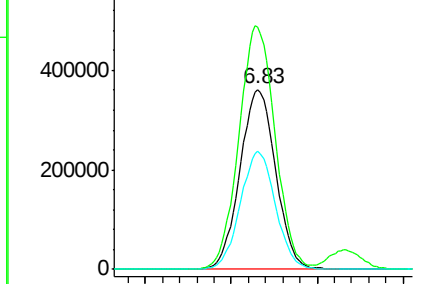
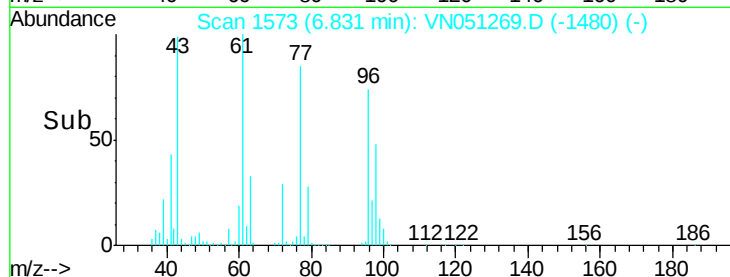


Abundance Ion 95.90 (95.60 to 96.60): VN051267.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051267.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051267.D (-1550) (-)

Time-->



#28

Bromochloromethane

Concen: 138.24 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

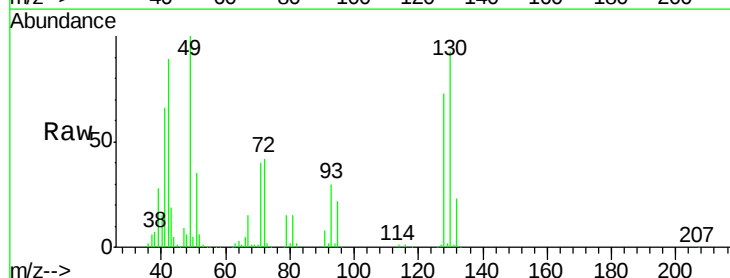
Tgt Ion: 49 Resp: 714238

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 93.9 73.7 110.5

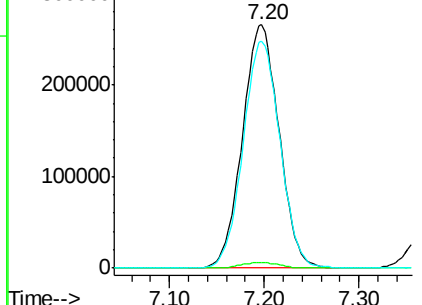
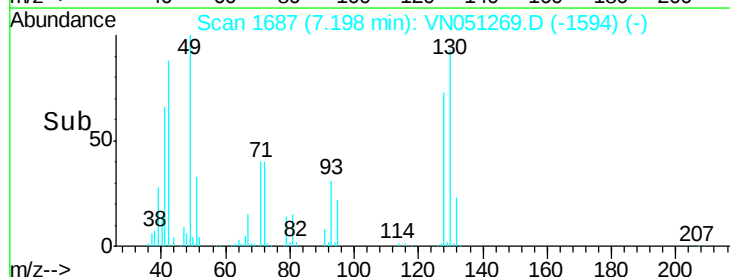


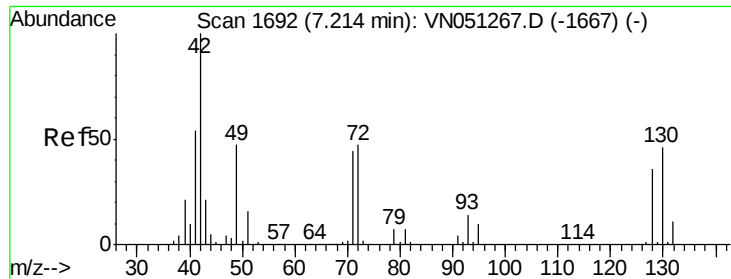
Abundance Ion 48.90 (48.60 to 49.60): VN051269.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051269.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051269.D (-1594) (-)

Time-->





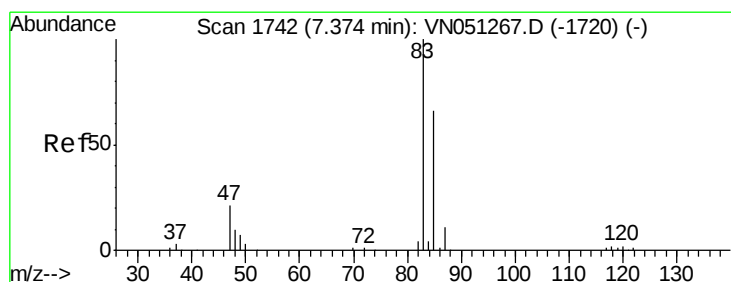
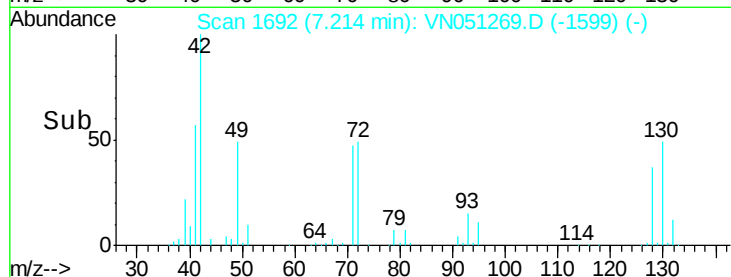
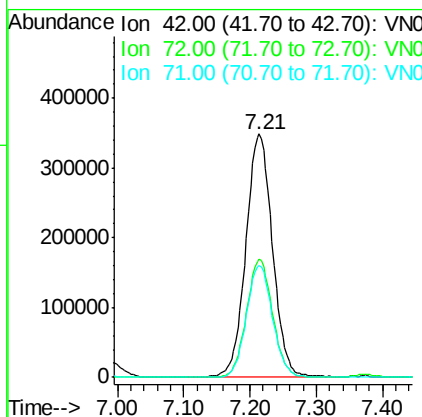
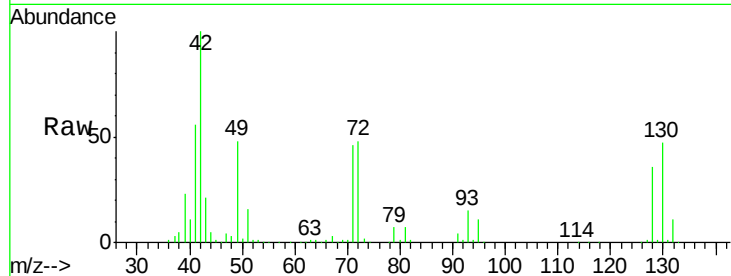
#29
Tetrahydrofuran
Concen: 630.25 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.6	56.4
71	45.1	35.4	53.2

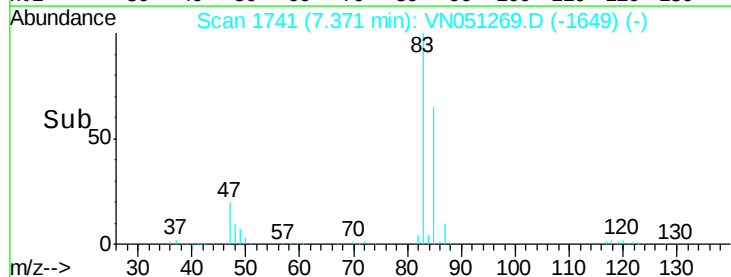
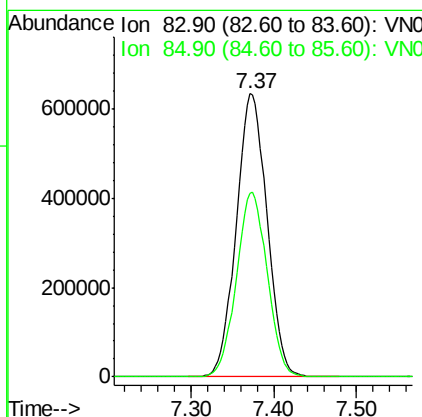
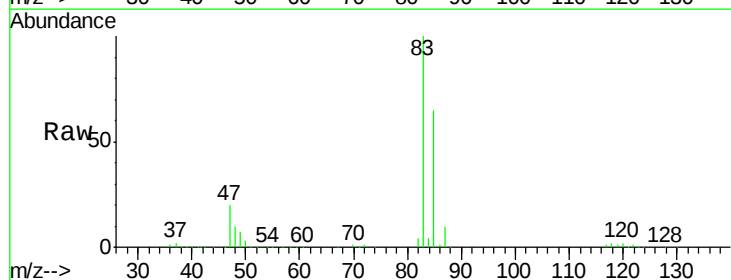
Manual Integrations
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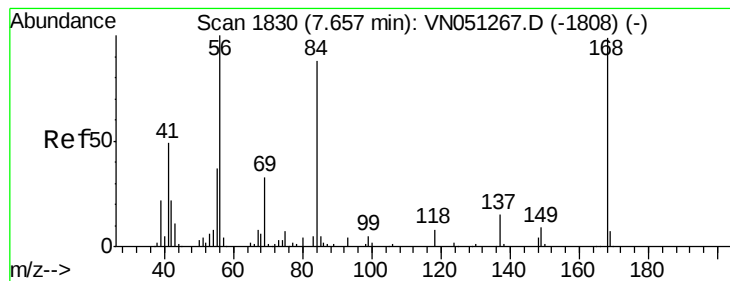
MMDadoda
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#30
Chloroform
Concen: 139.72 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6





#31

Cyclohexane

Concen: 126.94 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1509115

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

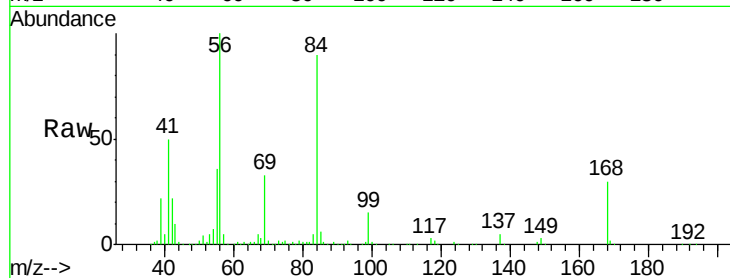
84 88.9 70.6 106.0

Manual Integrations

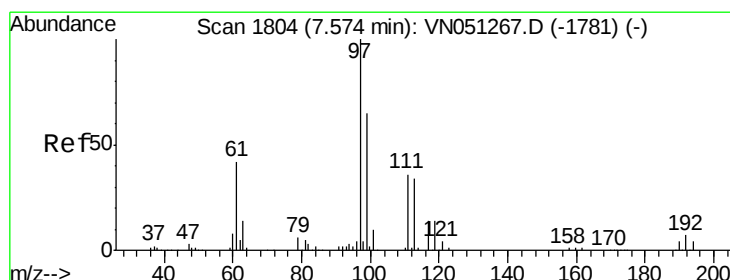
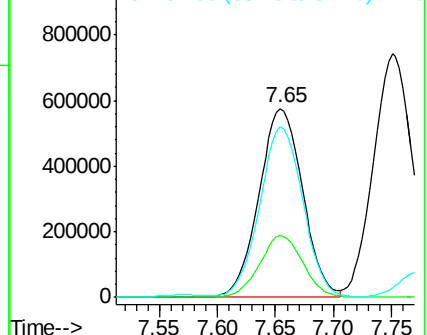
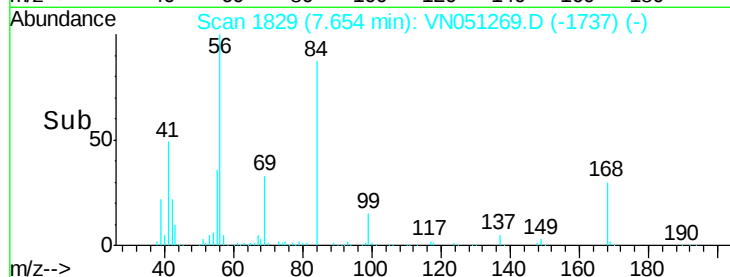
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Abundance Ion 56.00 (55.70 to 56.70): VN051269.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 144.87 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

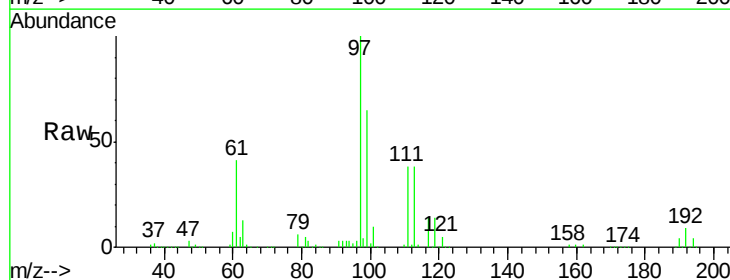
Tgt Ion: 97 Resp: 1453927

Ion Ratio Lower Upper

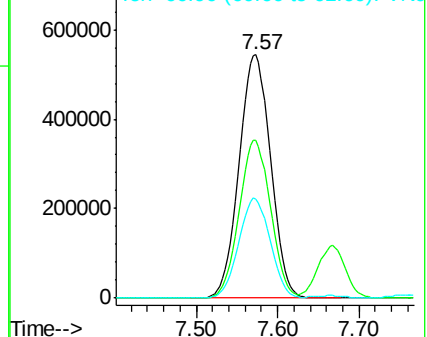
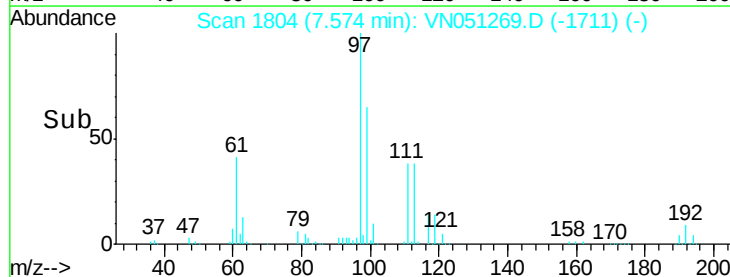
97 100

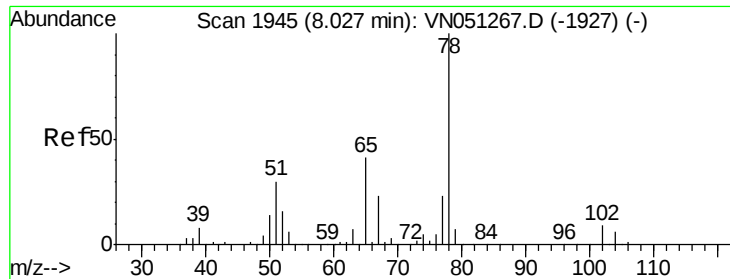
99 64.6 51.6 77.4

61 41.0 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VN051269.D (-1711) (-)





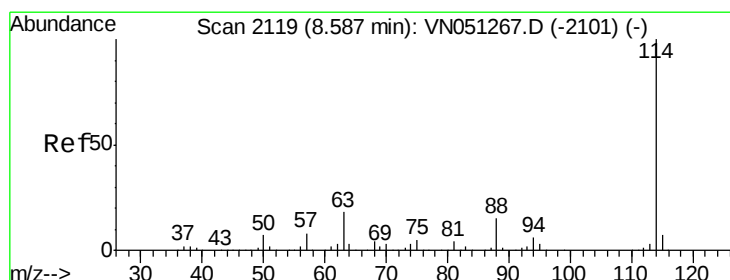
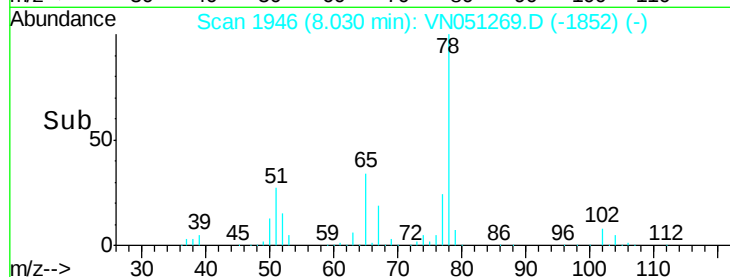
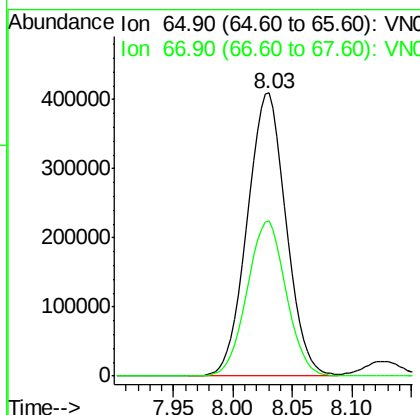
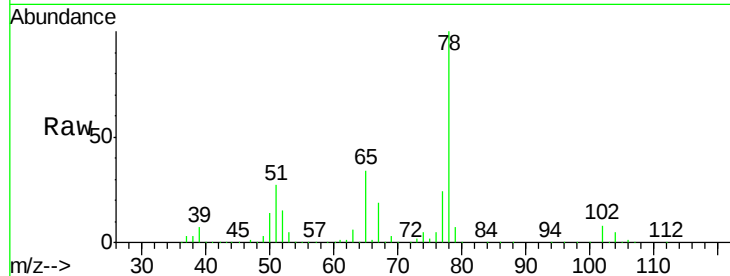
#33
 1,2-Dichloroethane-d4
 Concen: 145.73 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	928112		
67	55.1	0.0	111.0	

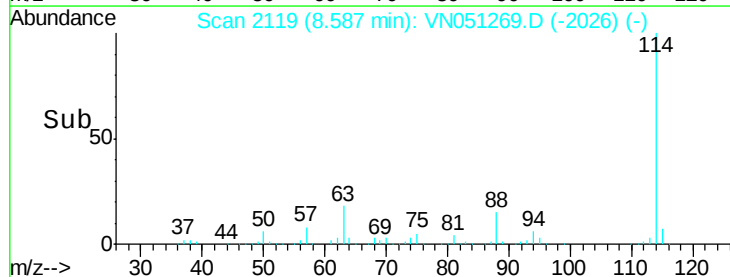
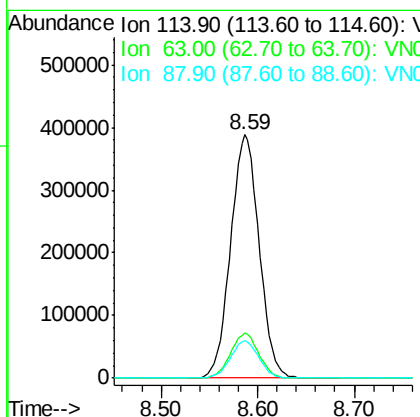
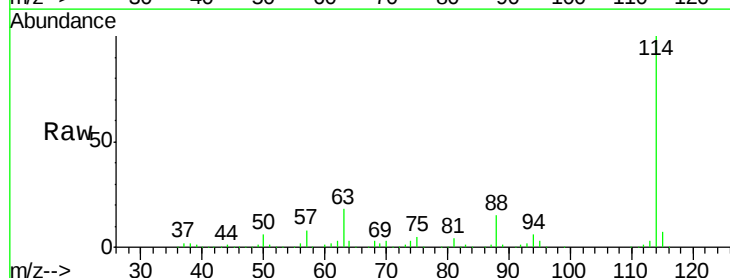
Manual Integrations
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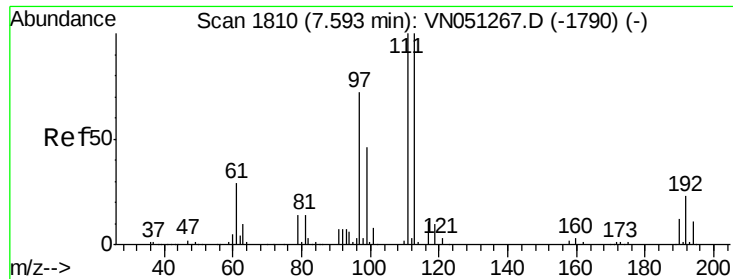
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	794147		
63	18.4	0.0	36.8	
88	15.4	0.0	30.8	





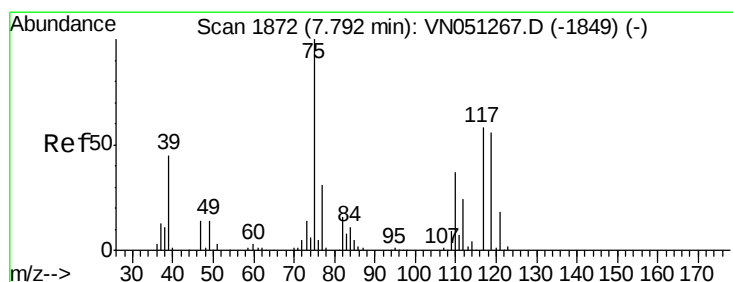
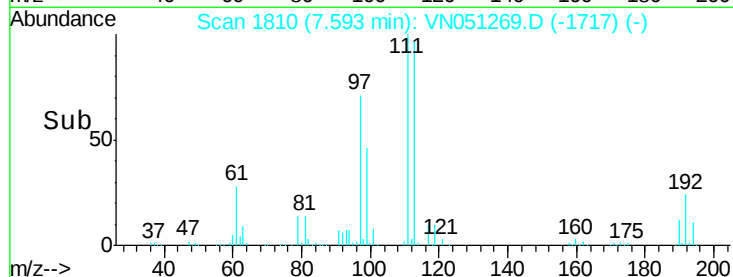
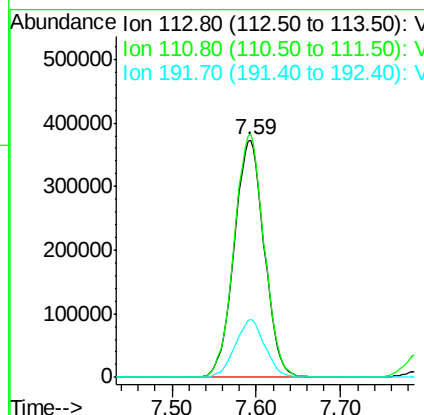
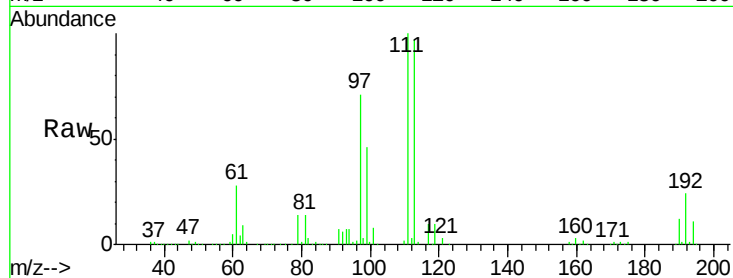
#35
 Dibromofluoromethane
 Concen: 154.03 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	82.2	123.4	
192	24.0	19.0	28.6	

