

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051341.D
 Acq On : 20 Sep 2018 15:30
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:13 PM

Quant Time: Sep 21 04:17:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	724625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	960370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	912000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	513437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1068333	136.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.06%	
35) Dibromofluoromethane	7.59	113	1078582	138.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.94%	
50) Toluene-d8	10.09	98	4191960	140.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.00%	
62) 4-Bromofluorobenzene	12.40	95	1433631	147.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	822477	135.826	ug/l	98
3) Chloromethane	2.06	50	1095664	127.539	ug/l	100
4) Vinyl Chloride	2.18	62	1195291	140.037	ug/l	99
5) Bromomethane	2.55	94	840161	141.114	ug/l	97
6) Chloroethane	2.69	64	743701	141.776	ug/l	98
7) Trichlorofluoromethane	3.01	101	1712326	140.325	ug/l	99
8) Diethyl Ether	3.41	74	594013	152.141	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1033504	138.032	ug/l	99
10) Methyl Iodide	3.95	142	1774886	160.171	ug/l	99
11) Tert butyl alcohol	4.79	59	317719	763.046	ug/l	98
12) 1,1-Dichloroethene	3.73	96	979165	144.458	ug/l	99
13) Acrolein	3.61	56	399531	838.353	ug/l	99
14) Allyl chloride	4.32	41	1450028	151.778	ug/l	99
15) Acrylonitrile	4.99	53	1591922	754.425	ug/l	100
16) Acetone	3.82	43	1040434	644.878	ug/l	100
17) Carbon Disulfide	4.05	76	2939017	143.903	ug/l	99
18) Methyl Acetate	4.32	43	675881	121.912	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2571820	156.775	ug/l	99
20) Methylene Chloride	4.55	84	1101489	136.439	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1049599	146.617	ug/l	97
22) Diisopropyl ether	5.95	45	2836051	150.281	ug/l	98
23) Vinyl Acetate	5.90	43	9624514	788.456	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1828558	142.144	ug/l	99
25) 2-Butanone	6.84	43	1611794	718.271	ug/l	100
26) 2,2-Dichloropropane	6.83	77	1517049	142.717	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1199746	151.239	ug/l	98
28) Bromochloromethane	7.20	49	806930	151.347	ug/l	98
29) Tetrahydrofuran	7.21	42	1072085	754.111	ug/l	99
30) Chloroform	7.37	83	1885027	139.433	ug/l	99
31) Cyclohexane	7.65	56	1666623	131.675	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1669422	143.320	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1484517	151.119	ug/l	99
37) Ethyl Acetate	6.93	43	737826	151.712	ug/l	99
38) Carbon Tetrachloride	7.77	117	1558178	146.623	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1897660	165.521	ug/l	99
40) Benzene	8.04	78	4384050	148.114	ug/l	99
41) Methacrylonitrile	7.18	41	405782	160.164	ug/l	95
42) 1,2-Dichloroethane	8.12	62	1293984	144.719	ug/l	100
43) Isopropyl Acetate	8.17	43	1354693	159.056	ug/l #	87
44) Trichloroethene	8.84	130	1273607	149.892	ug/l	96
45) 1,2-Dichloropropane	9.12	63	1114622	147.160	ug/l	99
46) Dibromomethane	9.21	93	681932	146.051	ug/l	99
47) Bromodichloromethane	9.40	83	1474688	148.069	ug/l	99
48) Methyl methacrylate	9.20	41	695621	160.205	ug/l	99
49) 1,4-Dioxane	9.20	88	205068	3193.600	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3569772	779.187	ug/l	99
52) Toluene	10.16	92	2874156	157.696	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1584372	165.688	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1790672	161.729	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	980588	143.438	ug/l	99
56) Ethyl methacrylate	10.43	69	1255922	173.932	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1645135	152.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3151538	887.673	ug/l	99
59) 2-Hexanone	10.75	43	2383740	771.759	ug/l	100
60) Dibromochloromethane	10.90	129	1234431	154.842	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1014159	154.304	ug/l	100
64) Tetrachloroethene	10.63	164	1181284	148.534	ug/l	99
65) Chlorobenzene	11.43	112	3287717	150.891	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1227905	148.034	ug/l	100
67) Ethyl Benzene	11.51	91	5524351	162.072	ug/l	100
68) m/p-Xylenes	11.62	106	4367485	326.143	ug/l	100
69) o-Xylene	11.95	106	2103462	162.942	ug/l	98
70) Styrene	11.96	104	3373752	168.370	ug/l	100
71) Bromoform	12.13	173	882440	156.752	ug/l #	99
73) Isopropylbenzene	12.25	105	5571282	148.056	ug/l	100
74) N-amyl acetate	12.07	43	1192173	148.088	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1144184	123.210	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1003539m	135.350	ug/l	
77) Bromobenzene	12.53	156	1473809	141.757	ug/l	99
78) n-propylbenzene	12.59	91	6233394	151.948	ug/l	100
79) 2-Chlorotoluene	12.67	91	3619785	143.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4610085	151.124	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	362977	169.482	ug/l	95
82) 4-Chlorotoluene	12.77	91	3696524	150.432	ug/l	100
83) tert-Butylbenzene	12.99	119	4107422	150.431	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	4692518	154.986	ug/l	100
85) sec-Butylbenzene	13.17	105	5567589	153.332	ug/l	99
86) p-Isopropyltoluene	13.29	119	5057705	160.051	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2605209	149.078	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2544420	150.199	ug/l	99
89) n-Butylbenzene	13.61	91	4154542	169.123	ug/l	99
90) Hexachloroethane	13.87	117	904900	133.712	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2421698	143.452	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	177639	144.427	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1568897	202.730	ug/l	99
94) Hexachlorobutadiene	15.01	225	923750	140.998	ug/l	99
95) Naphthalene	15.13	128	2984798	218.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1472568	191.251	ug/l	100

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

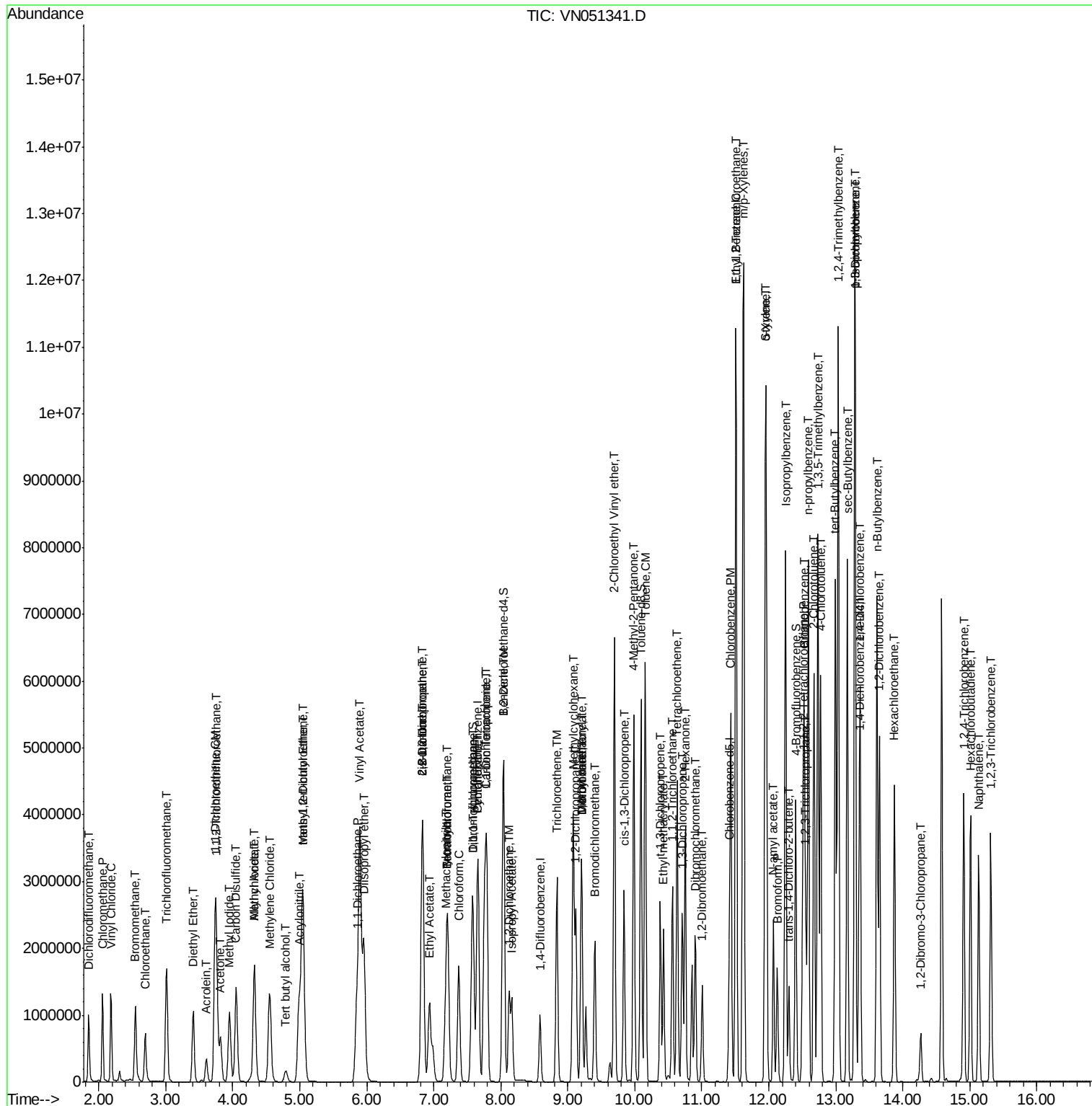
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
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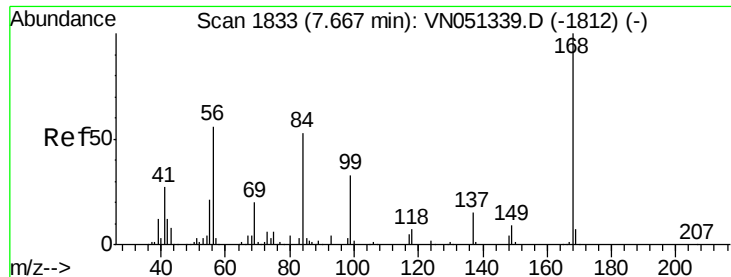
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 724625

Ion Ratio Lower Upper

168 100

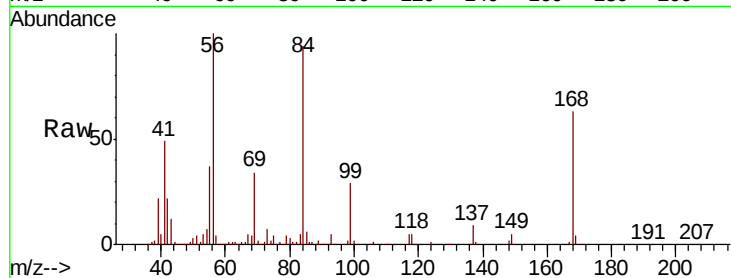
99 46.4 37.1 55.7

Manual Integrations

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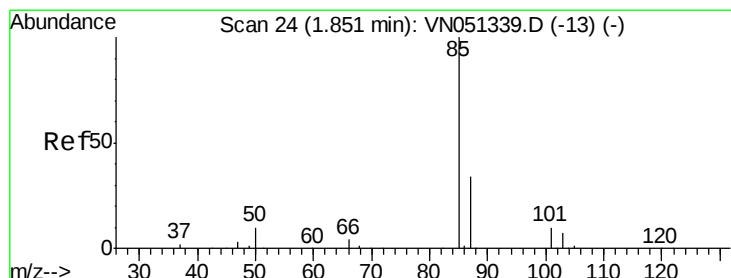
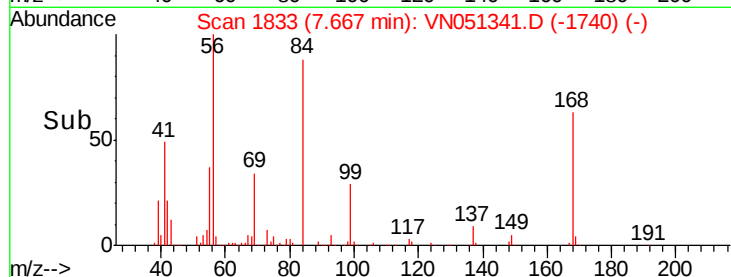
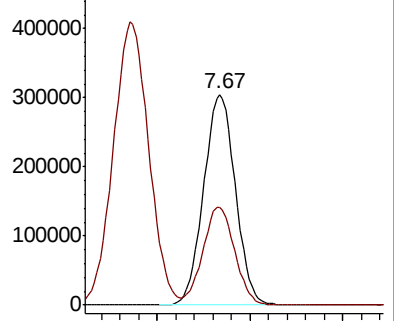
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9/24/2018 2:48:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 135.826 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051341.D

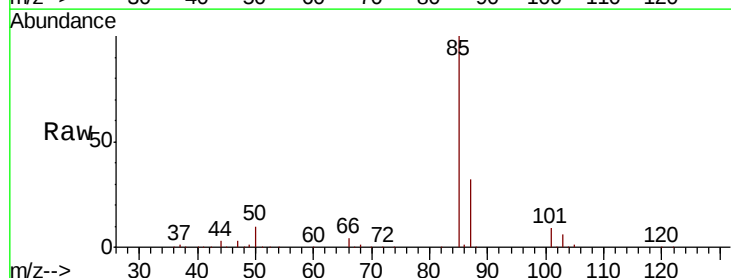
Acq: 20 Sep 2018 15:30

Tgt Ion: 85 Resp: 822477

Ion Ratio Lower Upper

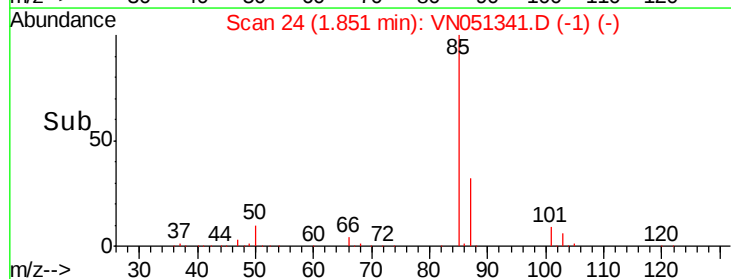
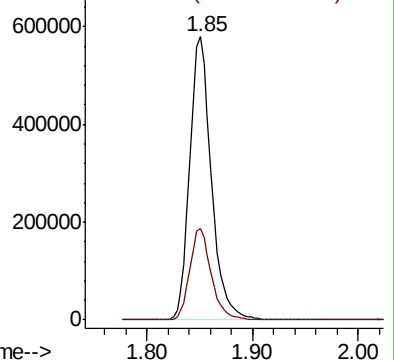
85 100

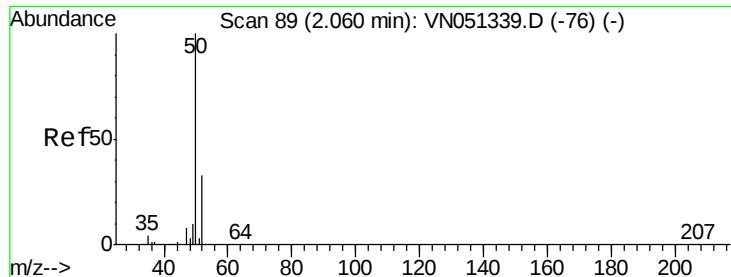
87 32.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 127.539 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1095664

Ion Ratio Lower Upper

50 100

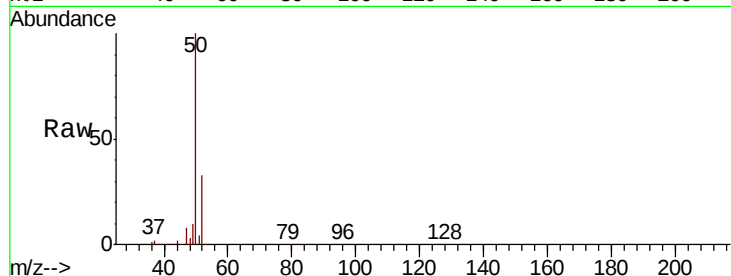
52 33.3 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

800000

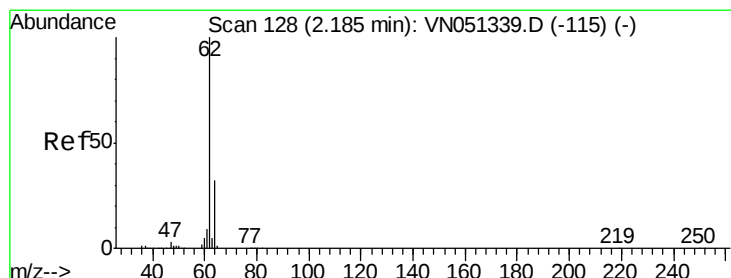
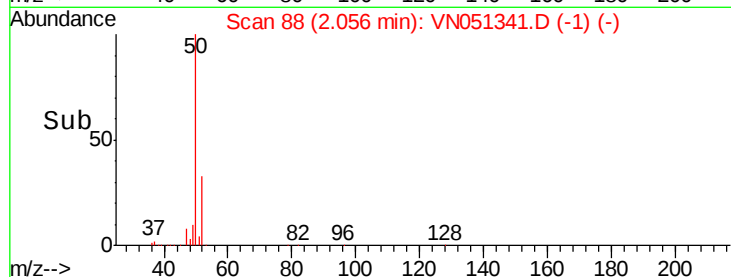
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400000

200000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 140.037 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051341.D

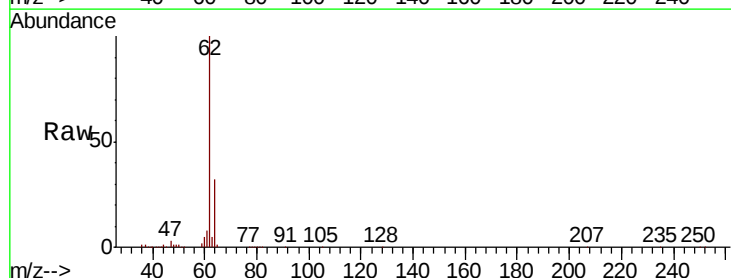
Acq: 20 Sep 2018 15:30

Tgt Ion: 62 Resp: 1195291

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

800000

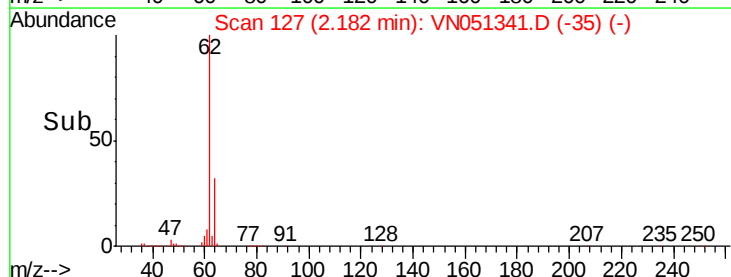
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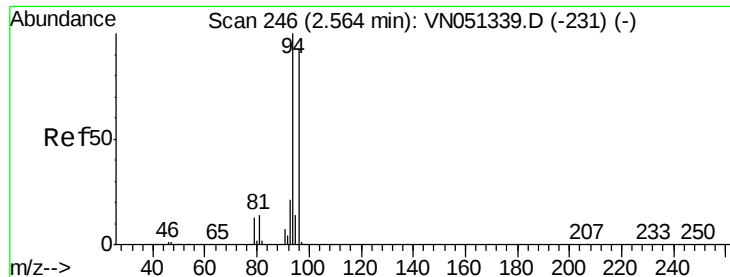
400000

200000

0

Time--> 2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 141.114 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

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Tot Ion: 94 Resp: 840161

Ion Ratio Lower Upper

94 100

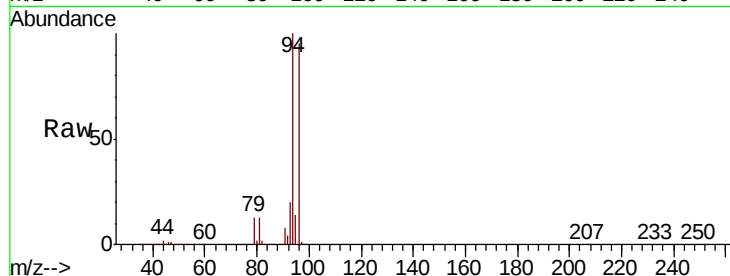
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Manual Integrations

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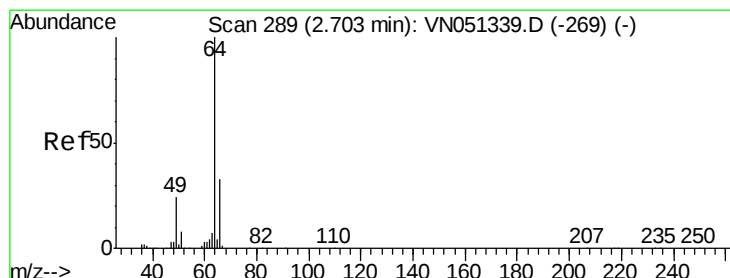
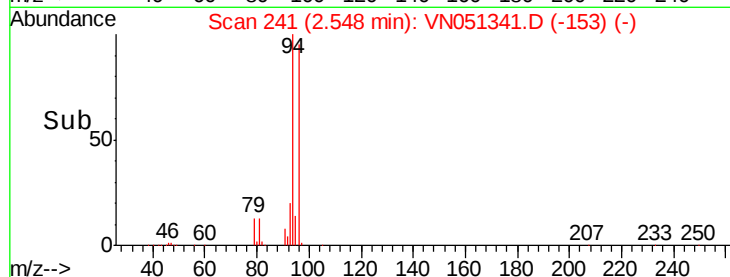
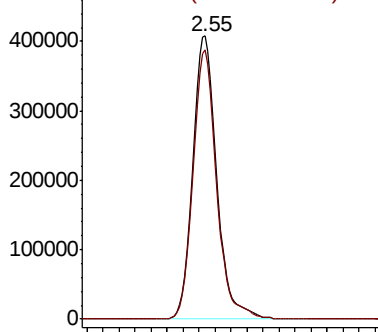
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 141.776 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051341.D

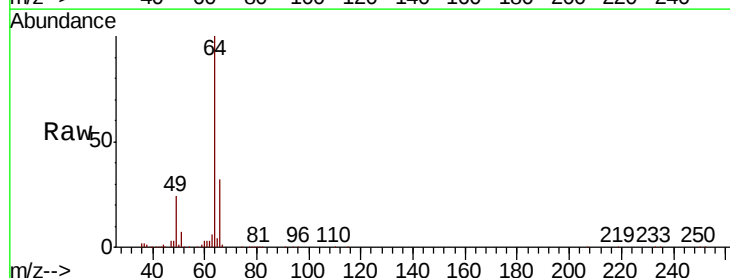
Acq: 20 Sep 2018 15:30

Tgt Ion: 64 Resp: 743701

Ion Ratio Lower Upper

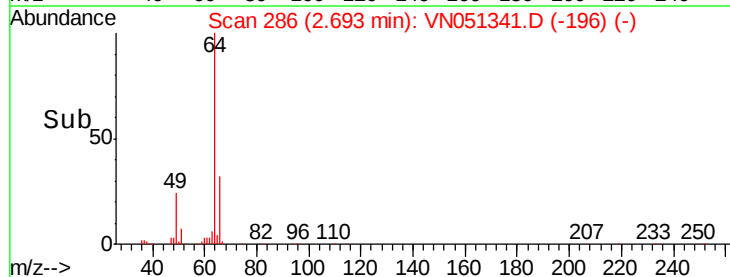
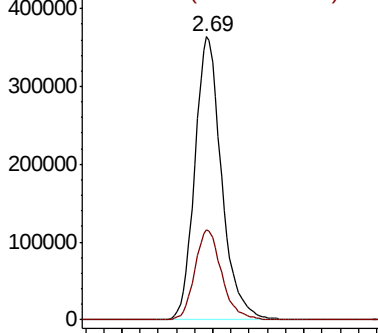
64 100

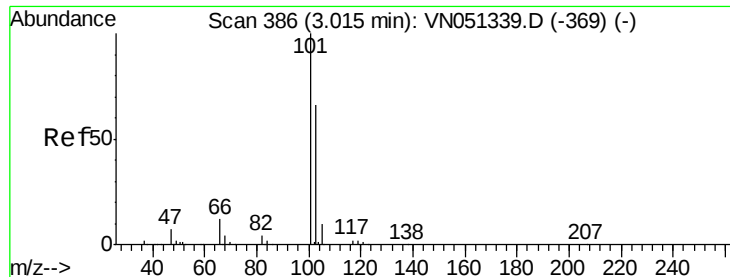
66 31.9 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

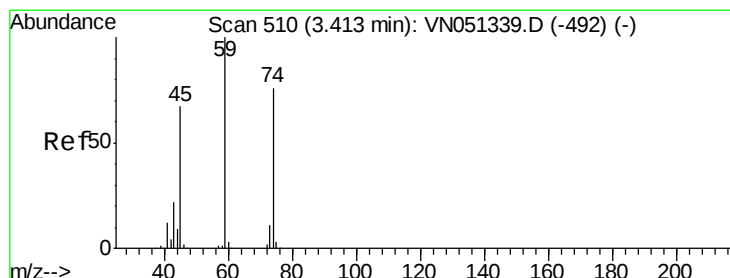
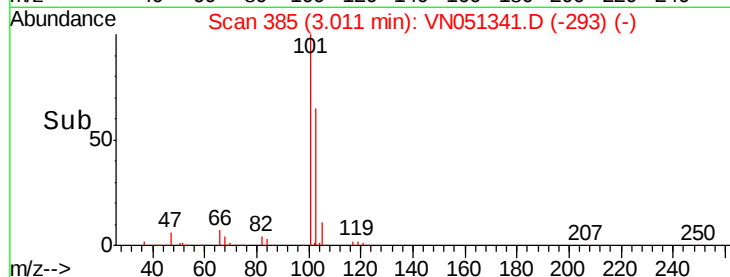
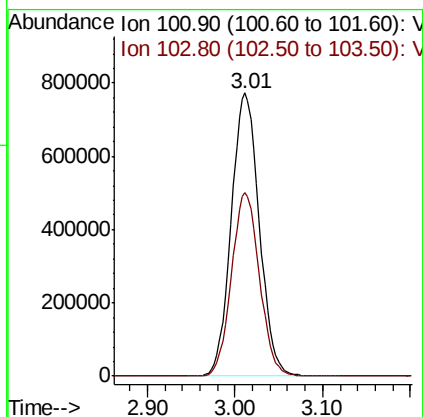
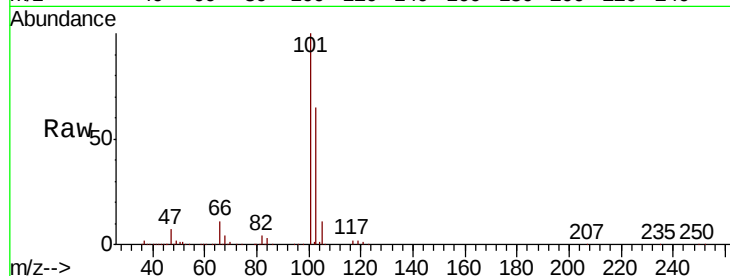
Trichlorofluoromethane
 Concen: 140.325 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1712326
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.7 79.1

Manual Integrations
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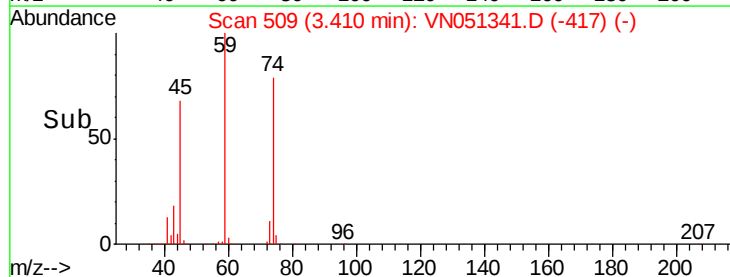
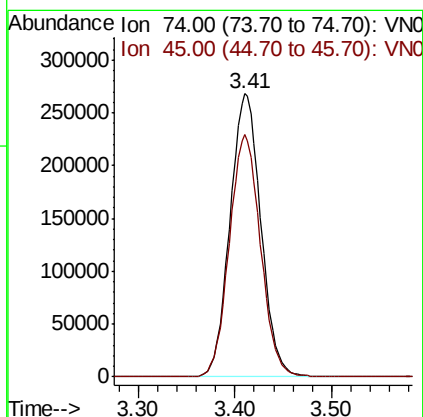
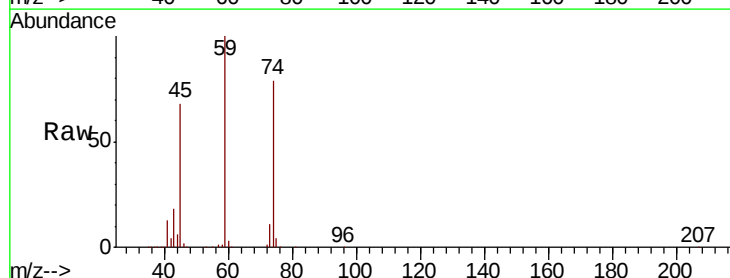
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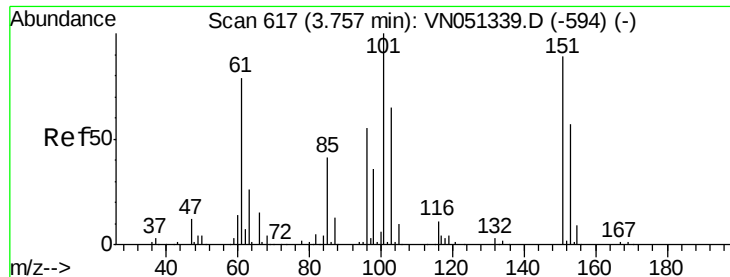


#8

Diethyl Ether
 Concen: 152.141 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion: 74 Resp: 594013
 Ion Ratio Lower Upper
 74 100
 45 86.2 44.1 132.4





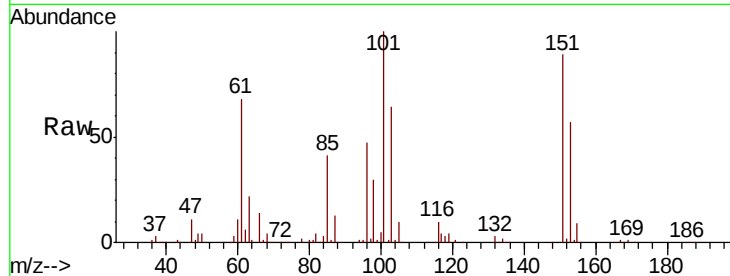
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 138.032 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

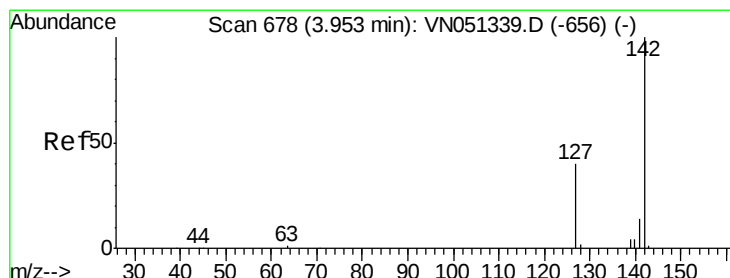
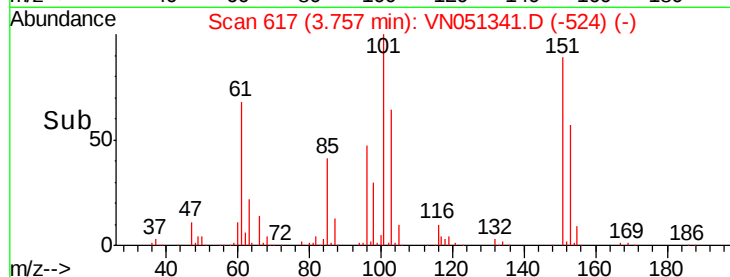
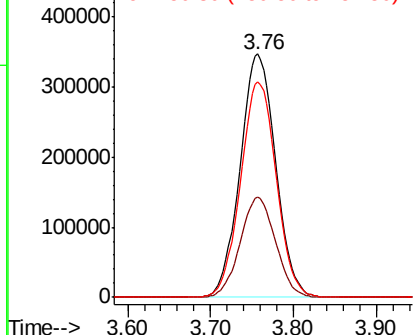
Tot Ion:101 Resp: 1033504
 Ion Ratio Lower Upper
 101 100
 85 41.0 33.4 50.2
 151 89.1 71.8 107.6

