

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051268.D
 Acq On : 17 Sep 2018 12:00
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:50 PM

Quant Time: Sep 18 05:42:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	563336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	760295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	378200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	612416	98.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.36%	
35) Dibromofluoromethane	7.59	113	613175	106.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.02%	
50) Toluene-d8	10.09	98	2340576	107.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.88%	
62) 4-Bromofluorobenzene	12.40	95	791905	110.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	542724	98.18	ug/l	99
3) Chloromethane	2.06	50	705118	90.62	ug/l	98
4) Vinyl Chloride	2.18	62	712569	94.96	ug/l	99
5) Bromomethane	2.55	94	433172	86.23	ug/l	98
6) Chloroethane	2.70	64	423392	91.64	ug/l	97
7) Trichlorofluoromethane	3.01	101	982225	98.23	ug/l	99
8) Diethyl Ether	3.41	74	337198	93.38	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	603145	94.08	ug/l	99
10) Methyl Iodide	3.95	142	643339	115.50	ug/l	100
11) Tert butyl alcohol	4.79	59	172491	370.99	ug/l	99
12) 1,1-Dichloroethene	3.73	96	572360	95.18	ug/l	99
13) Acrolein	3.61	56	251292	461.11	ug/l	99
14) Allyl chloride	4.32	41	864731	94.79	ug/l	100
15) Acrylonitrile	4.99	53	921897	439.34	ug/l	99
16) Acetone	3.82	43	656024	379.23	ug/l	99
17) Carbon Disulfide	4.05	76	1747157	87.97	ug/l	100
18) Methyl Acetate	4.32	43	410786	82.43	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1451915	92.40	ug/l	99
20) Methylene Chloride	4.55	84	635426	91.49	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	610513	93.41	ug/l	98
22) Diisopropyl ether	5.95	45	1705504	94.32	ug/l	98
23) Vinyl Acetate	5.90	43	5722692	469.85	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1067615	92.46	ug/l	99
25) 2-Butanone	6.84	43	965491	400.22	ug/l	99
26) 2,2-Dichloropropane	6.83	77	882213	93.38	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	672784	94.21	ug/l	99
28) Bromochloromethane	7.19	49	468314	92.55	ug/l	99
29) Tetrahydrofuran	7.21	42	631349	418.53	ug/l	99
30) Chloroform	7.37	83	1087660	94.72	ug/l	100
31) Cyclohexane	7.65	56	985759	84.66	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	942883	95.92	ug/l	99
36) 1,1-Dichloropropene	7.79	75	860144	102.14	ug/l	100
37) Ethyl Acetate	6.93	43	434409	90.91	ug/l	99
38) Carbon Tetrachloride	7.78	117	870981	104.13	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	998937	107.72	ug/l	97
40) Benzene	8.04	78	2548794	100.62	ug/l	99
41) Methacrylonitrile	7.17	41	214169	85.01	ug/l	88
42) 1,2-Dichloroethane	8.13	62	733561	99.28	ug/l	99
43) Isopropyl Acetate	8.17	43	785135	93.21	ug/l #	87
44) Trichloroethene	8.84	130	698024	100.45	ug/l	97
45) 1,2-Dichloropropane	9.12	63	652886	99.92	ug/l	98
46) Dibromomethane	9.21	93	382538	95.81	ug/l	99
47) Bromodichloromethane	9.40	83	834639	102.35	ug/l	99
48) Methyl methacrylate	9.20	41	396332	96.38	ug/l	100
49) 1,4-Dioxane	9.20	88	113893	1776.75	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2081409	447.42	ug/l	100
52) Toluene	10.16	92	1610394	104.32	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	856510	105.81	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	997106	104.74	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	545957	97.73	ug/l	98
56) Ethyl methacrylate	10.43	69	682627	103.25	ug/l	98
57) 1,3-Dichloropropane	10.71	76	918790	99.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1585221	577.37	ug/l	99
59) 2-Hexanone	10.75	43	1372283	437.00	ug/l	98
60) Dibromochloromethane	10.90	129	665668	104.73	ug/l	99
61) 1,2-Dibromoethane	11.01	107	553129	101.03	ug/l	99
64) Tetrachloroethene	10.63	164	645539	97.92	ug/l	98
65) Chlorobenzene	11.43	112	1795403	99.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	661646	101.17	ug/l	100
67) Ethyl Benzene	11.51	91	3045986	104.29	ug/l	100
68) m/p-Xylenes	11.62	106	2393815	212.98	ug/l	100
69) o-Xylene	11.95	106	1154875	106.07	ug/l	100
70) Styrene	11.96	104	1863287	110.50	ug/l	100
71) Bromoform	12.13	173	468424	102.36	ug/l #	99
73) Isopropylbenzene	12.25	105	3033298	95.28	ug/l	100
74) N-amyl acetate	12.07	43	650495	83.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	645964	76.76	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	472164m	69.81	ug/l	
77) Bromobenzene	12.53	156	792665	92.46	ug/l	99
78) n-propylbenzene	12.59	91	3408103	97.38	ug/l	100
79) 2-Chlorotoluene	12.67	91	2016234	92.17	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2515435	97.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	174362	88.80	ug/l	99
82) 4-Chlorotoluene	12.77	91	2029974	93.67	ug/l	100
83) tert-Butylbenzene	12.99	119	2180733	95.92	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2525481	99.71	ug/l	100
85) sec-Butylbenzene	13.17	105	2839888	97.32	ug/l	100
86) p-Isopropyltoluene	13.29	119	2557111	103.46	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1370532	94.49	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1333031	93.33	ug/l	100
89) n-Butylbenzene	13.61	91	2003015	104.76	ug/l	99
90) Hexachloroethane	13.87	117	460459	90.59	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1290635	91.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	90868	74.64	ug/l	97