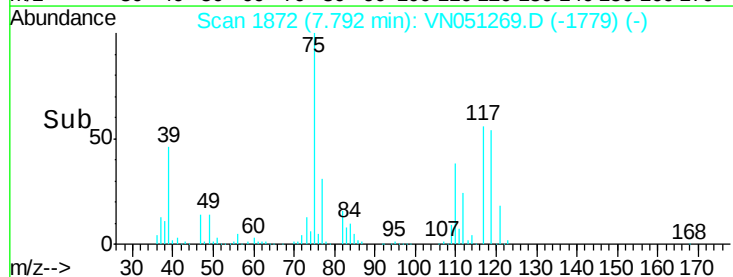
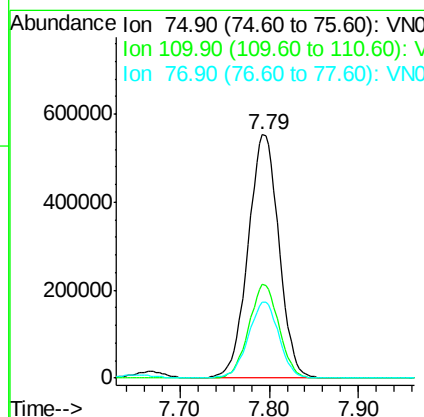
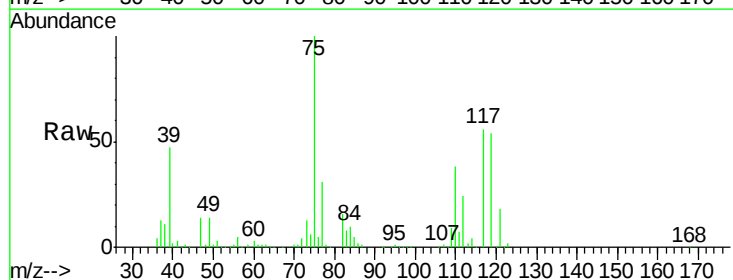
Manual Integrations
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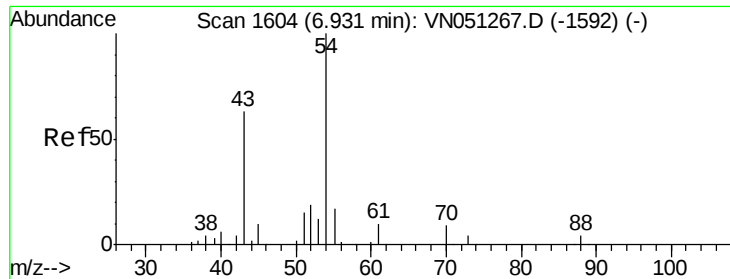
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#36
 1,1-Dichloropropene
 Concen: 150.17 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.8	18.6	56.0	
77	31.2	24.7	37.1	





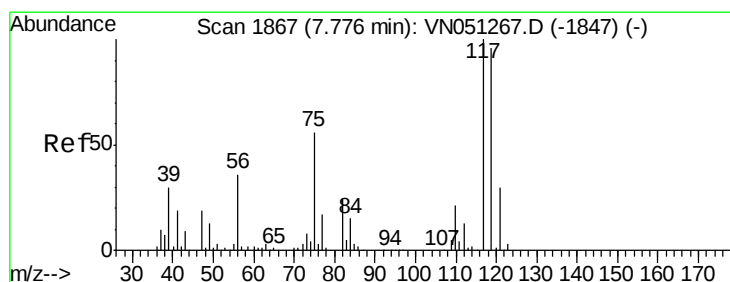
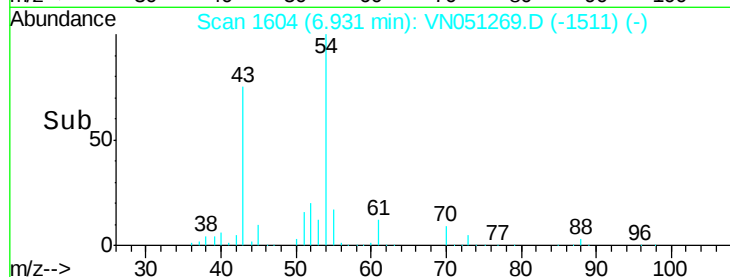
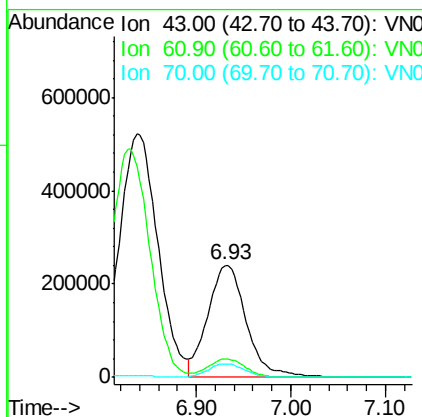
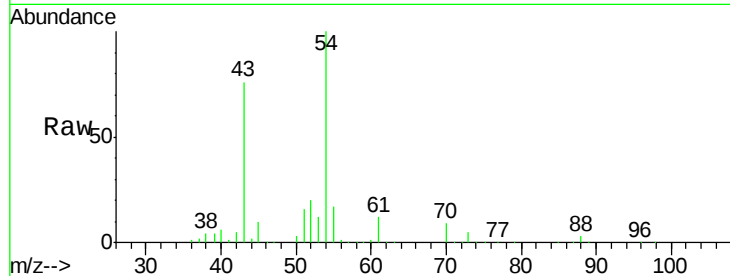
#37
Ethyl Acetate
Concen: 134.51 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	15.5	11.9
Lower		12.3	9.4
Upper		18.5	14.0

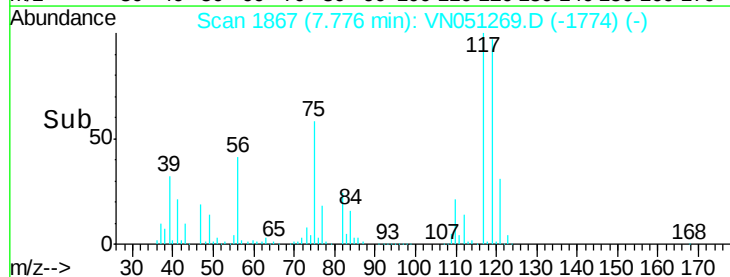
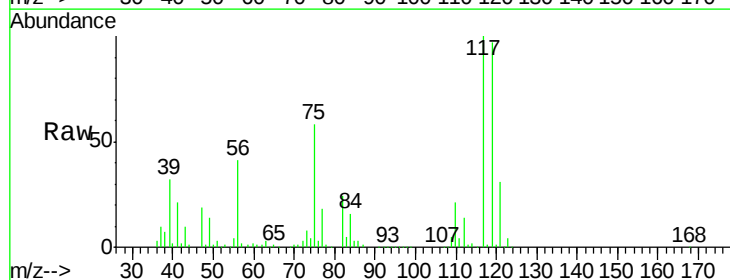
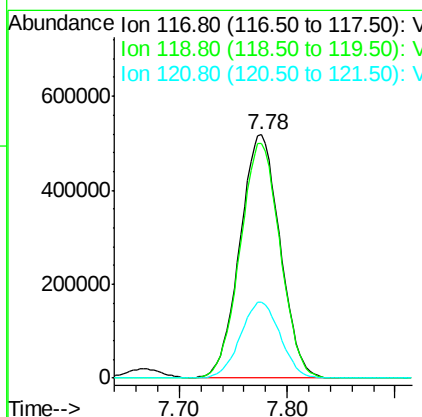
Manual Integrations
APPROVED

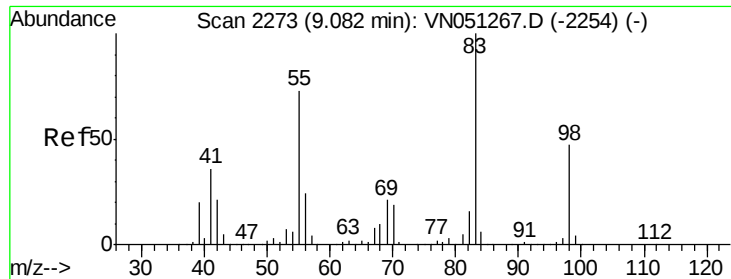
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#38
Carbon Tetrachloride
Concen: 152.75 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	96.6	31.3
Lower		76.8	24.2
Upper		115.2	36.2





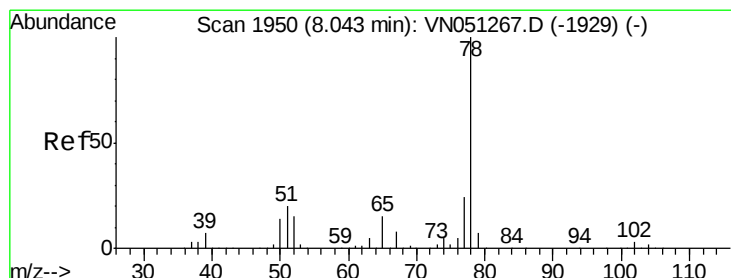
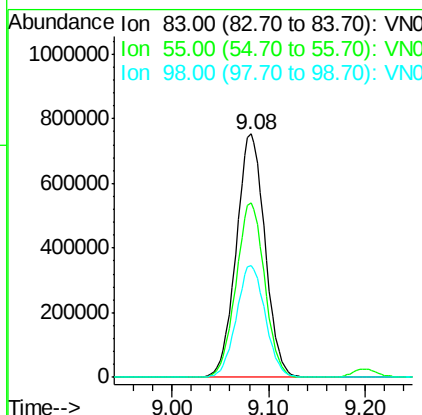
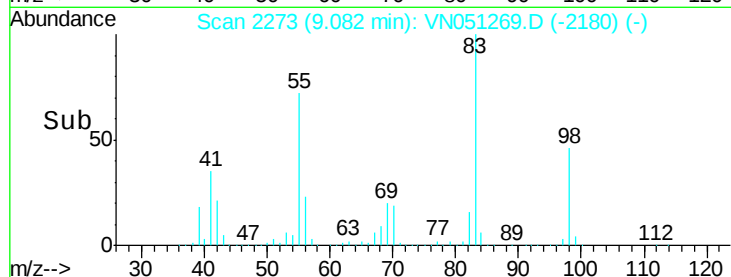
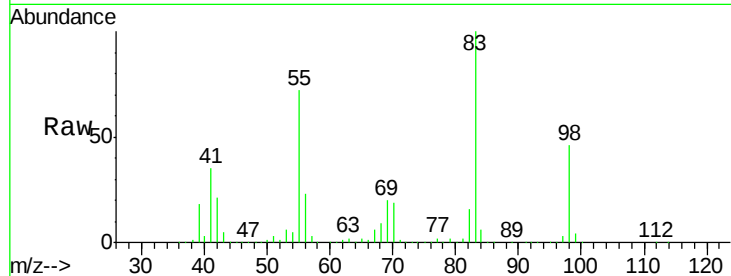
#39
Methvlcvclohexane
Concen: 159.89 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1548729
Ion Ratio Lower Upper
83 100
55 71.7 58.7 88.1
98 45.8 37.3 55.9

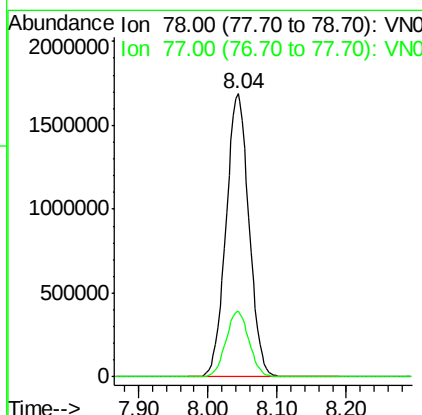
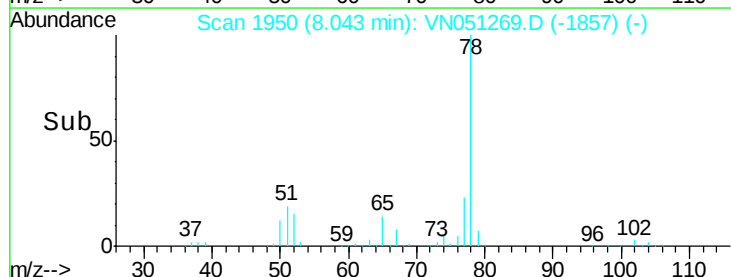
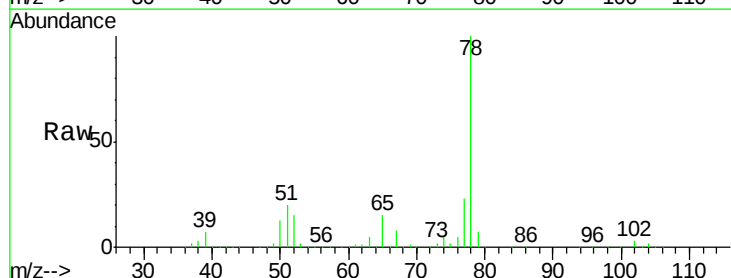
Manual Integrations
APPROVED

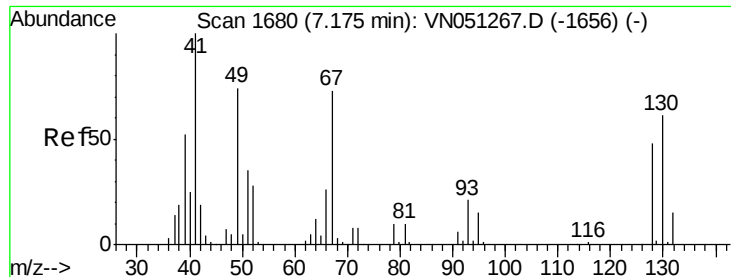
MMDadoda
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#40
Benzene
Concen: 147.79 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion: 78 Resp: 3910470
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4





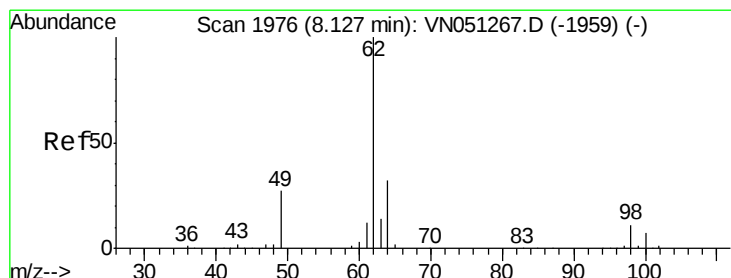
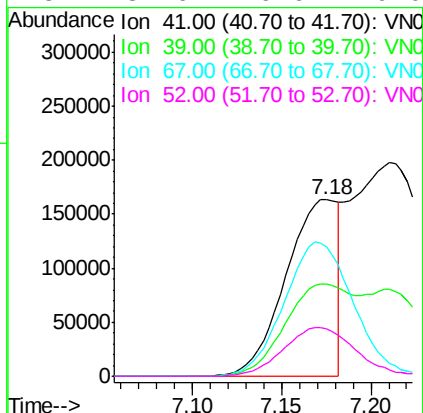
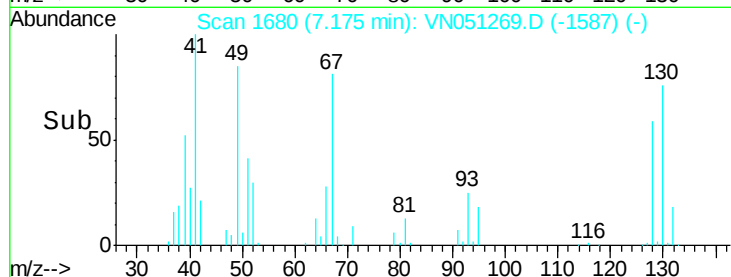
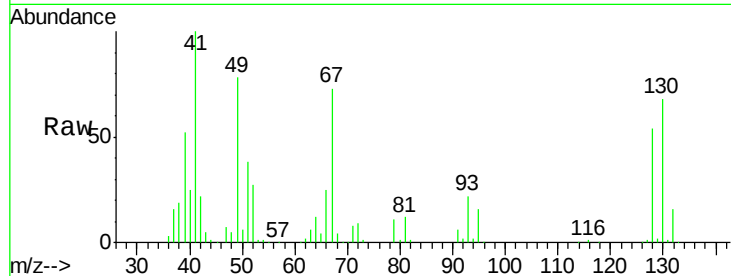
#41
Methacrylonitrile
Concen: 125.65 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.1	47.8	71.6	
67	101.7	69.8	104.6	
52	37.6	26.6	40.0	

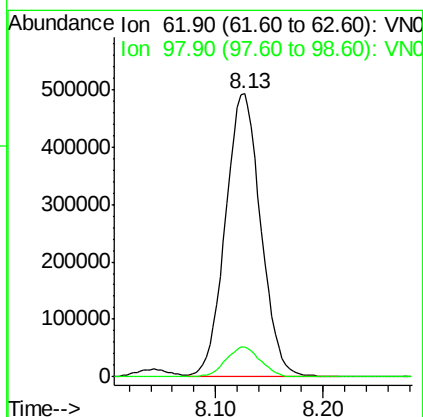
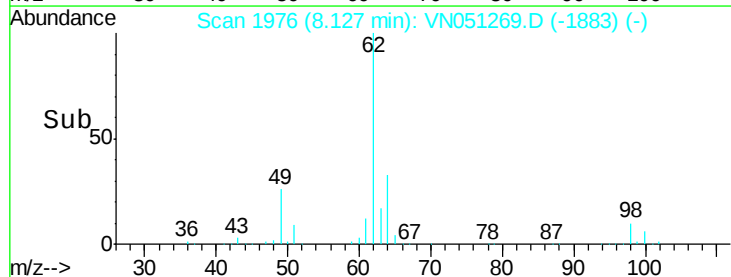
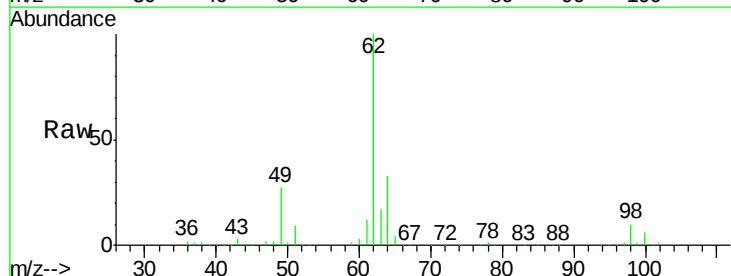
Manual Integrations
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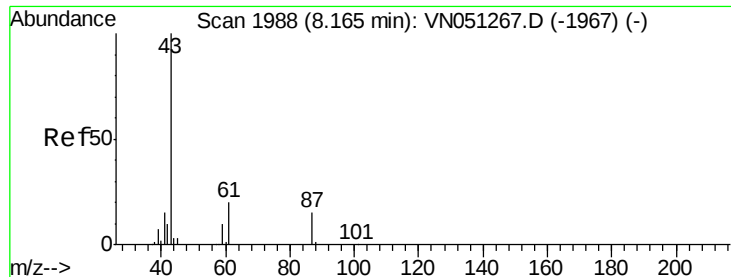
MMDadoda
9/19/2018 4:57:51 PM



#42
1,2-Dichloroethane
Concen: 145.22 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	21.0	





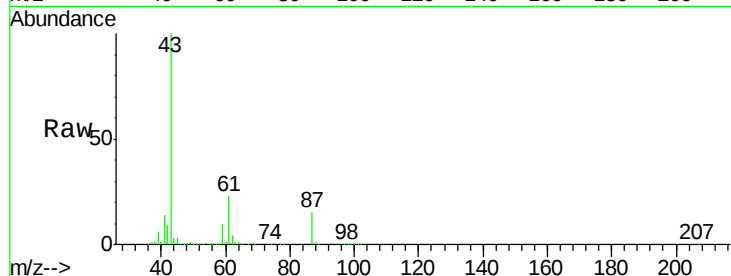
#43
Isopropyl Acetate
Concen: 138.57 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

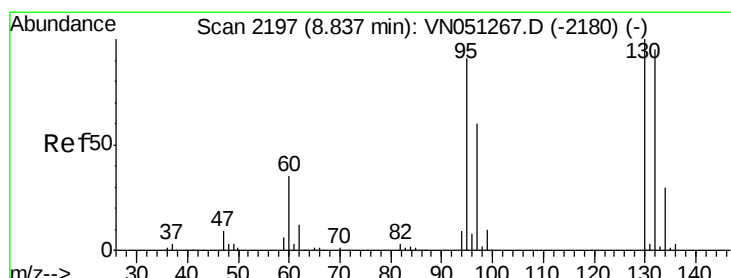
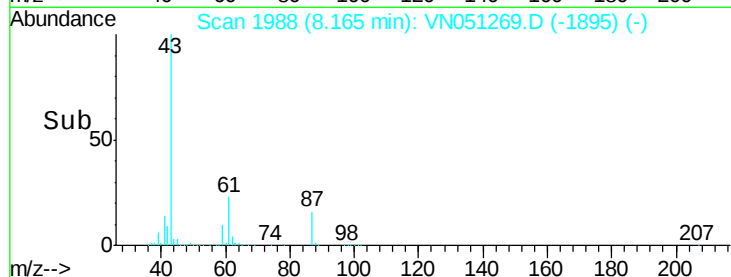
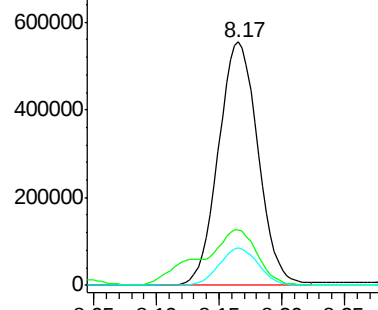
Tot Ion: 43 Resp: 1219233
Ion Ratio Lower Upper
43 100
61 22.8 17.4 26.2
87 15.3 12.2 18.4

Manual Integrations
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MMDadoda
9/19/2018 4:57:51 PM

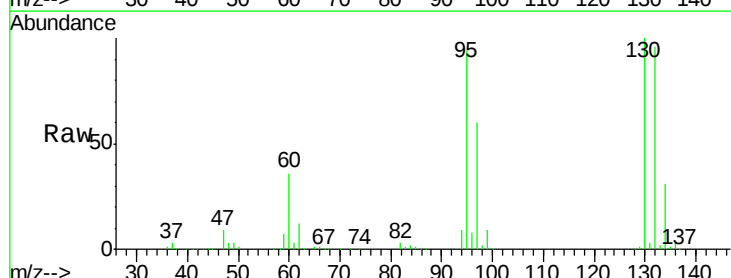


Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-1967) (-)
Ion 61.00 (60.70 to 61.70): VN051267.D (-1967) (-)
Ion 87.00 (86.70 to 87.70): VN051267.D (-1967) (-)

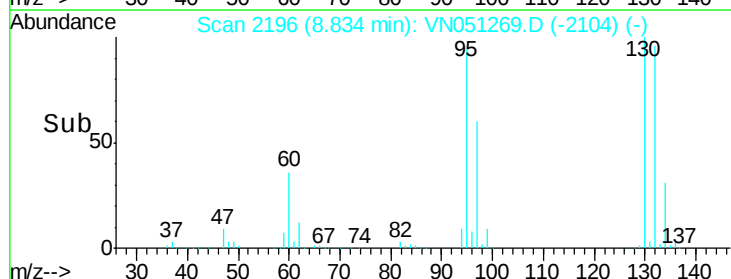
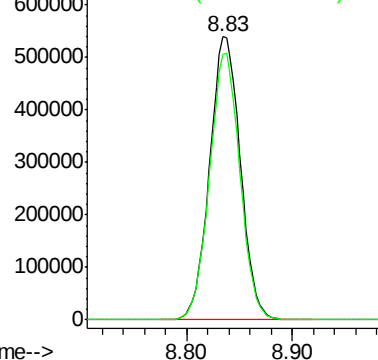