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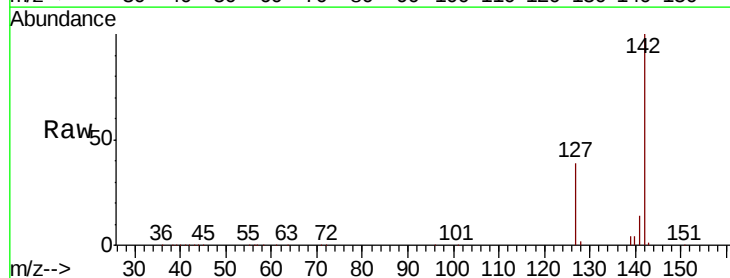


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

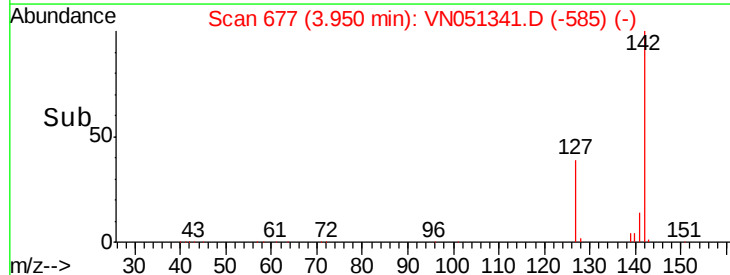
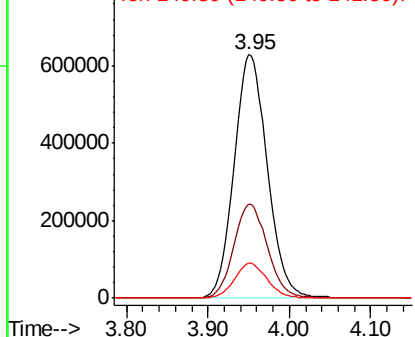


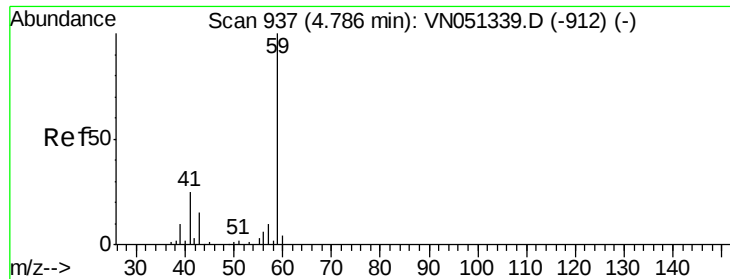
#10
 Methyl Iodide
 Concen: 160.171 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion:142 Resp: 1774886
 Ion Ratio Lower Upper
 142 100
 127 39.2 31.9 47.9
 141 14.2 11.4 17.0



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

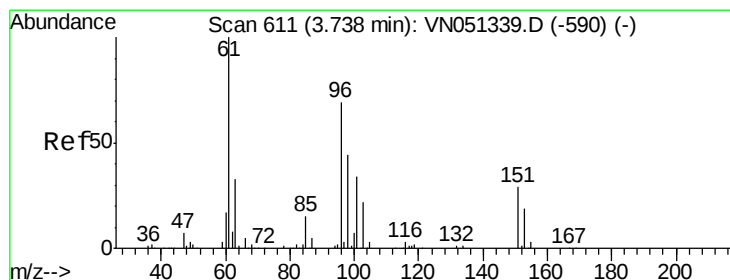
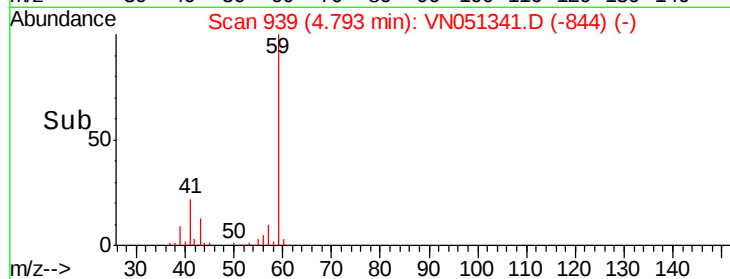
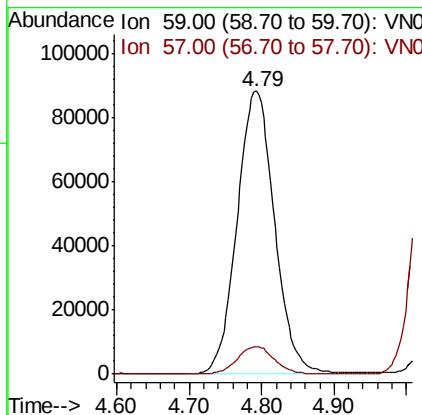
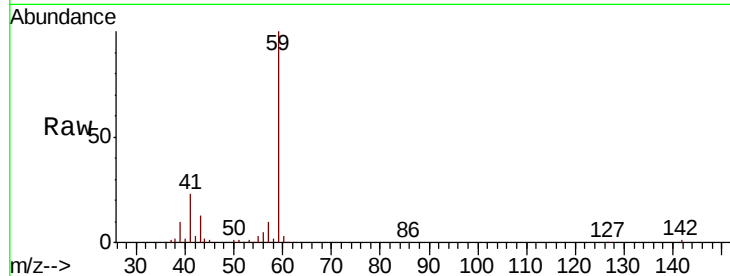
Tert butyl alcohol
 Concen: 763.046 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
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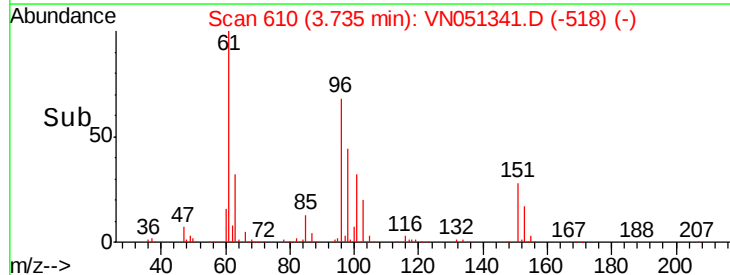
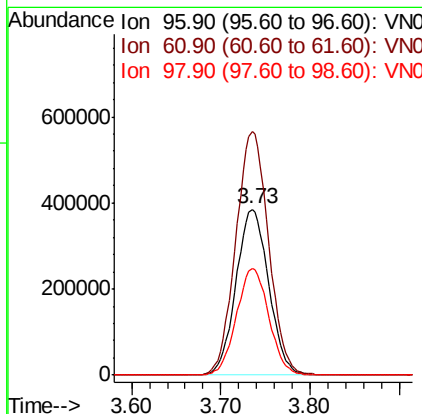
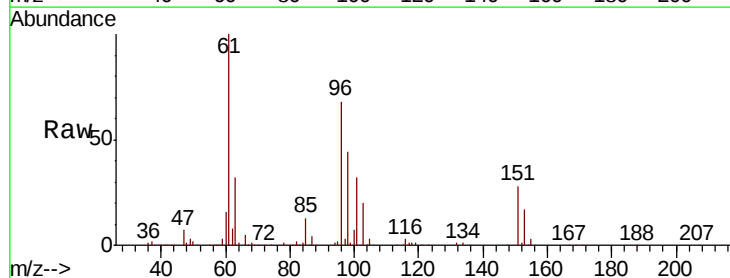
MMDadoda
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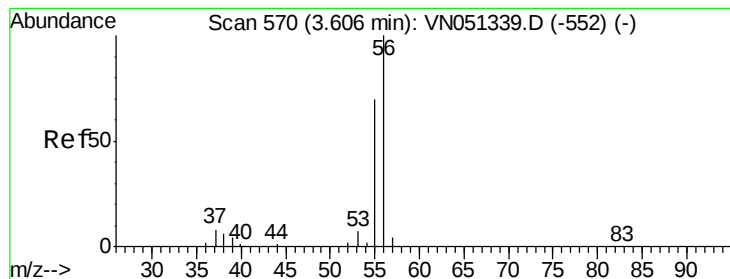


#12

1,1-Dichloroethene
 Concen: 144.458 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.7	116.4	174.6
98	63.9	50.9	76.3





#13

Acrolein

Concen: 838.353 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 399531

Ion Ratio Lower Upper

56 100

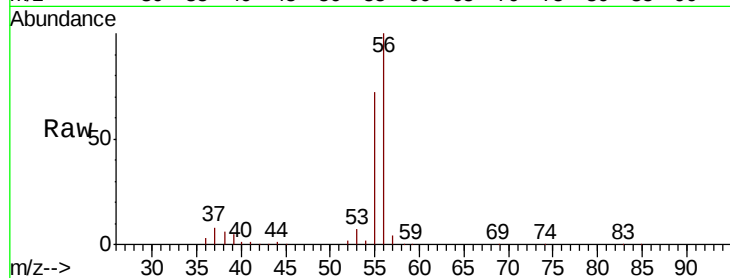
55 71.8 56.5 84.7

Manual Integrations

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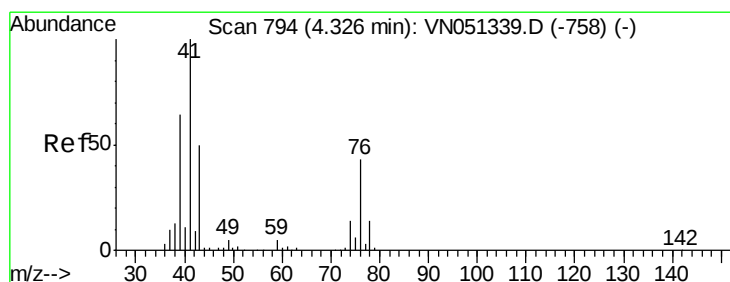
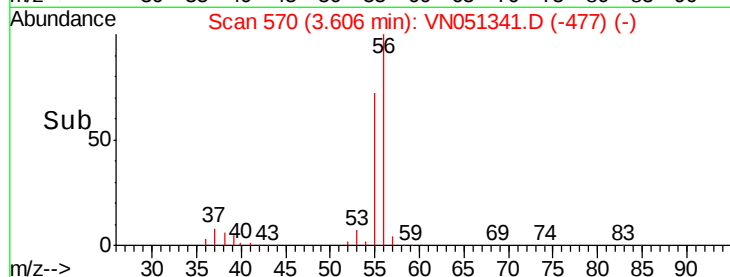
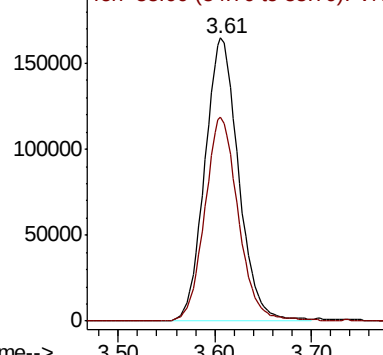
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 151.778 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

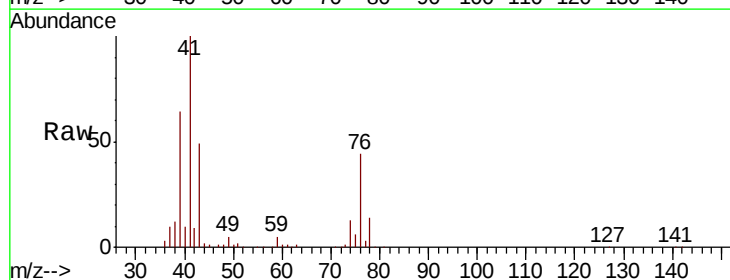
Tgt Ion: 41 Resp: 1450028

Ion Ratio Lower Upper

41 100

39 62.2 50.4 75.6

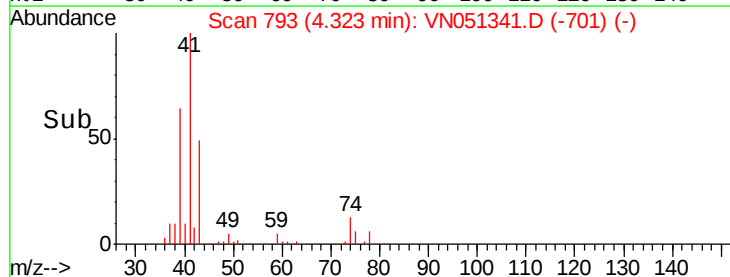
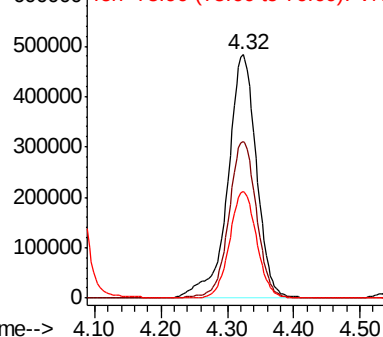
76 40.9 32.4 48.6

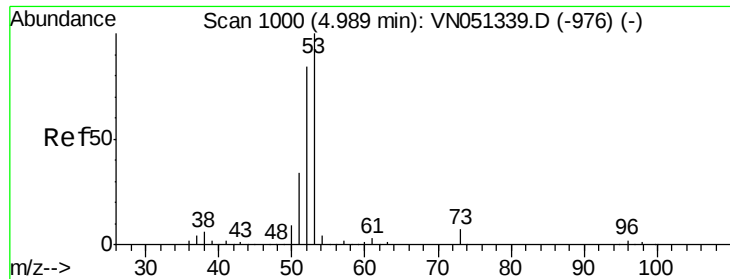


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





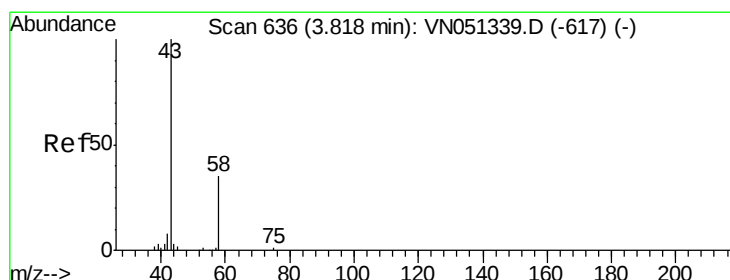
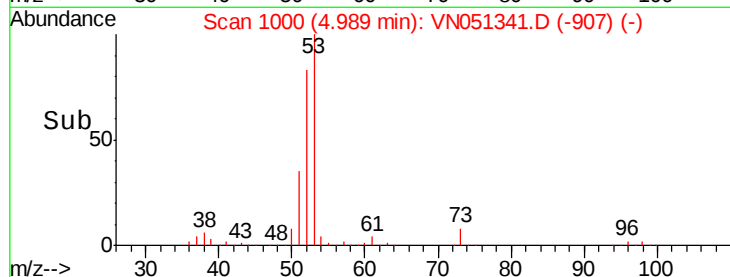
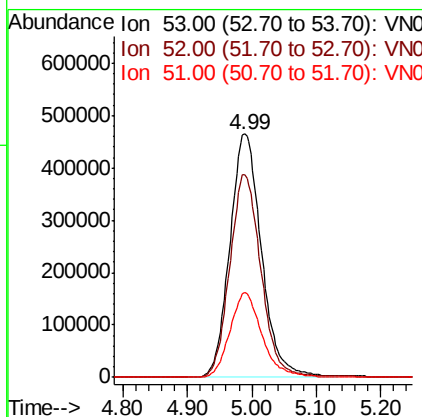
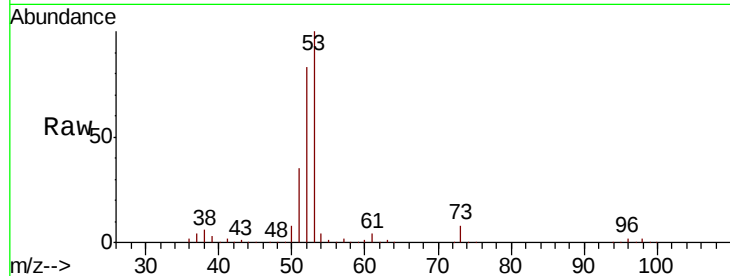
#15
 Acrylonitrile
 Concen: 754.425 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.0	65.4	98.0	
51	35.3	28.3	42.5	

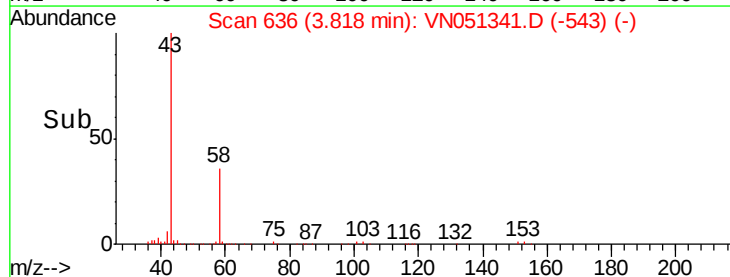
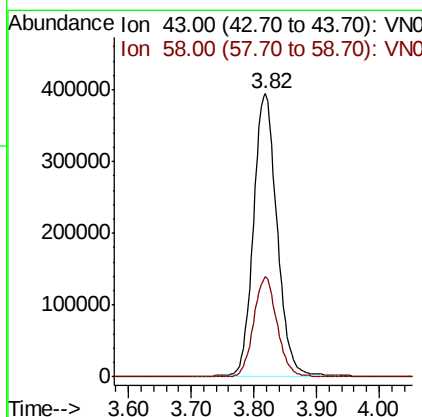
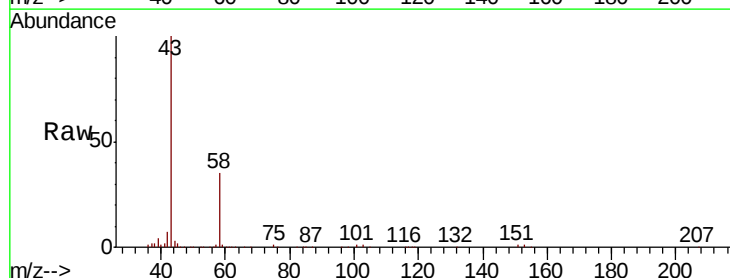
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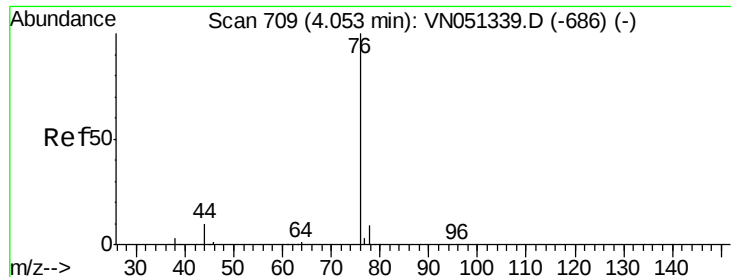
MMDadoda
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#16
 Acetone
 Concen: 644.878 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	35.4	28.3	42.5	





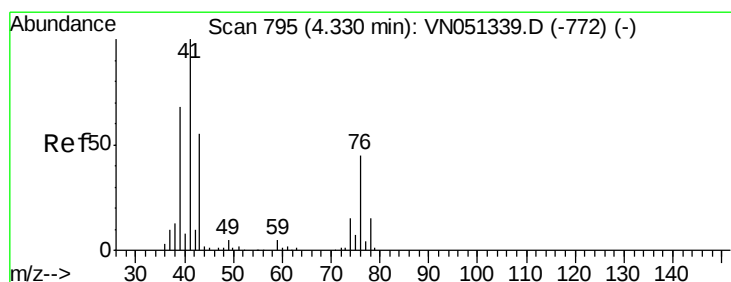
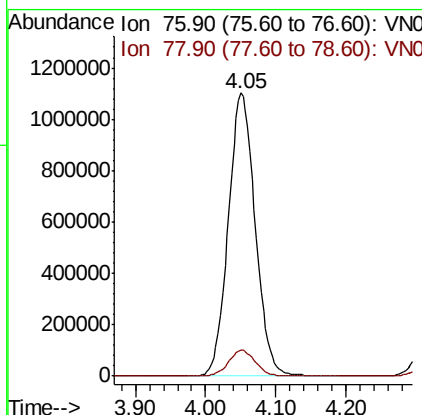
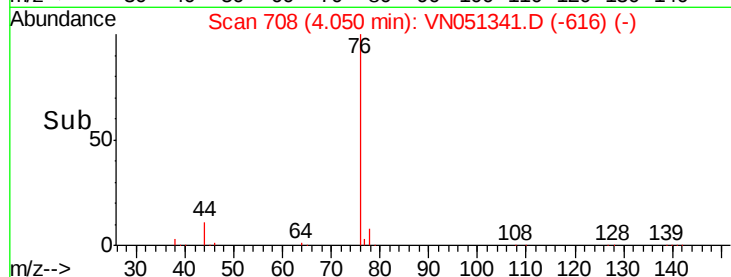
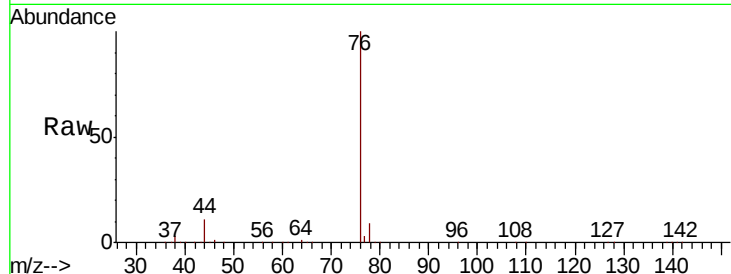
#17
Carbon Disulfide
Concen: 143.903 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2939017
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

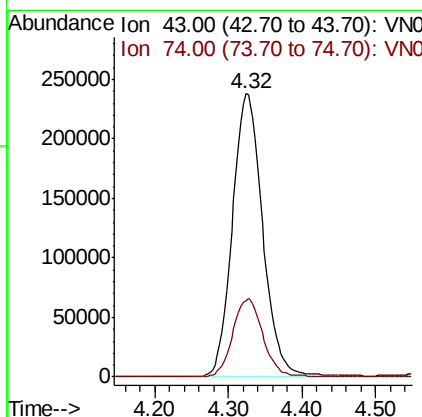
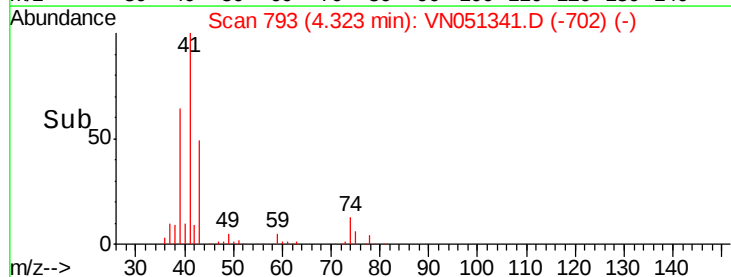
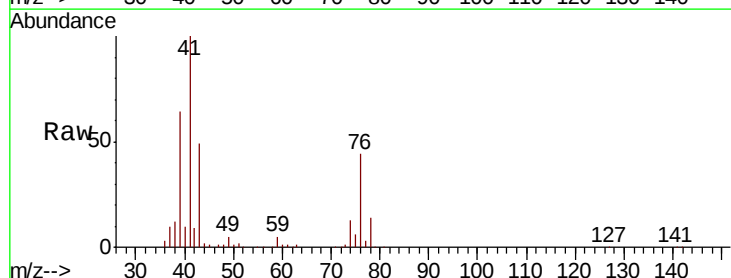
Manual Integrations
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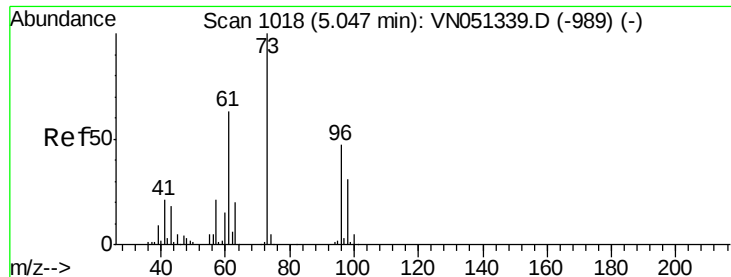
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#18
Methyl Acetate
Concen: 121.912 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 43 Resp: 675881
Ion Ratio Lower Upper
43 100
74 27.5 21.7 32.5





#19

Methyl tert-butyl Ether

Concen: 156.775 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Tot Ion: 73 Resp: 2571820

Ion Ratio Lower Upper

73 100

57 21.5 16.9 25.3

Instrument :

MSVOA_N

ClientSampleId :

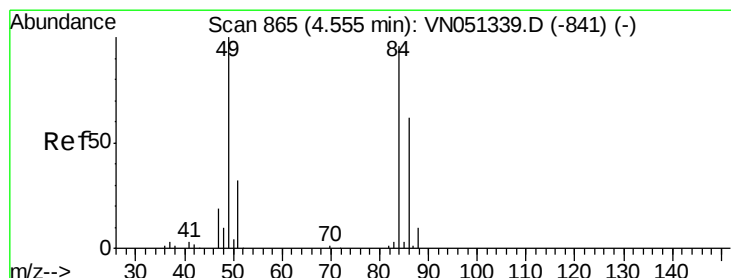
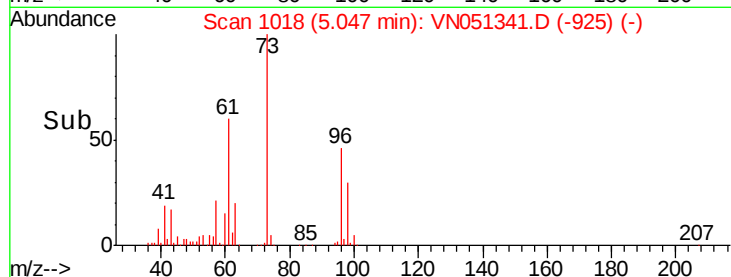
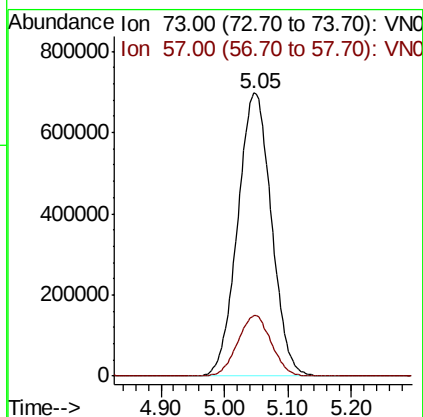
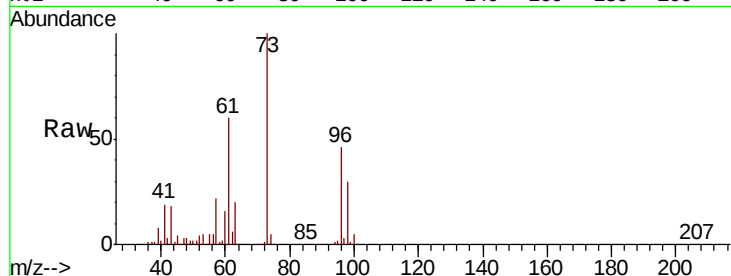
VSTDIC150

Manual Integrations

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#20

Methylene Chloride

Concen: 136.439 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.01 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Tgt Ion: 84 Resp: 1101489

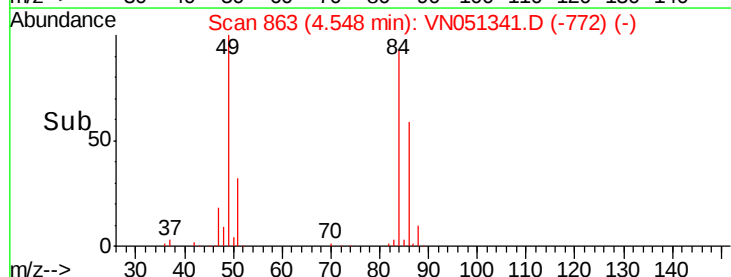
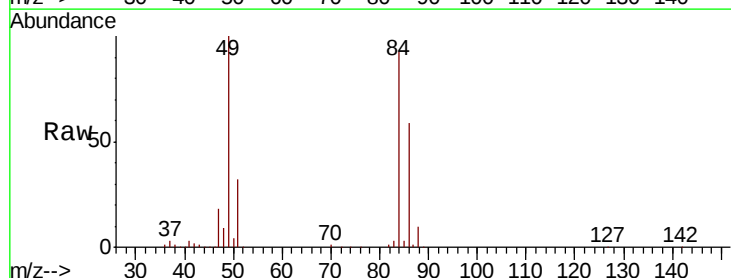
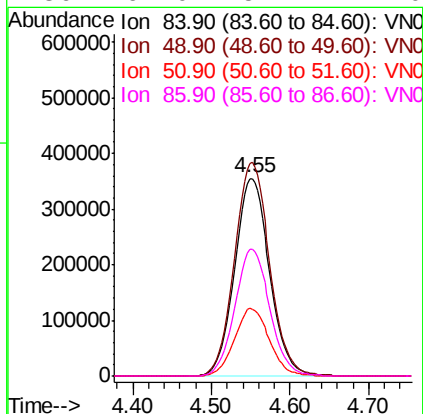
Ion Ratio Lower Upper

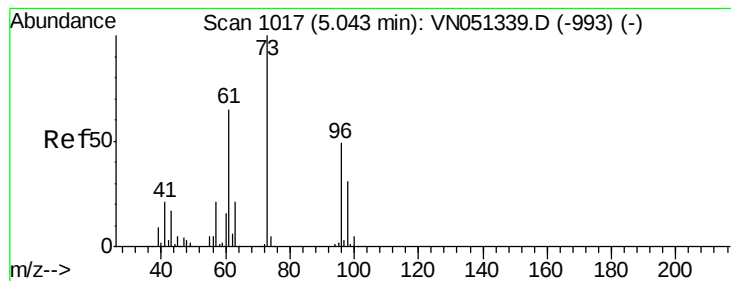
84 100

49 107.6 83.2 124.8

51 34.1 26.4 39.6

86 64.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 146.617 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1049599

Ion Ratio Lower Upper

96 100

61 128.7 106.2 159.4

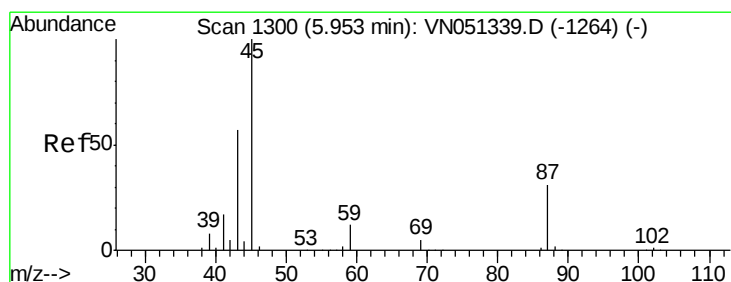
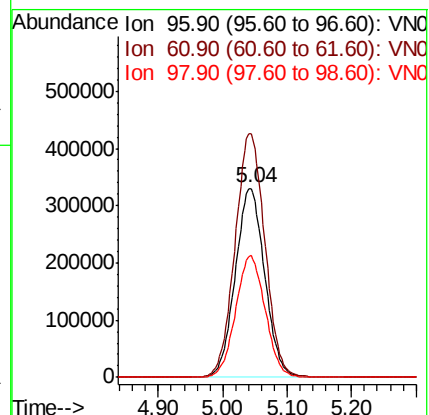
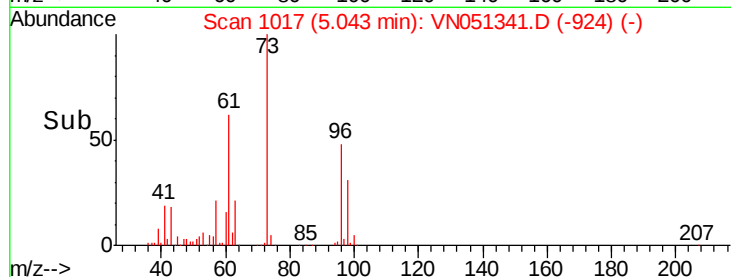
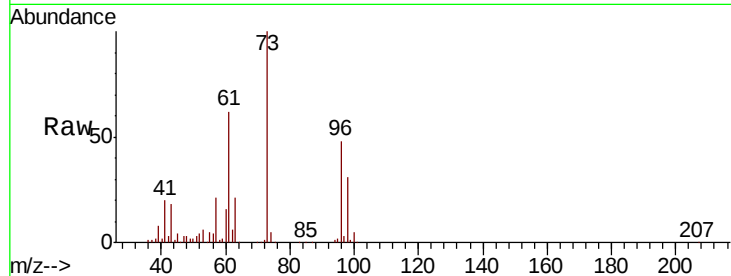
98 64.4 51.0 76.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 150.281 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Tgt Ion: 45 Resp: 2836051