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ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 18 05:29:31 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	653531	109.51	ug/l	98
94) Hexachlorobutadiene	15.01	225	425687	85.17	ug/l	99
95) Naphthalene	15.13	128	1213356	97.17	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	604923	97.44	ug/l	99

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

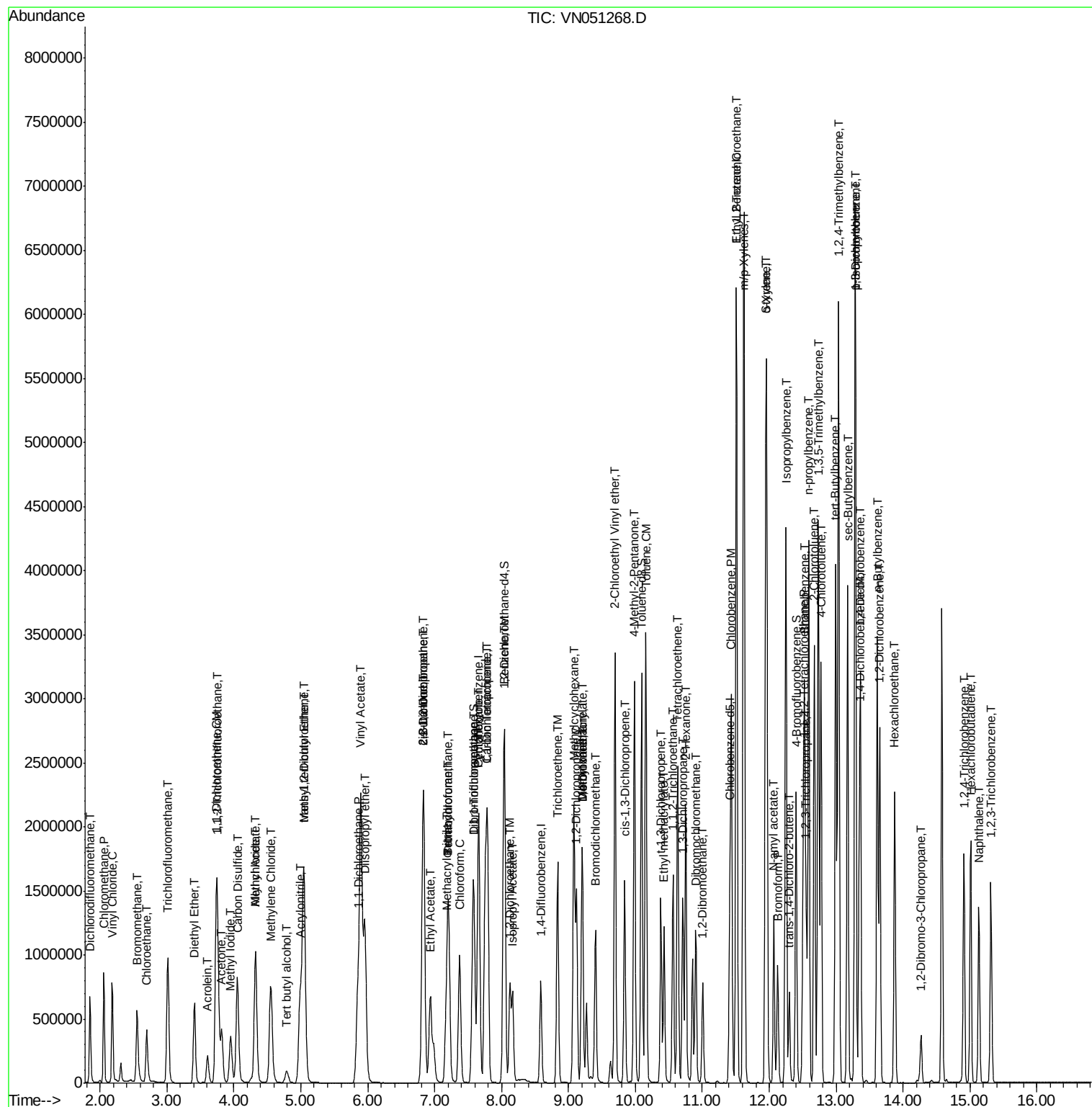
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Data File : VN051268.D
Acq On : 17 Sep 2018 12:00
Operator : MD\SY
Sample : VSTDICC100