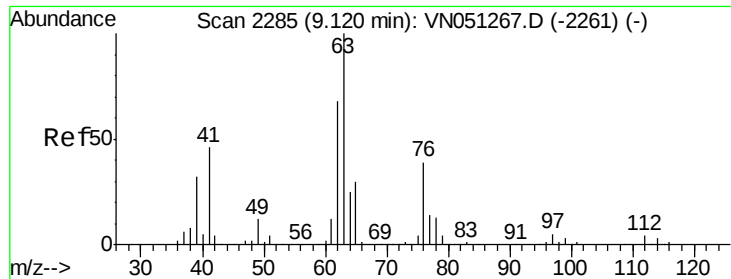
#44
Trichloroethene
Concen: 150.53 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion:130 Resp: 1092622
Ion Ratio Lower Upper
130 100
95 93.8 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN051267.D (-2180) (-)
Ion 94.90 (94.60 to 95.60): VN051267.D (-2180) (-)





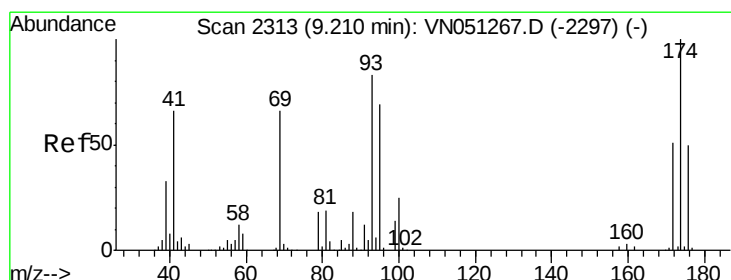
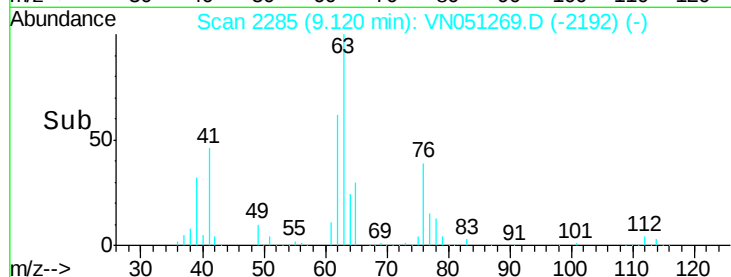
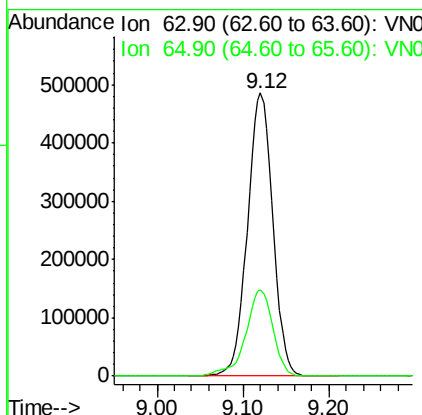
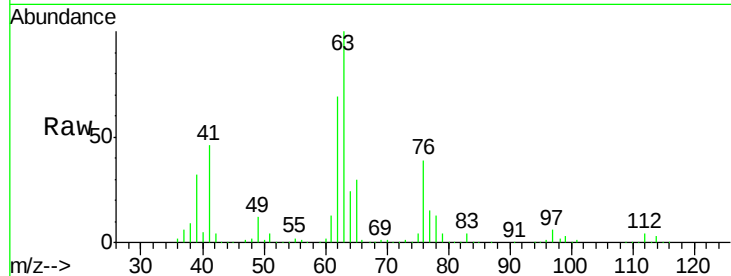
#45
 1,2-Dichloropropane
 Concen: 145.82 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.4

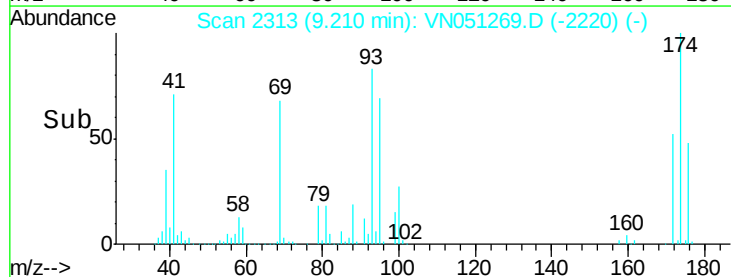
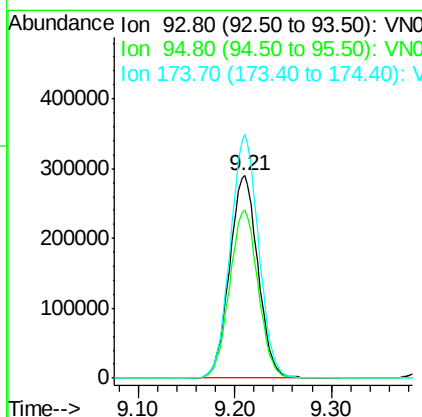
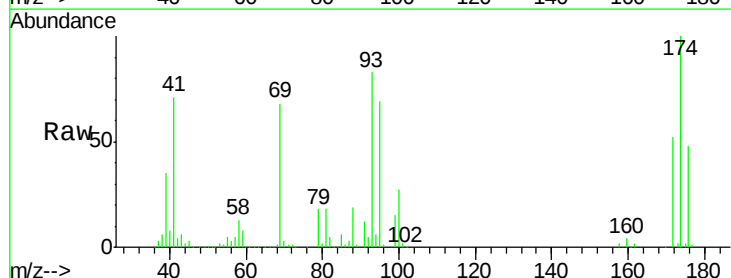
Manual Integrations
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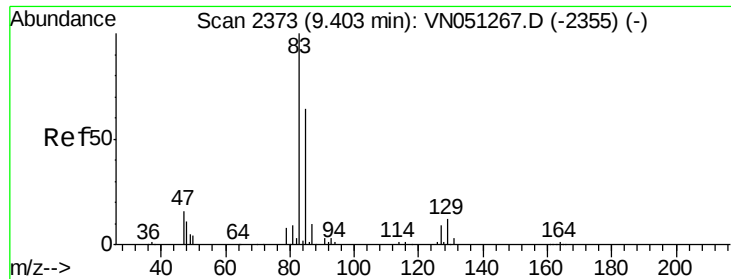
MMDadoda
 9/19/2018 4:57:51 PM



#46
 Dibromomethane
 Concen: 141.85 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	100.0
174	119.3	95.6	143.4





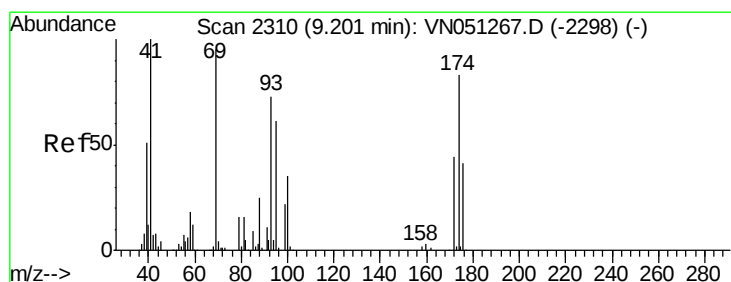
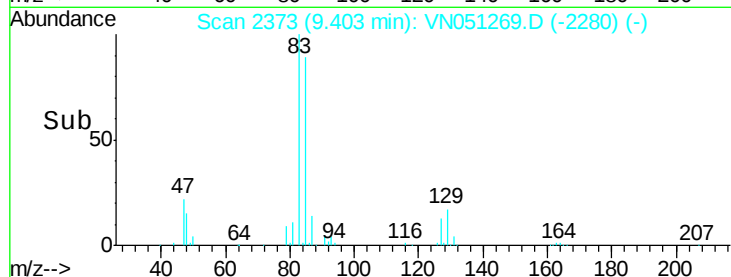
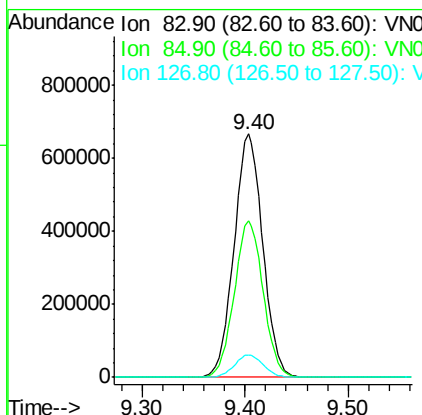
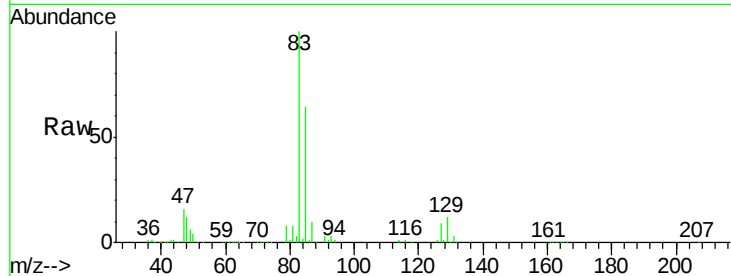
#47
Bromodichloromethane
Concen: 151.76 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4
127	9.3	7.1	10.7

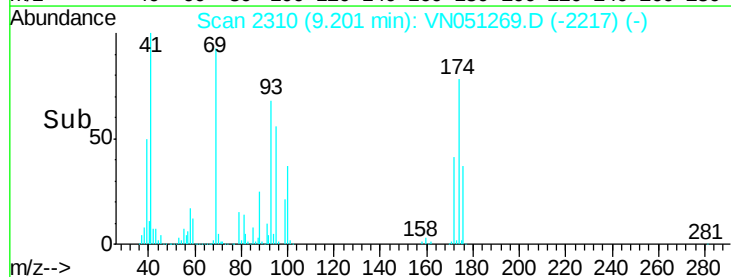
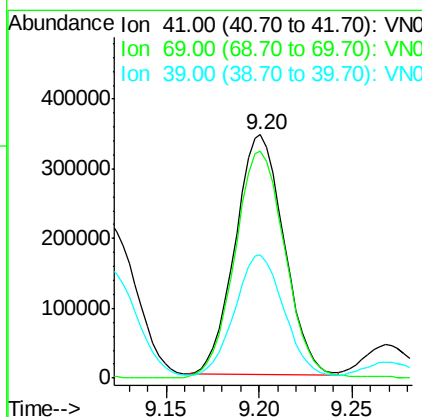
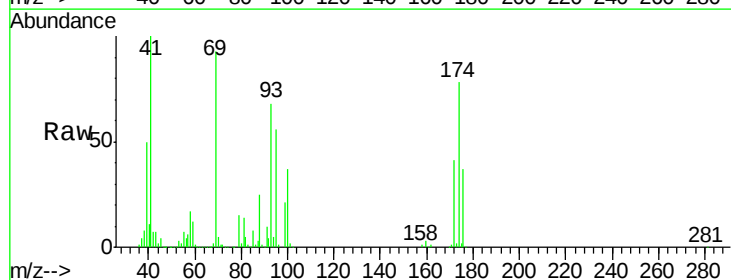
Manual Integrations
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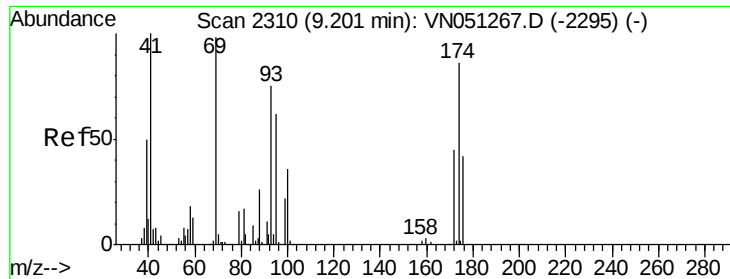
MMDadoda
9/19/2018 4:57:51 PM



#48
Methyl methacrylate
Concen: 146.93 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.8	78.9	118.3
39	52.1	42.2	63.2





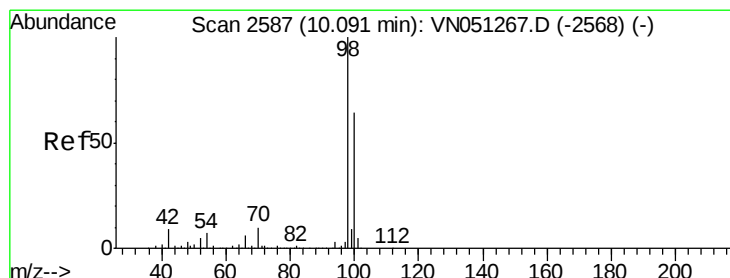
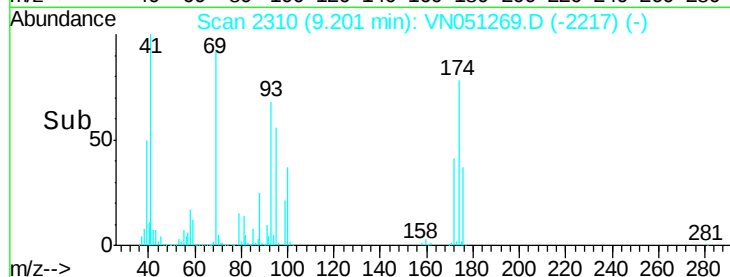
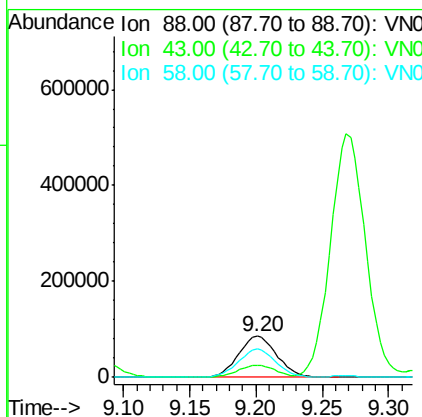
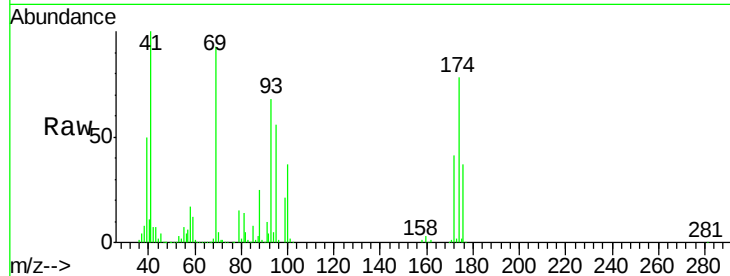
#49
1,4-Dioxane
Concen: 2588.87 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	173340
Ion	Ratio	Lower	Upper
88	100		
43	29.2	25.3	37.9
58	66.8	54.9	82.3

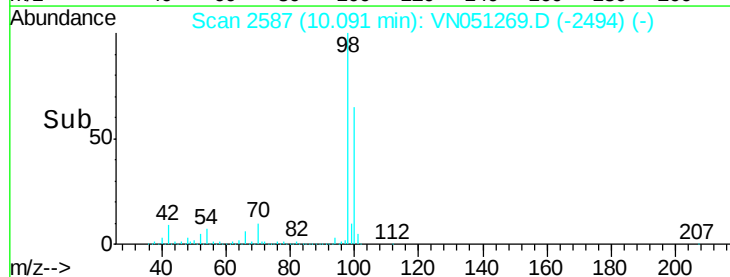
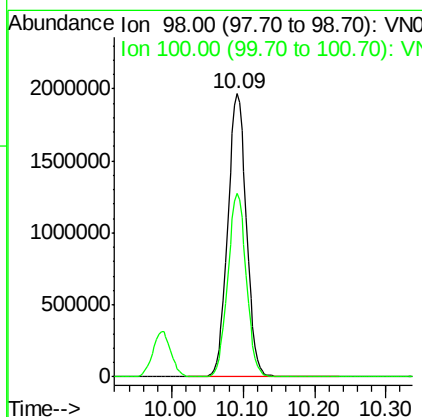
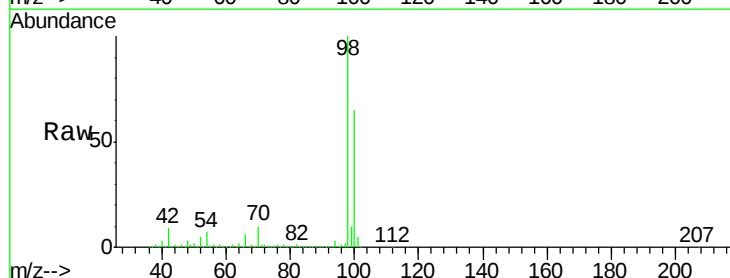
Manual Integrations
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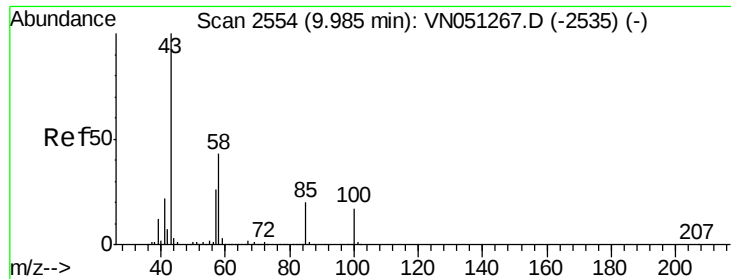
MMDadoda
9/19/2018 4:57:51 PM



#50
Toluene-d8
Concen: 156.75 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion	98	Resp	3566945
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





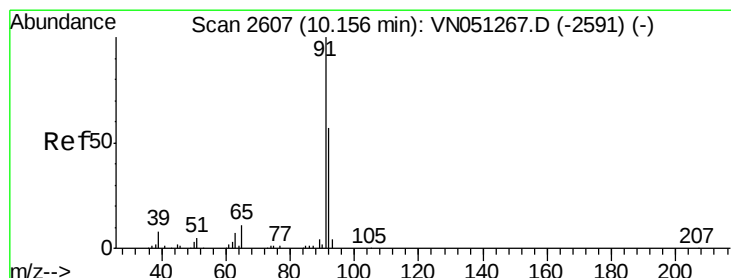
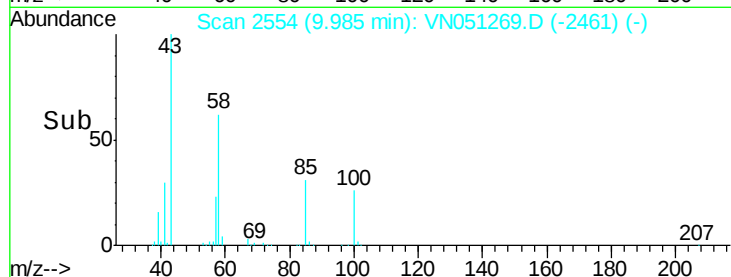
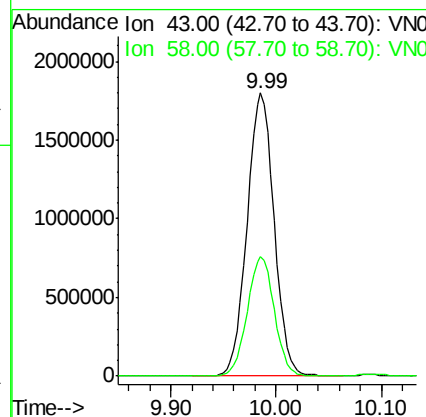
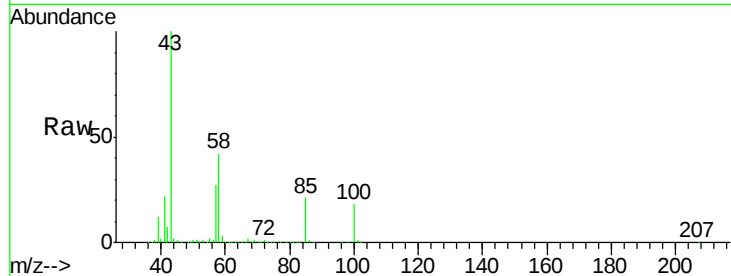
#51
 4-Methyl-2-Pentanone
 Concen: 660.19 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3207987
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.8 50.6

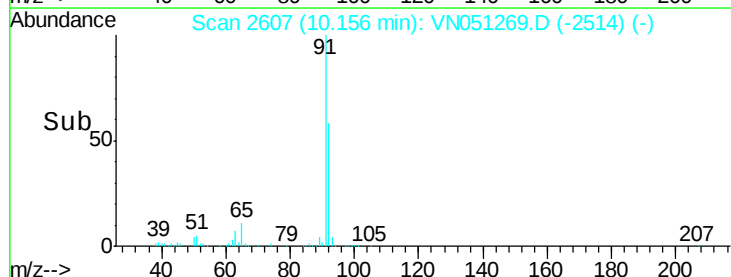
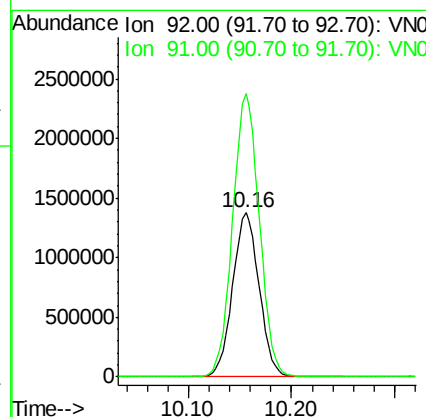
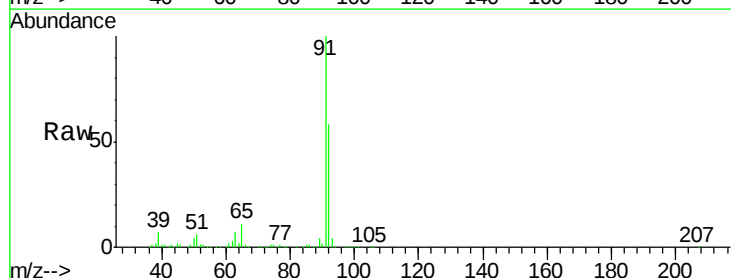
Manual Integrations
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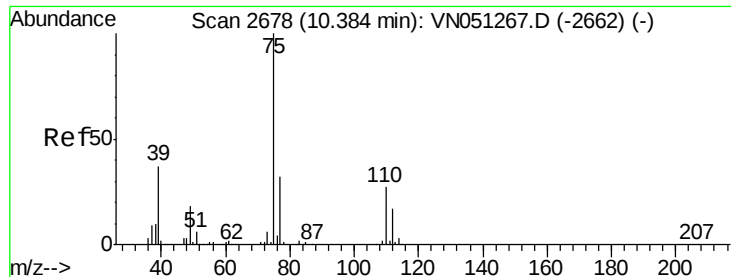
MMDadoda
 9/19/2018 4:57:51 PM



#52
 Toluene
 Concen: 153.06 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion: 92 Resp: 2468121
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 159.38 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 1347601