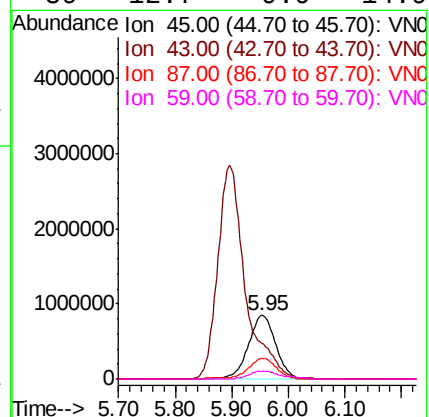
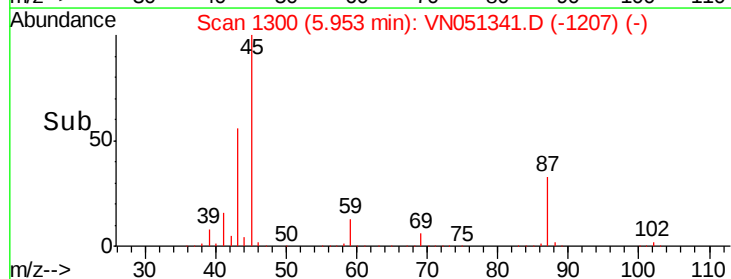
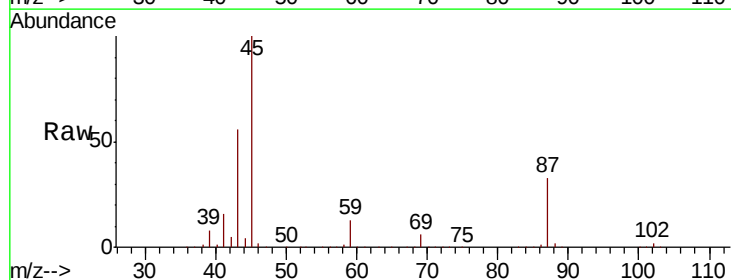
Ion Ratio Lower Upper

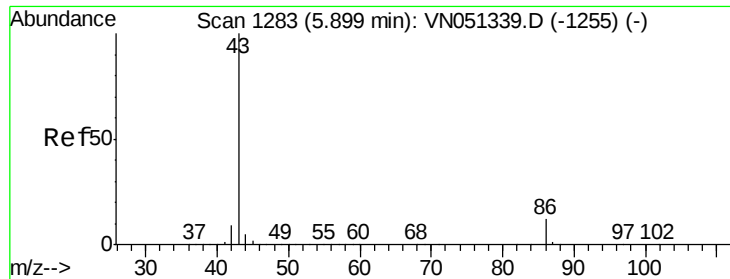
45 100

43 55.4 46.1 69.1

87 32.8 25.6 38.4

59 12.7 9.9 14.9





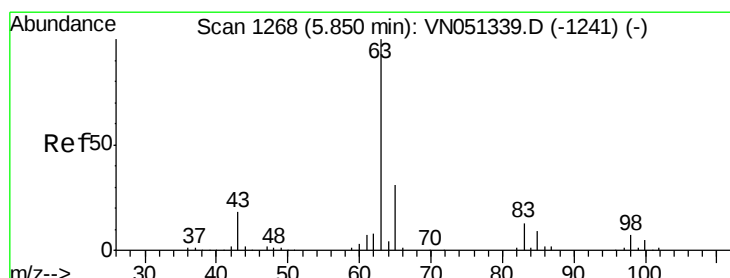
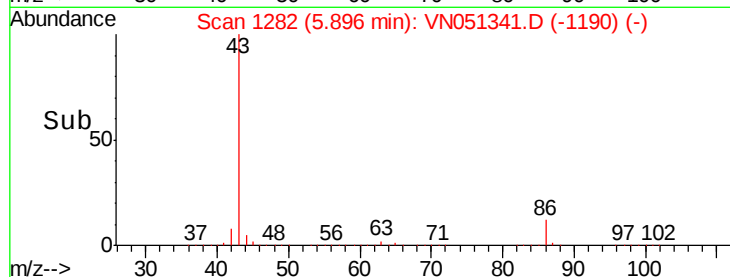
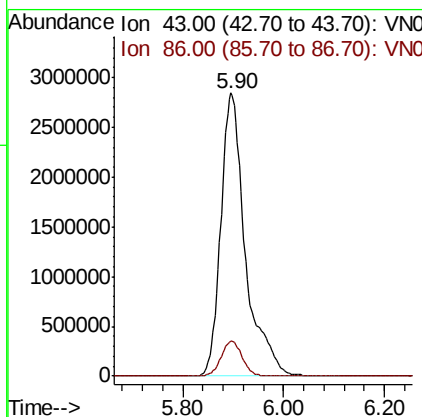
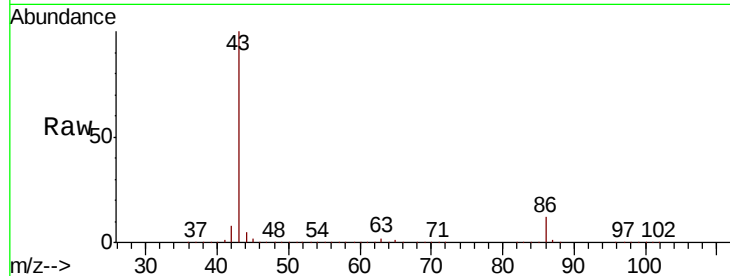
#23
 Vinyl Acetate
 Concen: 788.456 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 9624514
 Ion Ratio Lower Upper
 43 100
 86 12.2 9.8 14.6

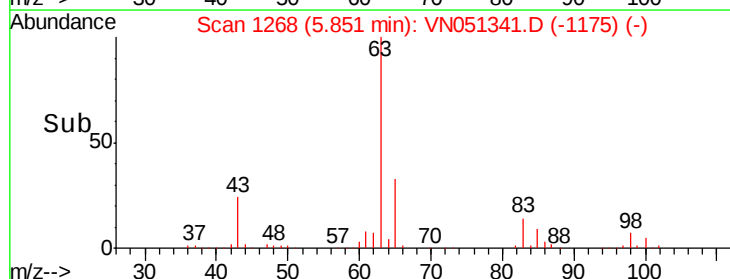
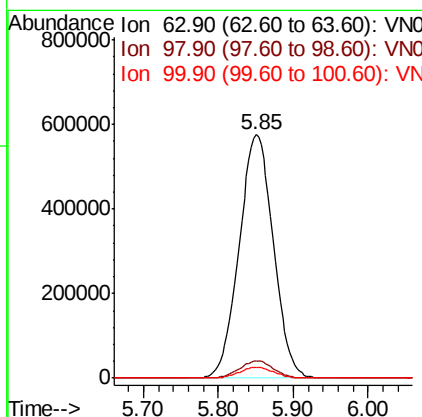
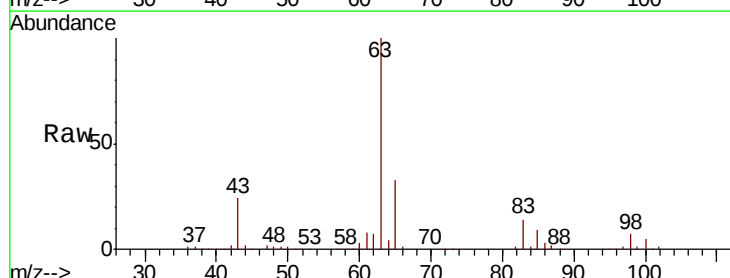
Manual Integrations
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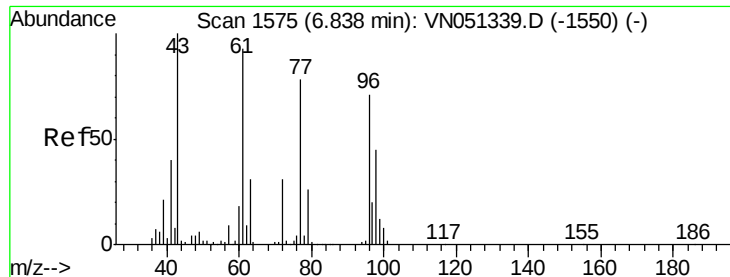
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 142.144 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion: 63 Resp: 1828558
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.2
 100 4.5 2.3 6.9





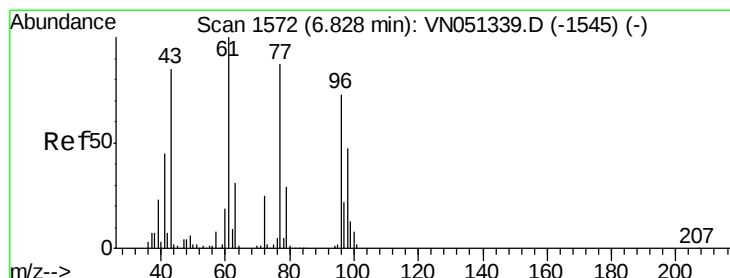
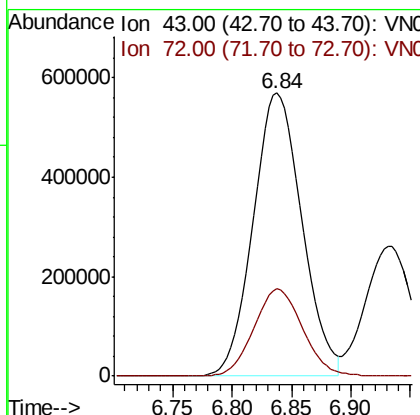
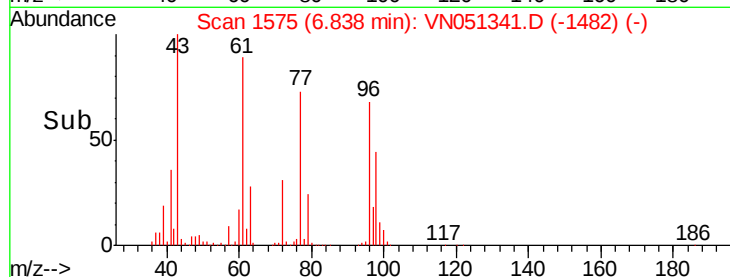
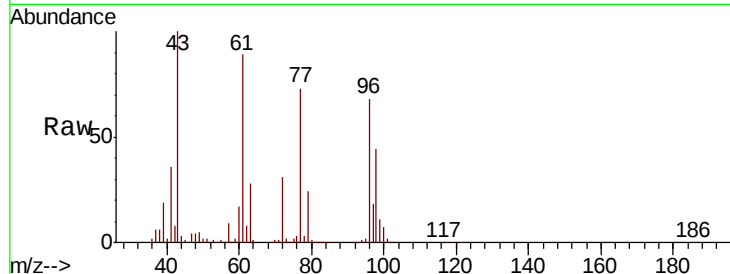
#25
2-Butanone
Concen: 718.271 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1611794
Ion Ratio Lower Upper
43 100
72 30.9 24.7 37.1

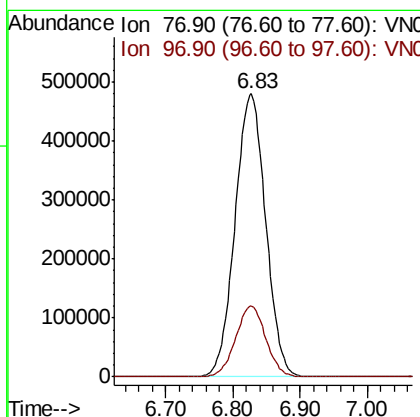
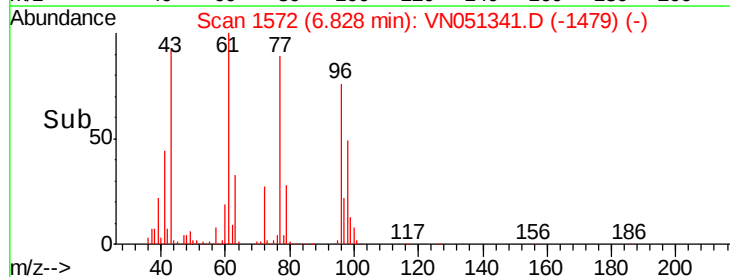
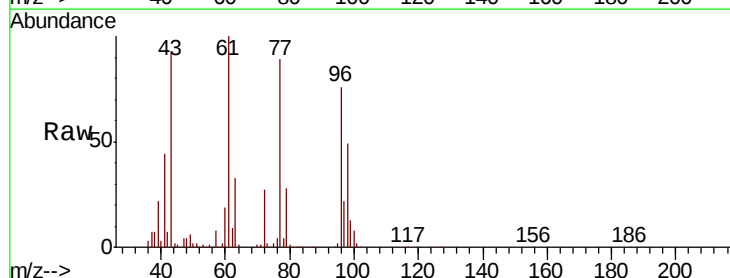
Manual Integrations
APPROVED

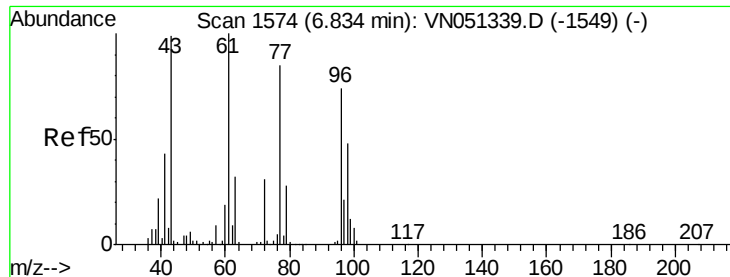
MMDadoda
9/24/2018 2:48:13 PM



#26
2,2-Dichloropropane
Concen: 142.717 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 77 Resp: 1517049
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 151.239 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1199746

Ion Ratio Lower Upper

96 100

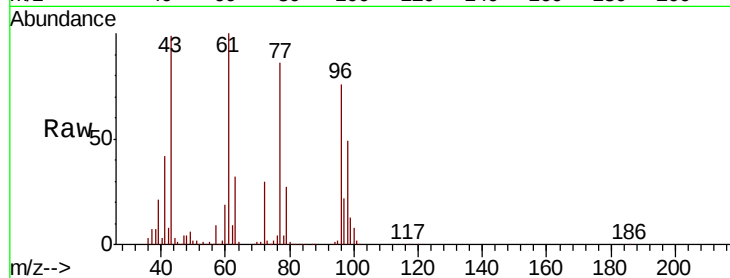
61 133.1 0.0 271.2

98 64.5 0.0 131.2

Manual Integrations
APPROVED

MMDadoda

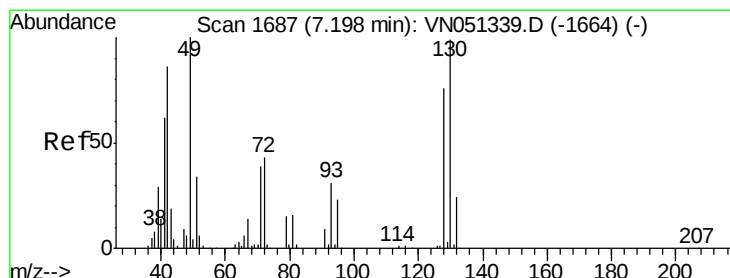
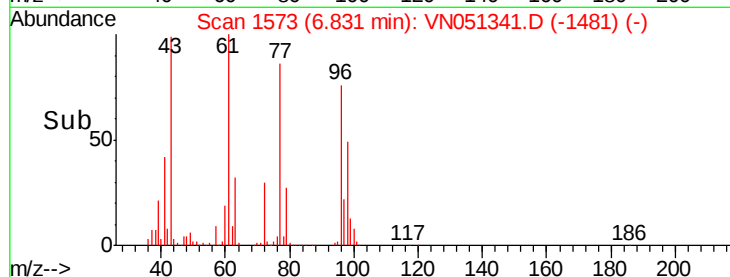
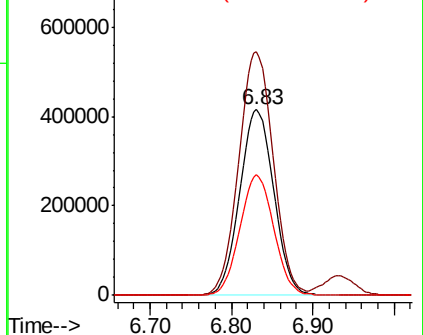
9/24/2018 2:48:13 PM



Abundance Ion 95.90 (95.60 to 96.60): VN051339.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051339.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051339.D (-1549) (-)



#28

Bromochloromethane

Concen: 151.347 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

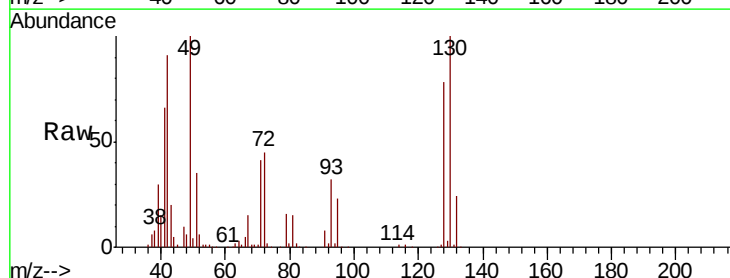
Tgt Ion: 49 Resp: 806930

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.0

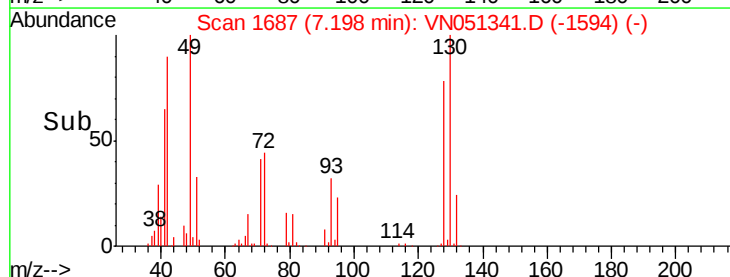
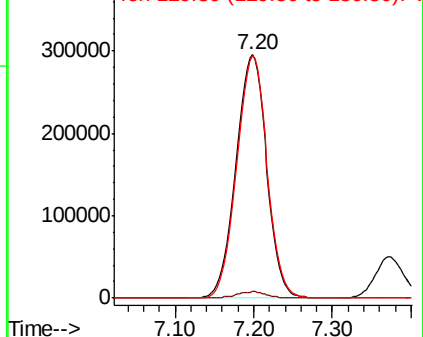
130 98.8 77.4 116.2

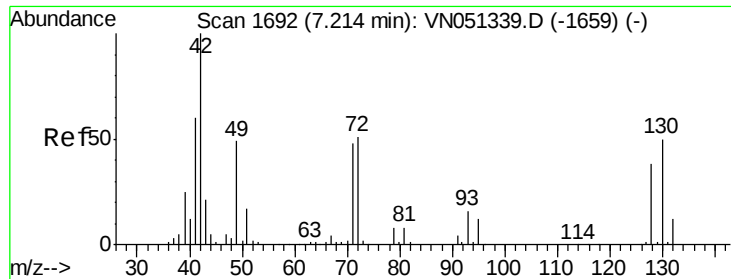


Abundance Ion 48.90 (48.60 to 49.60): VN051339.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN051339.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN051339.D (-1664) (-)





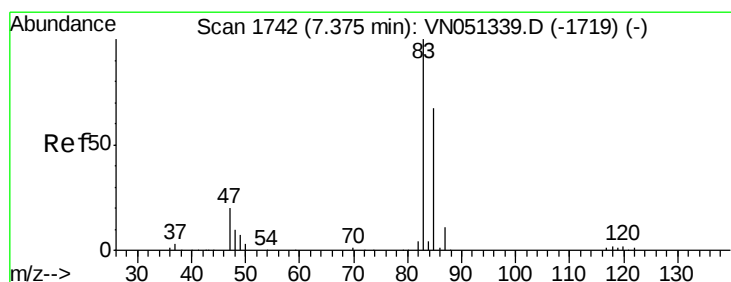
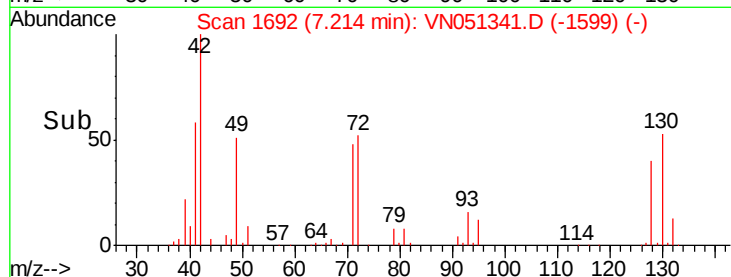
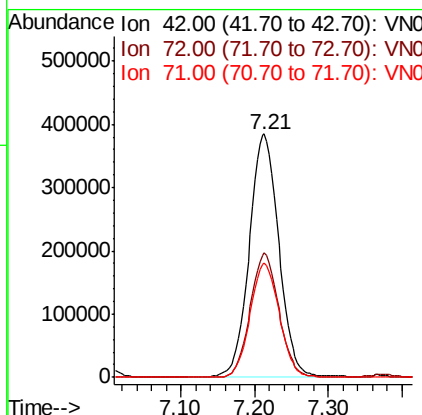
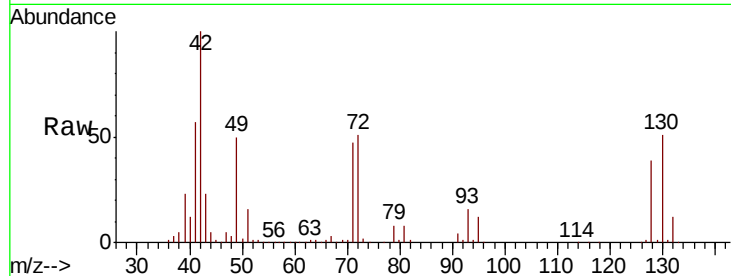
#29
Tetrahydrofuran
Concen: 754.111 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1072085
Ion Ratio Lower Upper
42 100
72 49.7 39.0 58.4
71 46.4 36.5 54.7

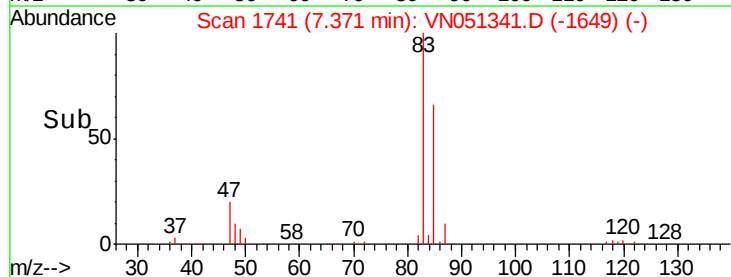
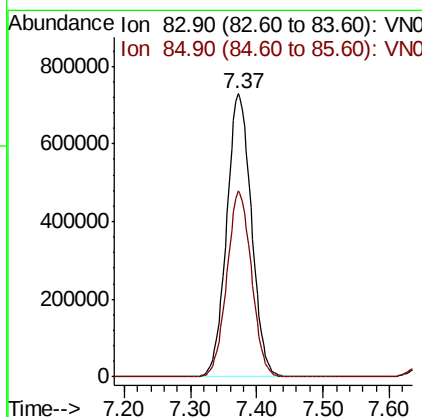
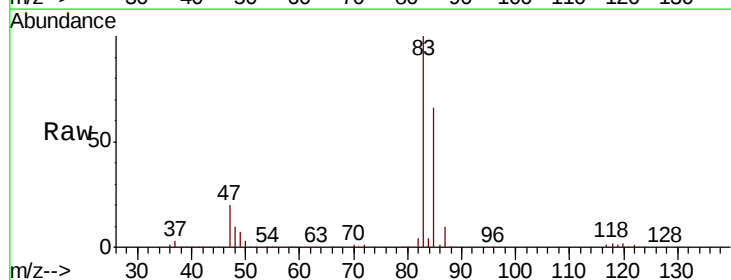
Manual Integrations
APPROVED

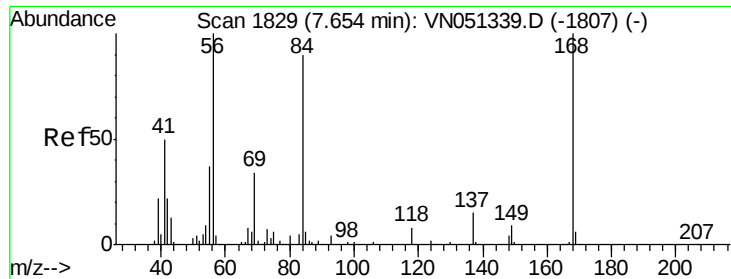
MMDadoda
9/24/2018 2:48:13 PM



#30
Chloroform
Concen: 139.433 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 83 Resp: 1885027
Ion Ratio Lower Upper
83 100
85 65.6 53.2 79.8





#31

Cyclohexane

Concen: 131.675 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1666623

Ion Ratio Lower Upper

56 100

69 32.5 27.3 40.9

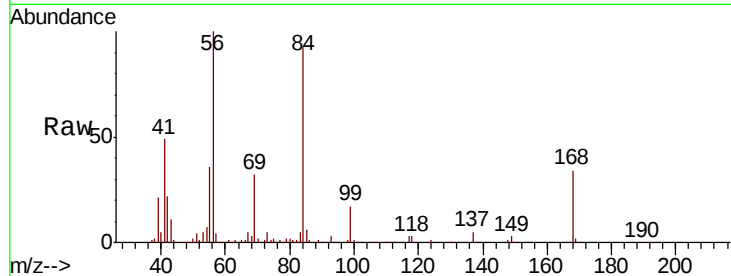
84 91.2 72.2 108.2

Manual Integrations

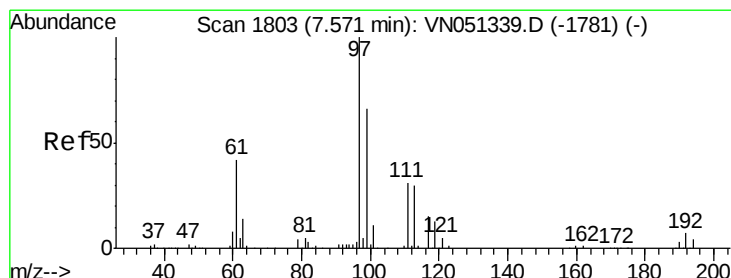
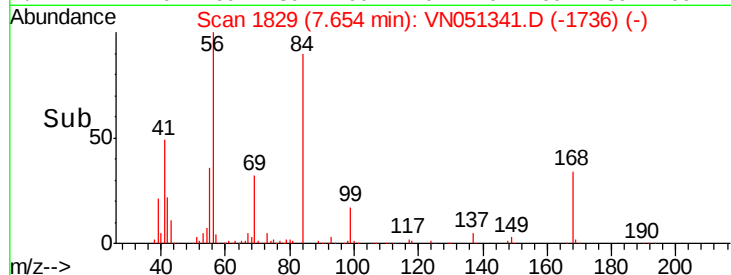
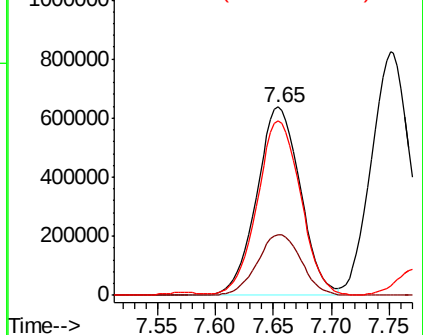
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 143.320 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

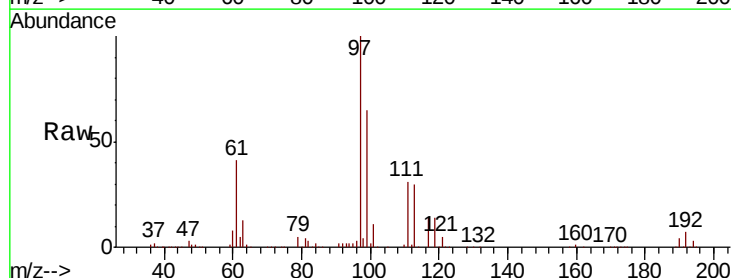
Tgt Ion: 97 Resp: 1669422

Ion Ratio Lower Upper

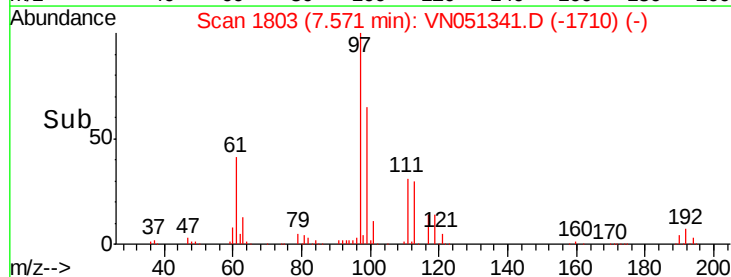
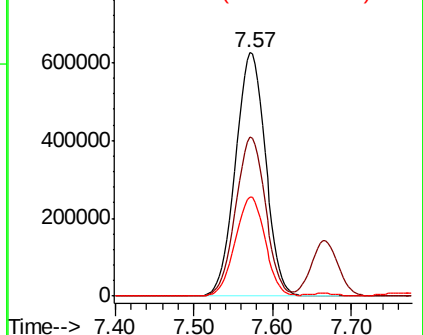
97 100

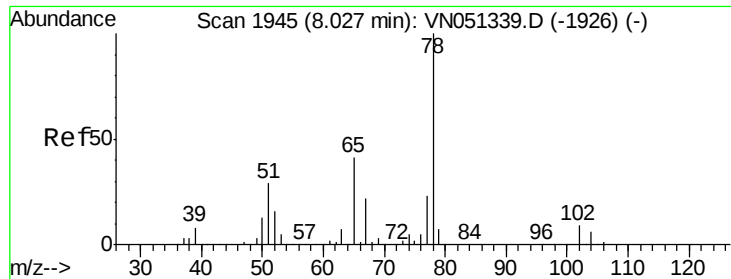
99 65.1 51.1 76.7

61 40.7 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





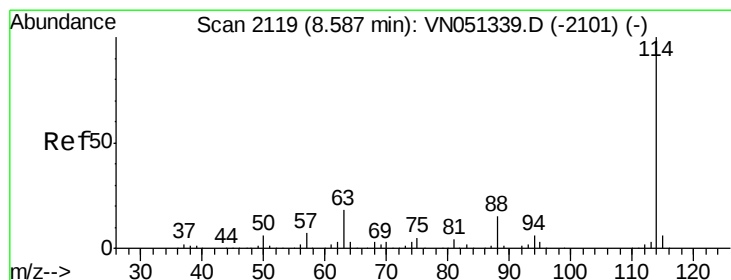
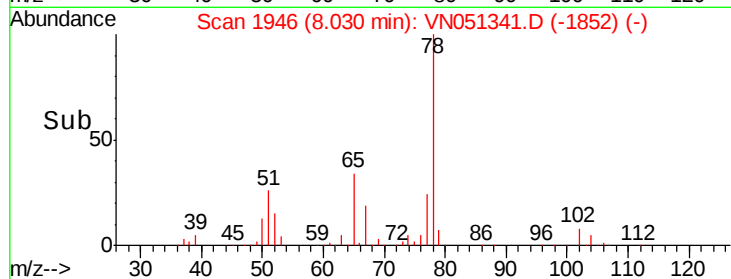
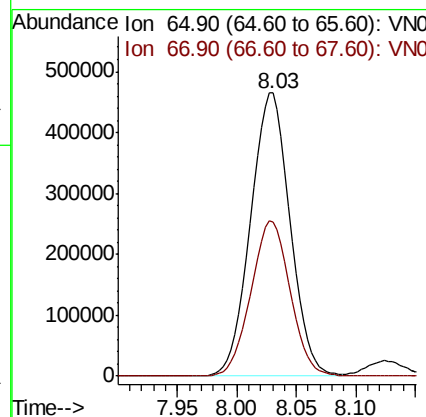
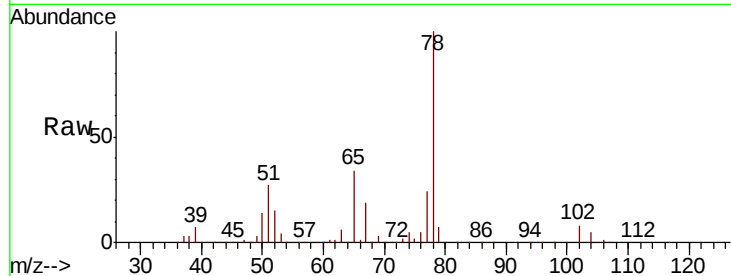
#33
 1,2-Dichloroethane-d4
 Concen: 136.026 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 65 Resp: 1068333
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.8