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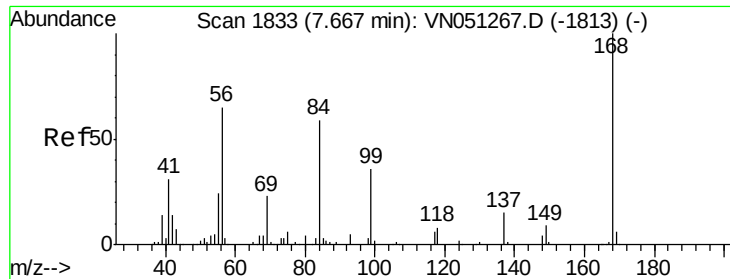
Instrument :
MSVOA_N
Client Sample Id :
VSTDICC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 563336

Ion Ratio Lower Upper

168 100

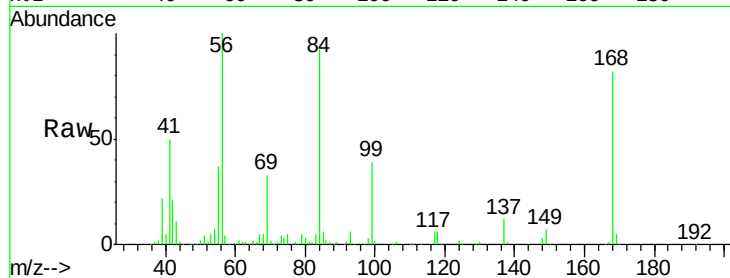
99 47.0 38.2 57.4

Manual Integrations

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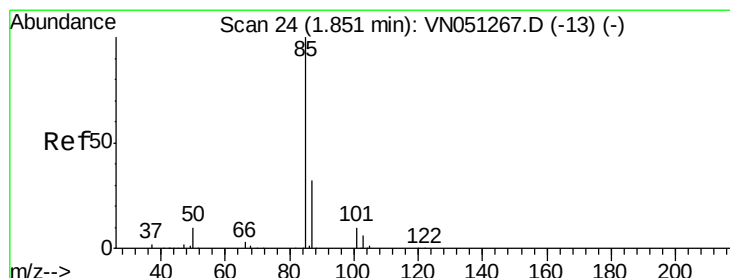
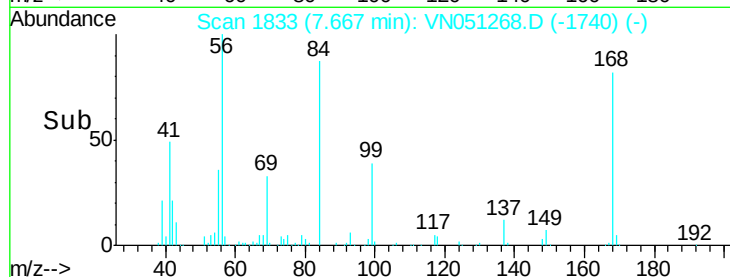
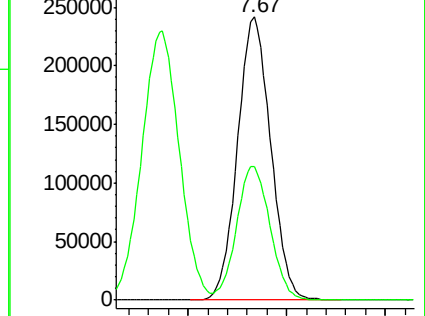
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 98.18 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051268.D