Ion Ratio Lower Upper

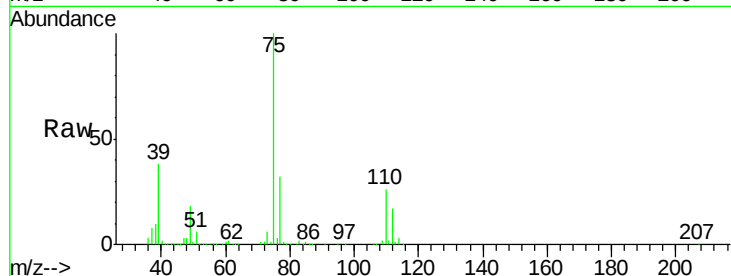
75 100

77 31.6 25.5 38.3

Manual Integrations
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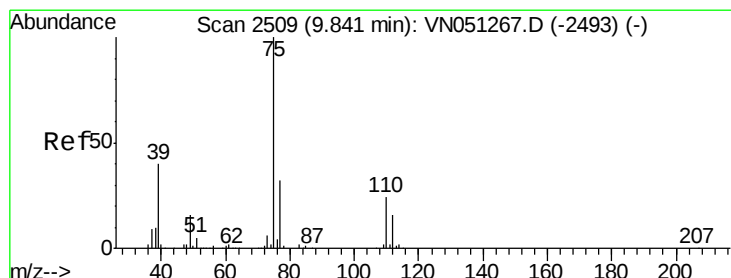
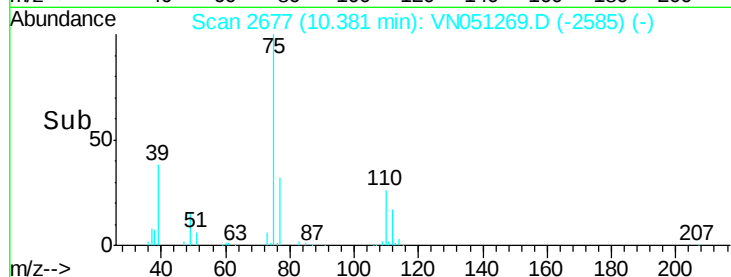
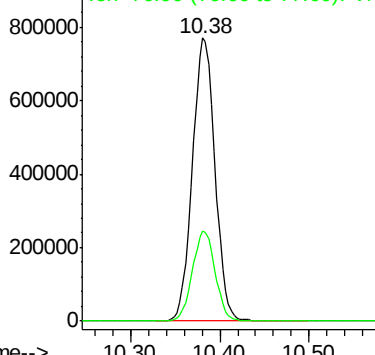
MMDadoda

9/19/2018 4:57:51 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 156.43 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

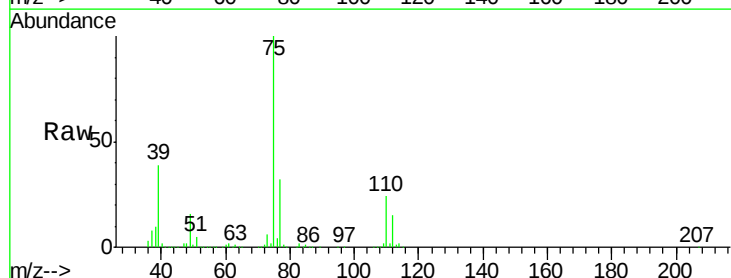
Tgt Ion: 75 Resp: 1555418

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

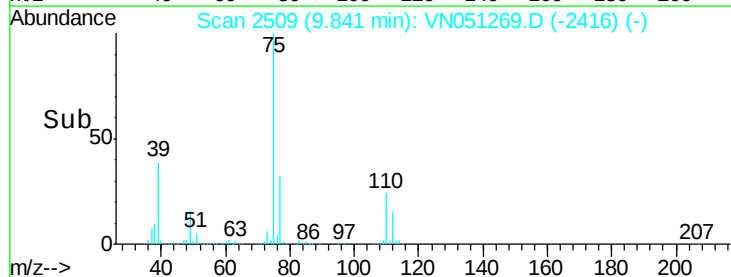
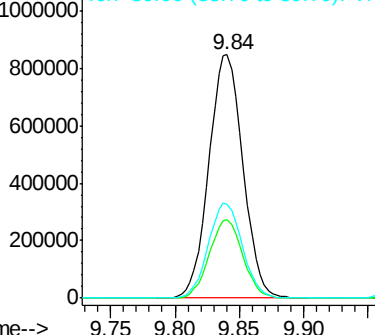
39 38.5 31.8 47.8

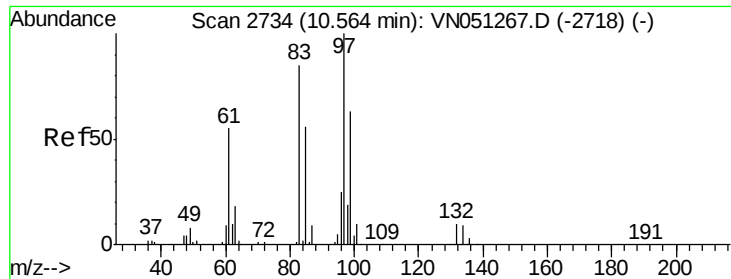


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





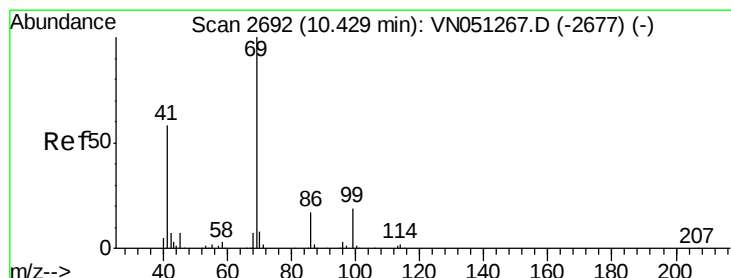
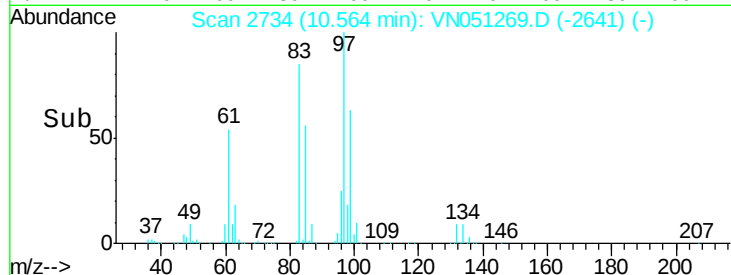
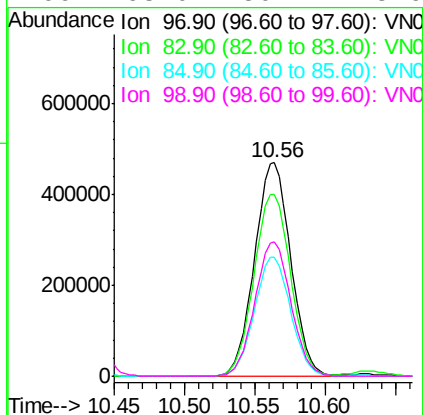
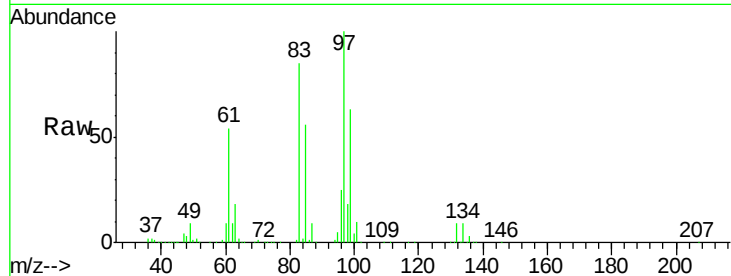
#55
 1,1,2-Trichloroethane
 Concen: 144.73 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.7	101.5
85	55.7	44.5	66.7
99	63.0	50.4	75.6

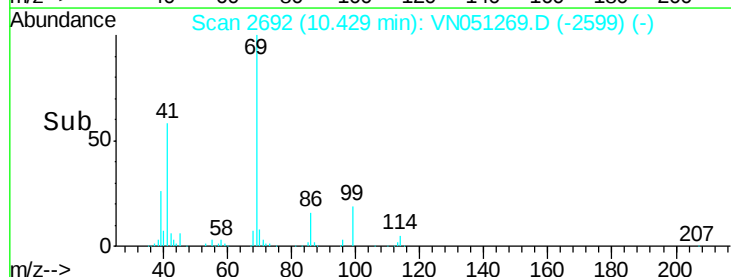
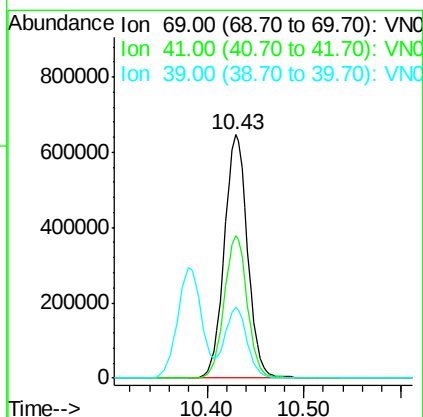
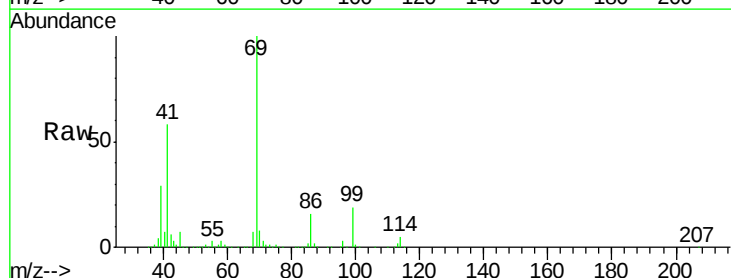
Manual Integrations
 APPROVED

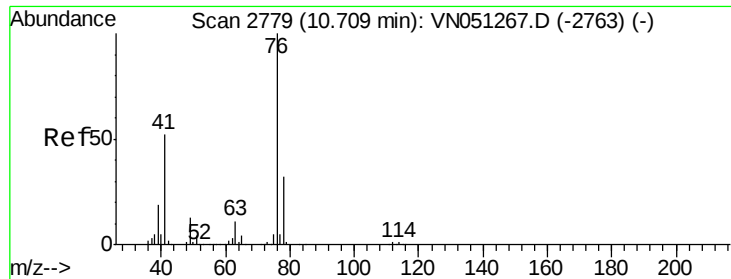
MMDadoda
 9/19/2018 4:57:51 PM



#56
 Ethyl methacrylate
 Concen: 155.73 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.6	47.4	71.0
39	28.4	23.7	35.5





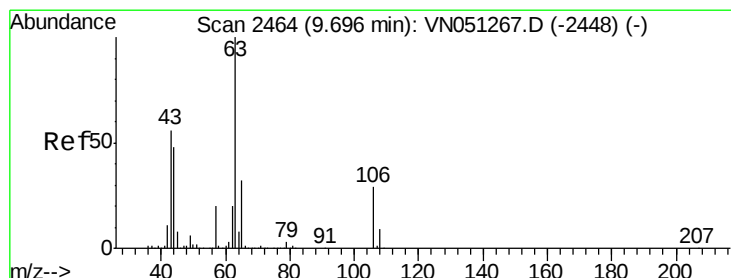
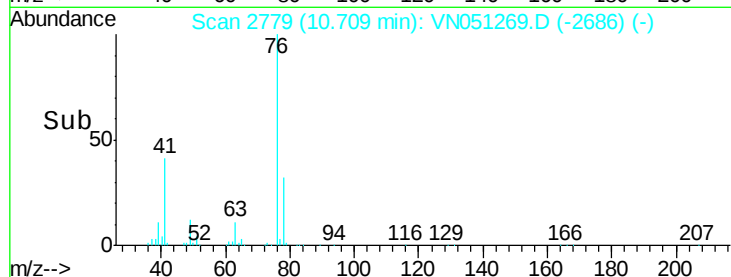
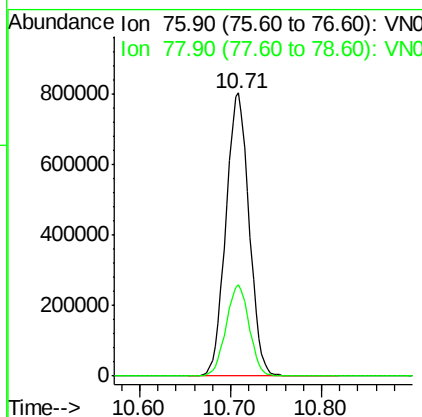
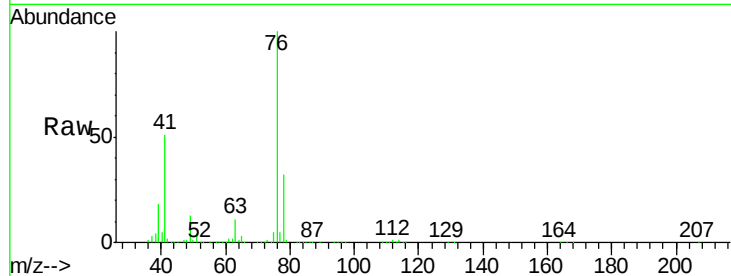
#57
 1,3-Dichloropropane
 Concen: 147.02 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 76 Resp: 1420468
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

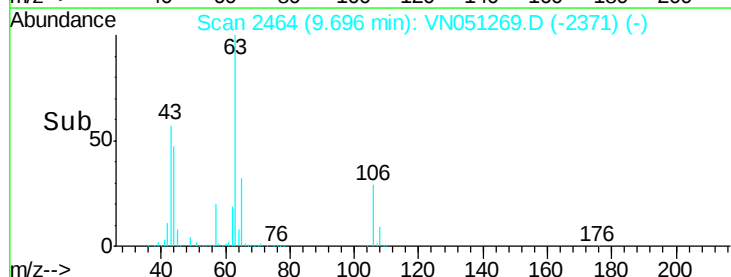
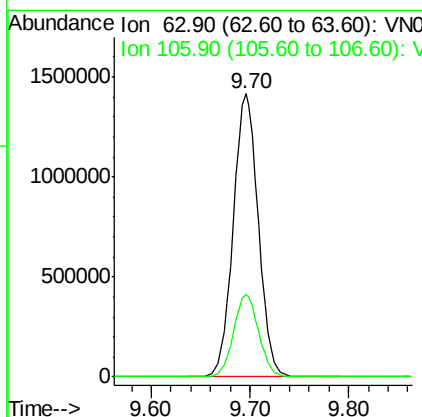
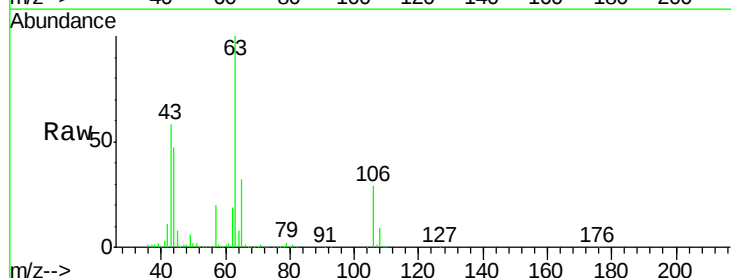
Manual Integrations
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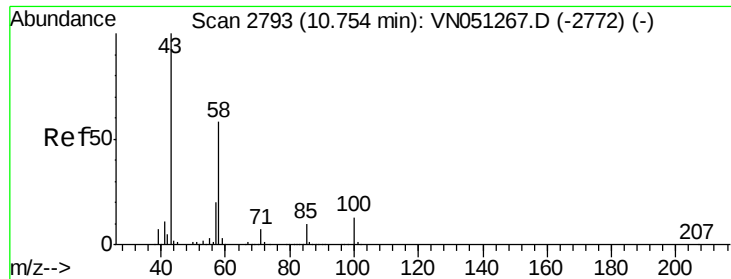
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 870.02 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion: 63 Resp: 2495065
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.4 35.2





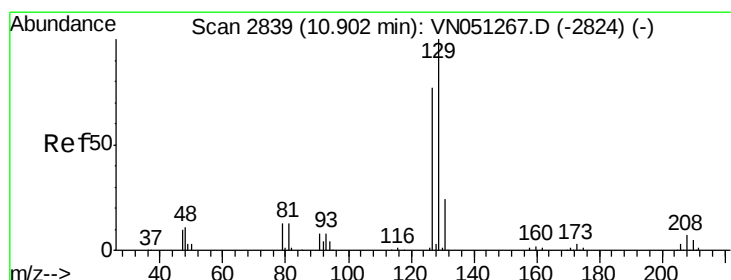
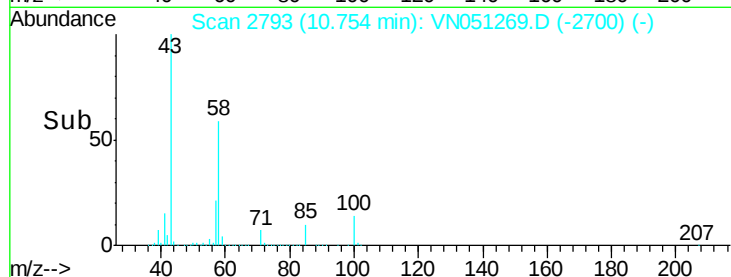
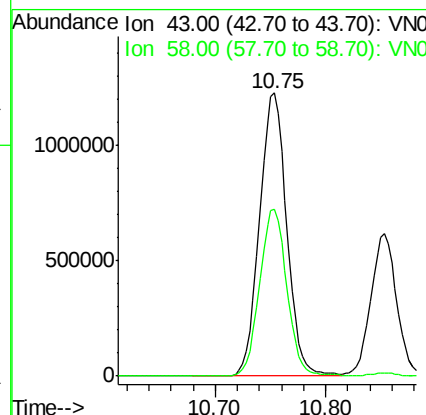
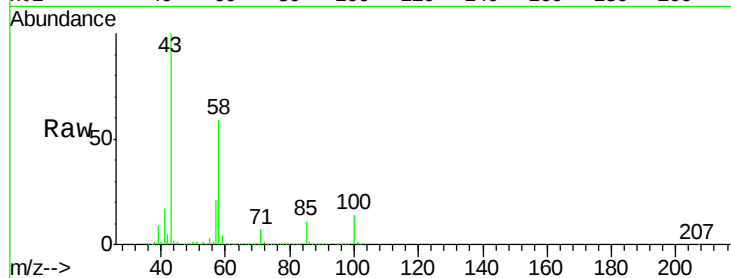
#59
2-Hexanone
Concen: 640.43 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2100662
Ion Ratio Lower Upper
43 100
58 59.2 28.9 86.8

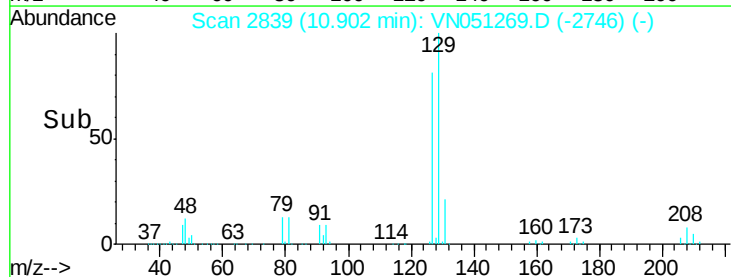
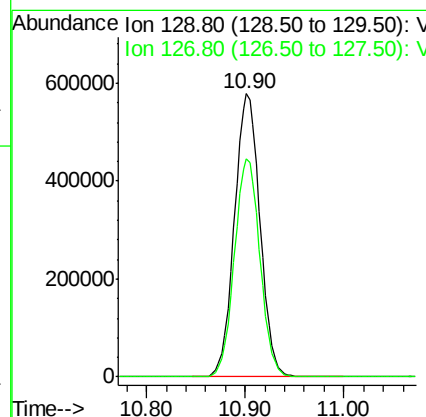
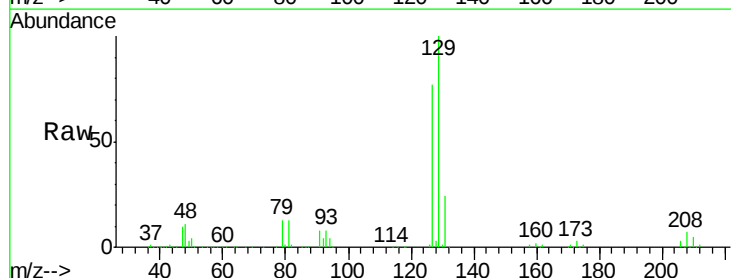
Manual Integrations
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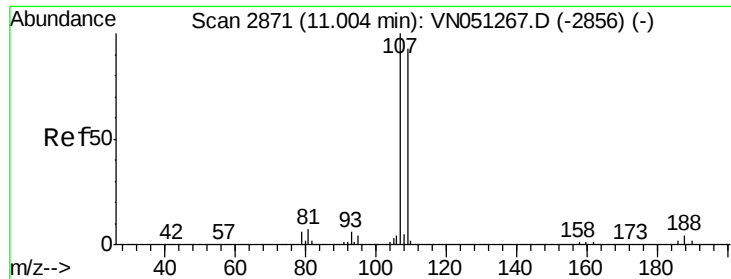
MMDadoda
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#60
Dibromochloromethane
Concen: 156.05 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion: 129 Resp: 1036001
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





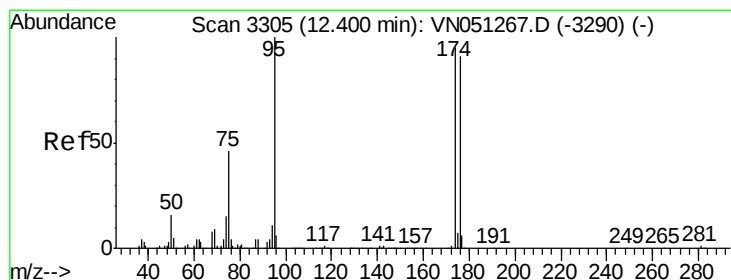
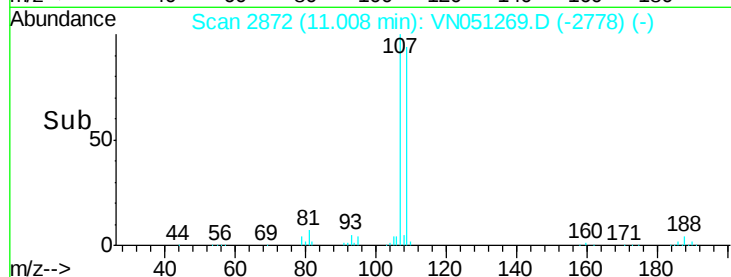
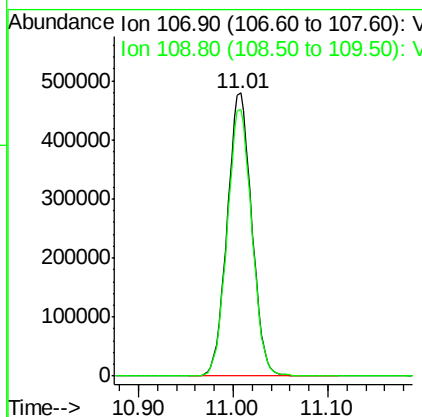
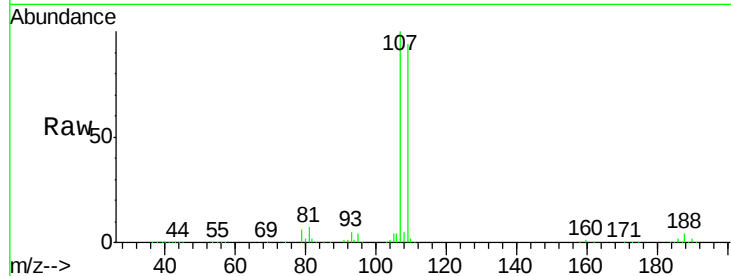
#61
 1,2-Dibromoethane
 Concen: 150.54 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 107 Resp: 860870
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.7 112.1