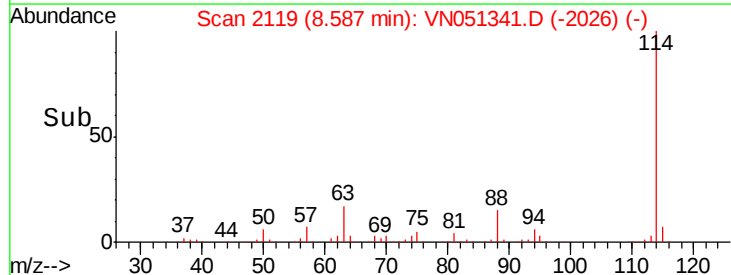
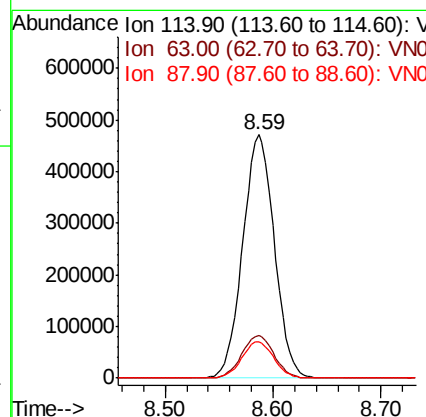
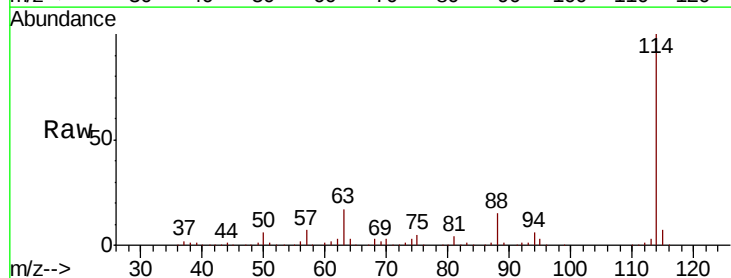
Manual Integrations
 APPROVED

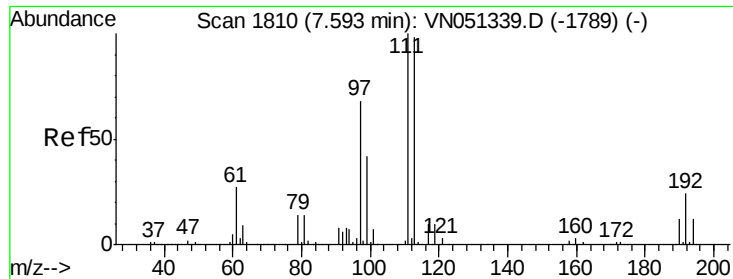
MMDadoda
 9/24/2018 2:48:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion: 114 Resp: 960370
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.6
 88 15.1 0.0 29.8





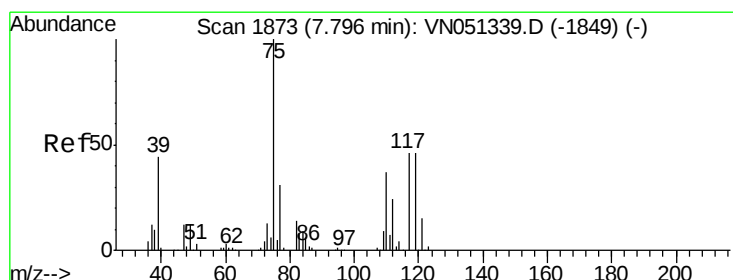
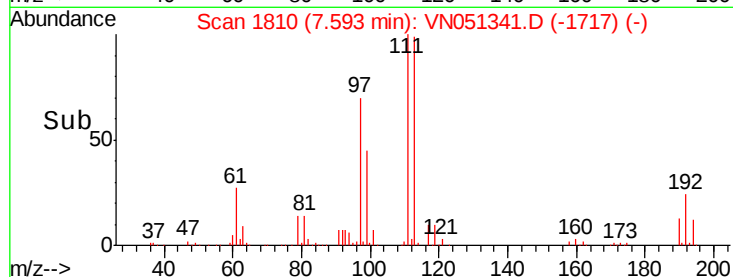
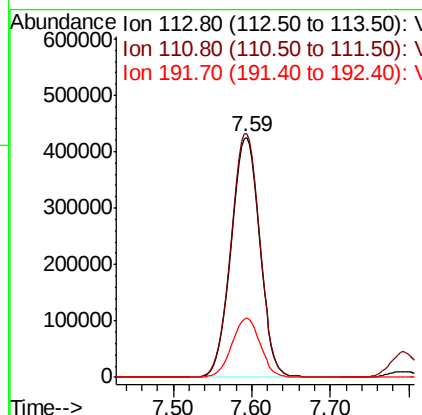
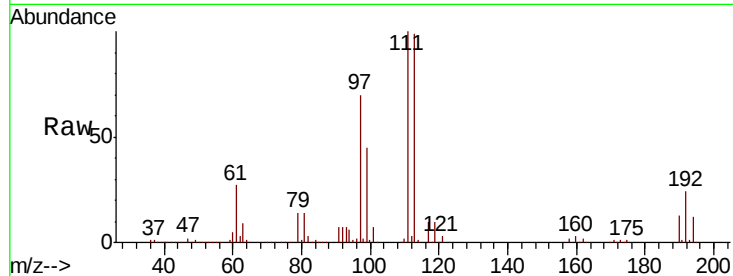
#35
 Dibromofluoromethane
 Concen: 138.974 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	24.4	19.8	29.6

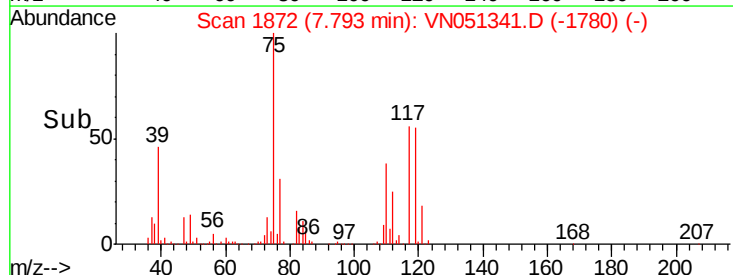
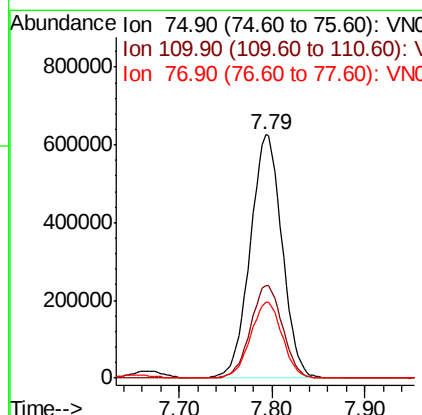
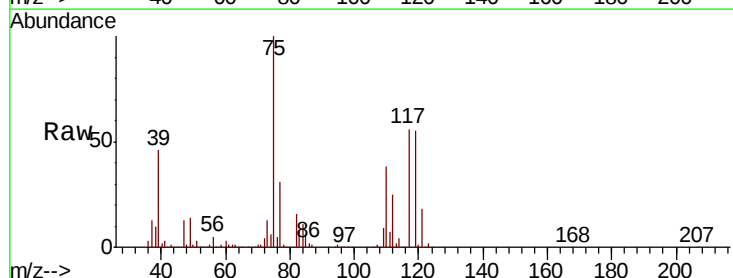
Manual Integrations
 APPROVED

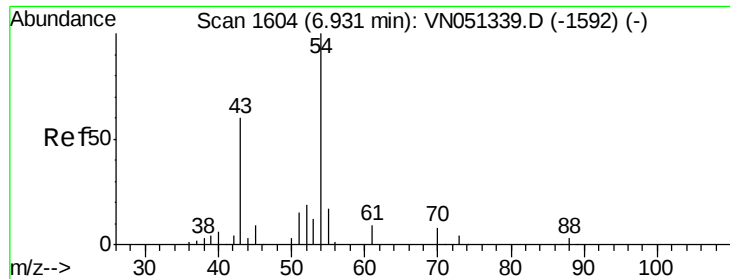
MMDadoda
 9/24/2018 2:48:13 PM



#36
 1,1-Dichloropropene
 Concen: 151.119 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.9	56.5
77	31.2	25.4	38.2





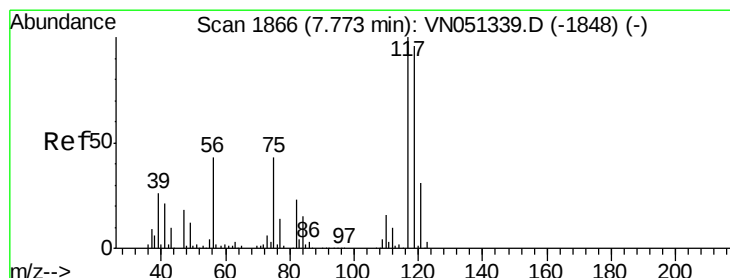
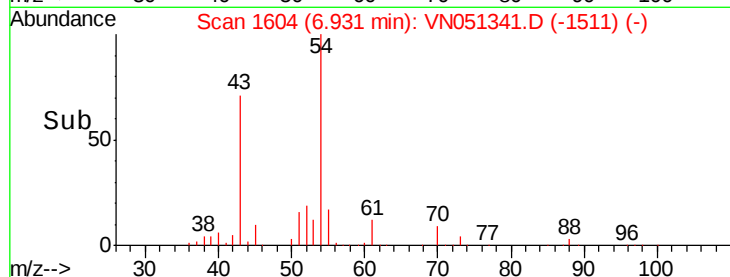
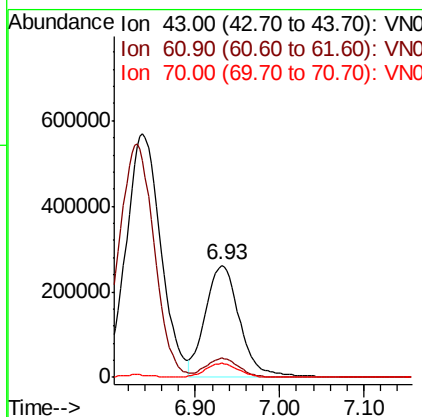
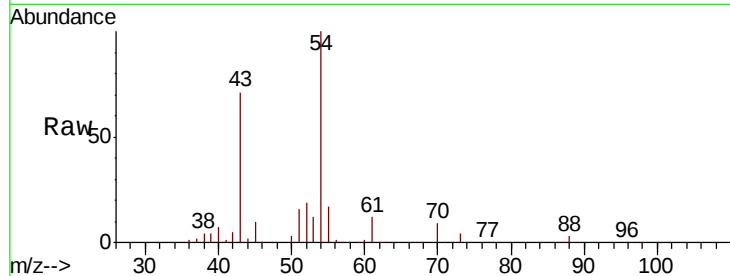
#37
Ethyl Acetate
Concen: 151.712 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.6	20.4
70	12.1	9.4	14.2

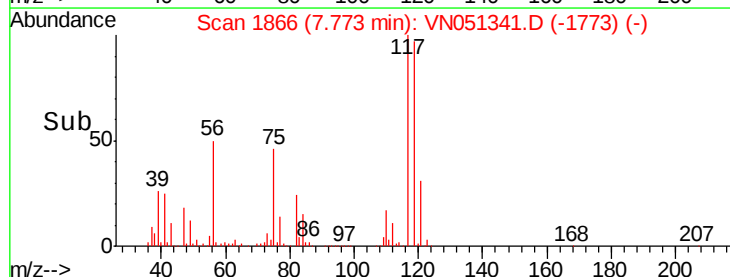
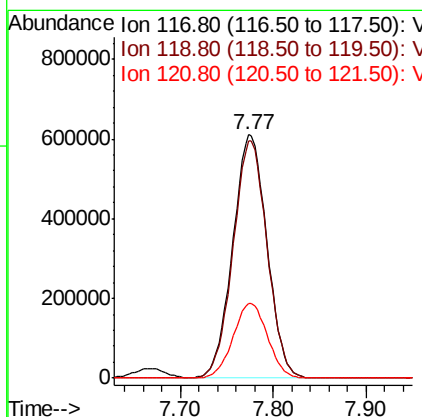
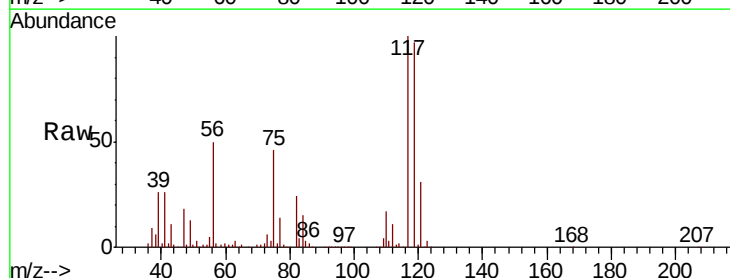
Manual Integrations
APPROVED

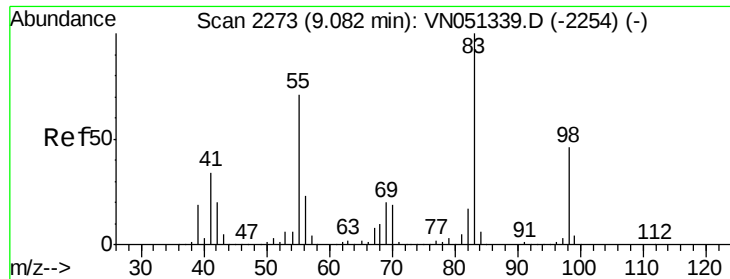
MMDadoda
9/24/2018 2:48:13 PM



#38
Carbon Tetrachloride
Concen: 146.623 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.0	115.4
121	30.8	25.0	37.4





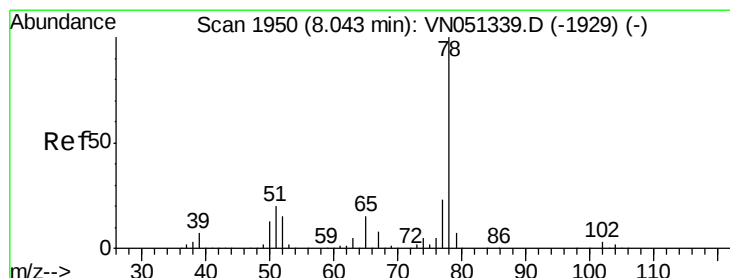
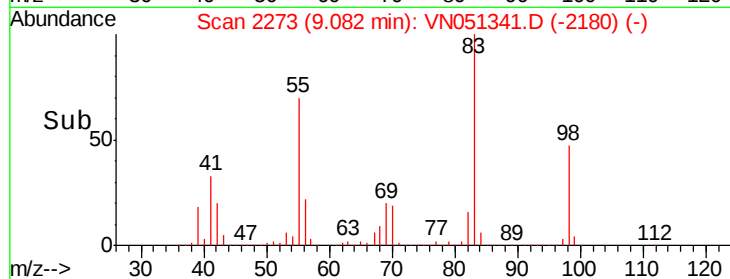
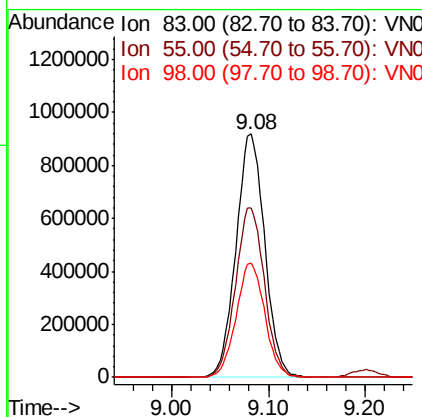
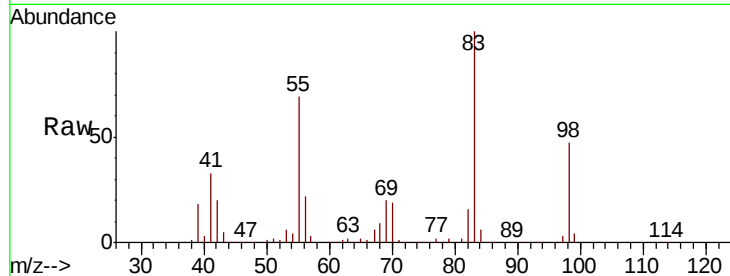
#39
Methvlcvclohexane
Concen: 165.521 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1897660
Ion Ratio Lower Upper
83 100
55 69.5 56.5 84.7
98 46.9 36.7 55.1

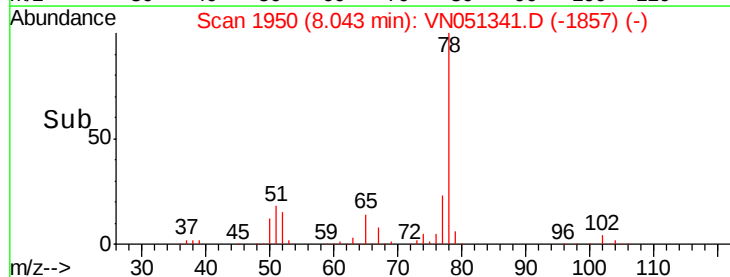
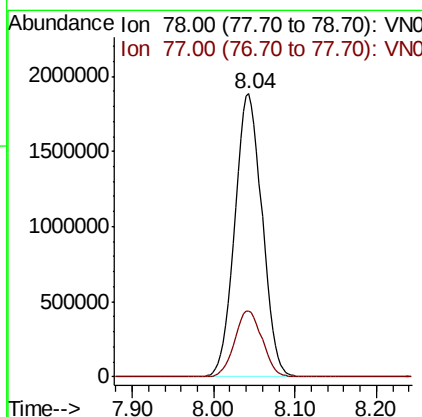
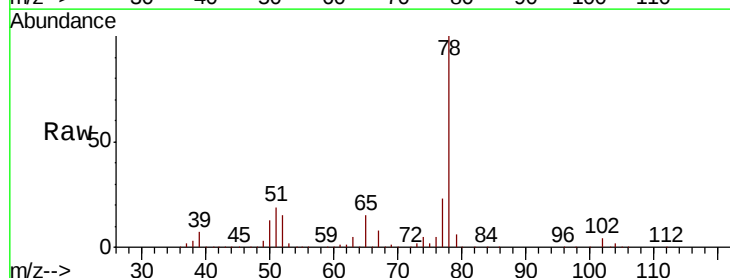
Manual Integrations
APPROVED

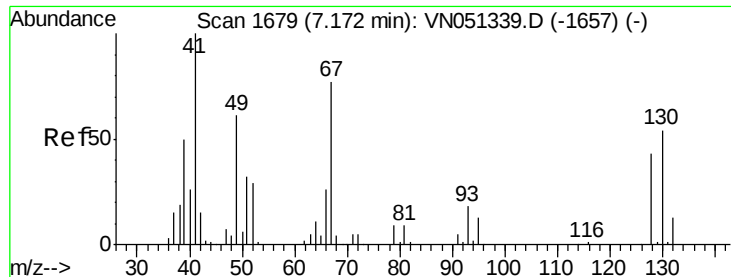
MMDadoda
9/24/2018 2:48:13 PM



#40
Benzene
Concen: 148.114 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 78 Resp: 4384050
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7





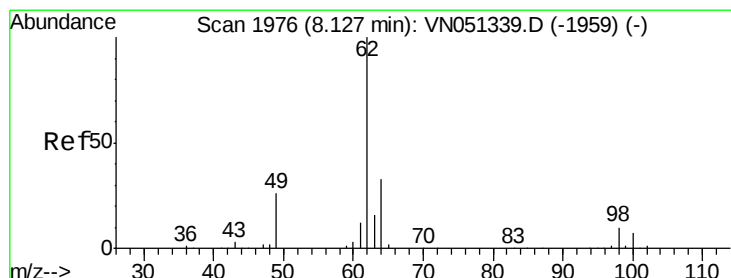
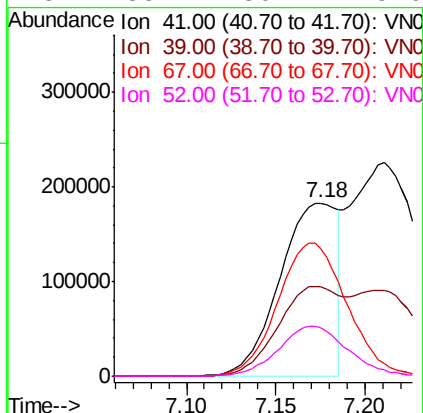
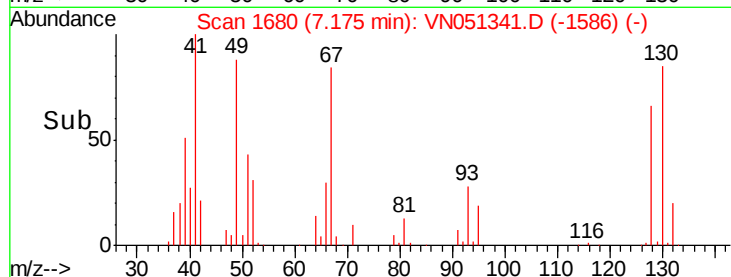
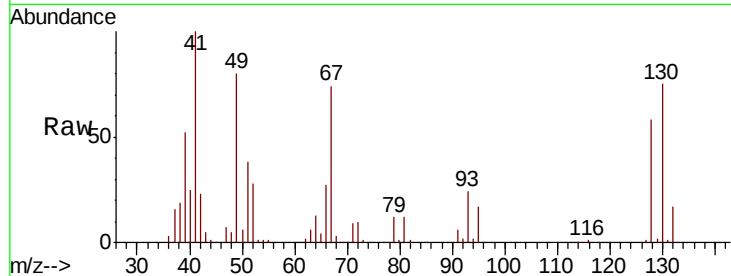
#41
Methacrylonitrile
Concen: 160.164 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.4	51.3	76.9
67	94.3	77.0	115.4
52	35.1	30.4	45.6

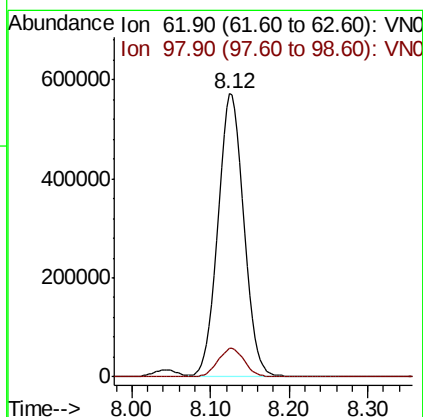
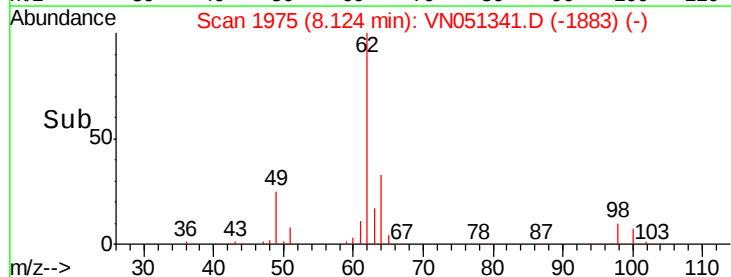
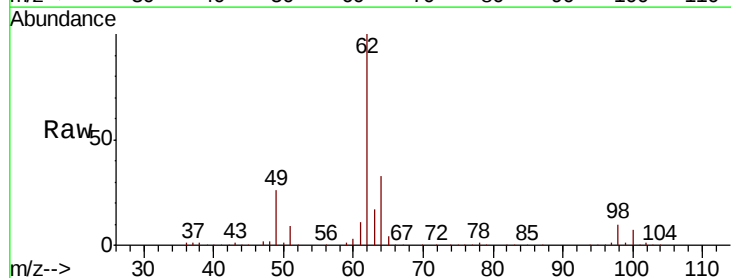
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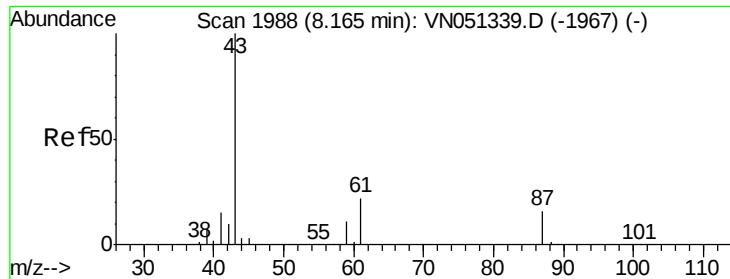
MMDadoda
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#42
1,2-Dichloroethane
Concen: 144.719 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 159.056 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1354693

Ion Ratio Lower Upper

43 100

61 33.3 18.1 27.1#

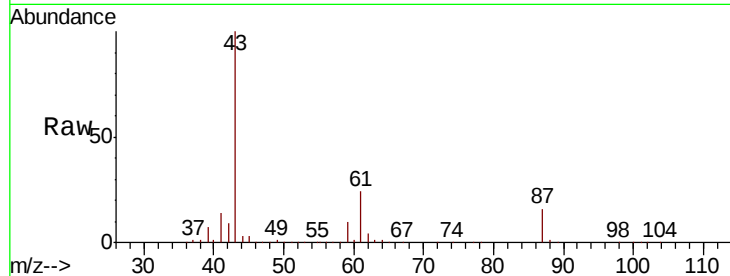
87 15.9 12.8 19.2

Manual Integrations

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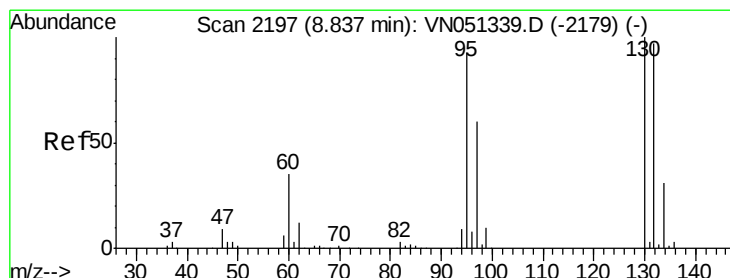
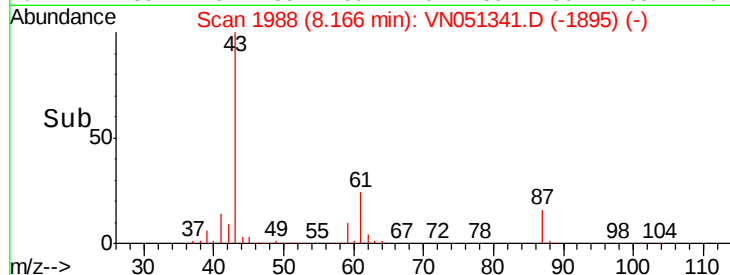
Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051339.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051339.D (-1967) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 149.892 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051341.D

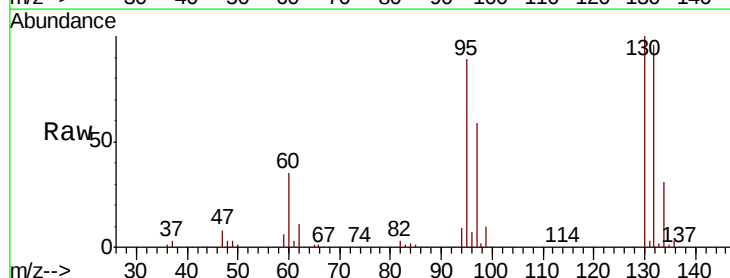
Acq: 20 Sep 2018 15:30

Tgt Ion:130 Resp: 1273607

Ion Ratio Lower Upper

130 100

95 89.1 0.0 185.6

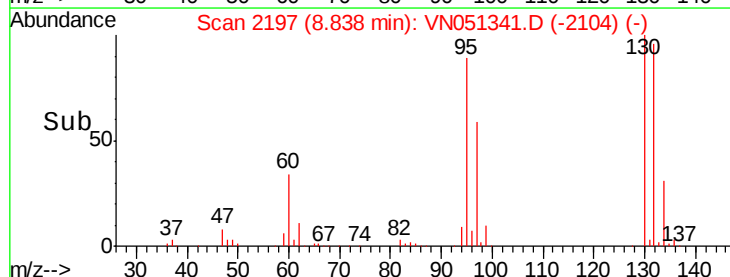


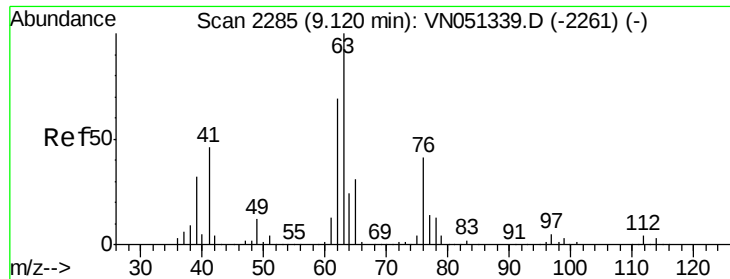
Abundance Ion 129.80 (129.50 to 130.50): VN051339.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051339.D (-2179) (-)

8.84

Time-->





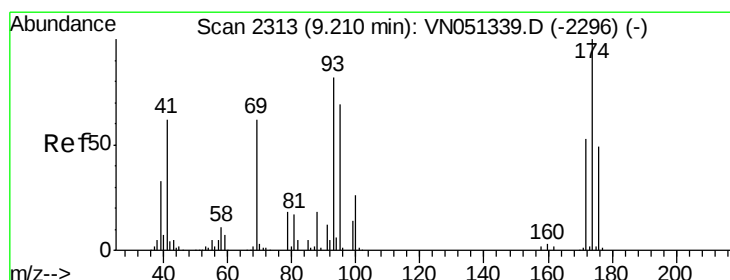
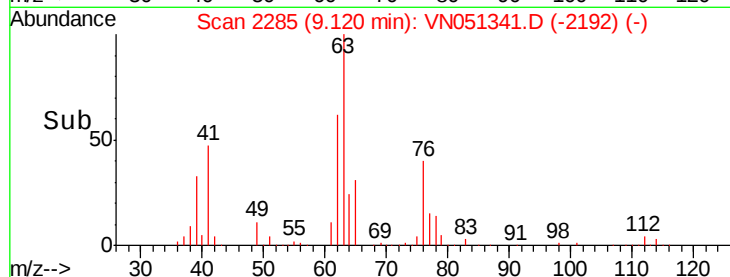
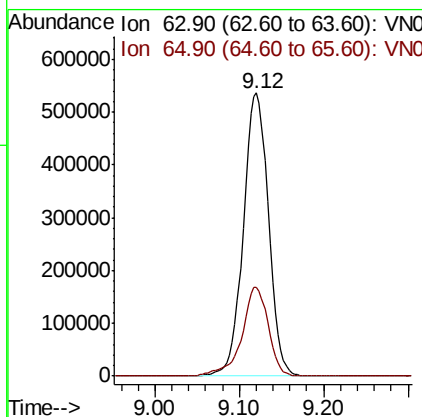
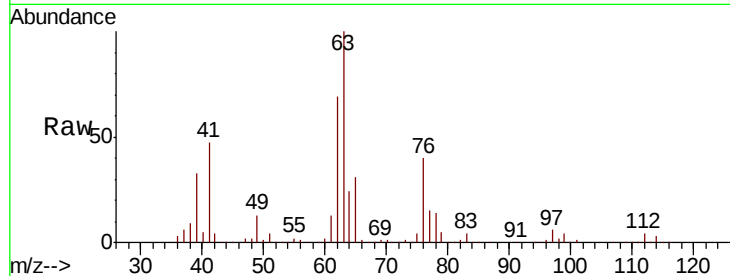
#45
 1,2-Dichloropropane
 Concen: 147.160 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 63 Resp: 1114622
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