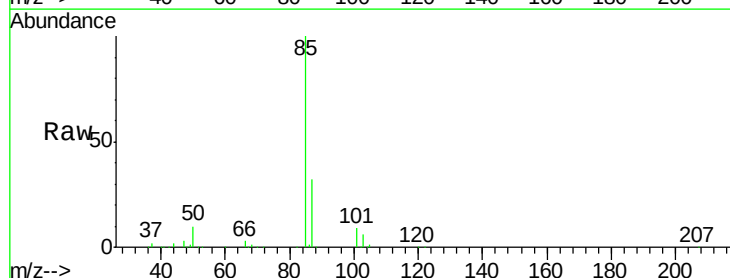
Acq: 17 Sep 2018 12:00

Tgt Ion: 85 Resp: 542724

Ion Ratio Lower Upper

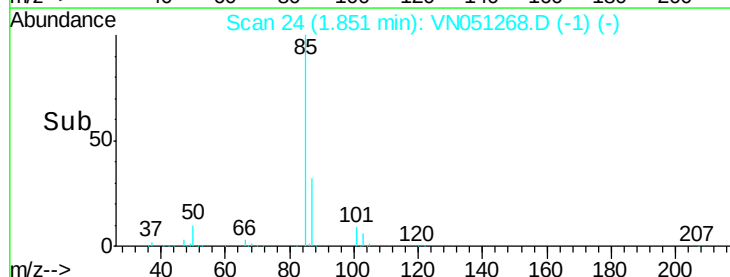
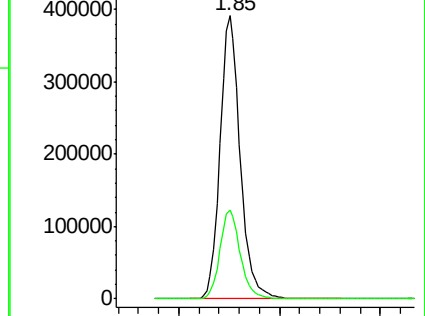
85 100

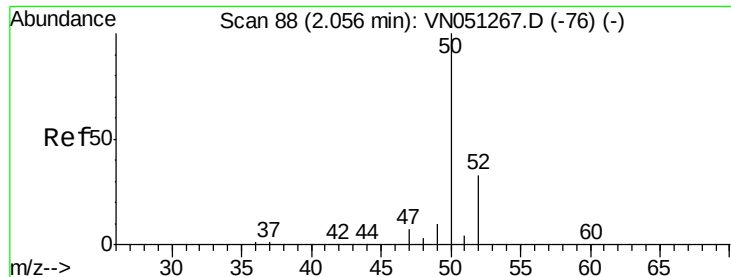
87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 90.62 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 705118