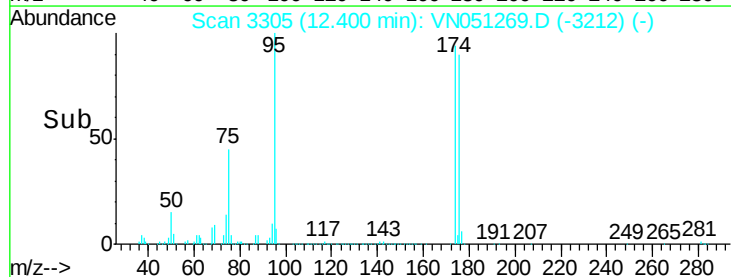
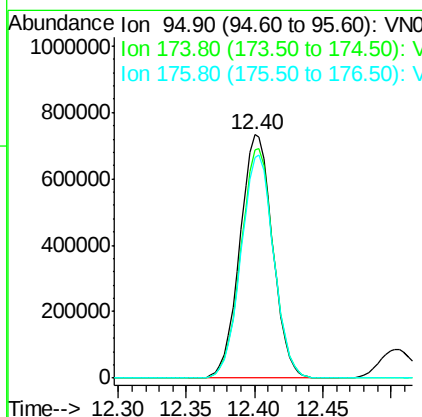
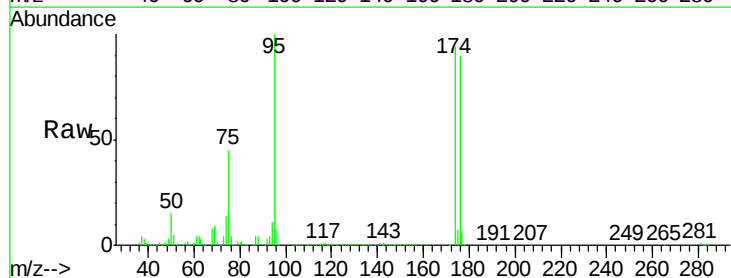
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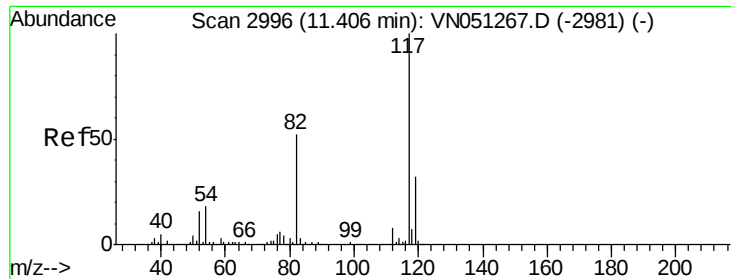
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#62
 4-Bromofluorobenzene
 Concen: 162.90 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion: 95 Resp: 1219905
 Ion Ratio Lower Upper
 95 100
 174 94.1 0.0 189.6
 176 91.7 0.0 182.6





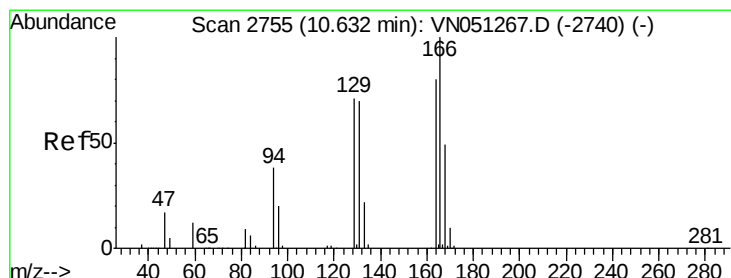
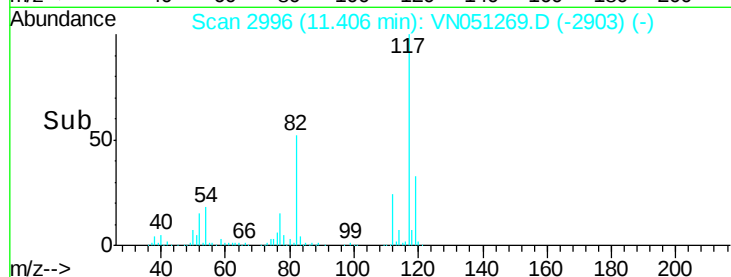
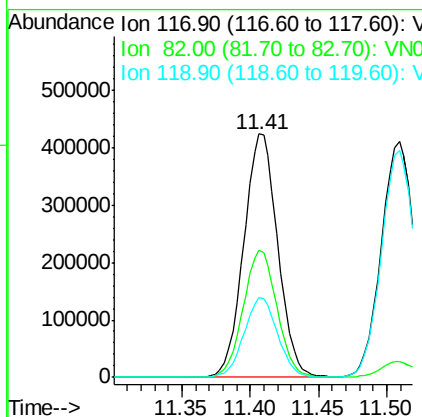
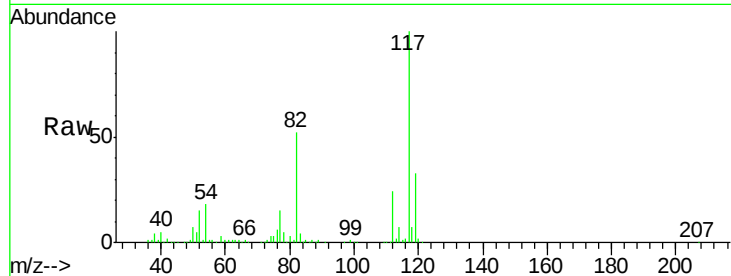
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.8
119	32.6	25.6	38.4

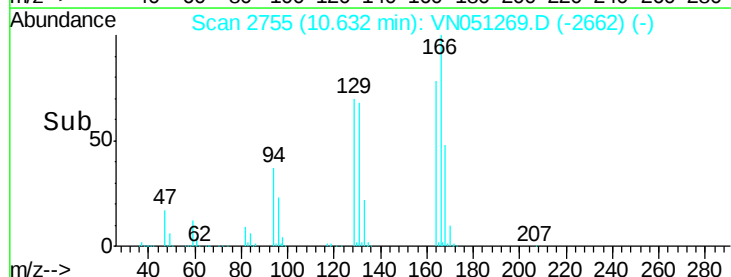
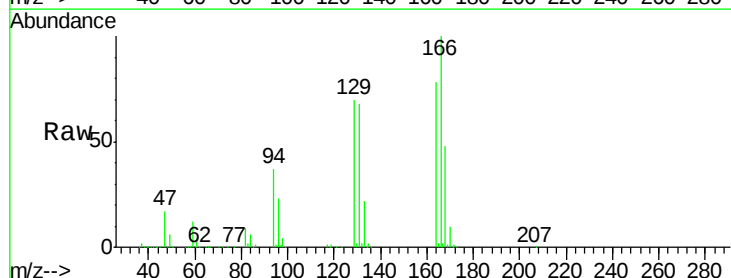
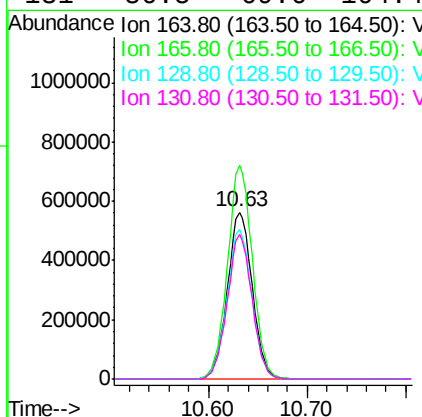
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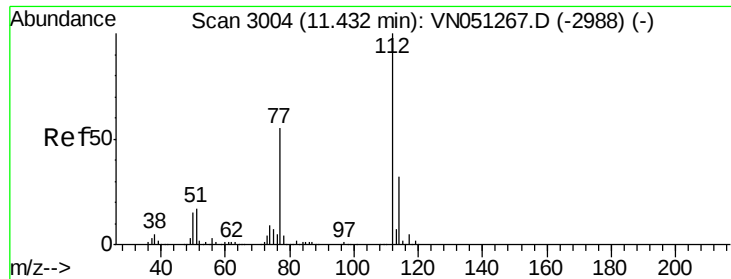
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#64
Tetrachloroethene
Concen: 145.59 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.0	150.0
129	89.7	70.8	106.2
131	86.5	69.6	104.4





#65

Chlorobenzene

Concen: 149.13 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2778565

Ion Ratio Lower Upper

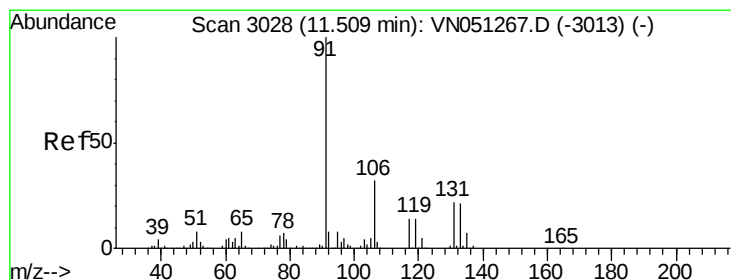
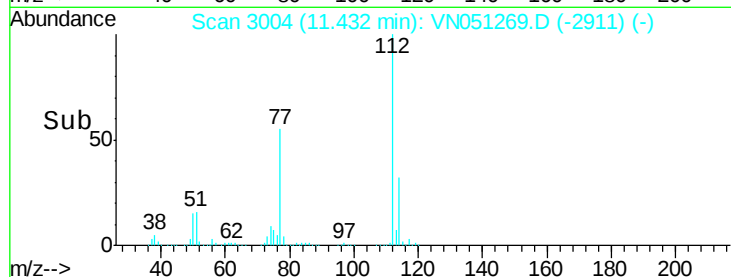
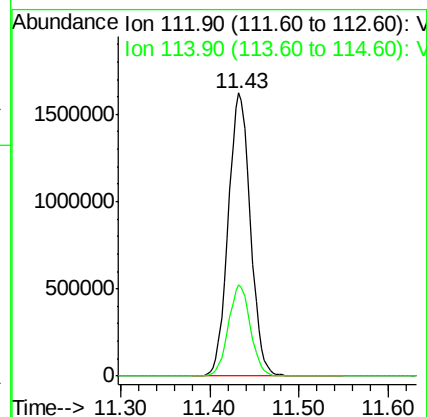
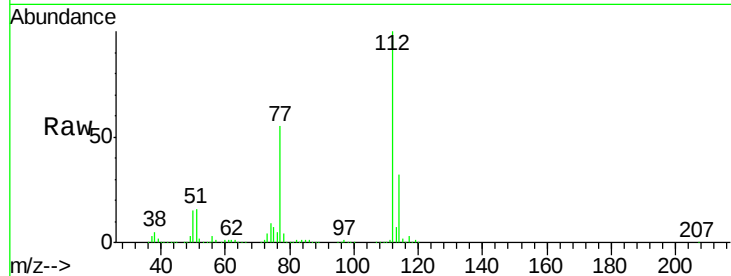
112 100

114 32.2 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 152.61 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

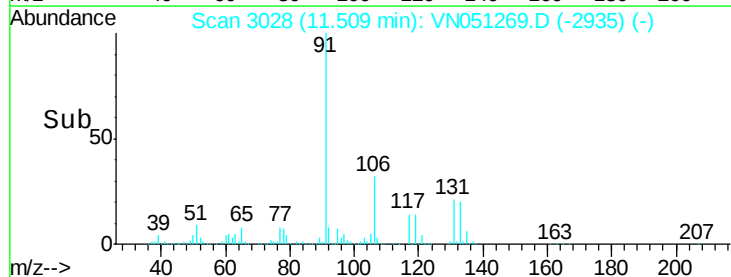
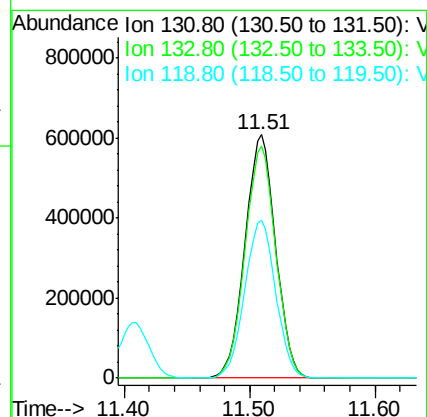
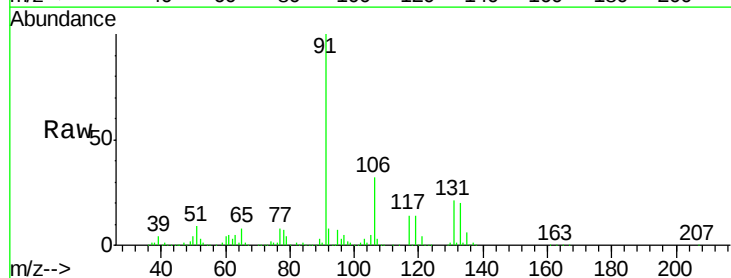
Tgt Ion:131 Resp: 1030334

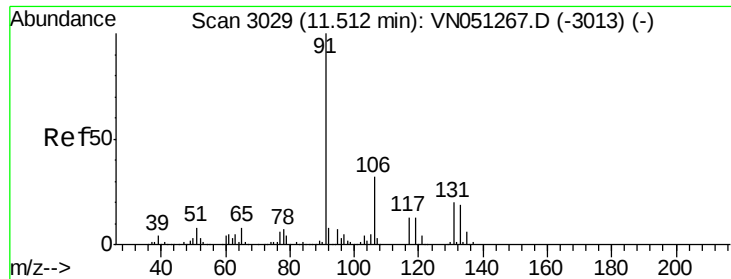
Ion Ratio Lower Upper

131 100

133 96.0 47.9 143.7

119 65.7 32.6 98.0





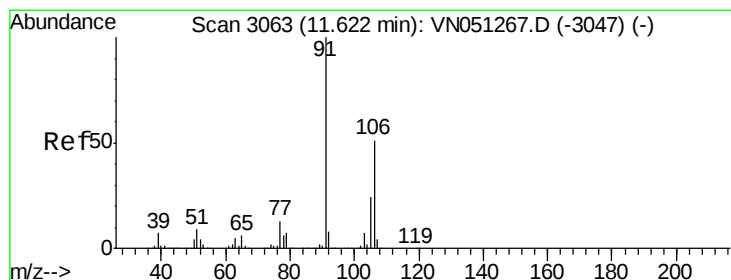
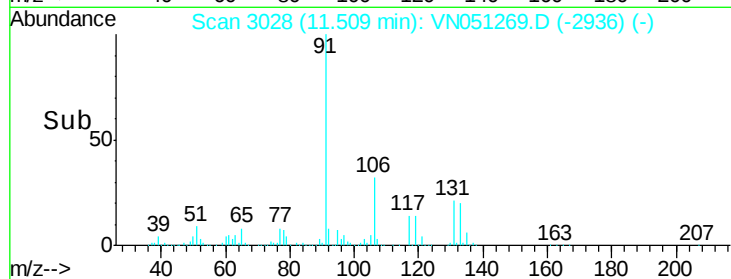
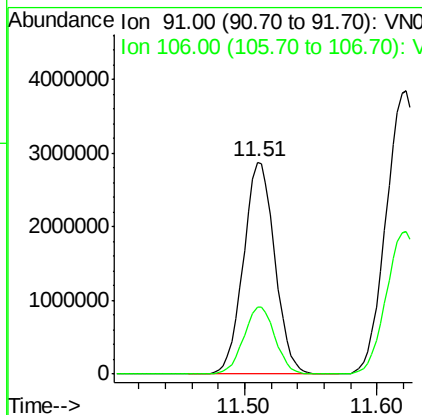
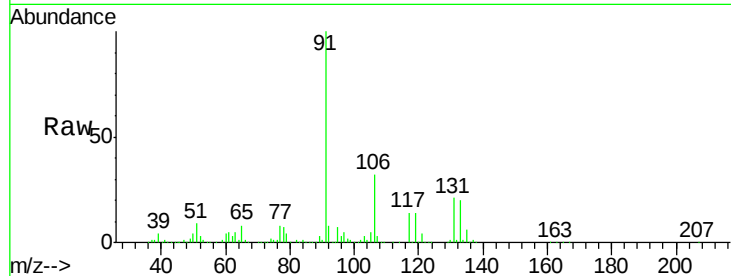
#67
Ethyl Benzene
Concen: 156.58 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 4721110
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

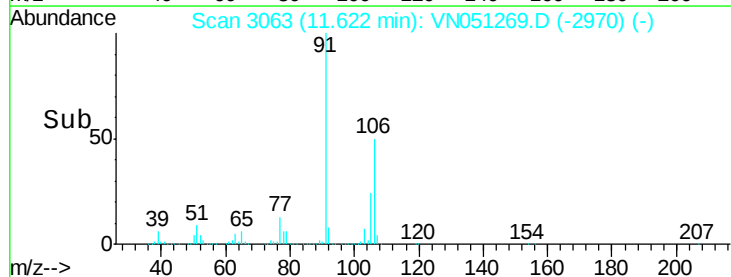
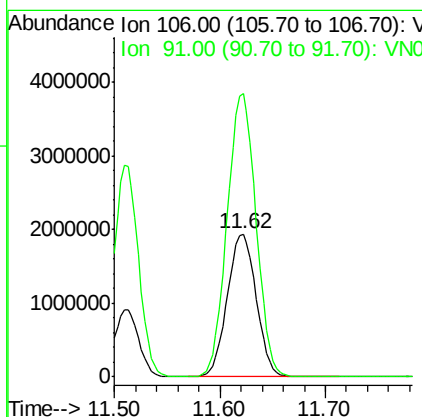
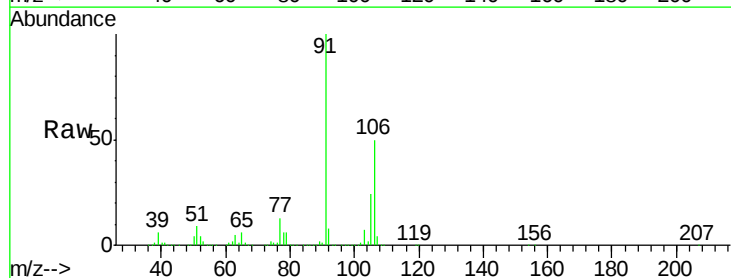
Manual Integrations
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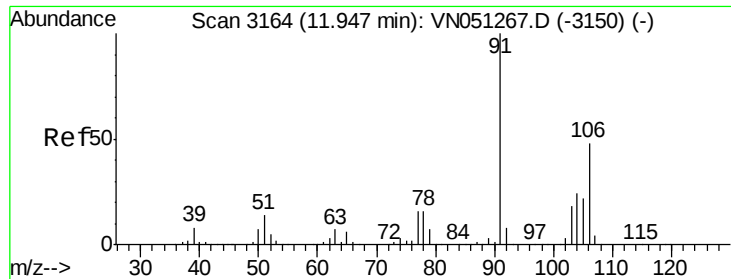
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#68
m/p-Xylenes
Concen: 317.40 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion: 106 Resp: 3682826
Ion Ratio Lower Upper
106 100
91 198.0 158.6 238.0





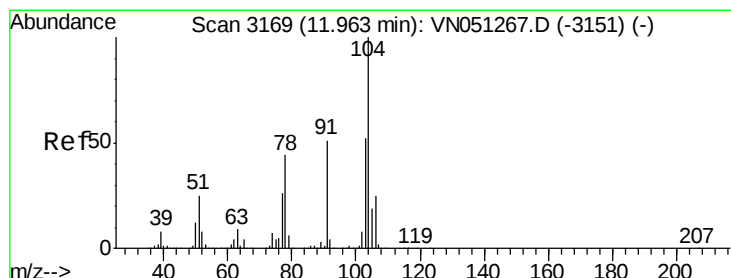
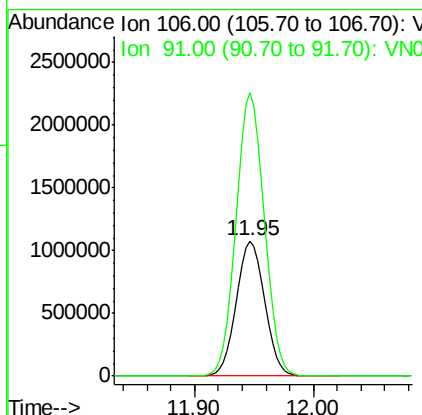
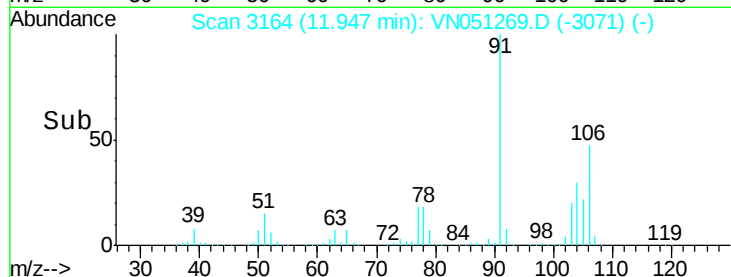
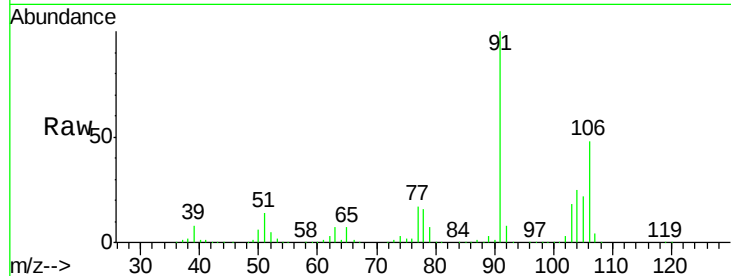
#69
o-Xylene
Concen: 157.97 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1775510
Ion Ratio Lower Upper
106 100
91 209.1 104.1 312.3