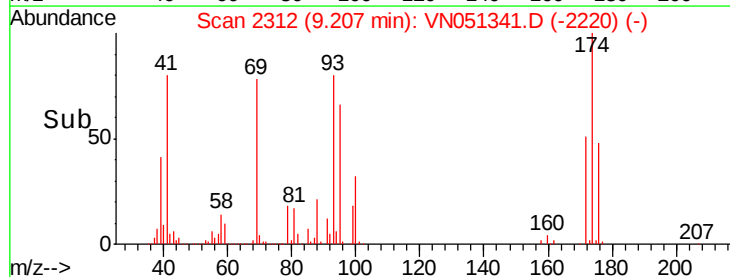
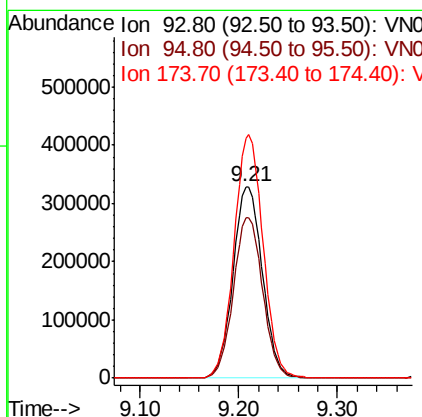
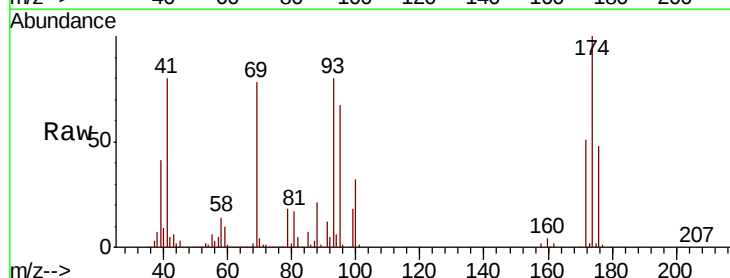
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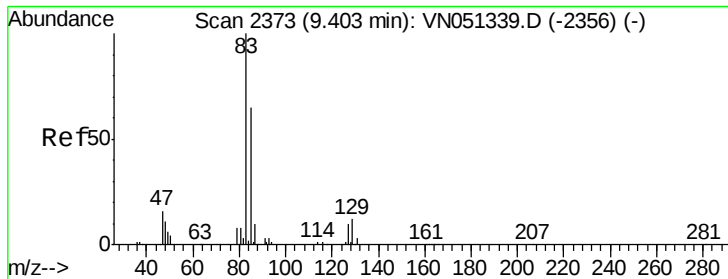
MMDadoda
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#46
 Dibromomethane
 Concen: 146.051 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion: 93 Resp: 681932
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.6 101.4
 174 125.0 98.9 148.3





#47

Bromodichloromethane

Concen: 148.069 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1474688

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

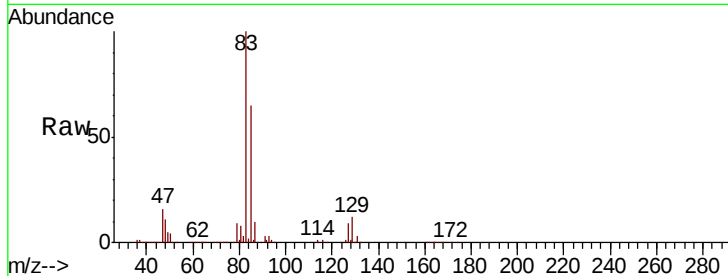
127 9.4 7.8 11.6

Manual Integrations

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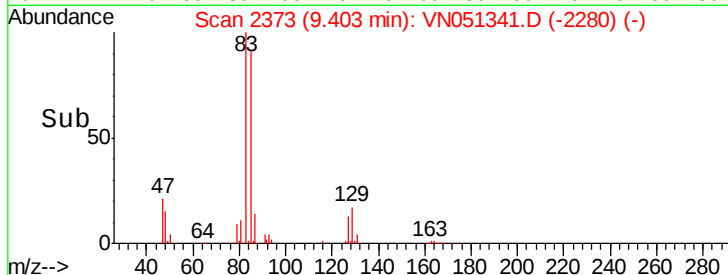


Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051339.D (-2356) (-)

Time-->

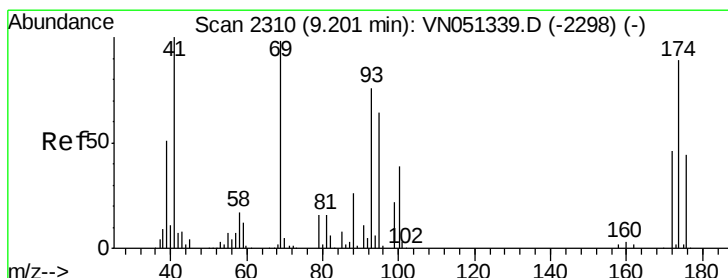


Abundance Ion 82.90 (82.60 to 83.60): VN051341.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051341.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051341.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 160.205 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

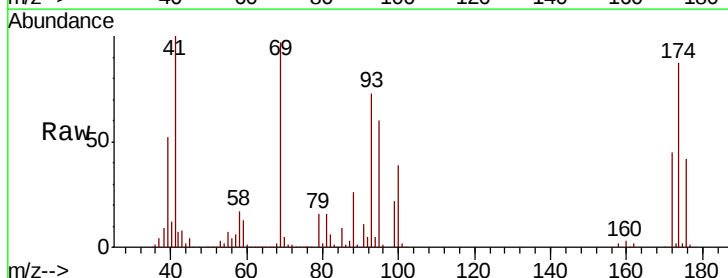
Tgt Ion: 41 Resp: 695621

Ion Ratio Lower Upper

41 100

69 100.9 79.4 119.0

39 54.0 43.0 64.6

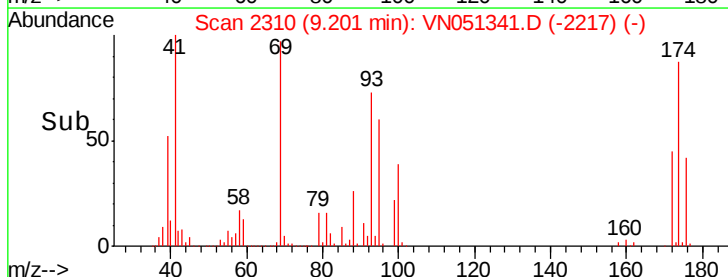


Abundance Ion 41.00 (40.70 to 41.70): VN051339.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051339.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051339.D (-2298) (-)

Time-->

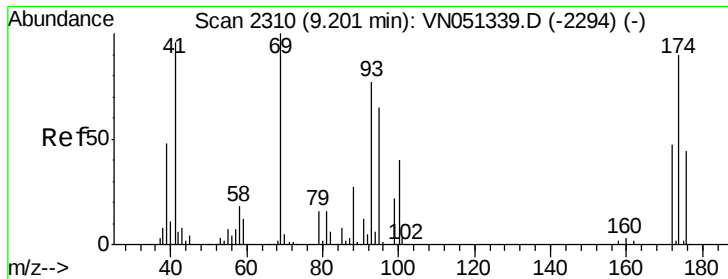


Abundance Ion 41.00 (40.70 to 41.70): VN051341.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051341.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051341.D (-2217) (-)

Time-->



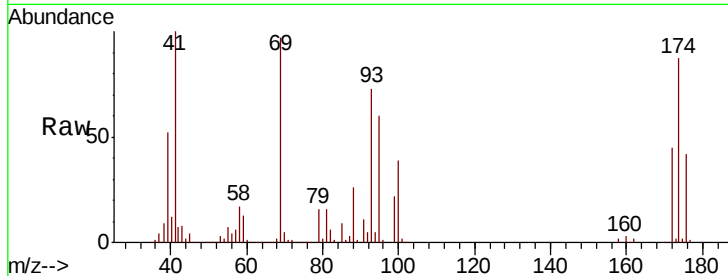
#49
1,4-Dioxane
Concen: 3193.600 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

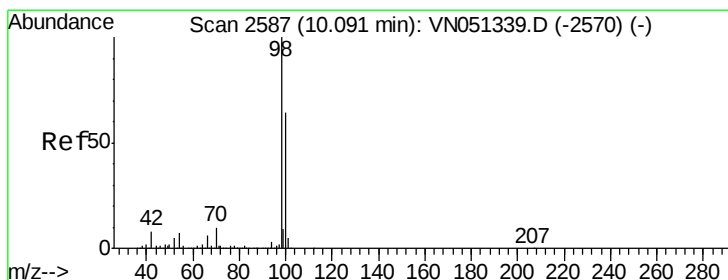
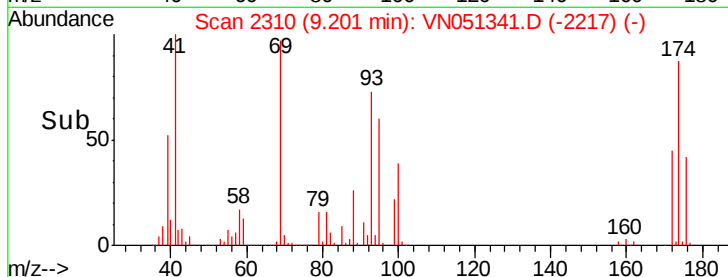
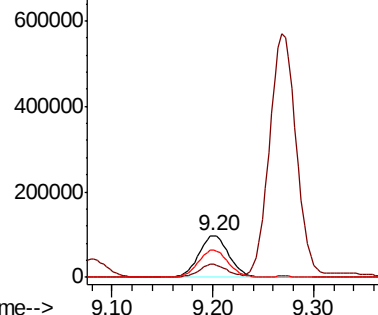
Tot Ion	Ratio	Resp	Lower	Upper
88	100	205068		
43	28.4	23.5	35.3	
58	64.0	52.1	78.1	

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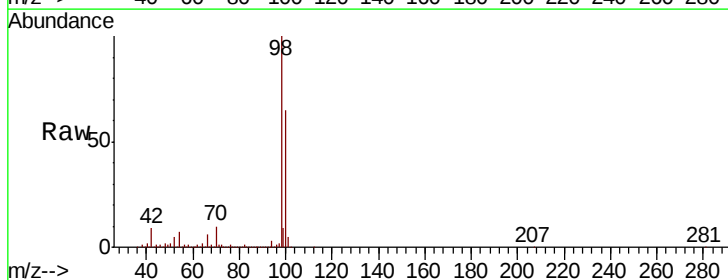


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

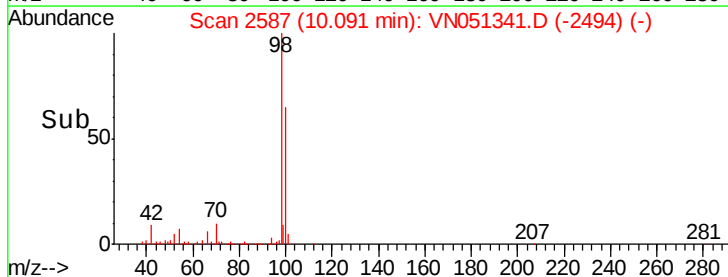
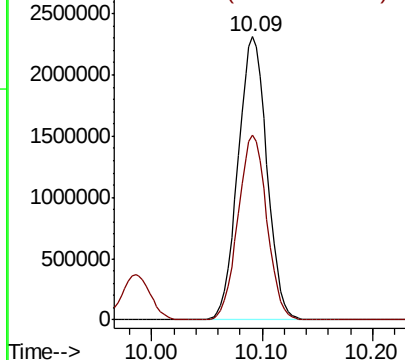


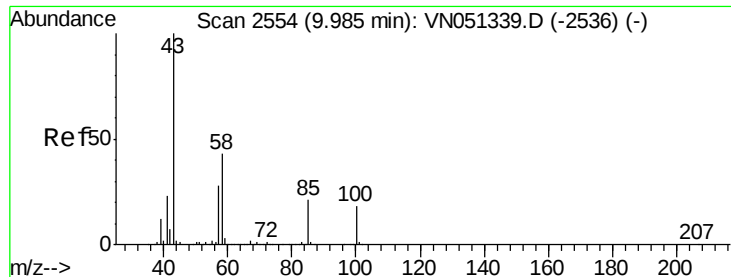
#50
Toluene-d8
Concen: 140.502 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	4191960		
100	65.0	51.3	76.9	



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





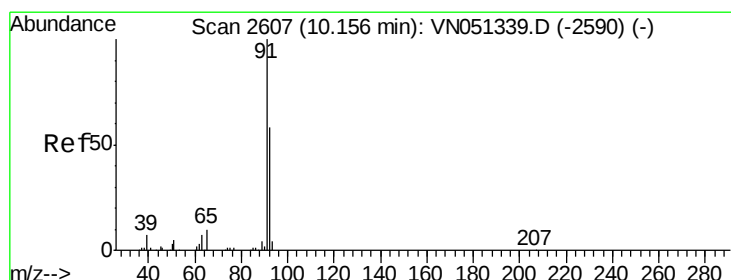
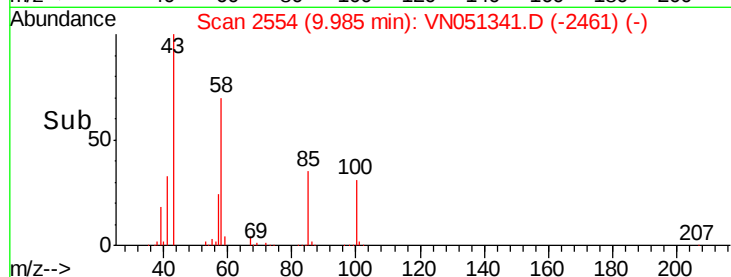
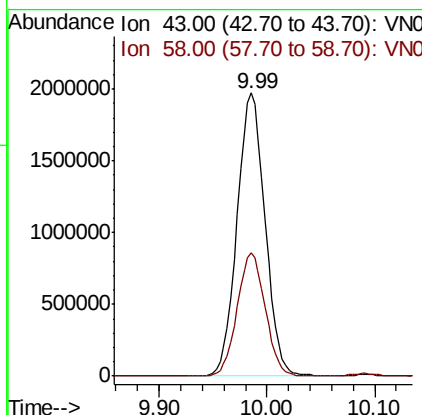
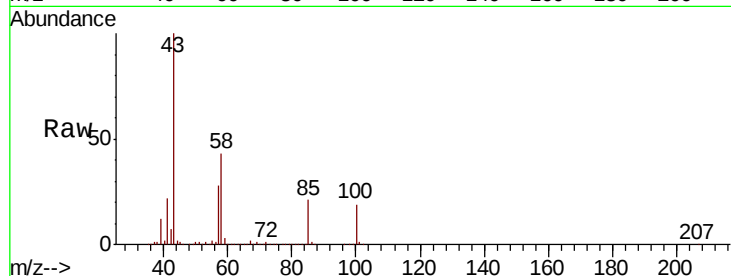
#51
4-Methyl-2-Pentanone
Concen: 779.187 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3569772
Ion Ratio Lower Upper
43 100
58 43.4 34.2 51.4

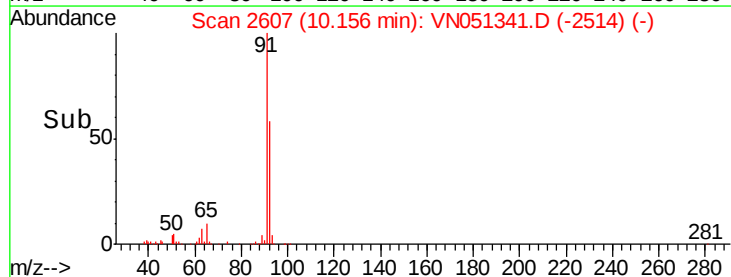
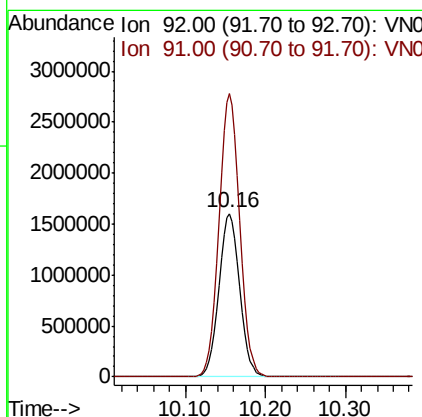
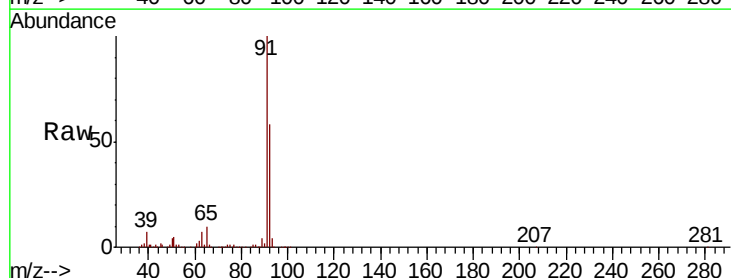
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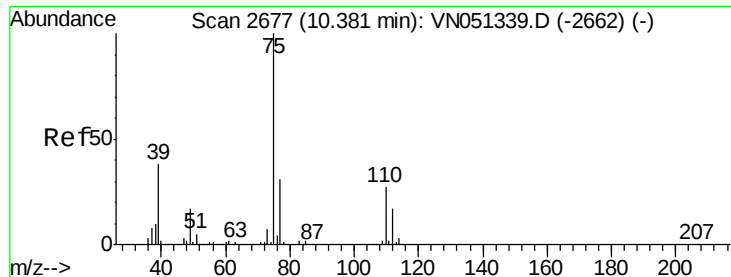
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#52
Toluene
Concen: 157.696 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 92 Resp: 2874156
Ion Ratio Lower Upper
92 100
91 173.4 139.7 209.5





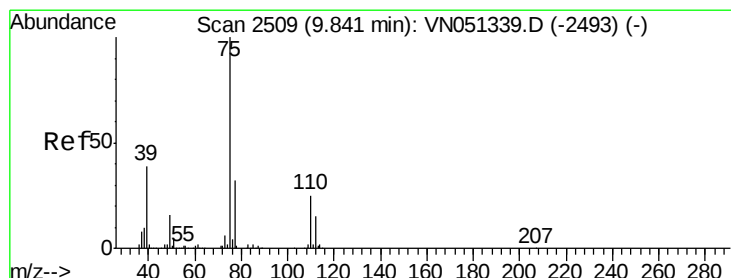
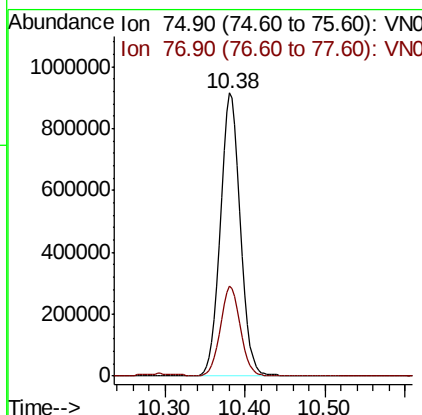
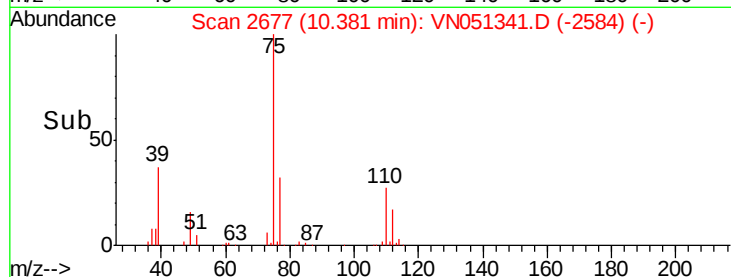
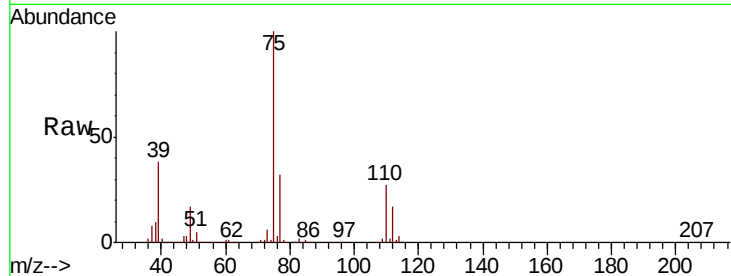
#53
t-1,3-Dichloropropene
Concen: 165.688 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1584372
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3

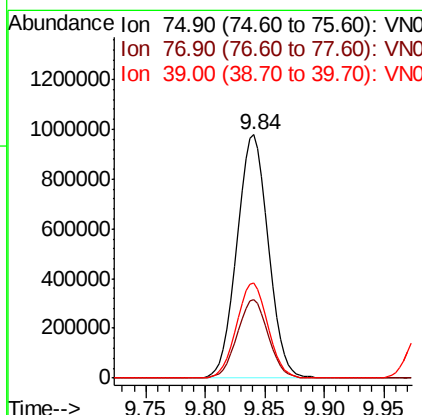
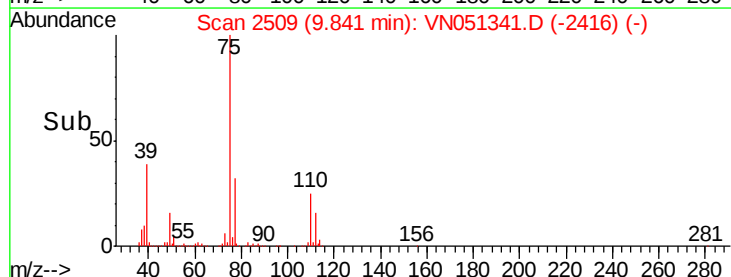
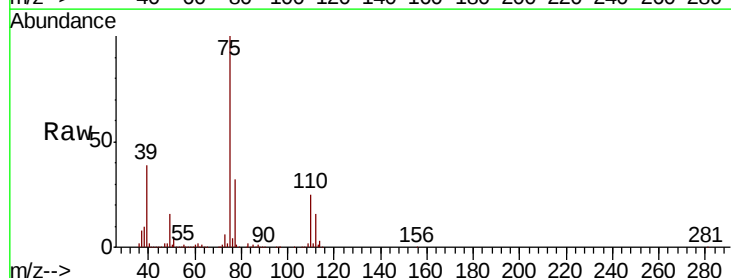
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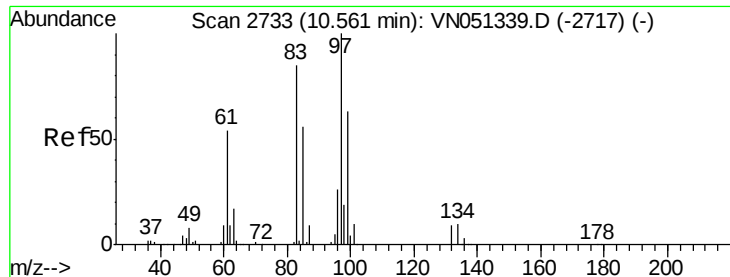
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#54
cis-1,3-Dichloropropene
Concen: 161.729 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 75 Resp: 1790672
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 39.0 31.0 46.4





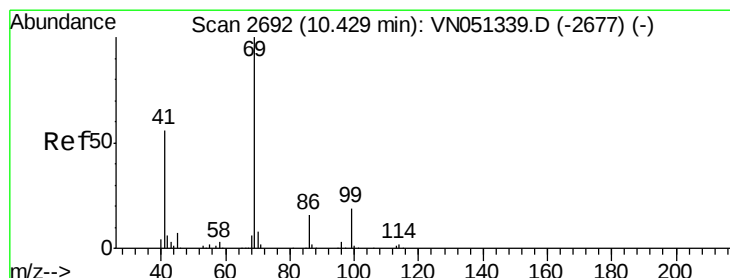
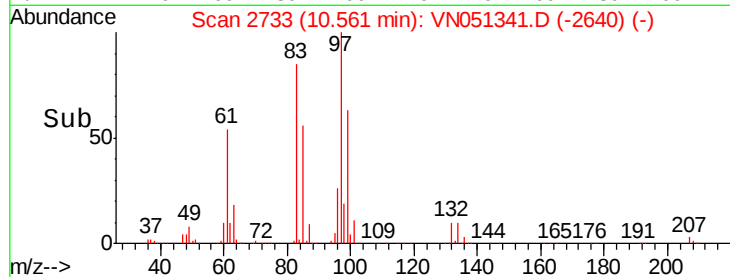
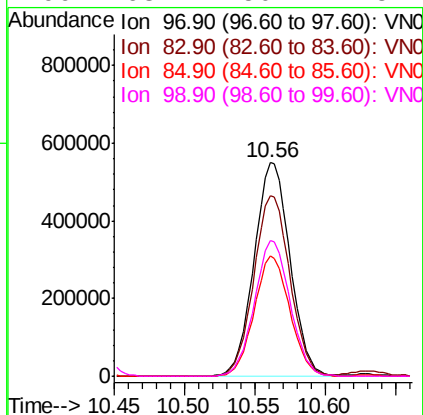
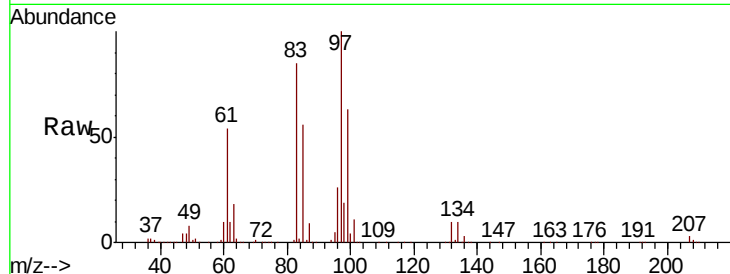
#55
 1,1,2-Trichloroethane
 Concen: 143.438 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	980588
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.1	102.1
85	56.2	44.6	66.8
99	63.4	50.2	75.4

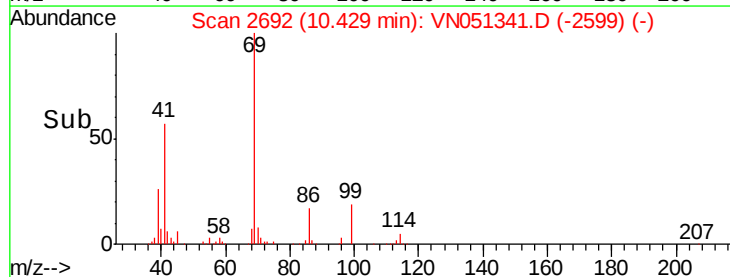
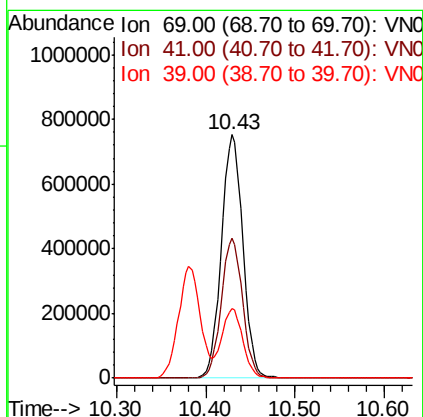
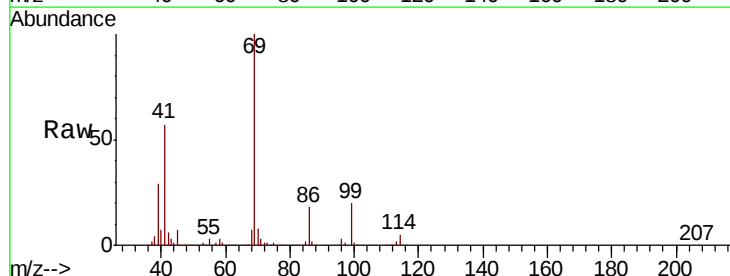
Manual Integrations
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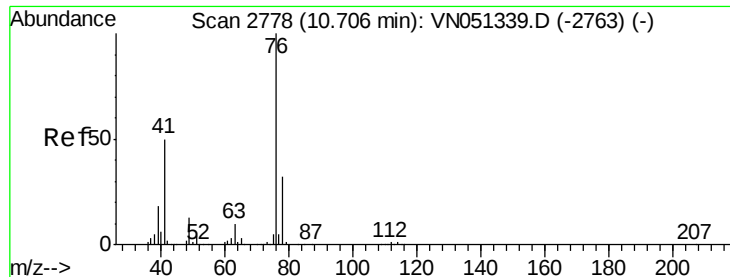
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#56
 Ethyl methacrylate
 Concen: 173.932 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion:	69	Resp:	1255922
Ion	Ratio	Lower	Upper
69	100		
41	56.3	45.1	67.7
39	28.2	23.4	35.2





#57

1,3-Dichloropropane

Concen: 152.774 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 1645135

Ion Ratio Lower Upper

76 100

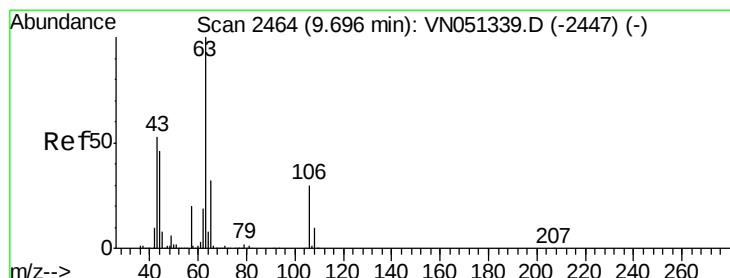
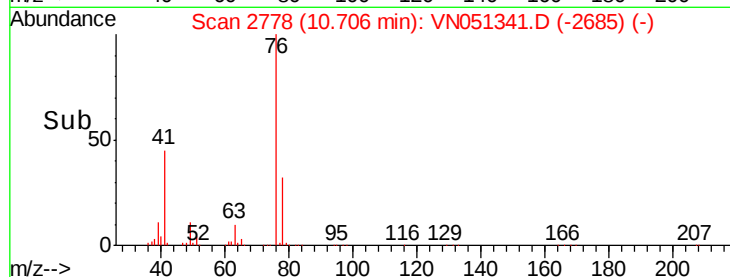
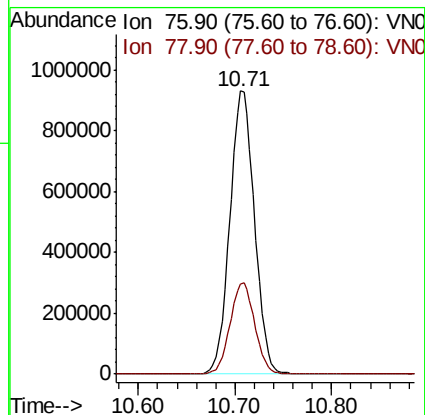
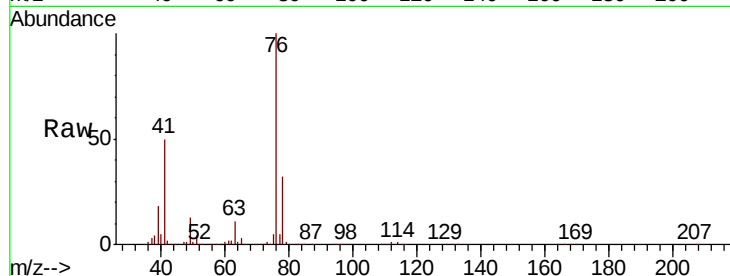
78 32.3 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 887.673 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051341.D

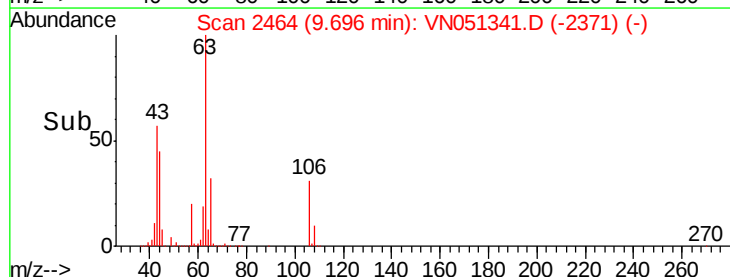
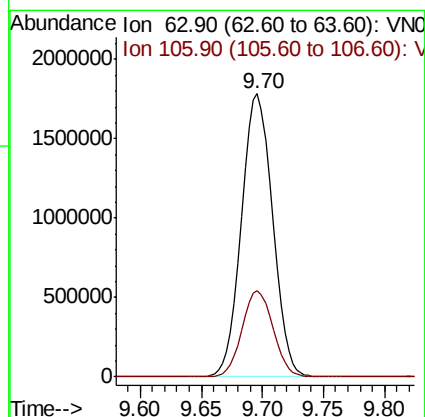
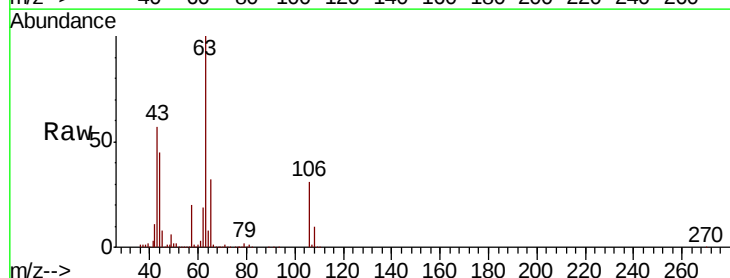
Acq: 20 Sep 2018 15:30