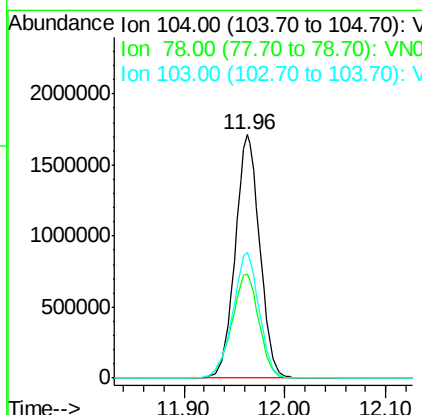
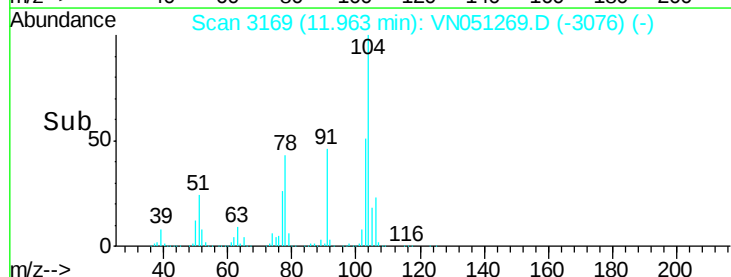
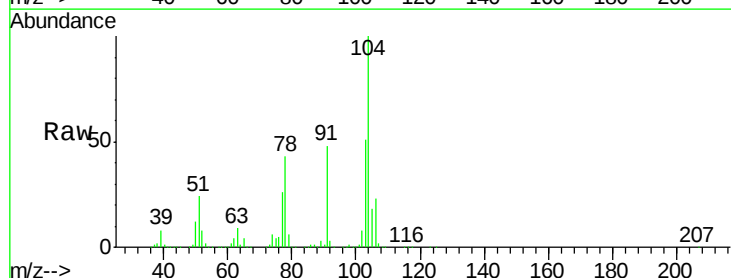
Manual Integrations
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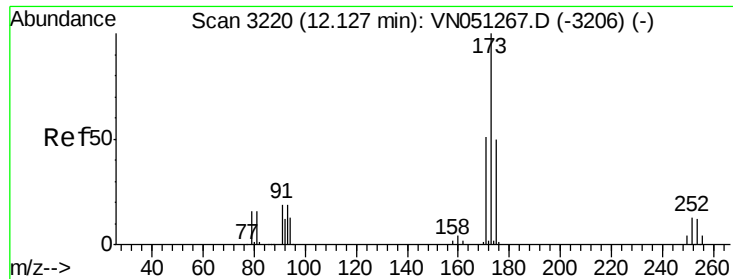
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#70
Styrene
Concen: 165.43 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion:104 Resp: 2879658
Ion Ratio Lower Upper
104 100
78 47.4 38.1 57.1
103 55.6 44.8 67.2





#71

Bromoform

Concen: 153.76 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 726408

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.2

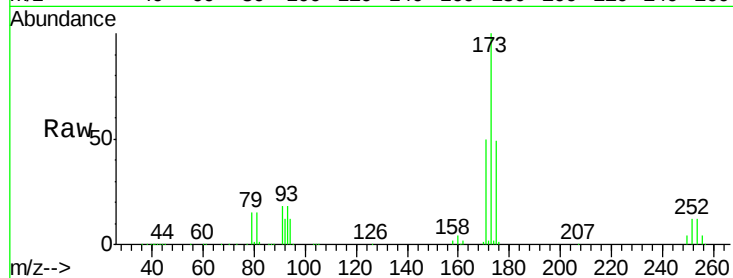
254 0.1 0.1 0.1#

Manual Integrations

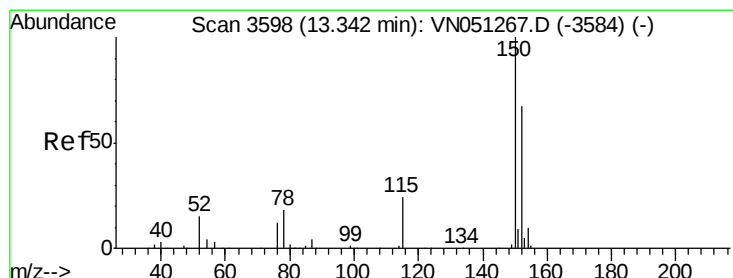
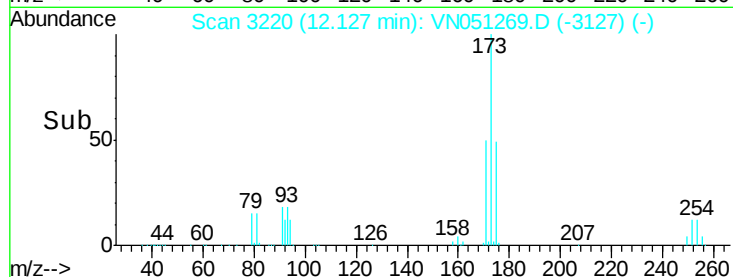
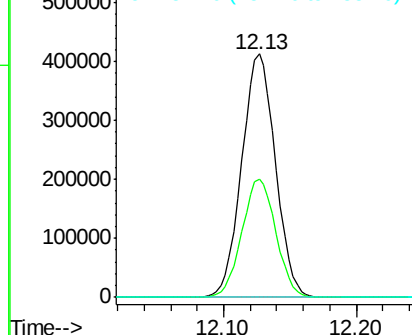
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

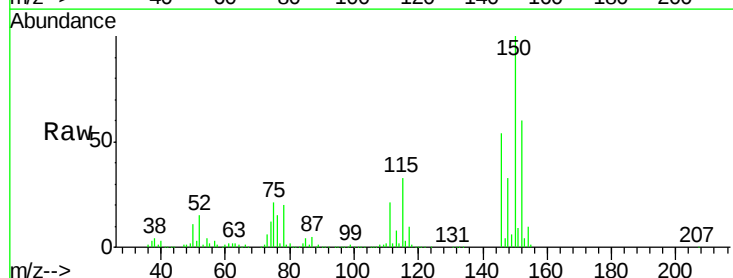
Tgt Ion:152 Resp: 391231

Ion Ratio Lower Upper

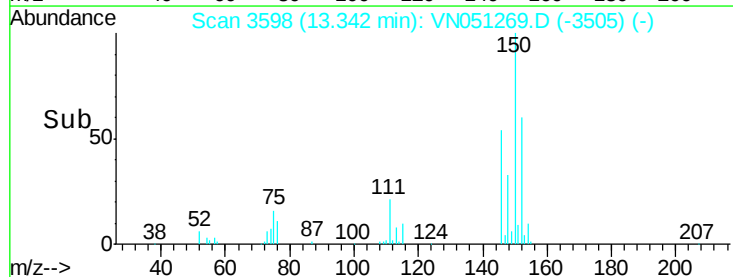
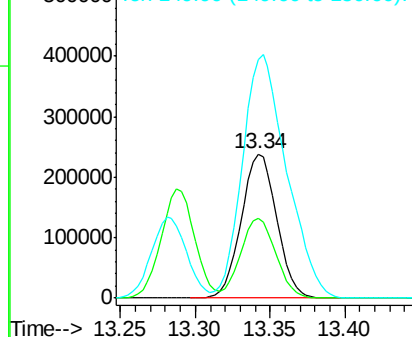
152 100

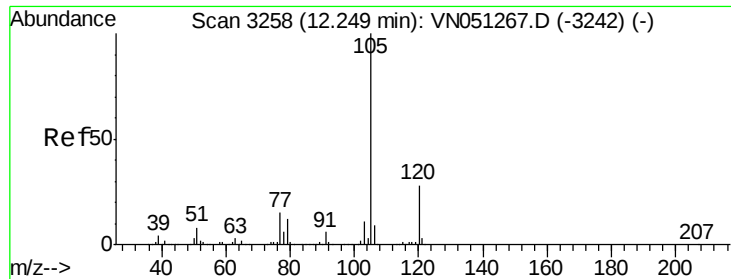
115 54.8 27.1 81.2

150 211.6 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 141.23 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4651010

Ion Ratio Lower Upper

105 100

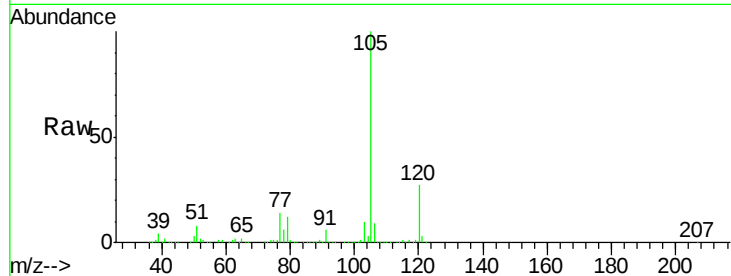
120 27.6 13.8 41.4

Manual Integrations

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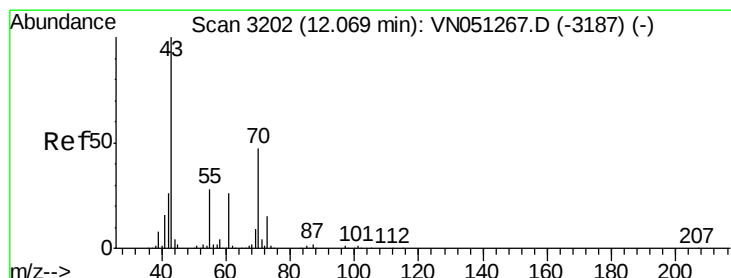
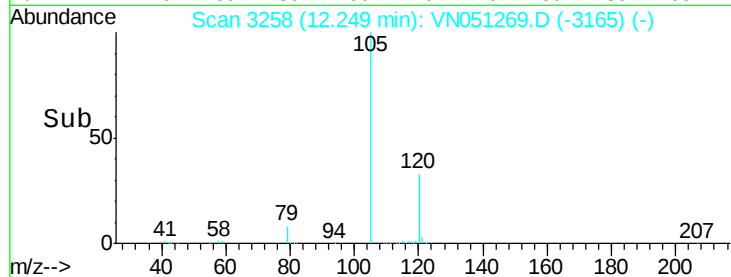
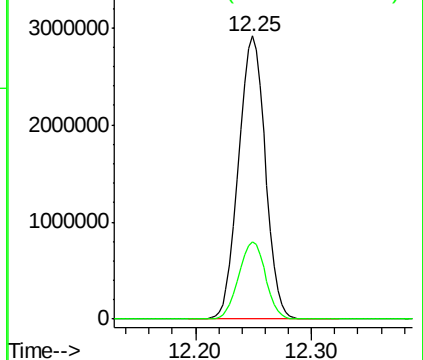
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 125.33 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Tgt Ion: 43 Resp: 1013025

Ion Ratio Lower Upper

43 100

70 47.4 37.8 56.6

55 27.0 22.6 34.0

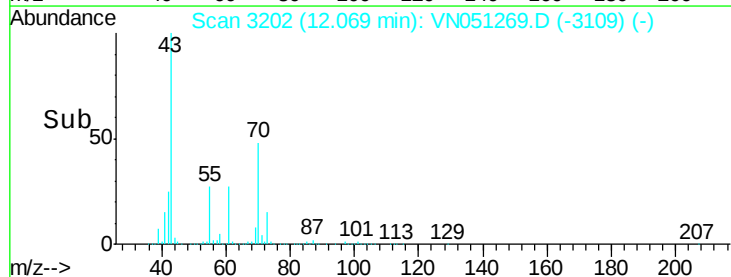
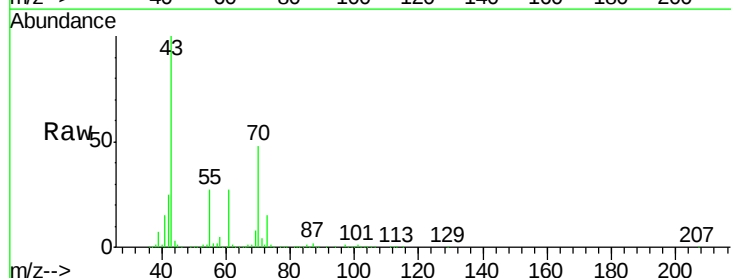
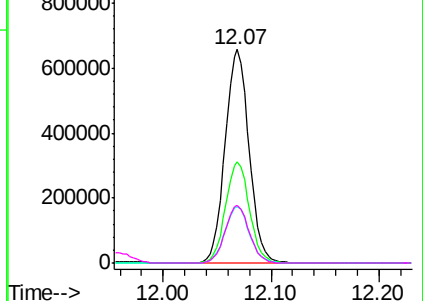
61 26.9 20.9 31.3

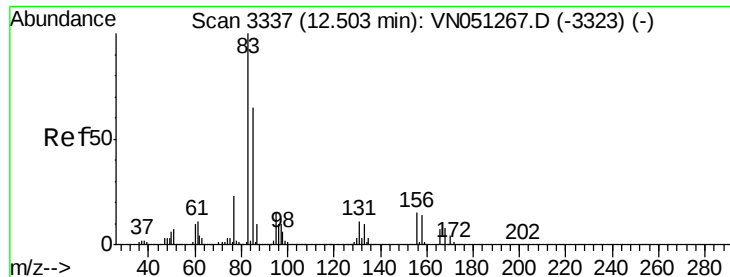
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 113.16 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

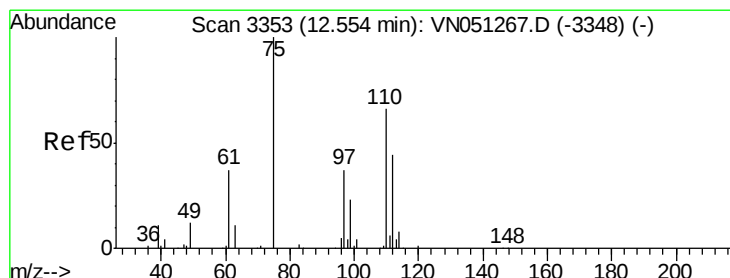
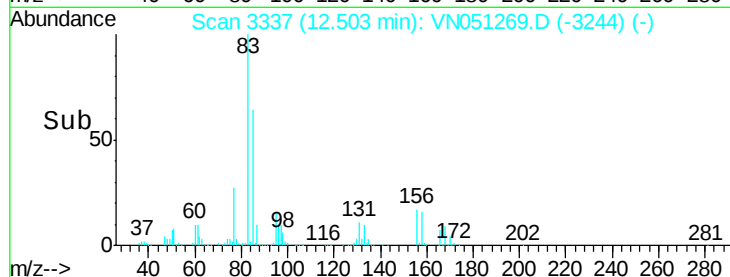
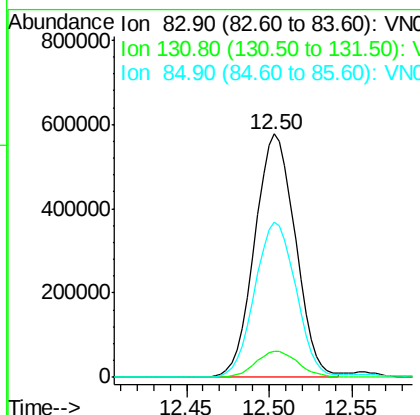
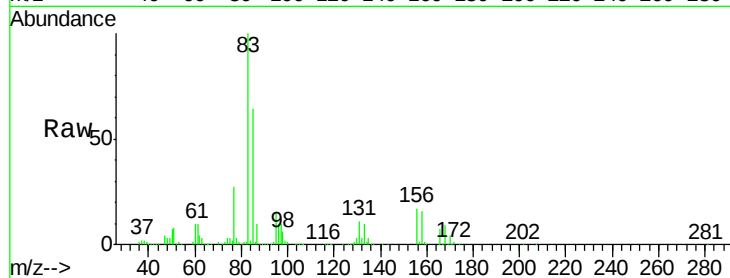
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	985081
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	64.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 111.87 ug/l m

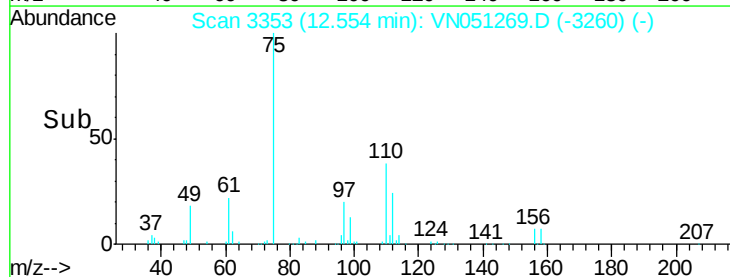
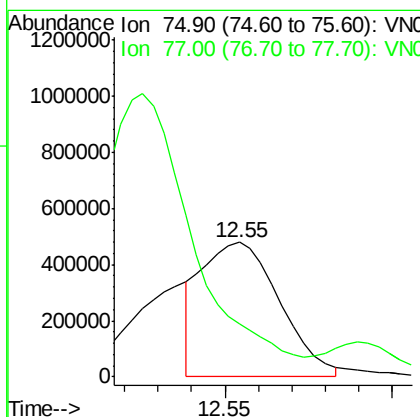
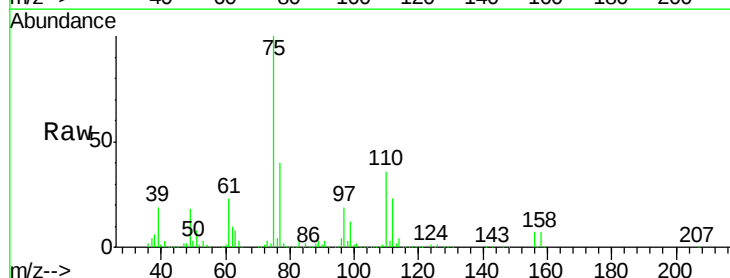
RT: 12.55 min Scan# 3353

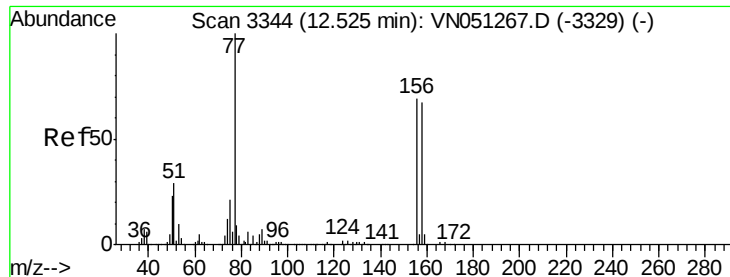
Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Tgt Ion:	75	Resp:	782719
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 137.30 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1217593

Ion Ratio Lower Upper

156 100

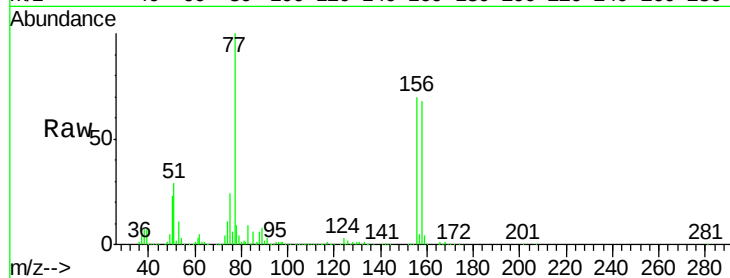
77 165.8 83.7 251.1

158 97.9 49.0 147.2

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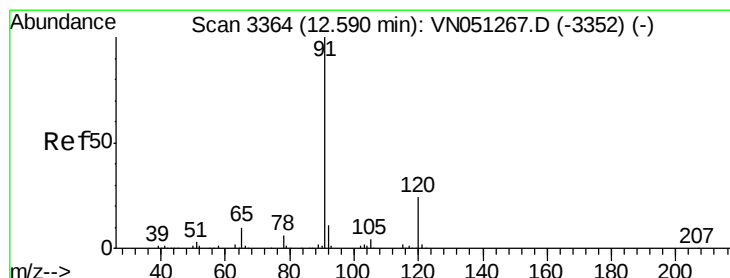
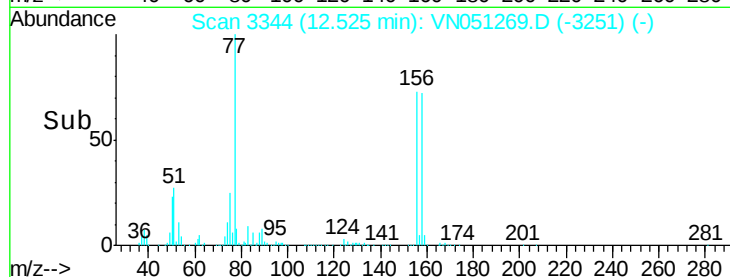
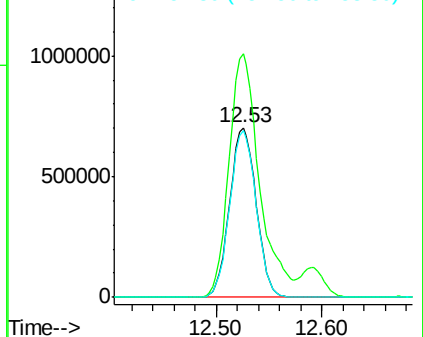
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 144.47 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051269.D

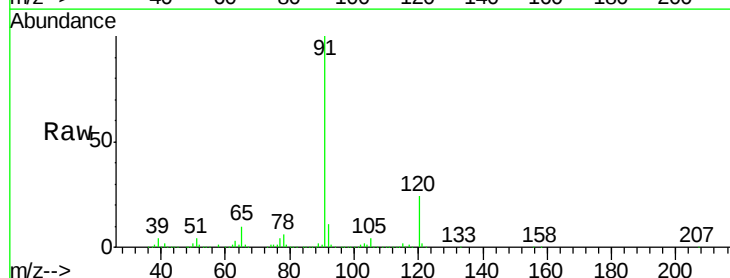
Acq: 17 Sep 2018 12:24

Tgt Ion: 91 Resp: 5230346

Ion Ratio Lower Upper

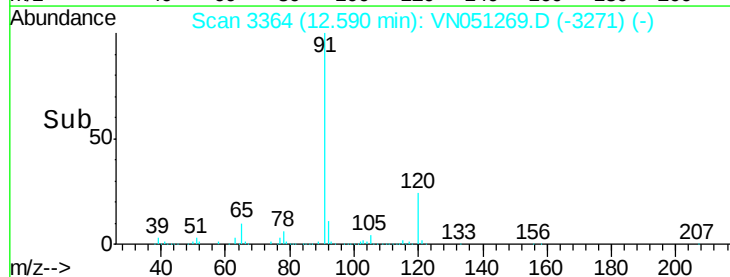
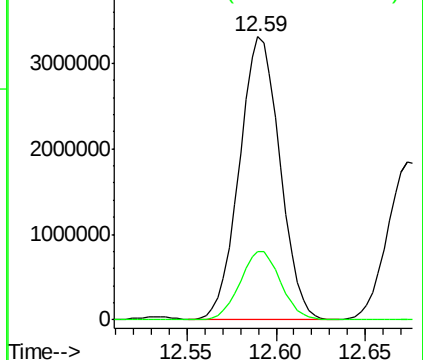
91 100

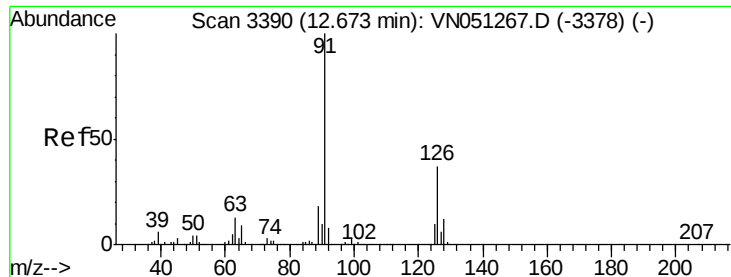
120 24.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 135.89 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3074956