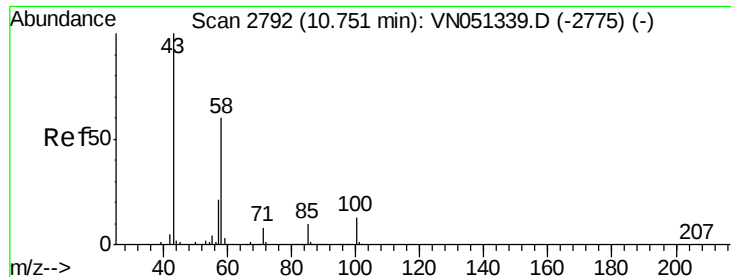
Tgt Ion: 63 Resp: 3151538

Ion Ratio Lower Upper

63 100

106 30.2 23.7 35.5





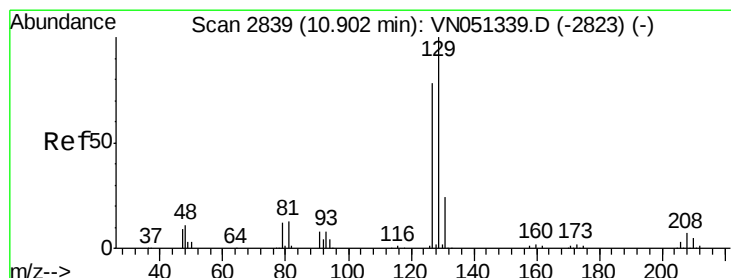
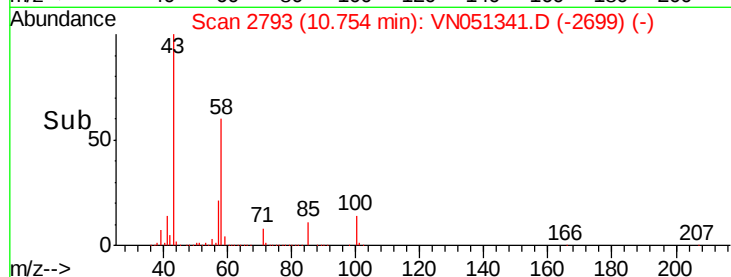
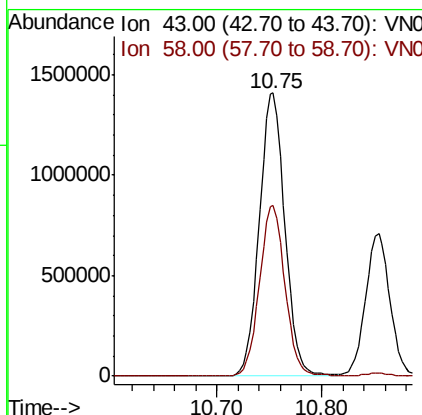
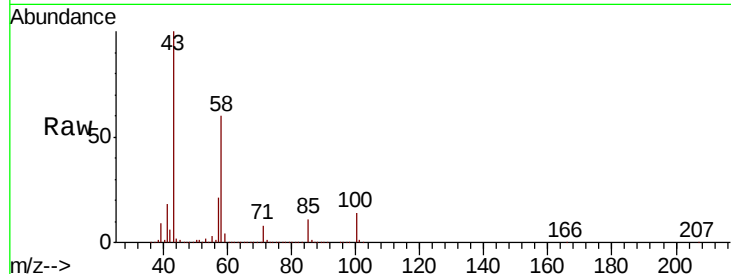
#59
2-Hexanone
Concen: 771.759 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2383740
Ion Ratio Lower Upper
43 100
58 60.3 29.9 89.8

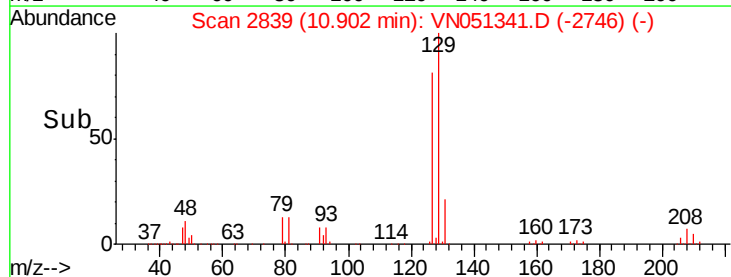
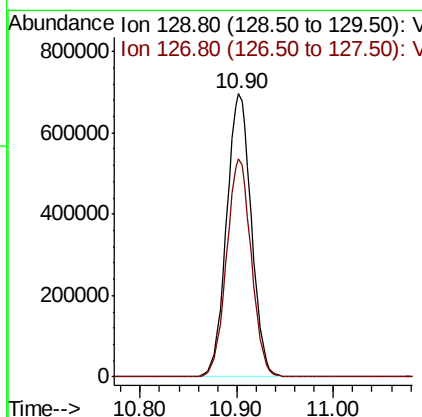
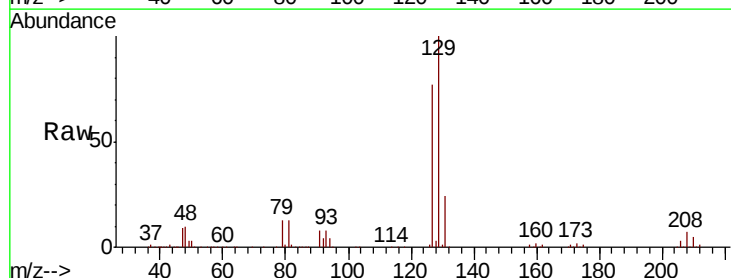
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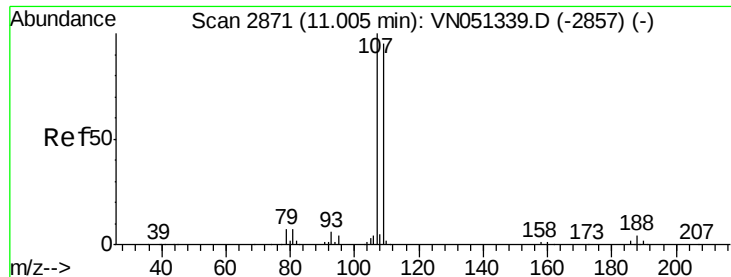
MMDadoda
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#60
Dibromochloromethane
Concen: 154.842 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 129 Resp: 1234431
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 154.304 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1014159

Ion Ratio Lower Upper

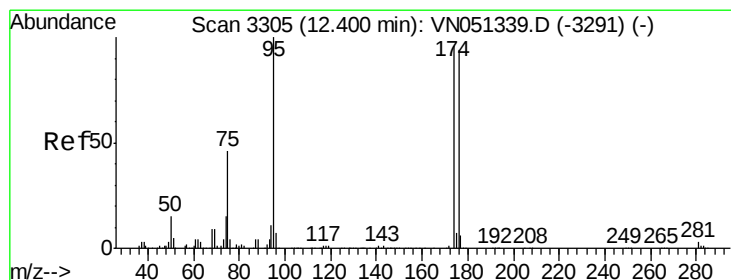
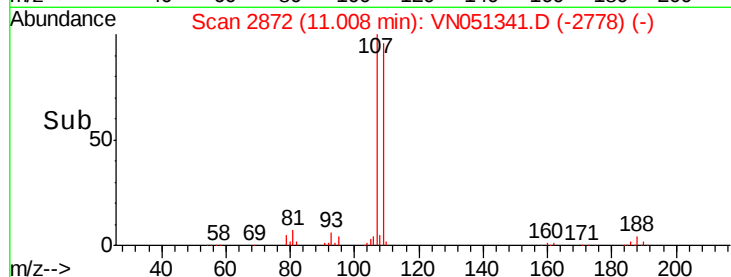
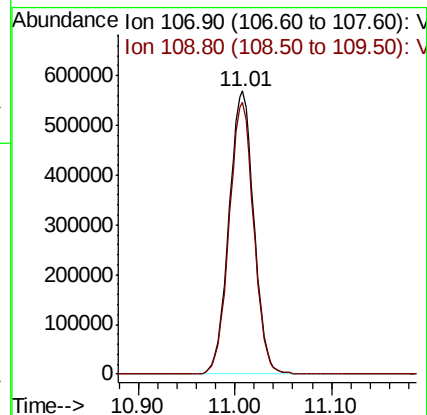
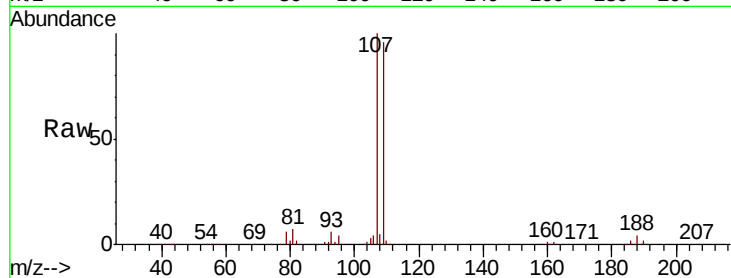
107 100

109 95.0 75.8 113.6

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 147.699 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

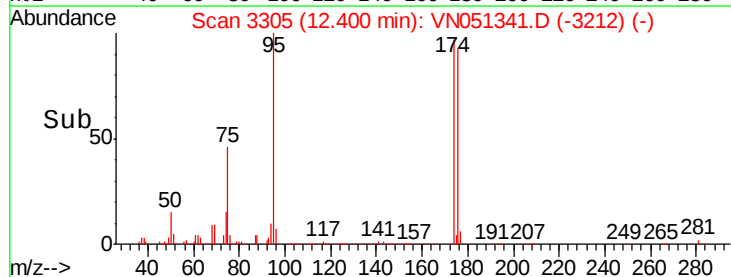
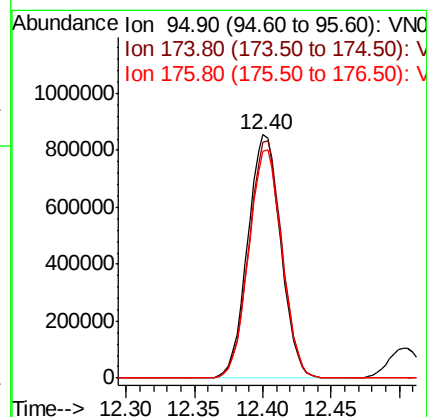
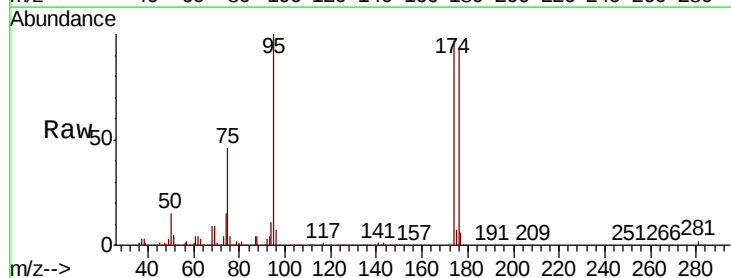
Tgt Ion: 95 Resp: 1433631

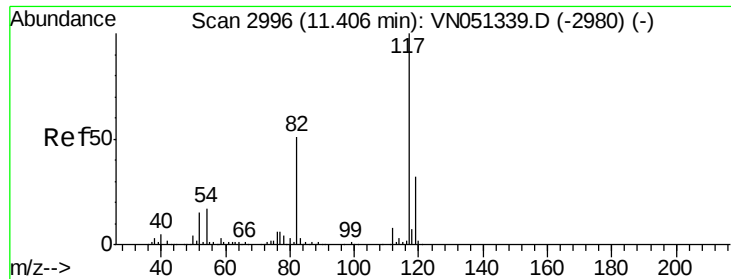
Ion Ratio Lower Upper

95 100

174 98.0 0.0 194.6

176 94.3 0.0 189.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

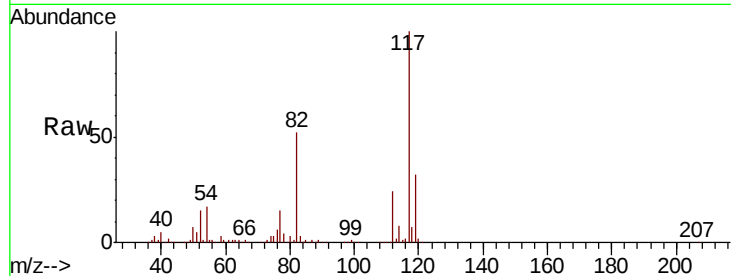
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	912000
Ion Ratio	Lower	Upper	
117	100		
82	51.9	40.7	61.1
119	31.5	25.3	37.9

Manual Integrations
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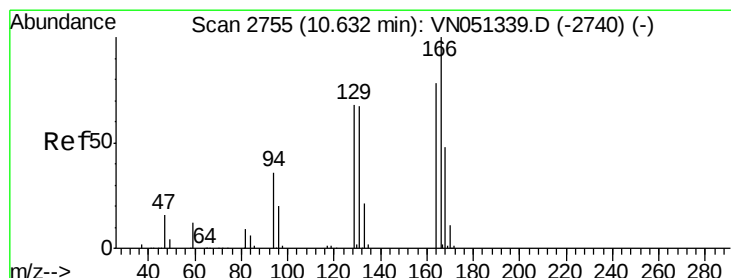
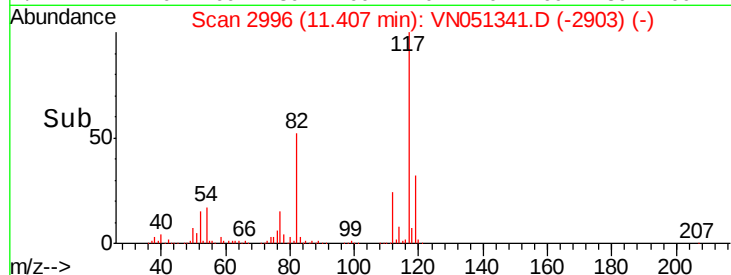
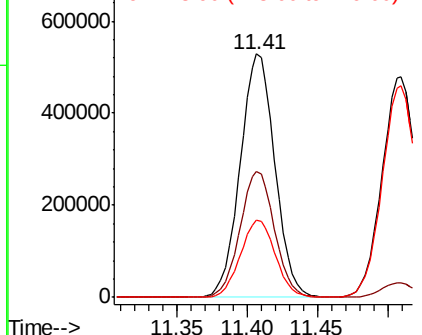


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 148.534 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Tgt Ion:	164	Resp:	1181284
Ion Ratio	Lower	Upper	
164	100		
166	128.1	102.1	153.1
129	89.0	69.4	104.2
131	86.2	68.8	103.2

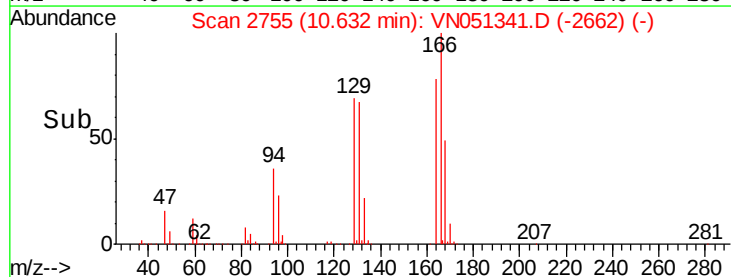
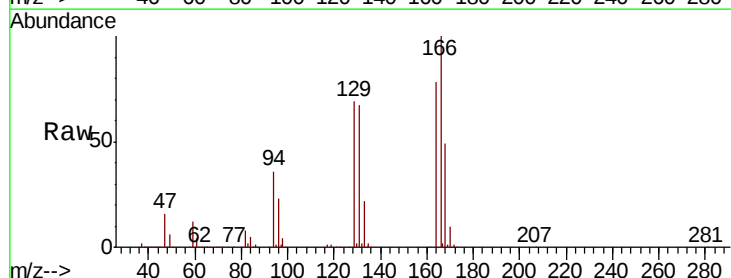
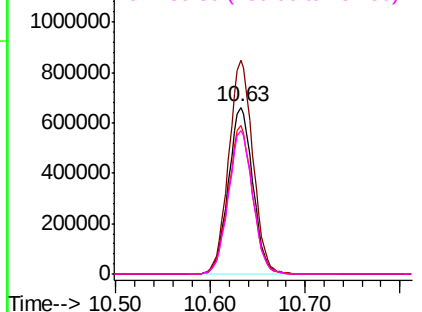
Abundance

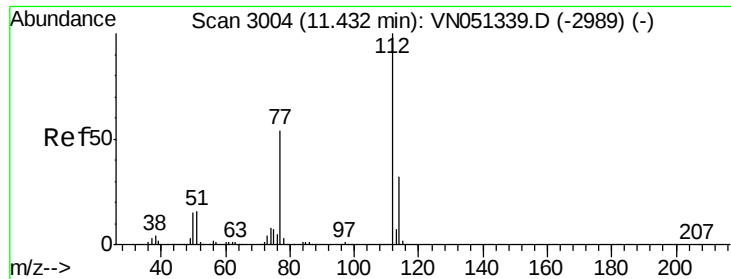
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





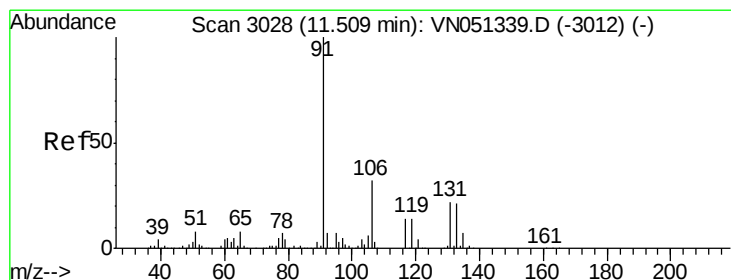
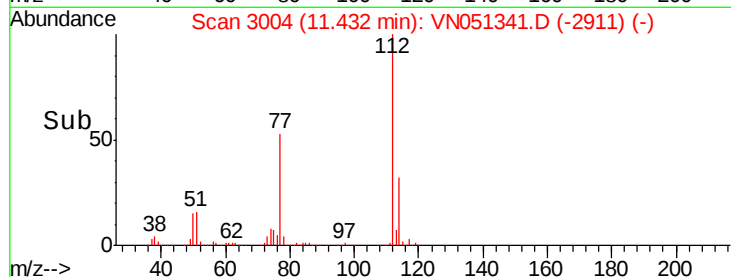
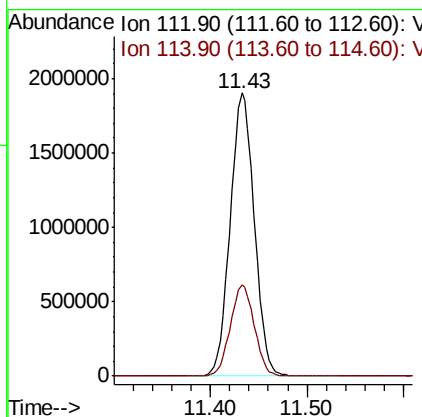
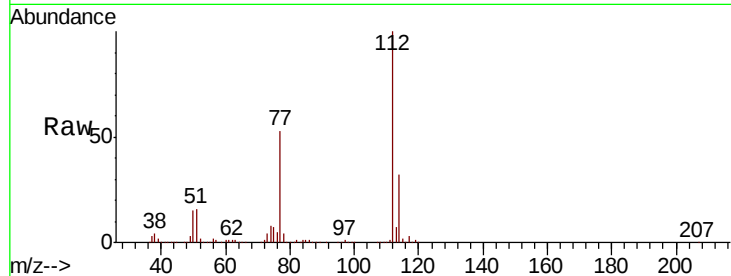
#65
Chlorobenzene
Concen: 150.891 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3287717
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

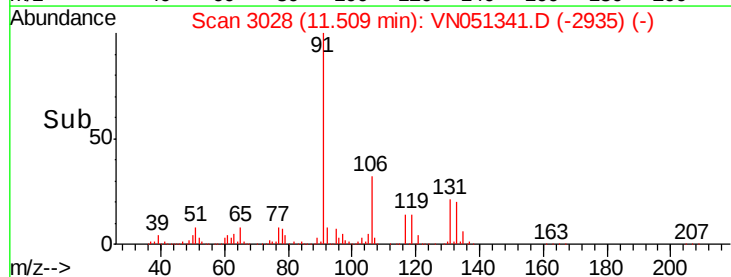
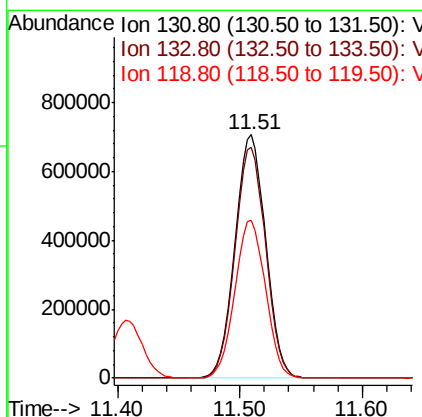
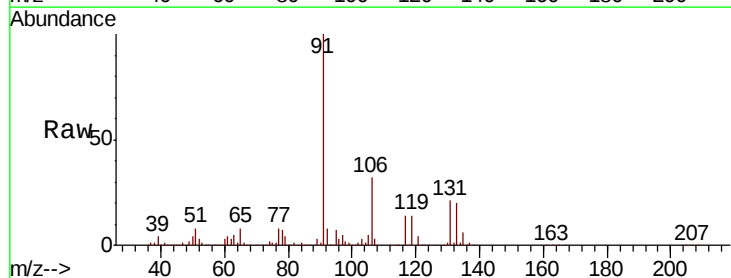
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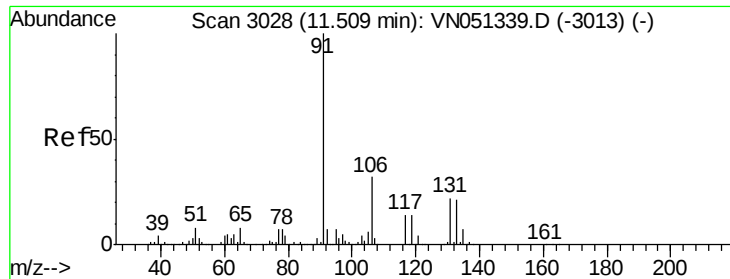
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#66
1,1,1,2-Tetrachloroethane
Concen: 148.034 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion:131 Resp: 1227905
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 64.9 32.6 97.7





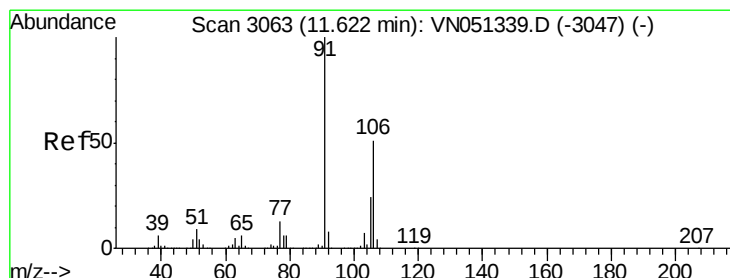
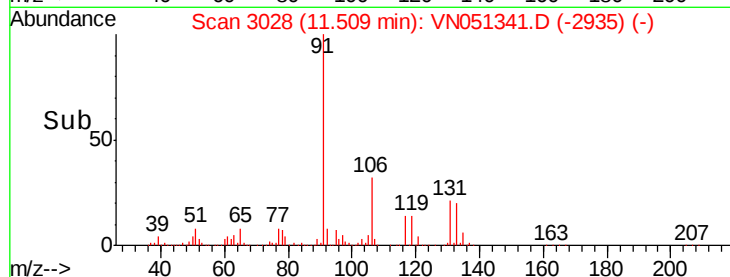
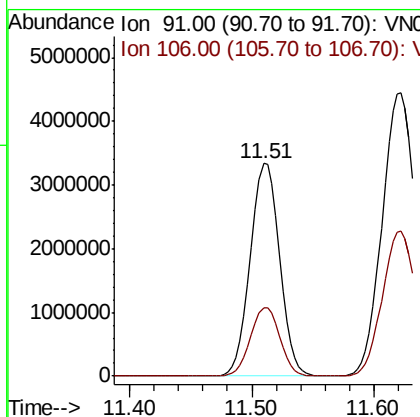
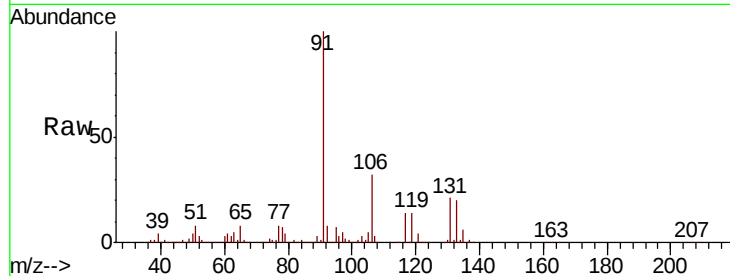
#67
Ethyl Benzene
Concen: 162.072 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5524351
Ion Ratio Lower Upper
91 100
106 32.3 25.8 38.8

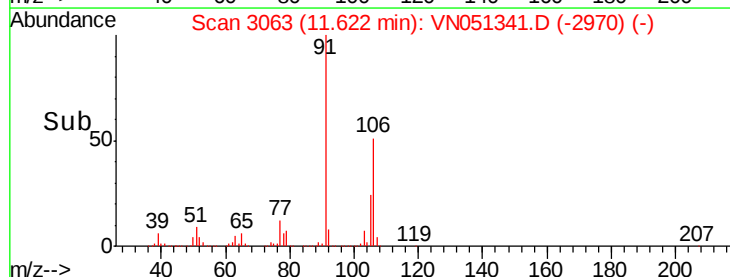
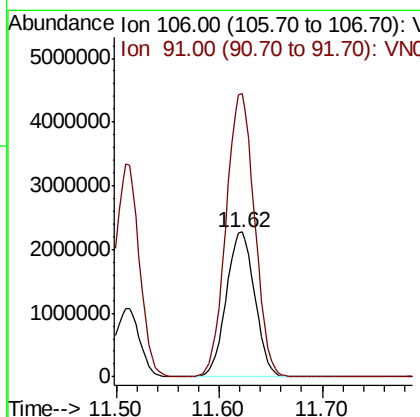
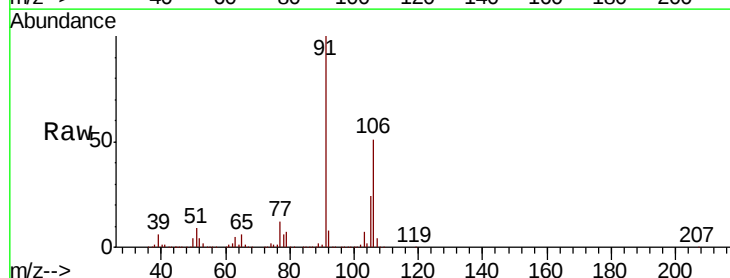
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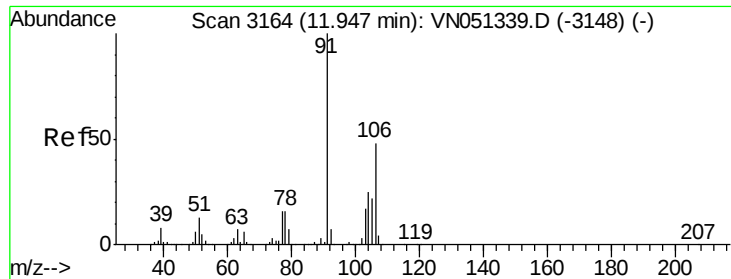
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#68
m/p-Xylenes
Concen: 326.143 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 106 Resp: 4367485
Ion Ratio Lower Upper
106 100
91 196.0 156.5 234.7





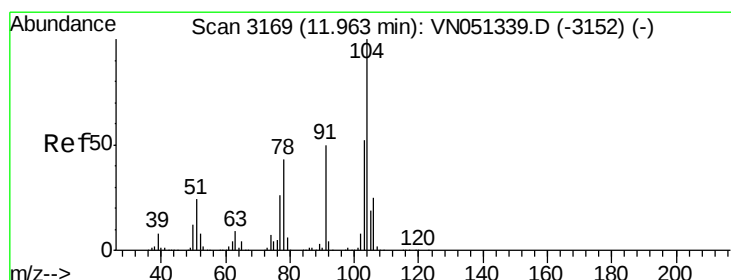
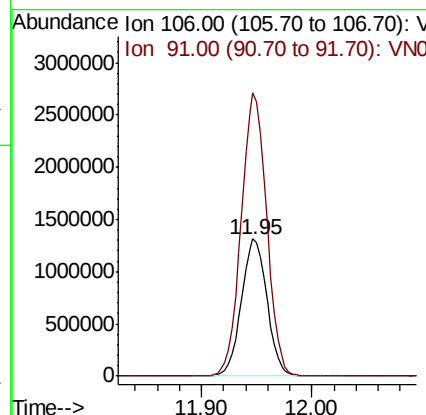
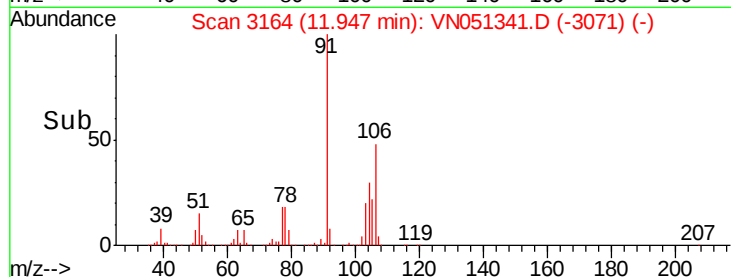
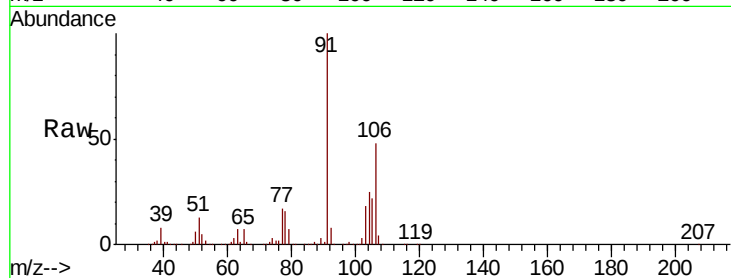
#69
o-Xylene
Concen: 162.942 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2103462
Ion Ratio Lower Upper
106 100
91 205.9 104.6 313.7

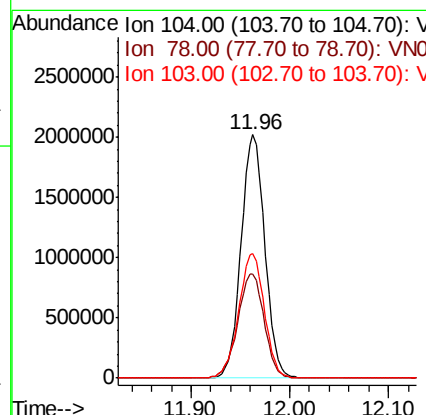
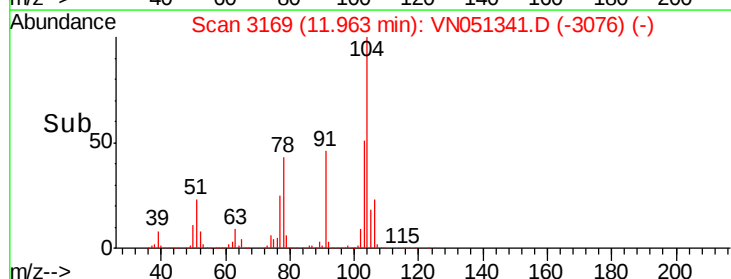
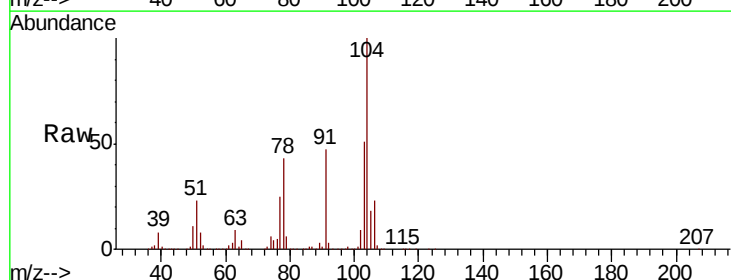
Manual Integrations
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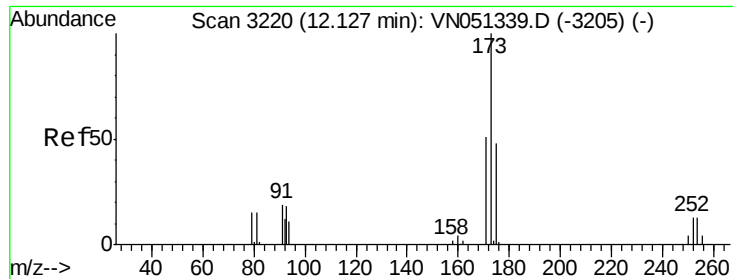
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#70
Styrene
Concen: 168.370 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion:104 Resp: 3373752
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.5 44.3 66.5





#71

Bromoform

Concen: 156.752 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 882440

Ion Ratio Lower Upper

173 100

175 49.4 24.3 73.0

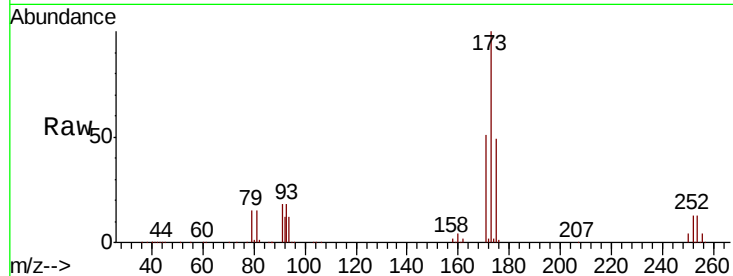
254 0.1 0.1 0.1#

Manual Integrations

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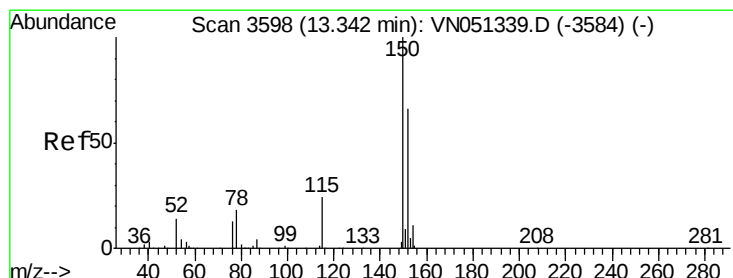
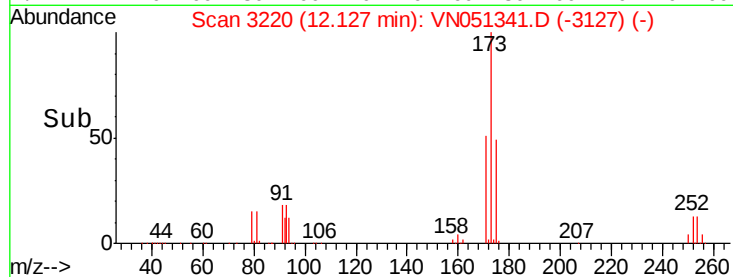
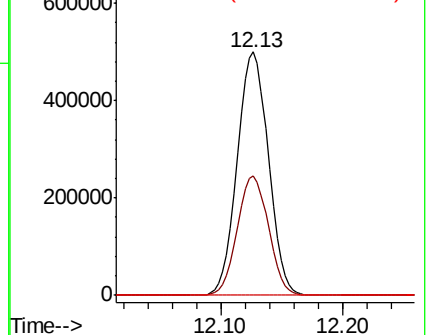
9/24/2018 2:48:13 PM



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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

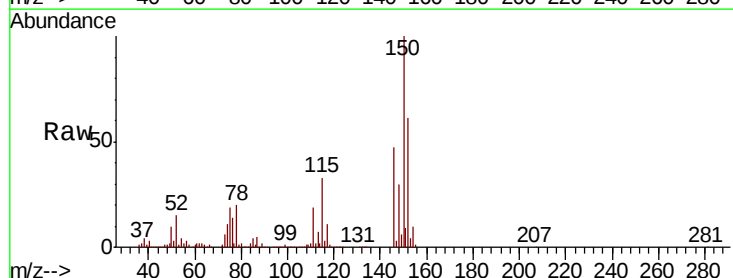
Tgt Ion:152 Resp: 513437

Ion Ratio Lower Upper

152 100

115 53.4 26.9 80.7

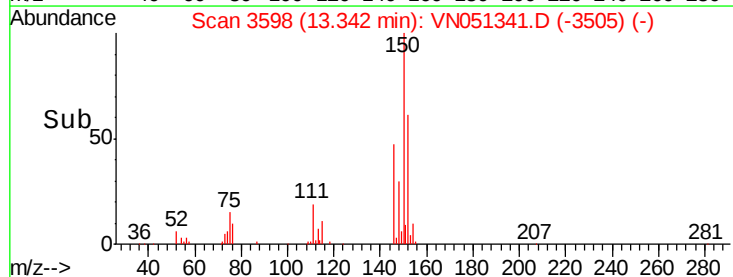
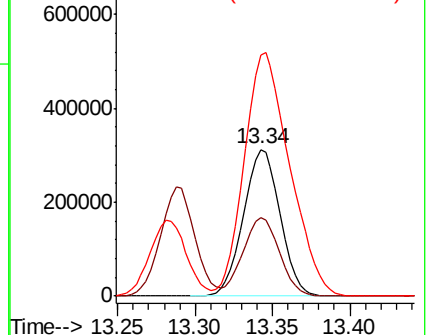
150 205.8 0.0 345.0

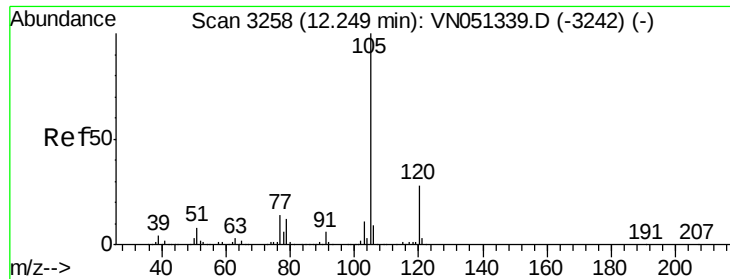


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





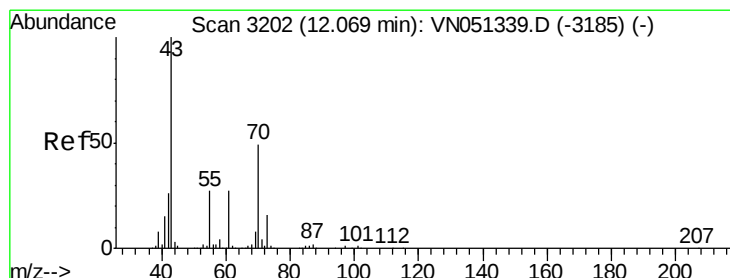
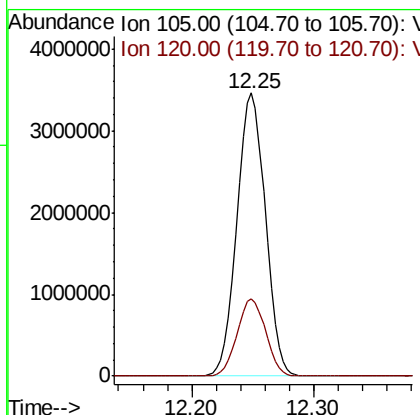
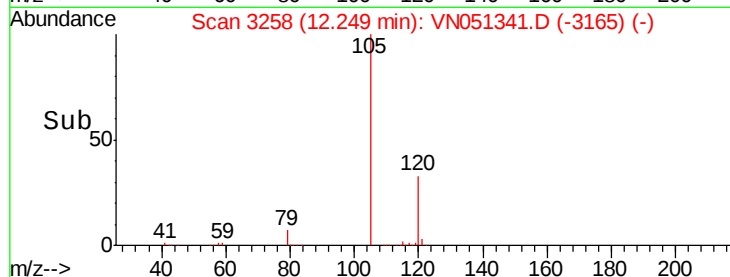
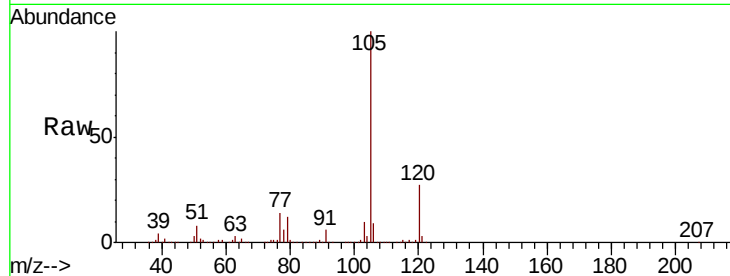
#73
Isopropylbenzene
Concen: 148.056 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 5571282
Ion Ratio Lower Upper
105 100
120 27.5 13.9 41.6

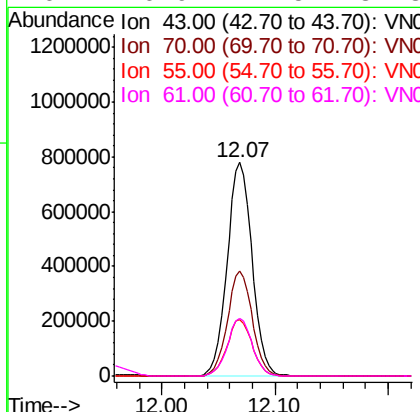
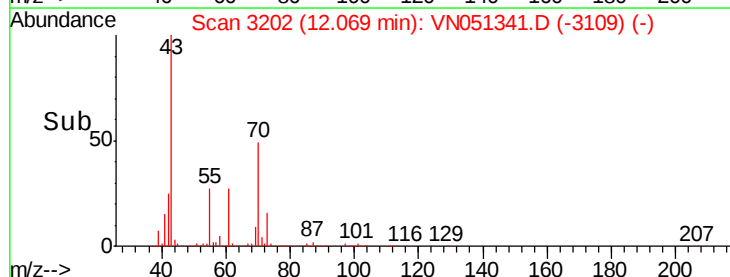
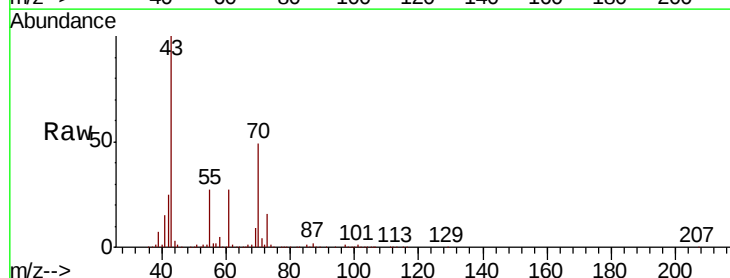
Manual Integrations
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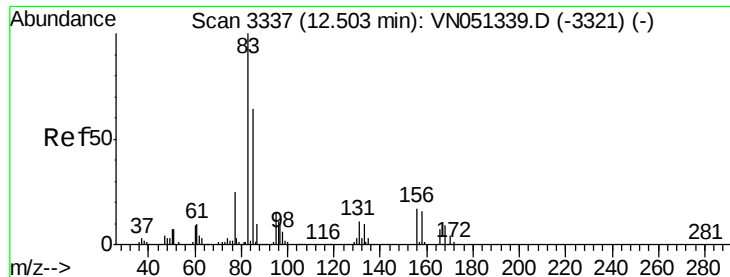
MMDadoda
9/24/2018 2:48:13 PM



#74
N-ethyl acetate
Concen: 148.088 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 43 Resp: 1192173
Ion Ratio Lower Upper
43 100
70 48.8 39.5 59.3
55 26.8 22.6 34.0
61 26.9 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 123.210 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1144184

Ion Ratio Lower Upper

83 100

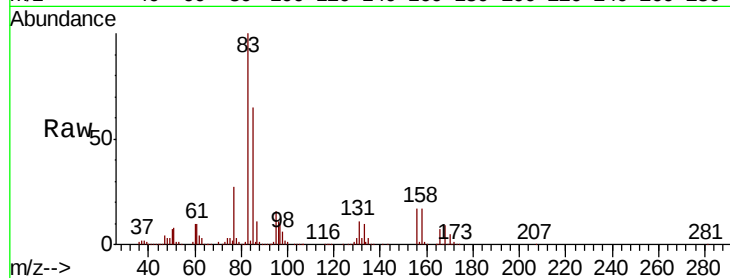
131 11.8 5.5 16.7

85 64.8 32.3 96.9

Manual Integrations
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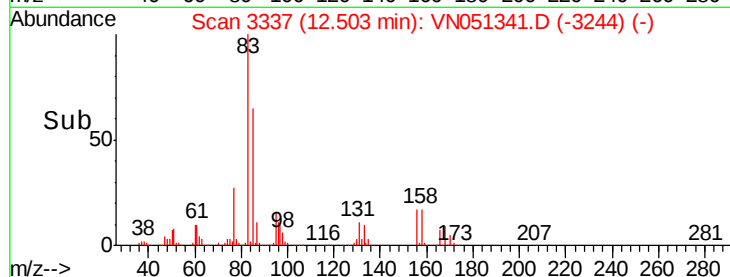


Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN051339.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN051339.D (-3321) (-)

Time-->

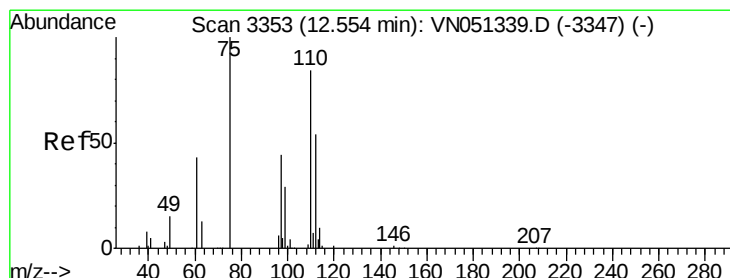


Abundance Ion 82.90 (82.60 to 83.60): VN051341.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN051341.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN051341.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 135.350 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051341.D

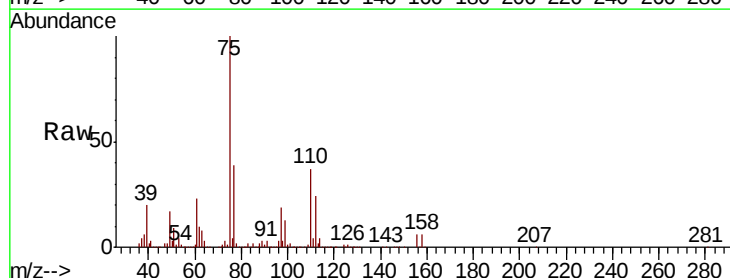
Acq: 20 Sep 2018 15:30

Tgt Ion: 75 Resp: 1003539

Ion Ratio Lower Upper

75 100

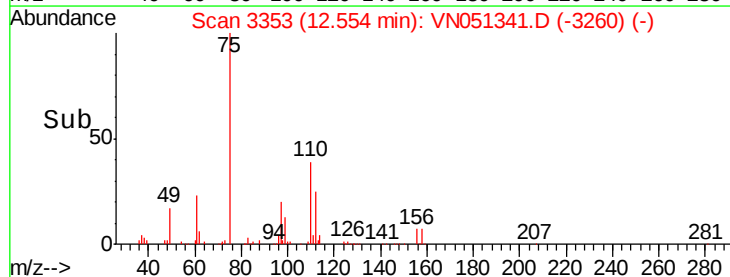
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051339.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051339.D (-3347) (-)

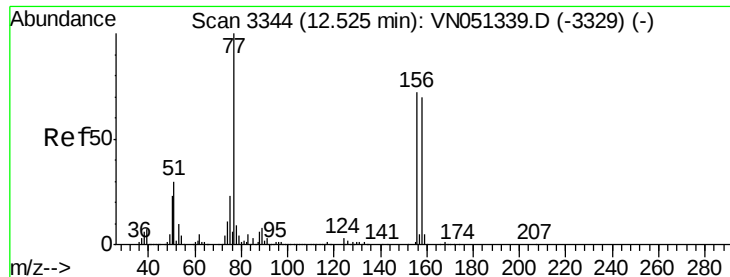
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN051341.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051341.D (-3260) (-)

Time-->



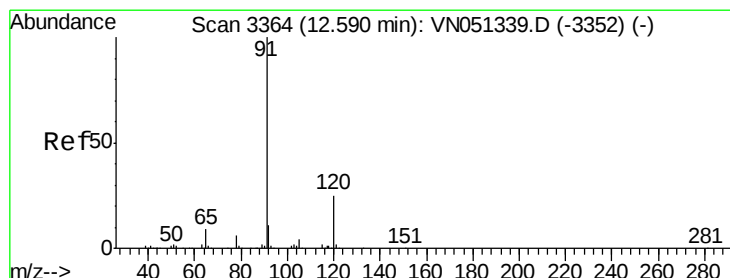
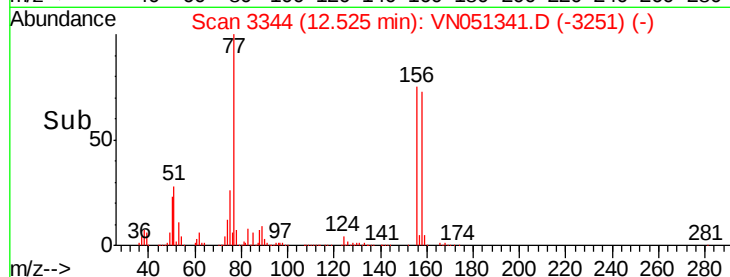
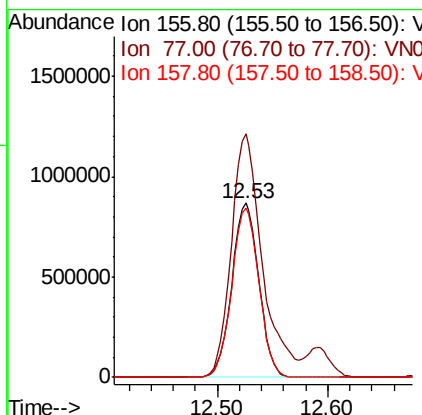
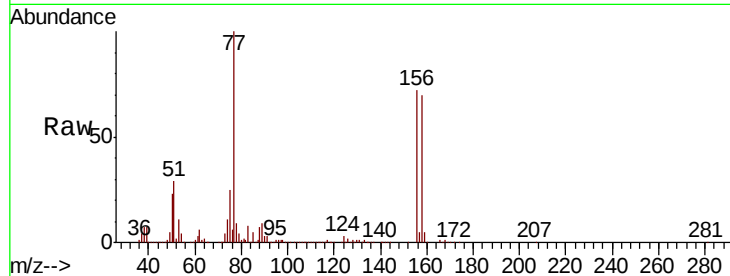
#77
Bromobenzene
Concen: 141.757 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:156 Resp: 1473809
Ion Ratio Lower Upper
156 100
77 160.4 80.8 242.4
158 97.5 48.8 146.3

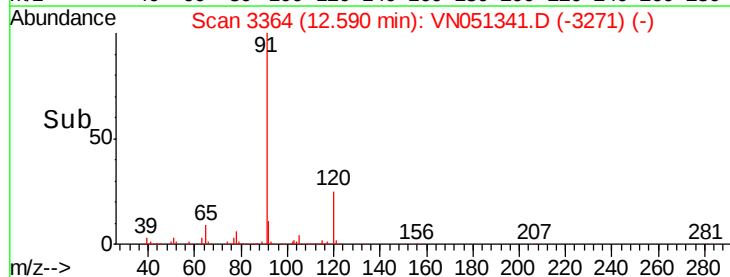
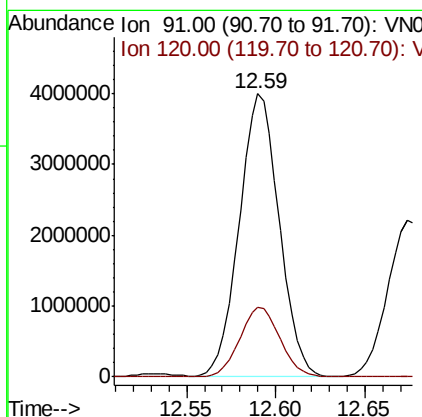
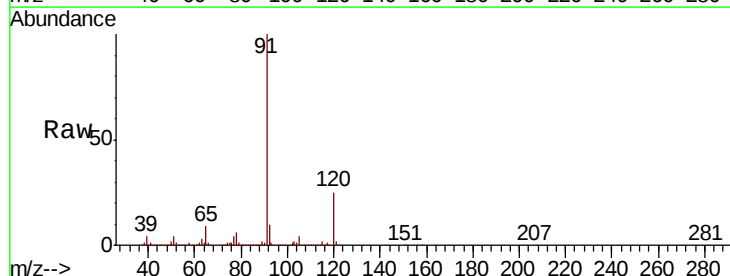
Manual Integrations
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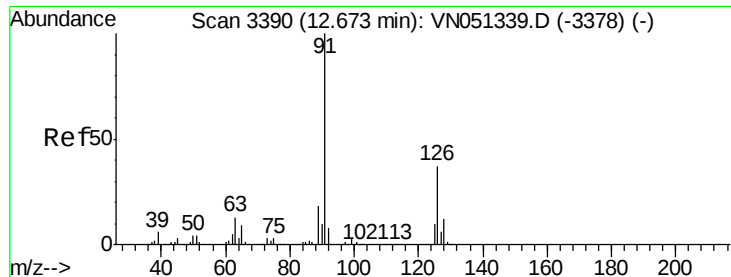
MMDadoda
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#78
n-propylbenzene
Concen: 151.948 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion: 91 Resp: 6233394
Ion Ratio Lower Upper
91 100
120 24.8 12.4 37.2





#79

2-Chlorotoluene

Concen: 143.177 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3619785

Ion Ratio Lower Upper

91 100

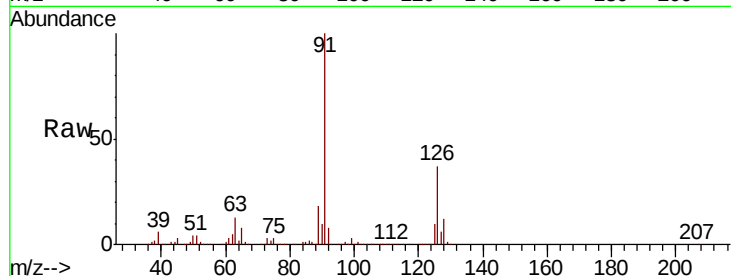
126 37.1 18.6 55.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051339.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051339.D (-3378) (-)

4000000

3000000

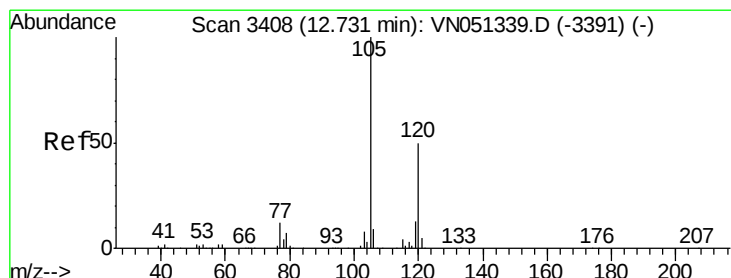
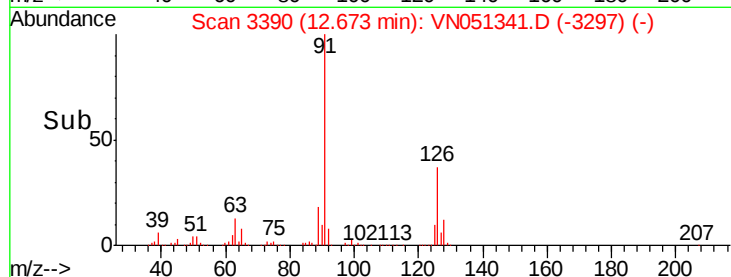
2000000

1000000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 151.124 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051341.D

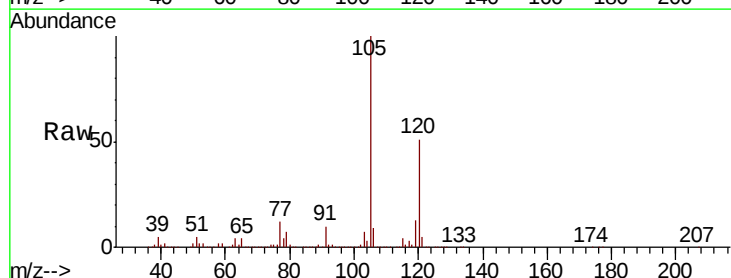
Acq: 20 Sep 2018 15:30

Tgt Ion:105 Resp: 4610085

Ion Ratio Lower Upper

105 100

120 50.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VN051339.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051339.D (-3391) (-)

3000000

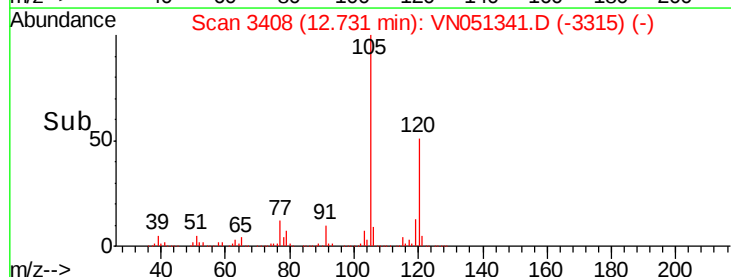
2000000

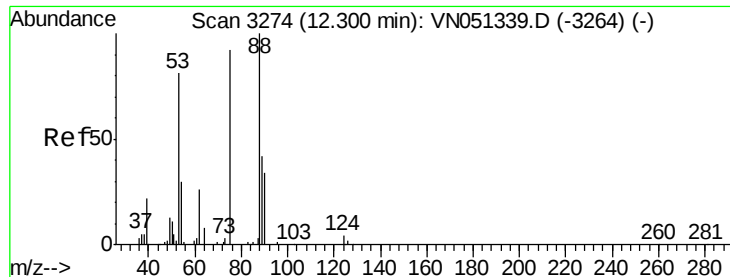
1000000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 169.482 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

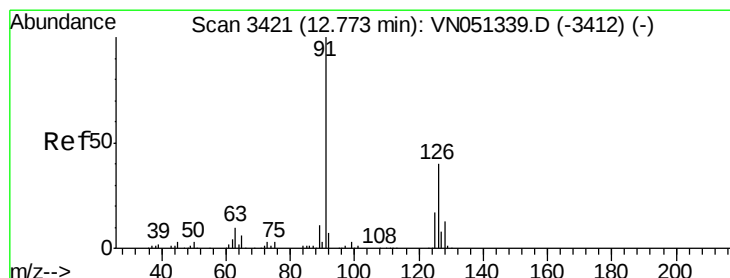
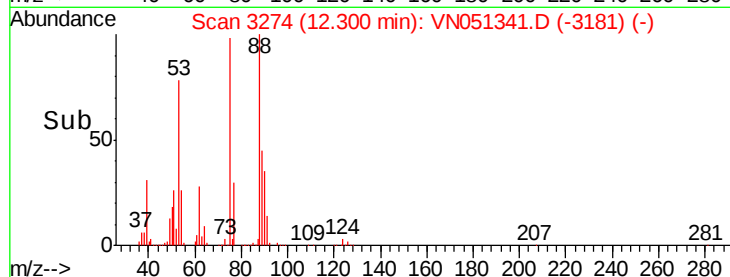
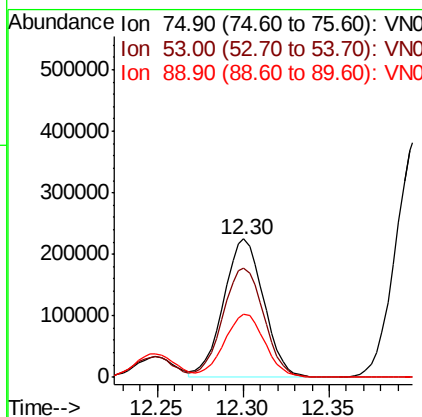
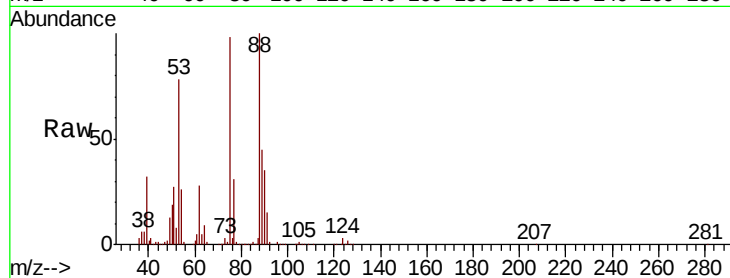
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	362977
Ion	Ratio	Lower	Upper
75	100		
53	81.6	69.9	104.9
89	46.4	37.9	56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 150.432 ug/l

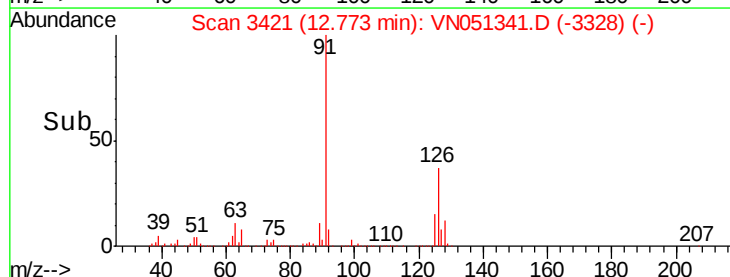
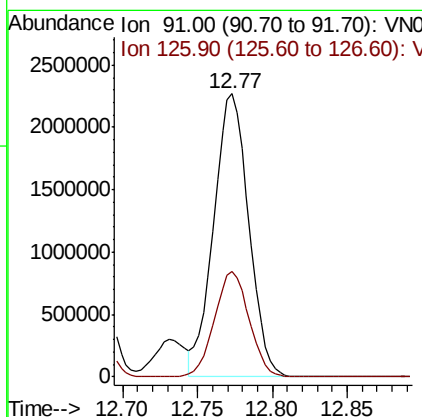
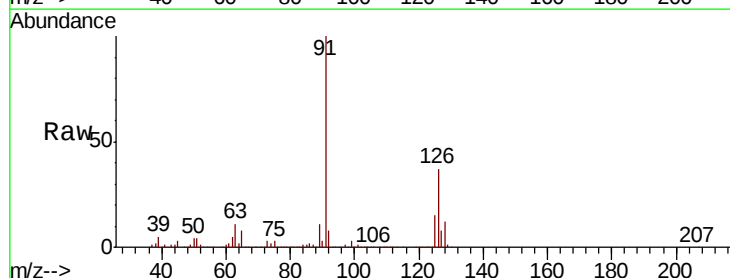
RT: 12.77 min Scan# 3421

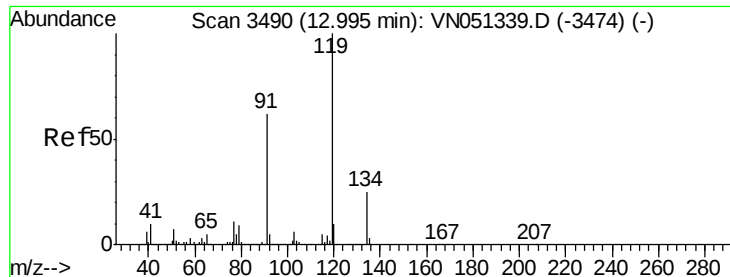
Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Tgt Ion:	91	Resp:	3696524
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.3	54.9





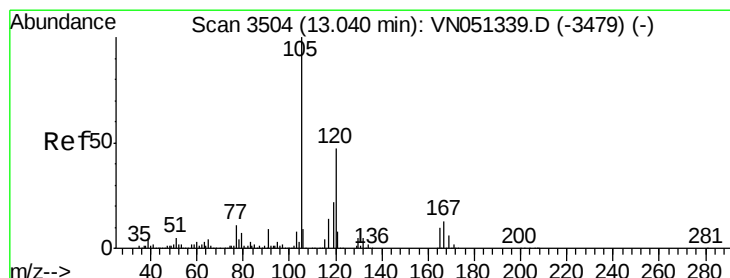
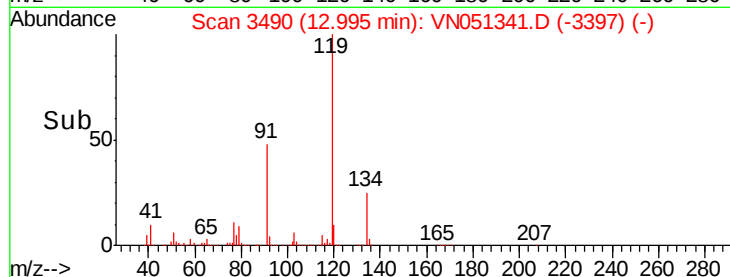
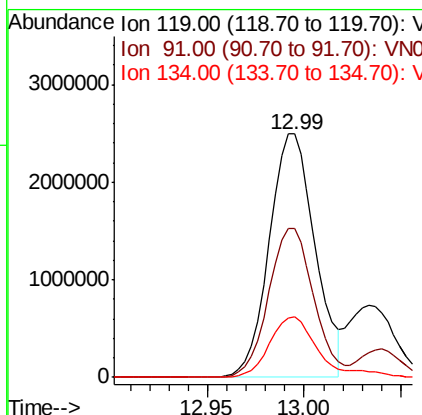
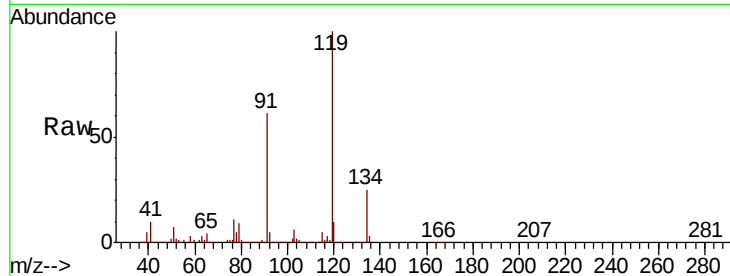
#83
 tert-Butylbenzene
 Concen: 150.431 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4107422
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.6 91.8
 134 26.7 12.6 37.6