Ion Ratio Lower Upper

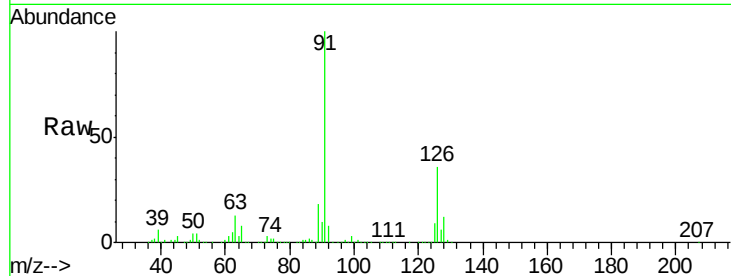
91 100

126 36.6 18.2 54.6

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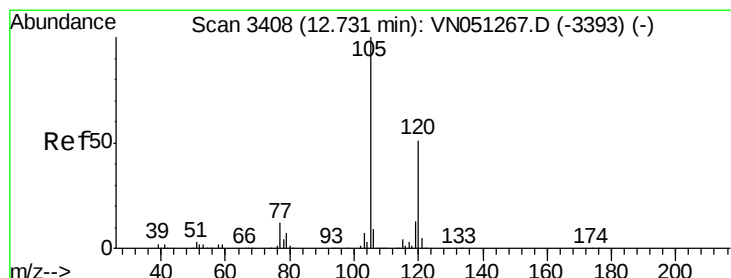
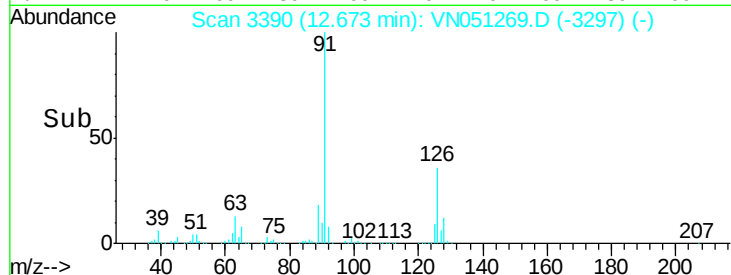
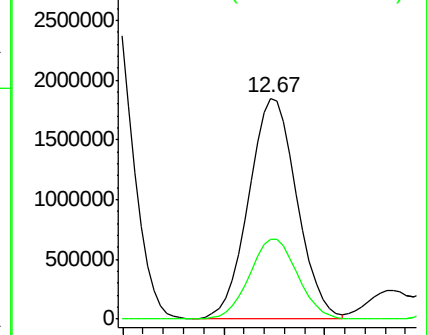
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Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051267.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 143.44 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051269.D

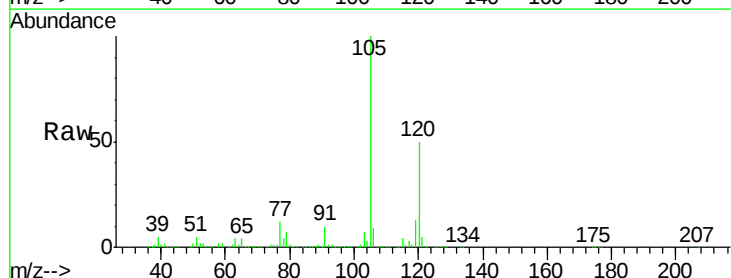
Acq: 17 Sep 2018 12:24

Tgt Ion:105 Resp: 3825146

Ion Ratio Lower Upper

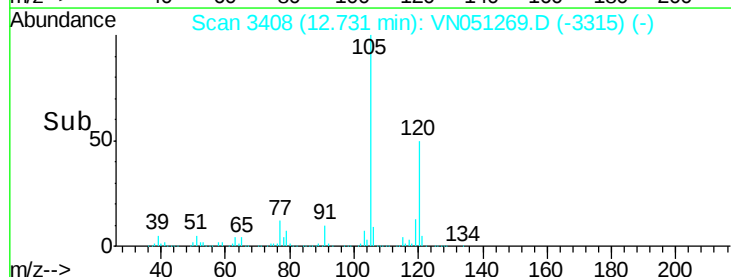
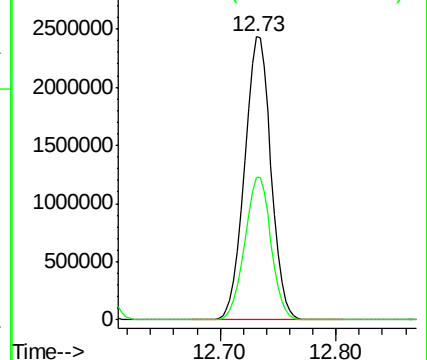
105 100

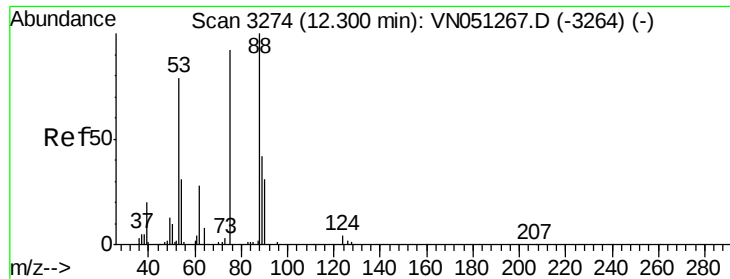
120 50.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN051267.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051267.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 136.70 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

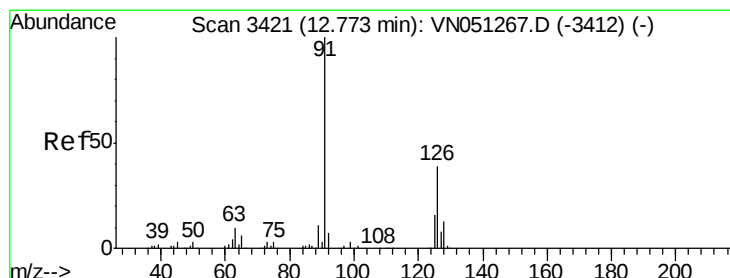
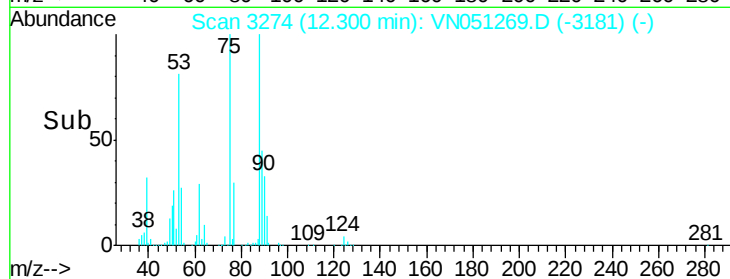
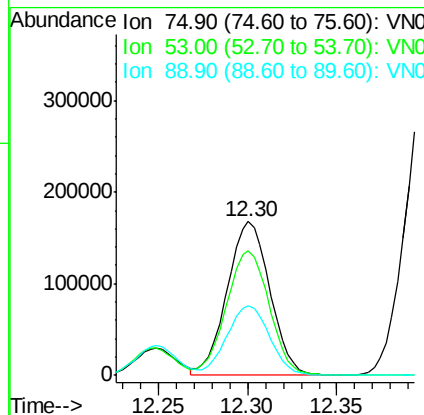
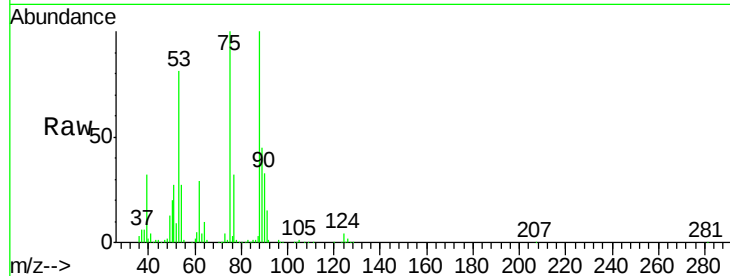
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	277661
Ion	Ratio	Lower	Upper
75	100		
53	82.4	67.7	101.5
89	45.7	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 139.61 ug/l

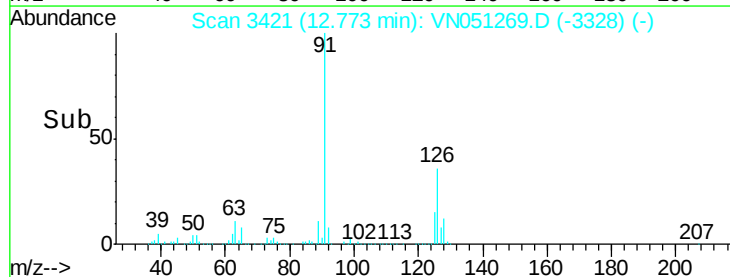
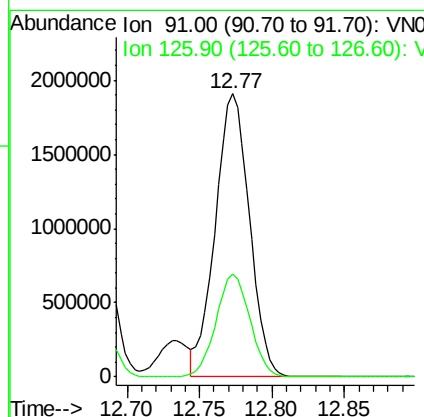
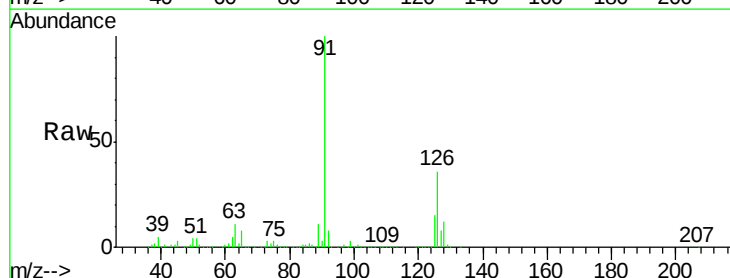
RT: 12.77 min Scan# 3421

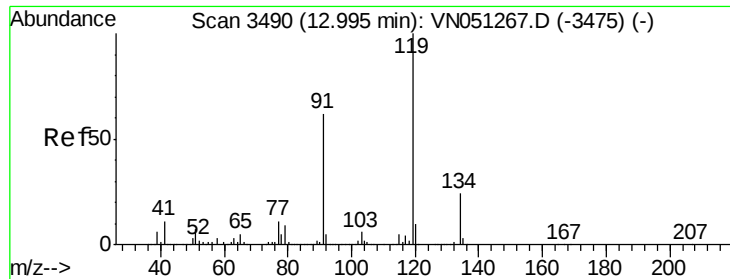
Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Tgt Ion:	91	Resp:	3129729
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8





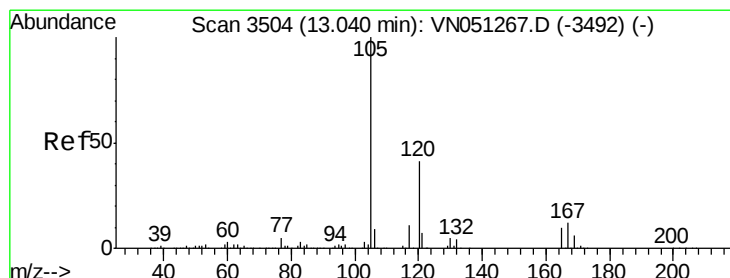
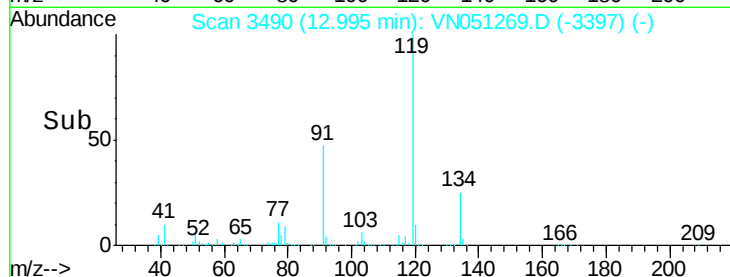
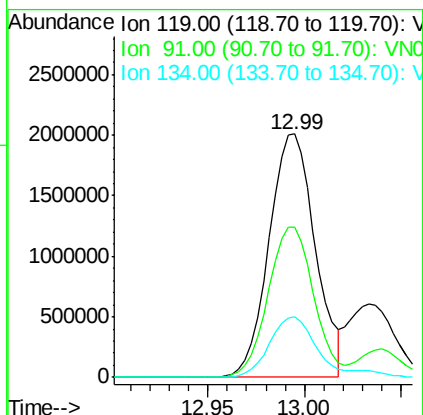
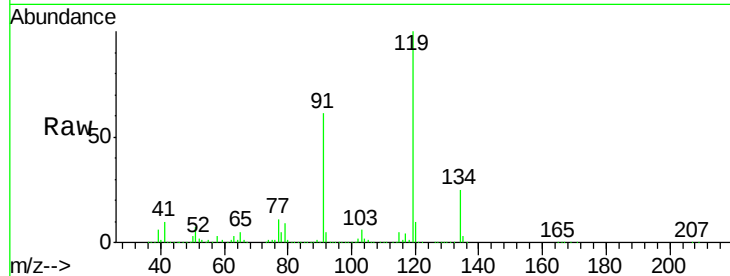
#83
tert-Butylbenzene
Concen: 141.80 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 3334874
Ion Ratio Lower Upper
119 100
91 60.9 30.8 92.4
134 26.7 12.4 37.0

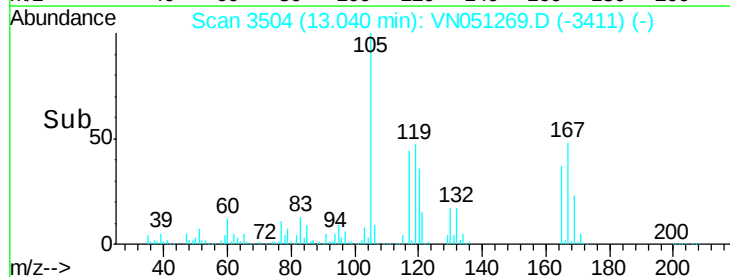
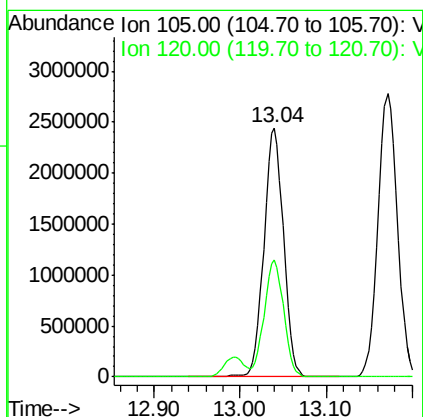
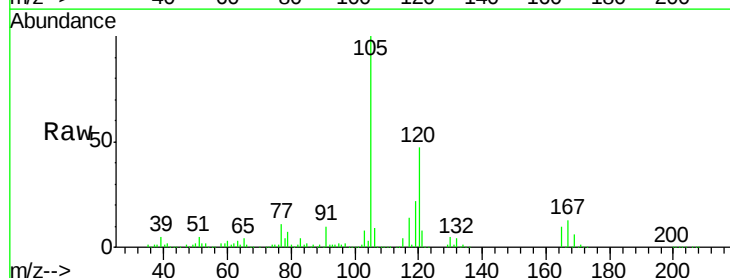
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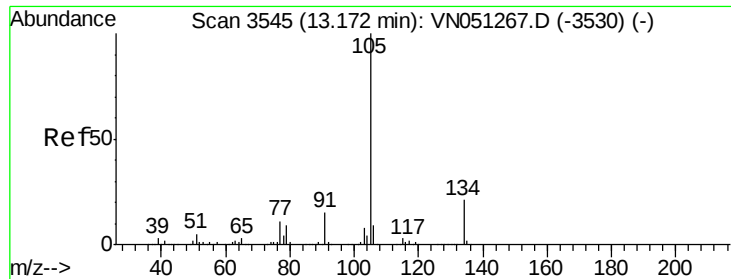
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#84
1,2,4-Trimethylbenzene
Concen: 148.34 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion:105 Resp: 3886765
Ion Ratio Lower Upper
105 100
120 46.9 23.5 70.6





#85

sec-Butylbenzene

Concen: 144.41 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4359287

Ion Ratio Lower Upper

105 100

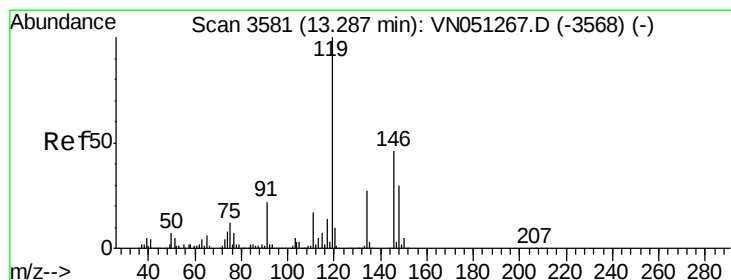
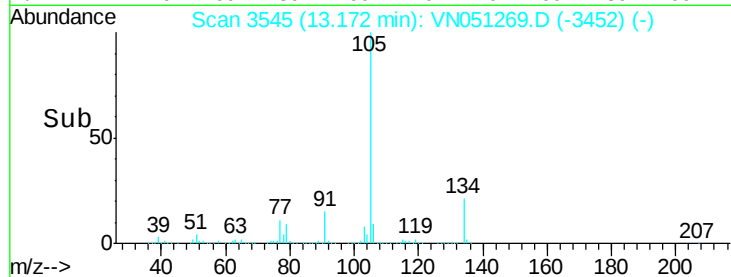
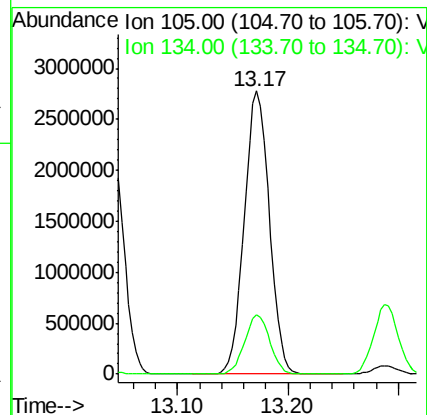
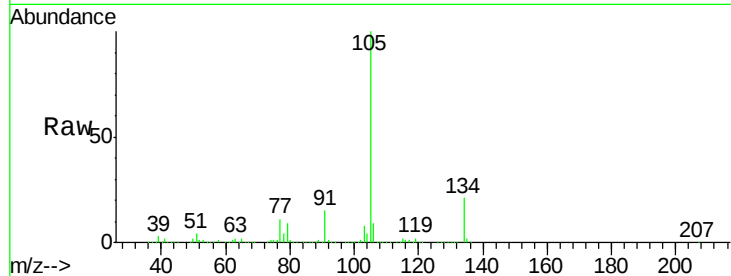
134 21.0 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 153.67 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

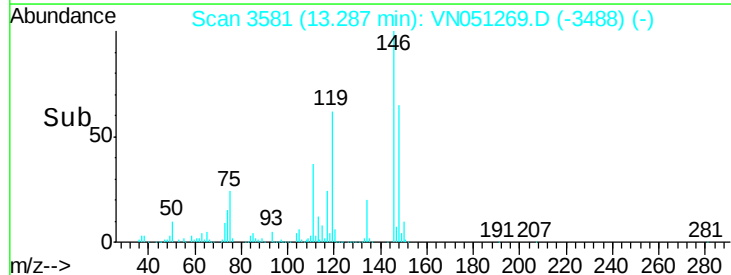
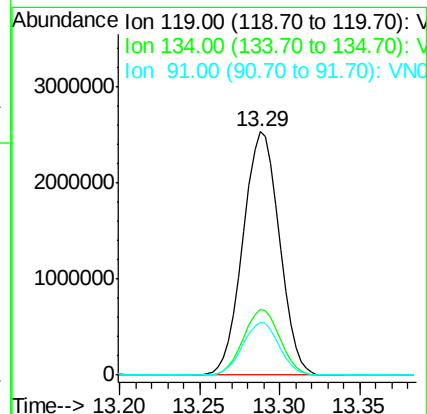
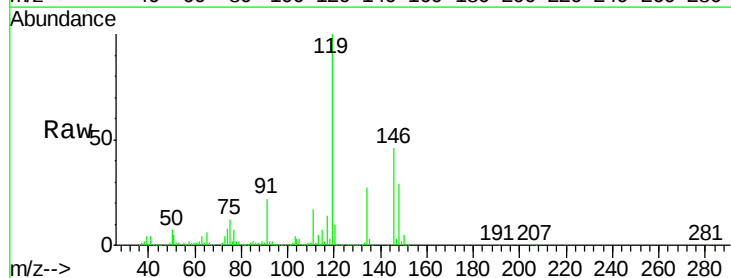
Tgt Ion:119 Resp: 3928777

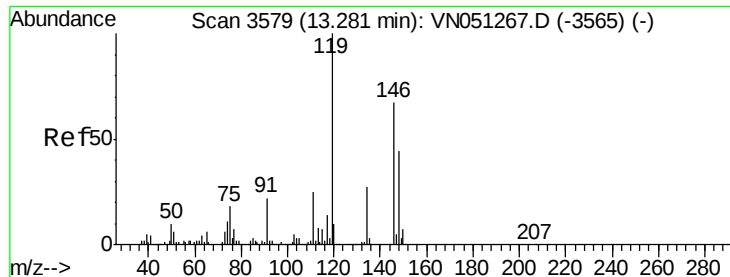
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 21.6 11.1 33.1





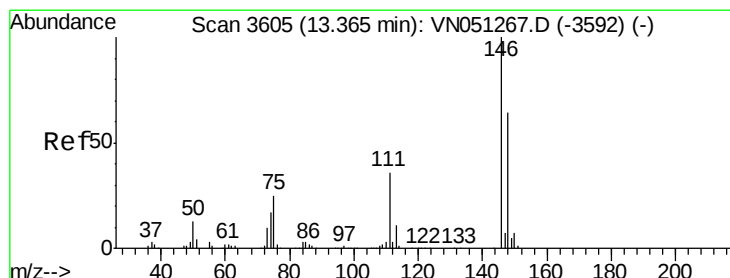
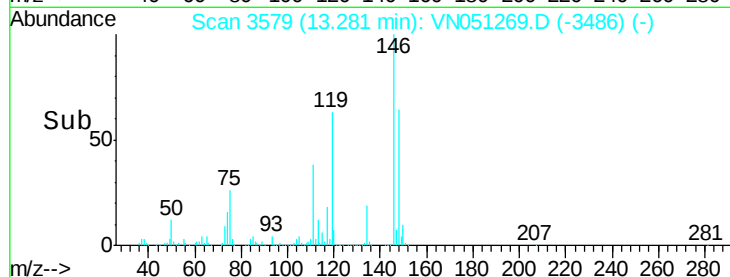
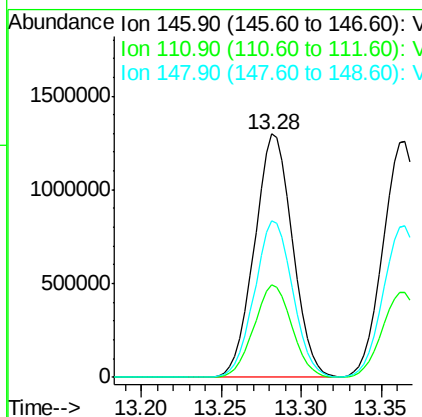
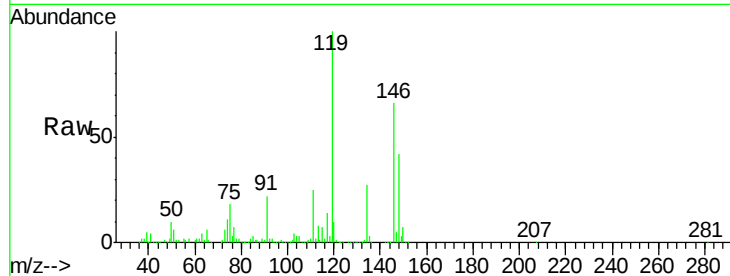
#87
 1,3-Dichlorobenzene
 Concen: 141.87 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2128626
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 64.4 32.2 96.6