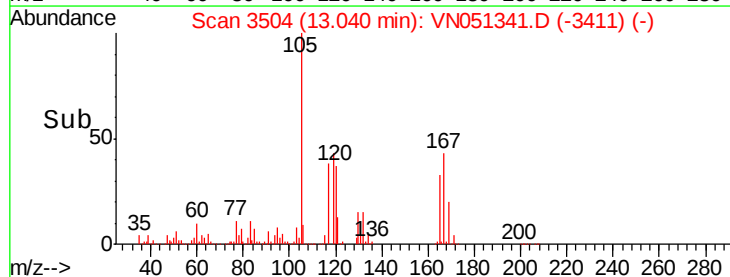
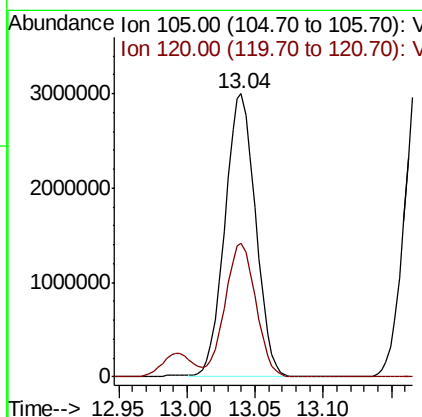
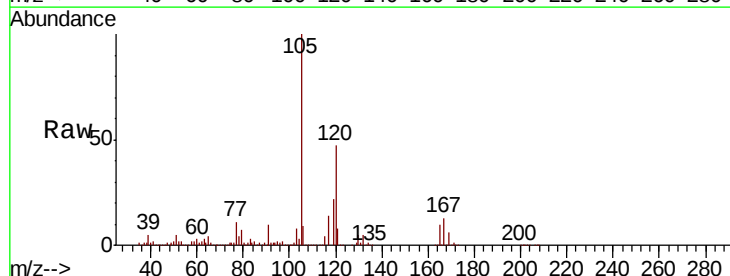
Manual Integrations
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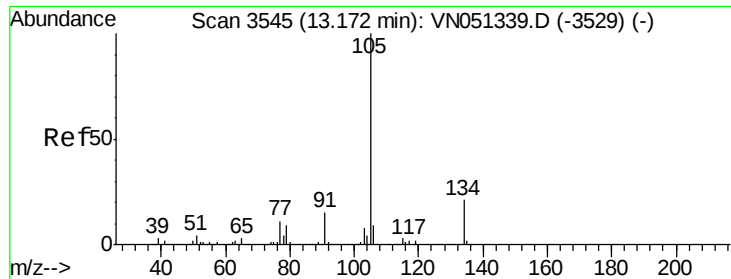
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#84
 1,2,4-Trimethylbenzene
 Concen: 154.986 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion:105 Resp: 4692518
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.5 70.6





#85

sec-Butylbenzene

Concen: 153.332 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5567589

Ion Ratio Lower Upper

105 100

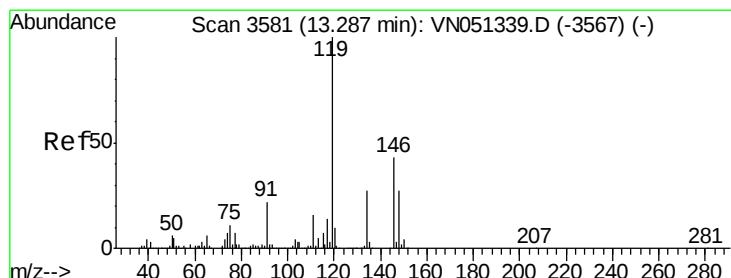
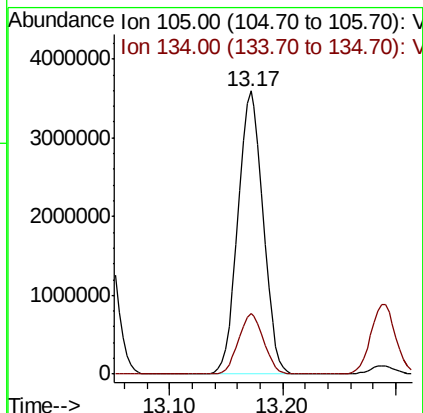
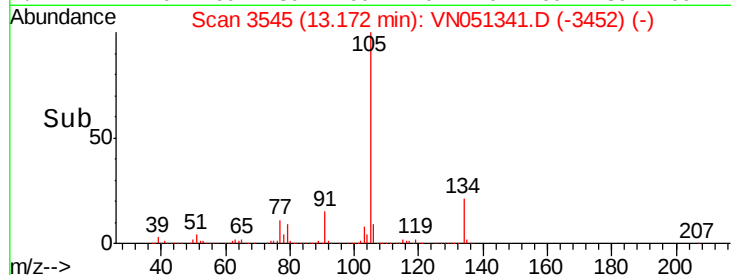
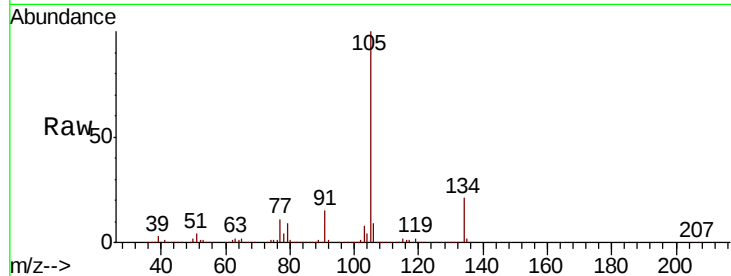
134 21.2 10.8 32.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 160.051 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

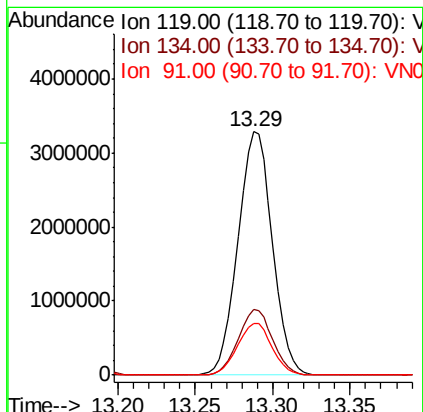
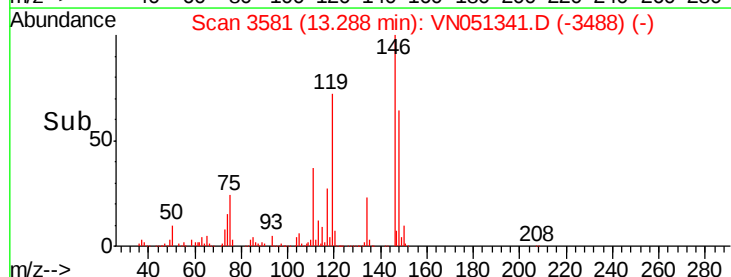
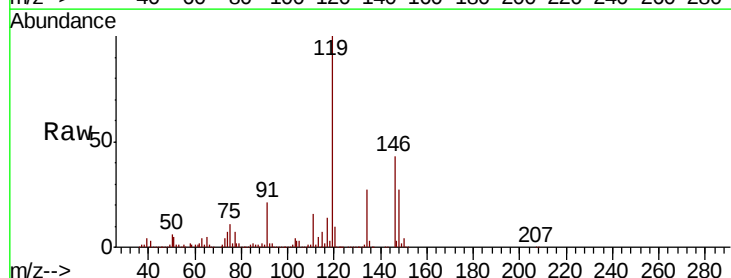
Tgt Ion:119 Resp: 5057705

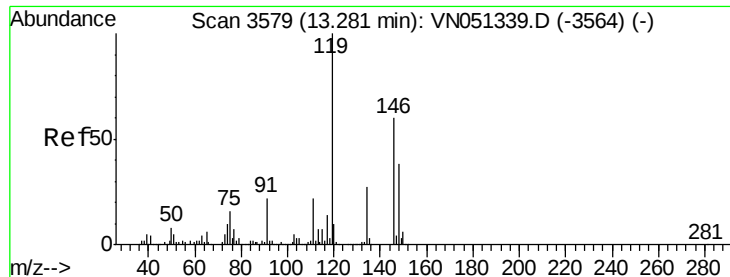
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

91 21.4 10.8 32.3





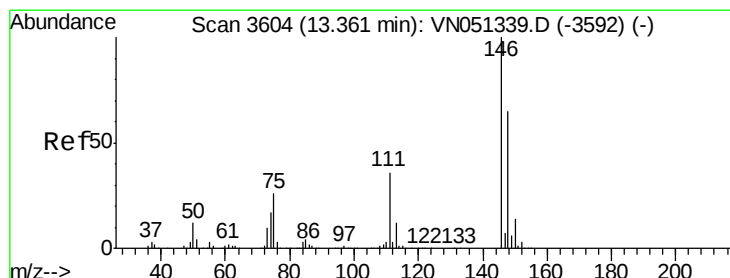
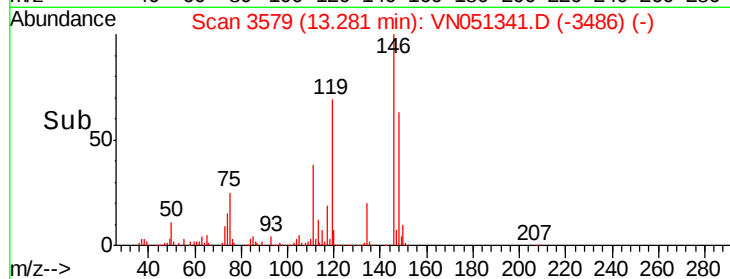
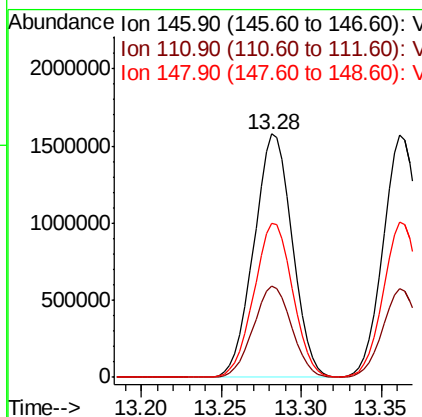
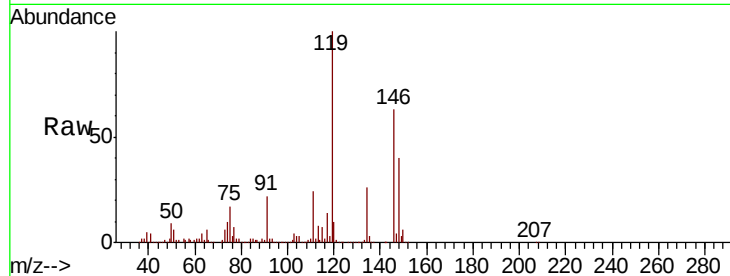
#87
 1,3-Dichlorobenzene
 Concen: 149.078 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	63.8	31.9	95.7

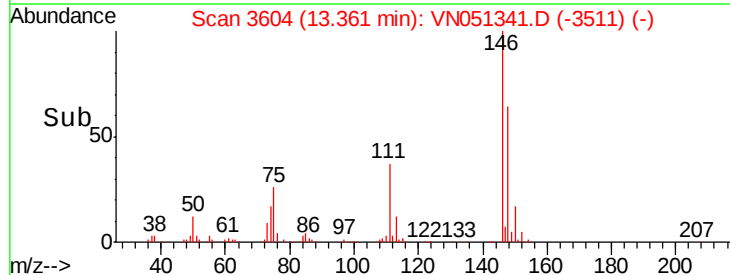
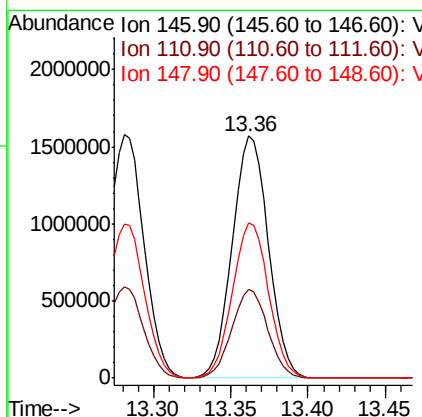
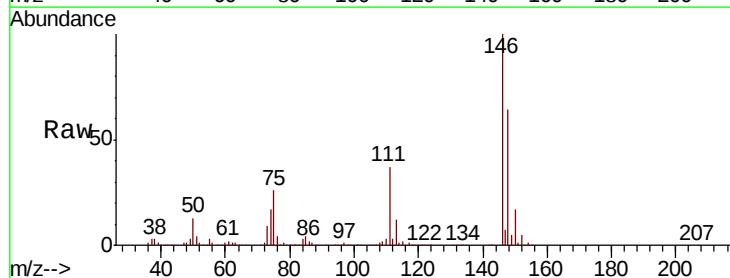
Manual Integrations
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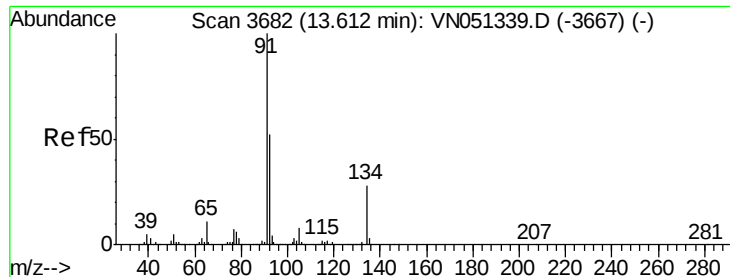
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#88
 1,4-Dichlorobenzene
 Concen: 150.199 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN051341.D
 Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.2	54.6
148	64.2	32.5	97.4





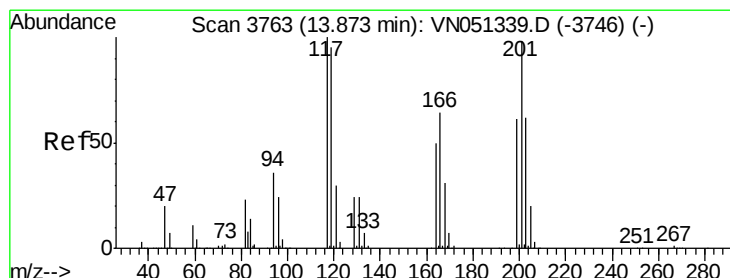
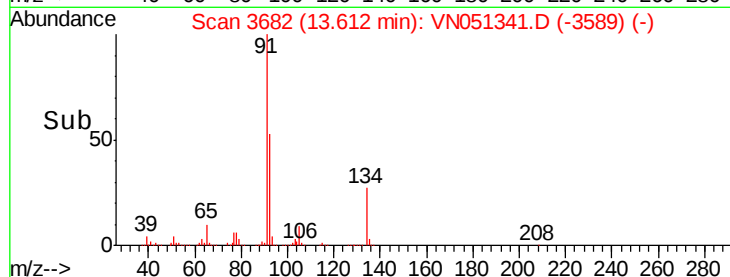
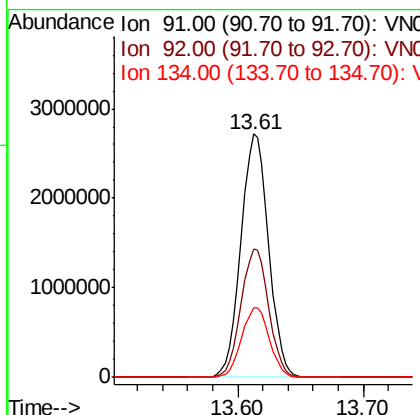
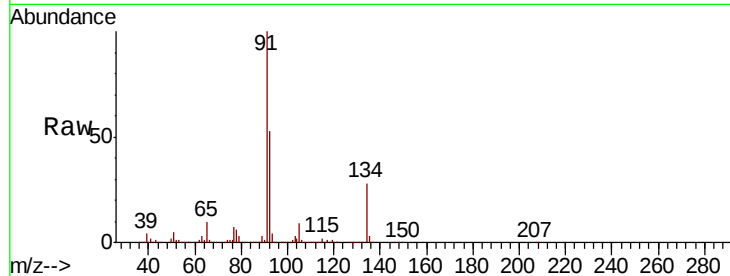
#89
n-Butylbenzene
Concen: 169.123 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	28.8	14.1	42.4

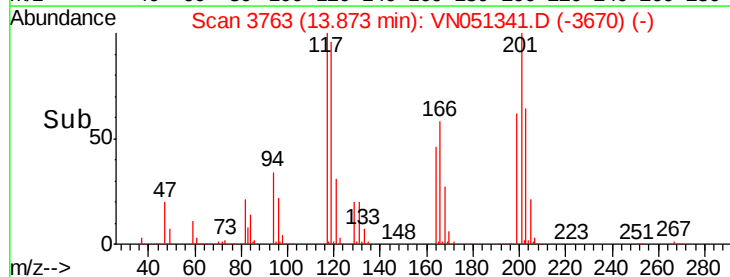
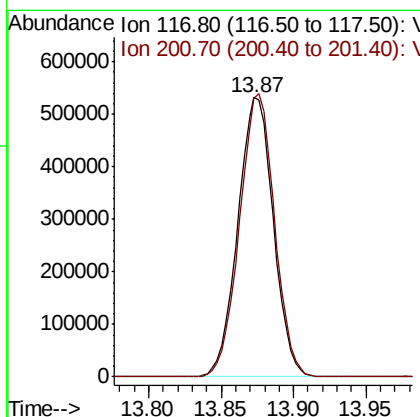
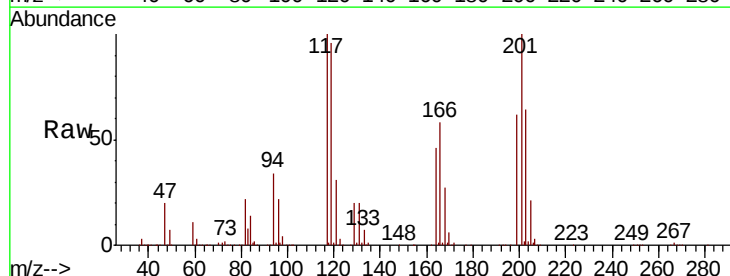
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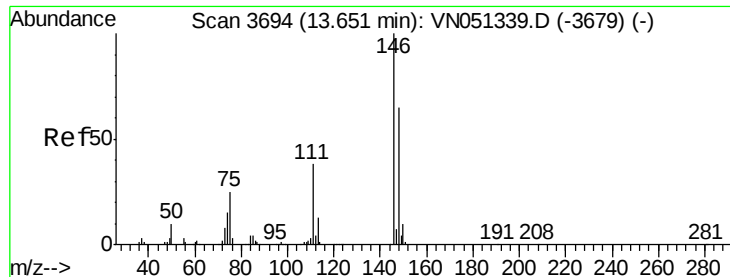
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#90
Hexachloroethane
Concen: 133.712 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	49.5	148.3





#91

1,2-Dichlorobenzene

Concen: 143.452 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2421698

Ion Ratio Lower Upper

146 100

111 39.1 19.3 57.8

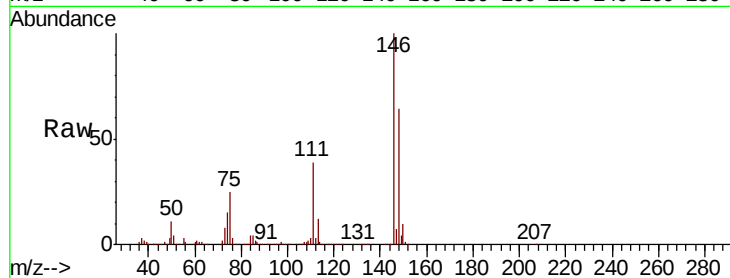
148 64.4 32.9 98.7

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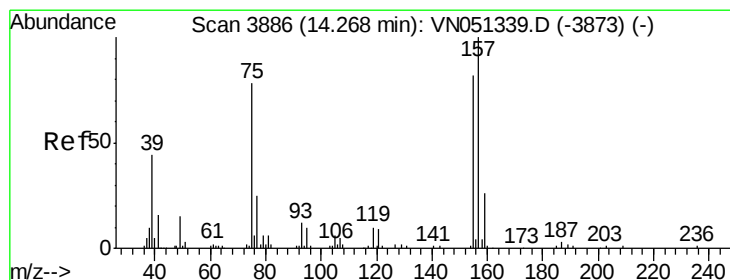
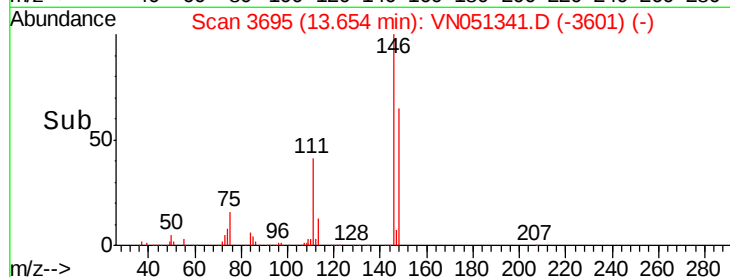
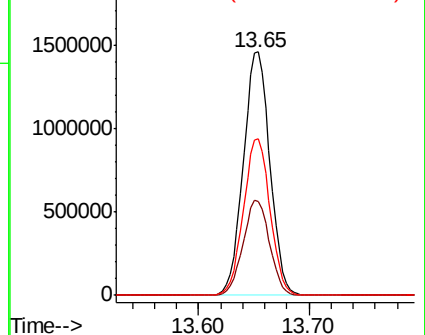
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Abundance Ion 145.90 (145.60 to 146.60): V

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: 144.427 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

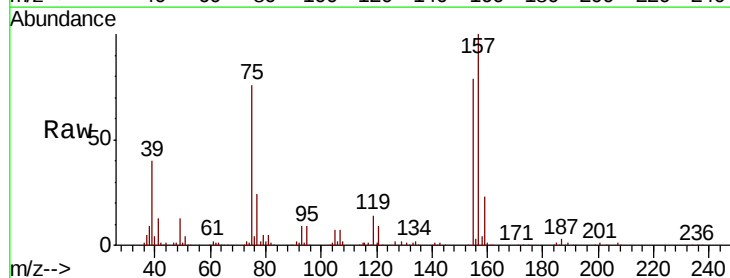
Tgt Ion: 75 Resp: 177639

Ion Ratio Lower Upper

75 100

155 103.7 51.4 154.2

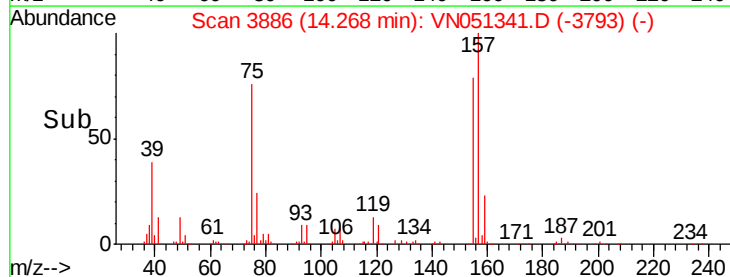
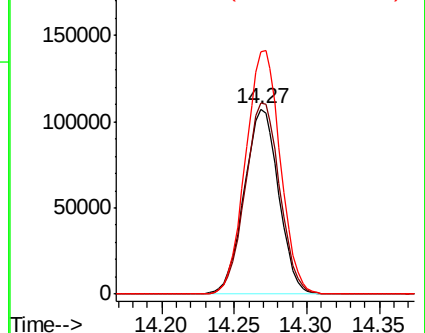
157 132.4 65.4 196.2

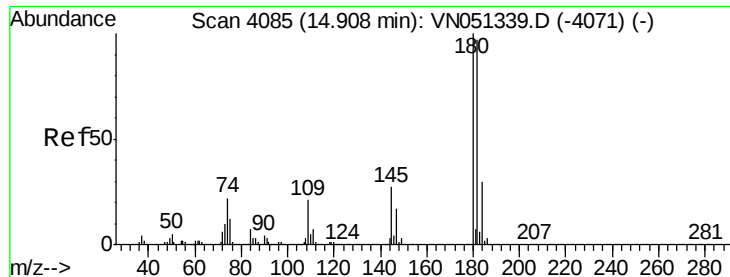


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 202.730 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051341.D

Acq: 20 Sep 2018 15:30

Instrument :

MSVOA_N

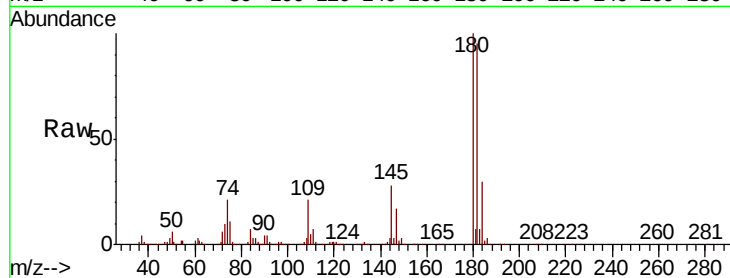
ClientSampleId :

VSTDIC150

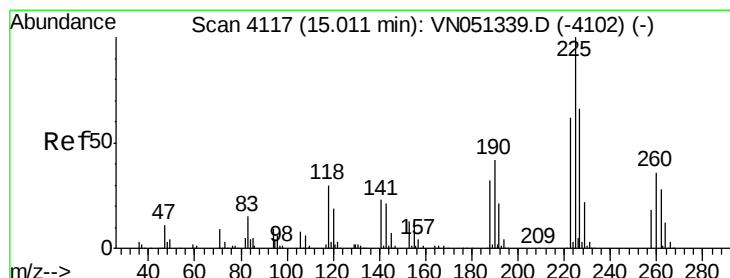
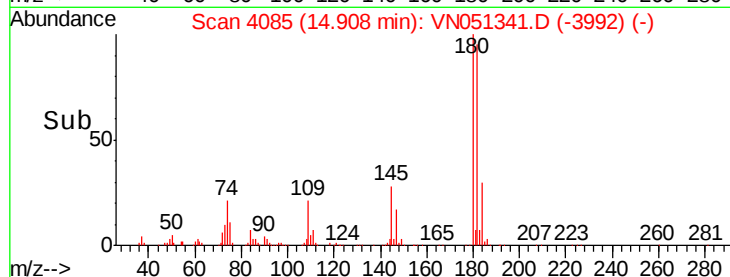
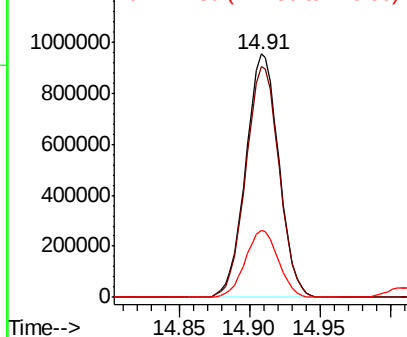
Tot Ion:	180	Resp:	1568897
Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.2
145	27.6	13.7	41.1

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 140.998 ug/l

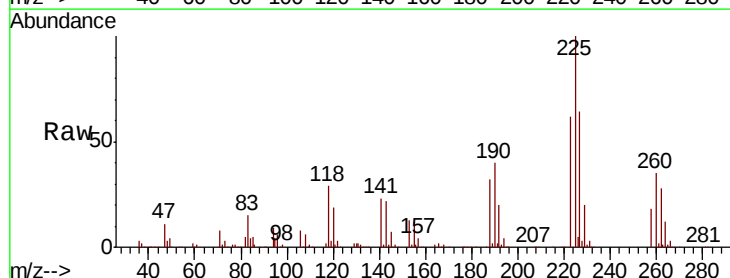
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

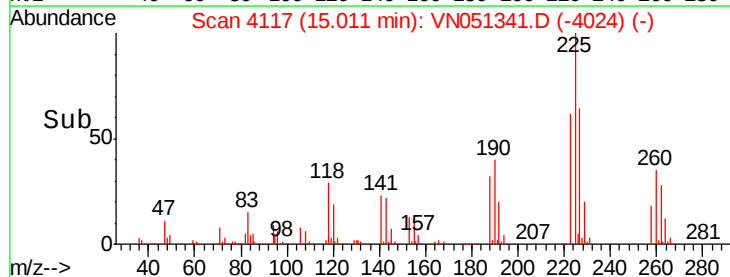
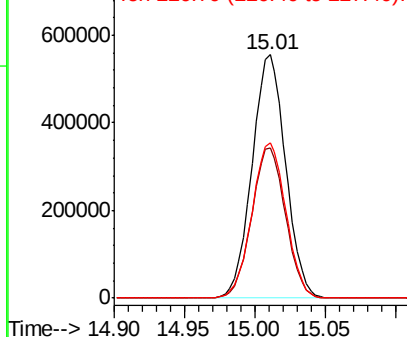
Lab File: VN051341.D

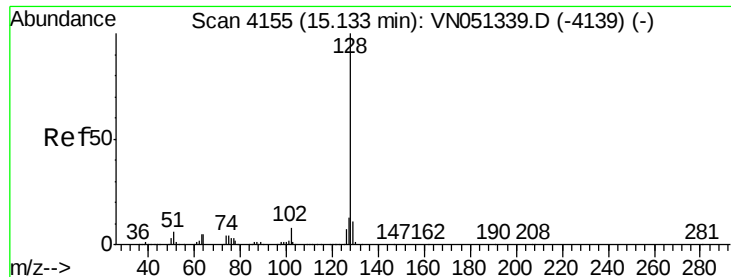
Acq: 20 Sep 2018 15:30

Tgt Ion:	225	Resp:	923750
Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.2	93.6
227	64.6	32.8	98.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





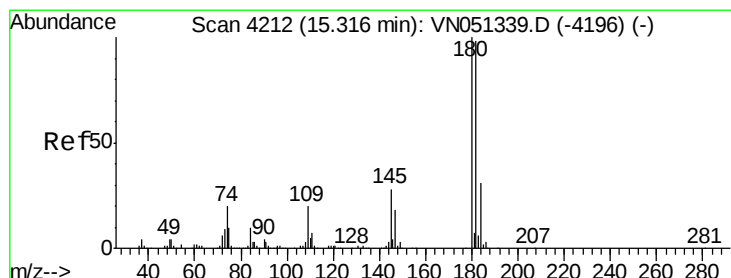
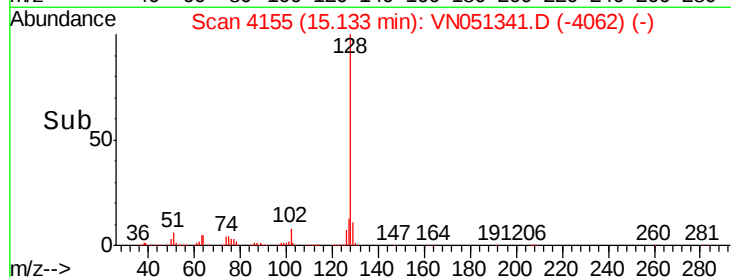
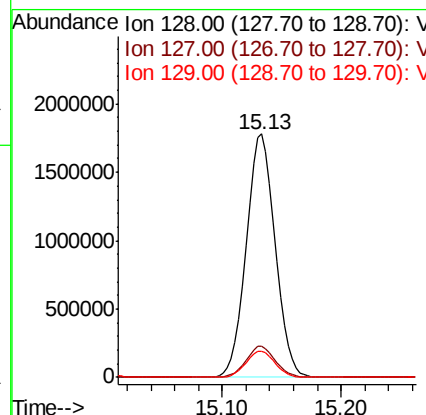
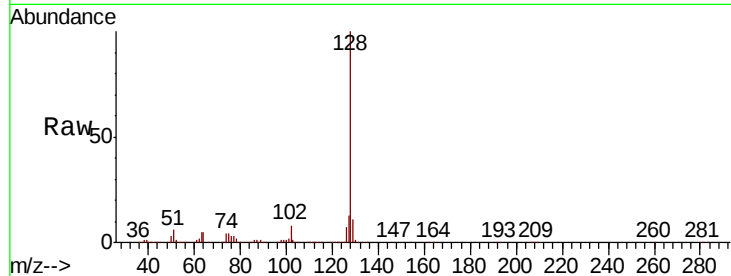
#95
Naphthalene
Concen: 218.794 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 191.251 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051341.D
Acq: 20 Sep 2018 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.3
145	28.9	14.3	42.9