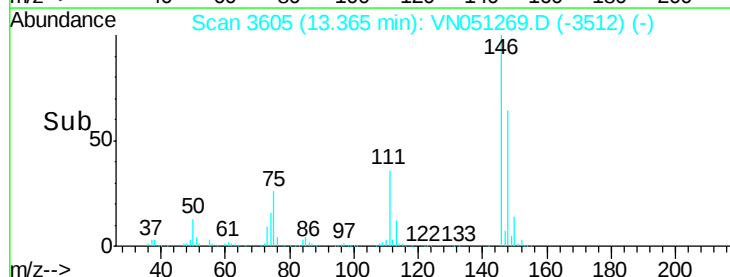
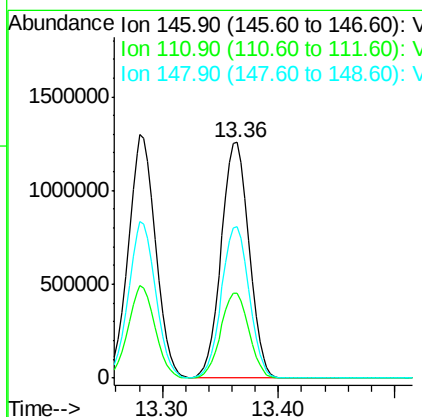
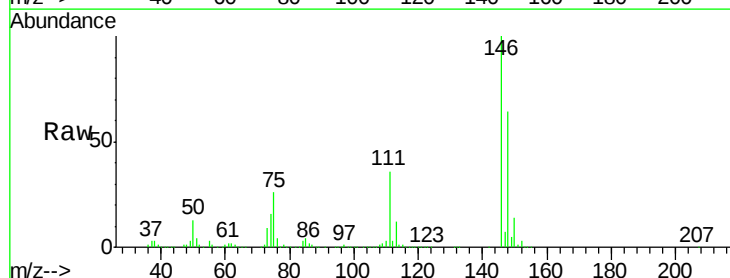
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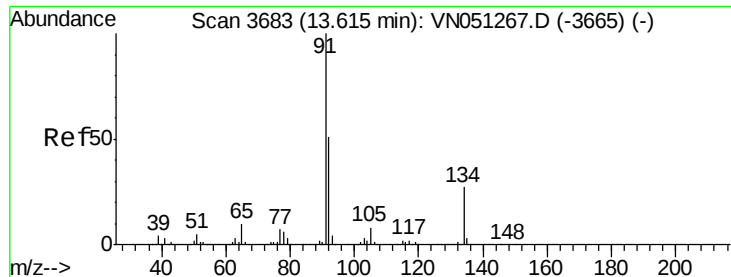
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#88
 1,4-Dichlorobenzene
 Concen: 141.21 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion:146 Resp: 2086305
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.2 54.6
 148 64.1 31.9 95.7





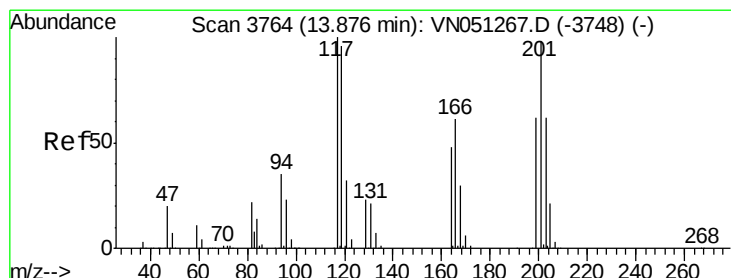
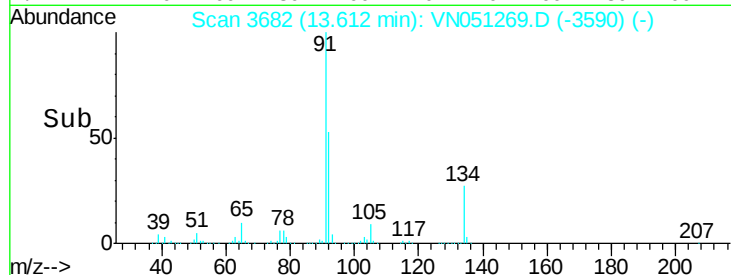
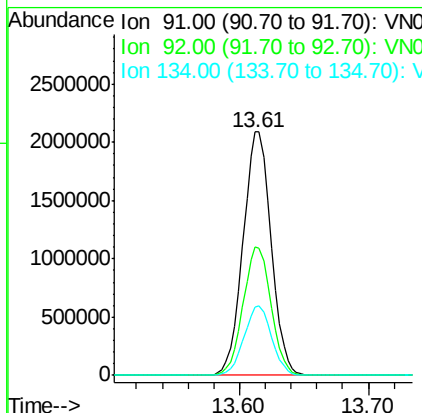
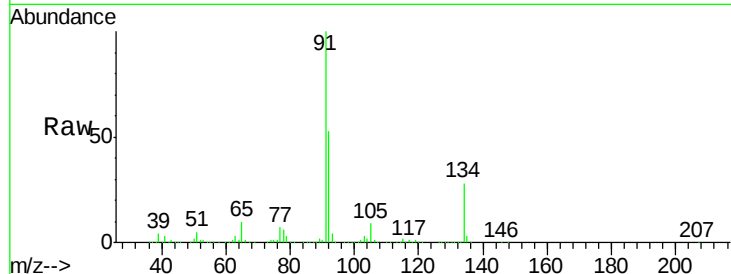
#89
n-Butylbenzene
Concen: 159.48 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3154380
Ion Ratio Lower Upper
91 100
92 52.5 25.8 77.4
134 28.1 13.7 41.0

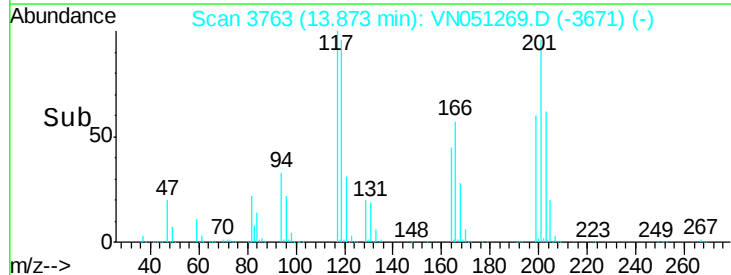
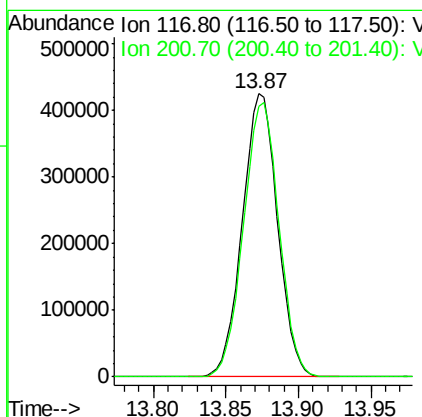
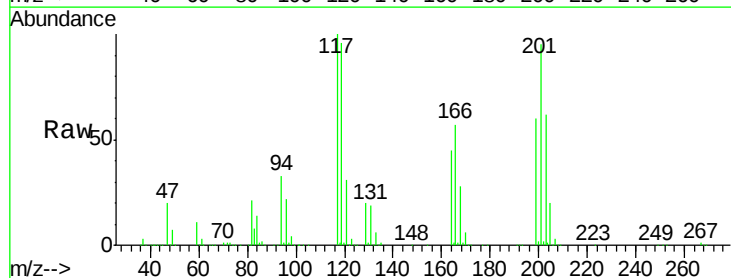
Manual Integrations
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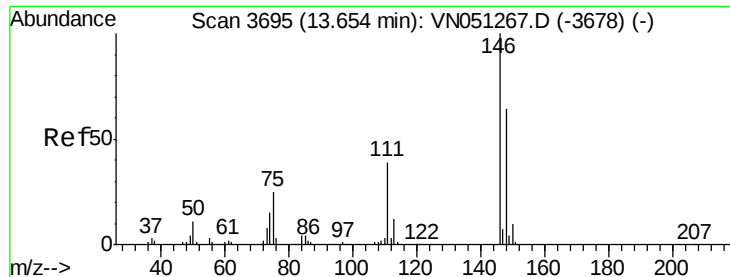
MMDadoda
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#90
Hexachloroethane
Concen: 136.79 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051269.D
Acq: 17 Sep 2018 12:24

Tgt Ion: 117 Resp: 719205
Ion Ratio Lower Upper
117 100
201 97.5 48.4 145.3





#91

1,2-Dichlorobenzene

Concen: 136.75 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1996368

Ion Ratio Lower Upper

146 100

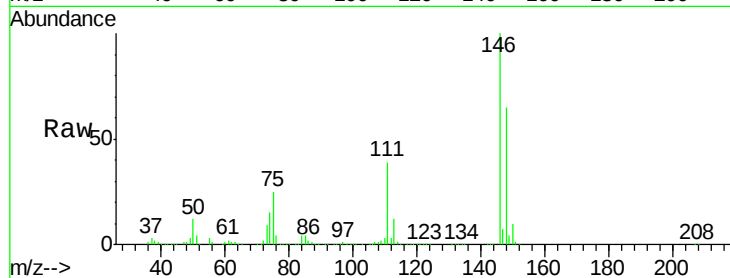
111 38.9 19.6 58.7

148 64.2 31.9 95.9

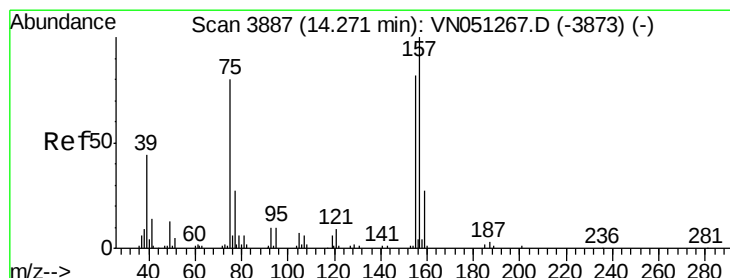
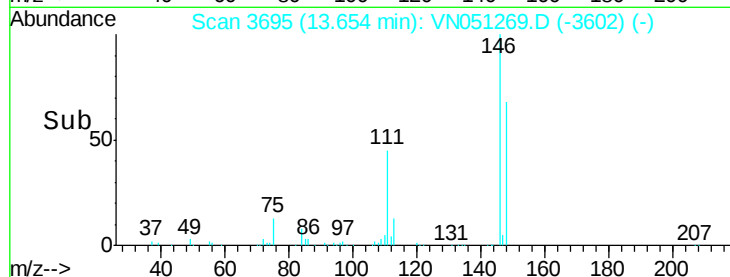
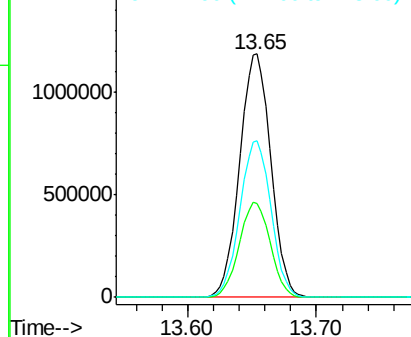
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 115.93 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

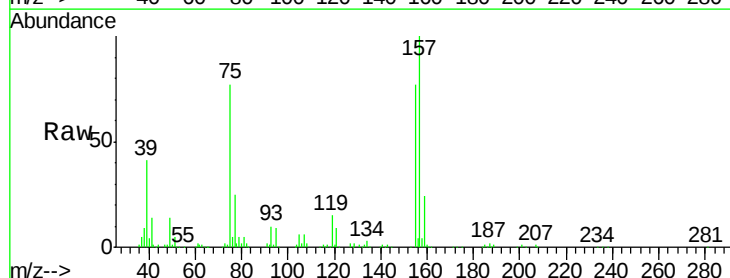
Tgt Ion: 75 Resp: 146005

Ion Ratio Lower Upper

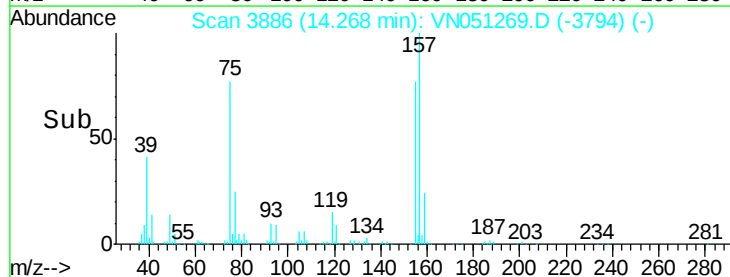
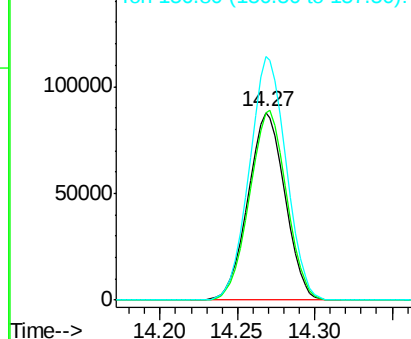
75 100

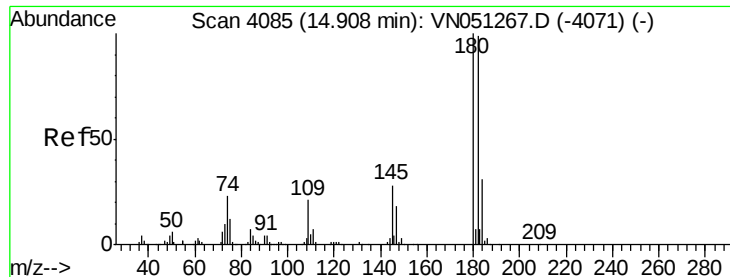
155 100.9 50.2 150.7

157 129.3 62.9 188.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





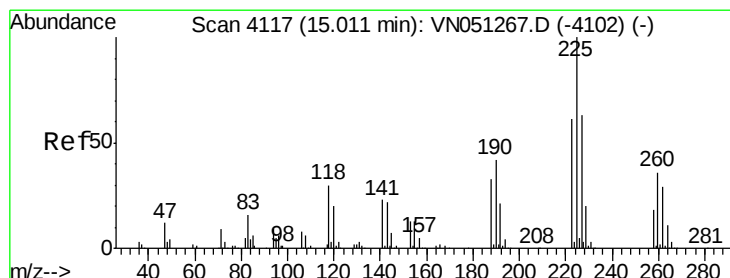
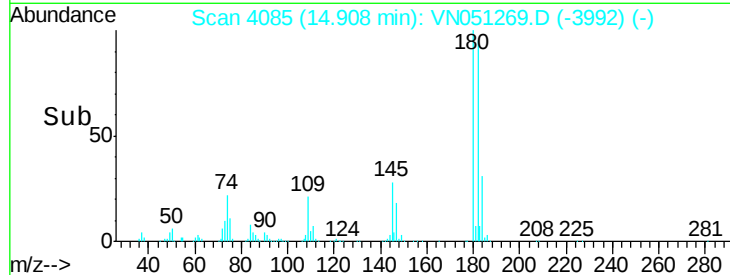
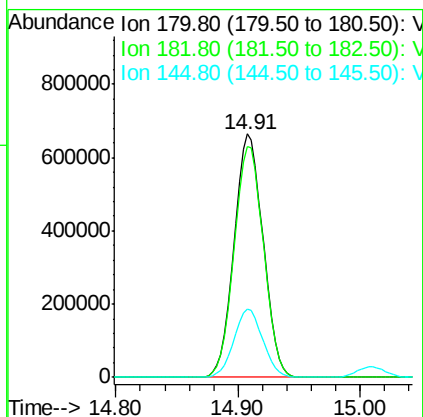
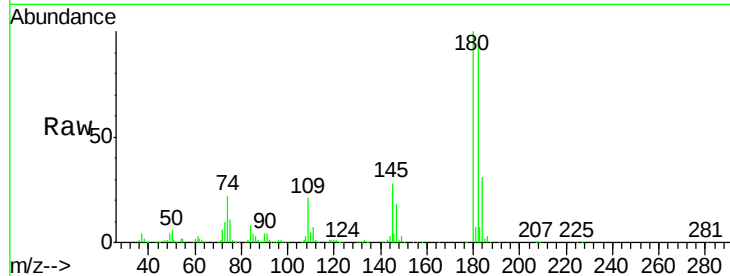
#93
 1,2,4-Trichlorobenzene
 Concen: 176.85 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.6
145	28.0	14.0	41.9

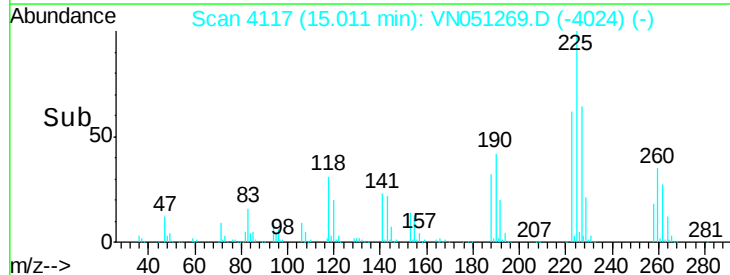
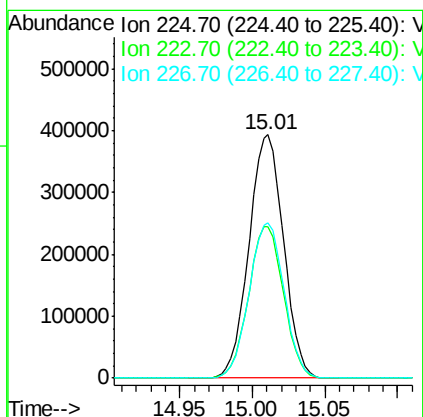
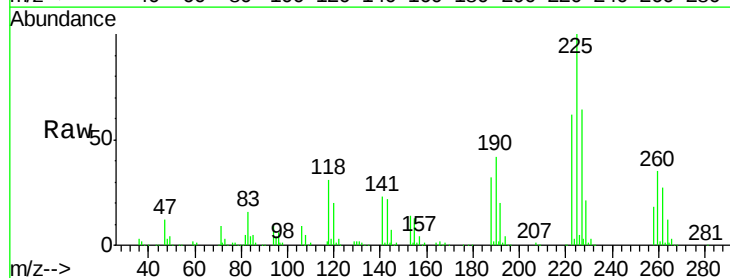
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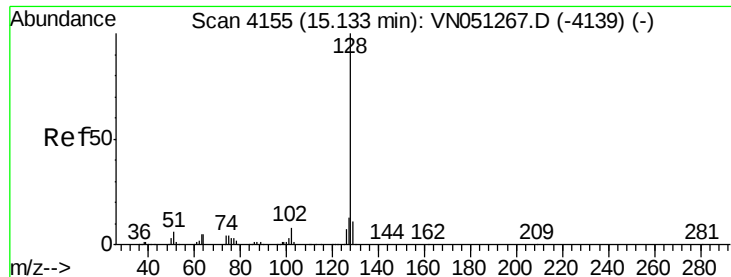
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#94
 Hexachlorobutadiene
 Concen: 126.66 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051269.D
 Acq: 17 Sep 2018 12:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.8	92.3
227	64.3	32.1	96.3





#95

Naphthalene

Concen: 160.26 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2070210

Ion Ratio Lower Upper

128 100

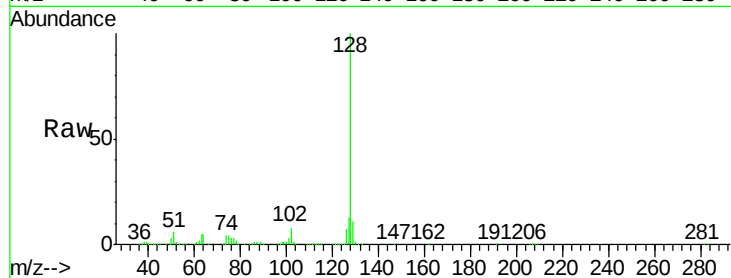
127 13.0 10.7 16.1

129 10.8 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

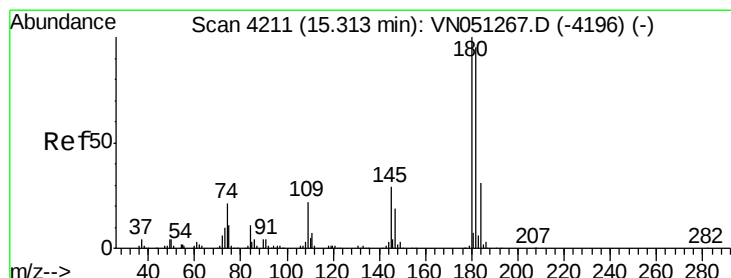
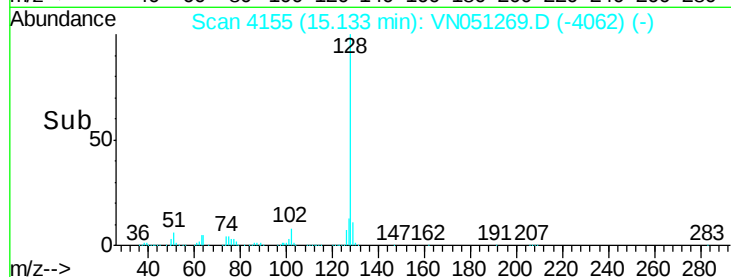
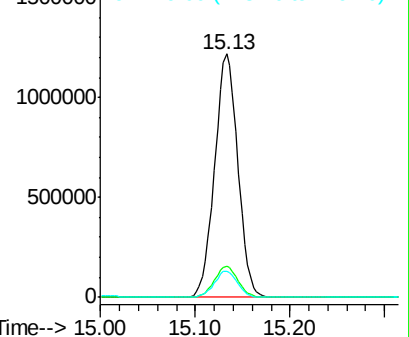
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 157.83 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051269.D

Acq: 17 Sep 2018 12:24

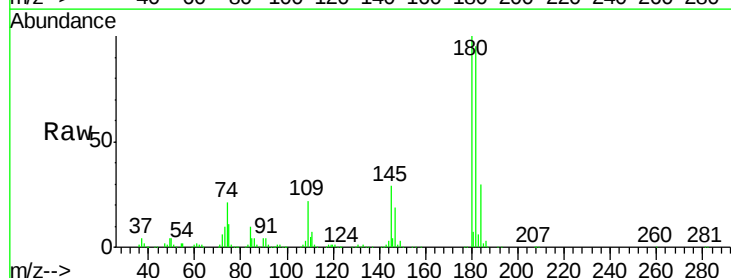
Tgt Ion:180 Resp: 1013620

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.6

145 29.1 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