Ion Ratio Lower Upper

50 100

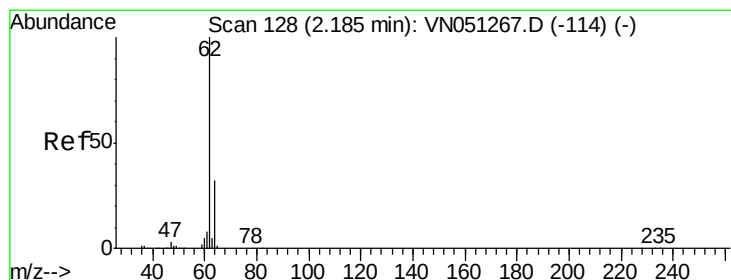
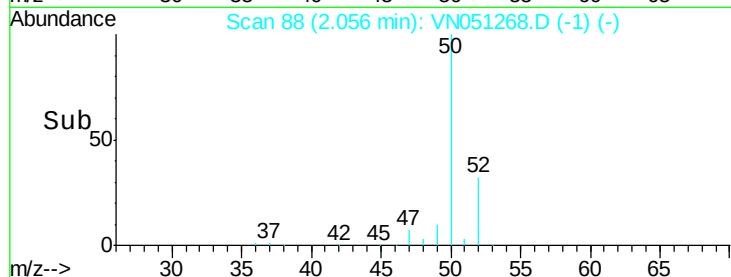
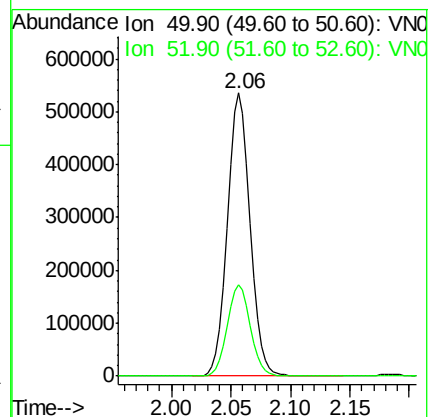
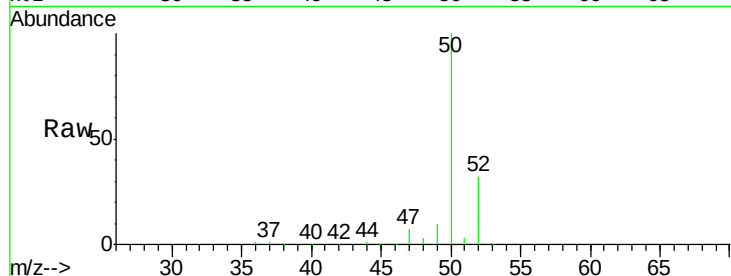
52 32.4 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 94.96 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051268.D

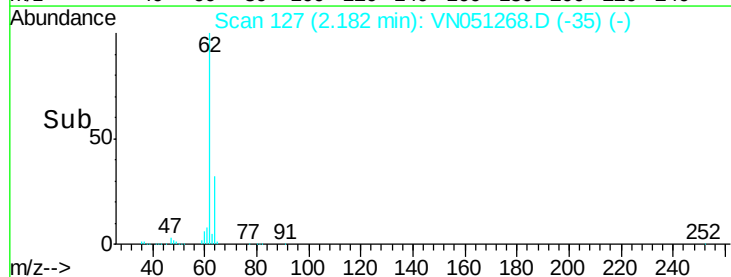
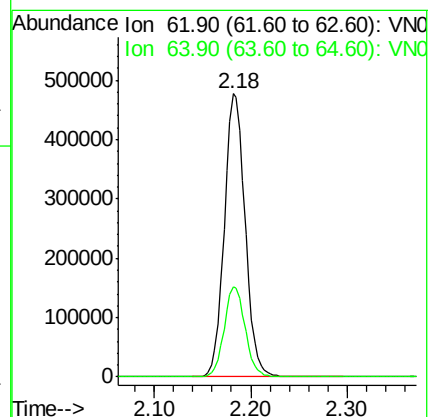
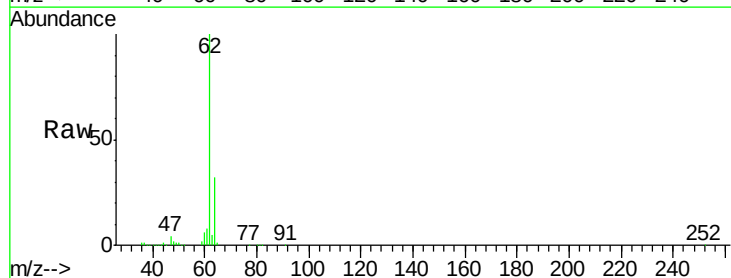
Acq: 17 Sep 2018 12:00

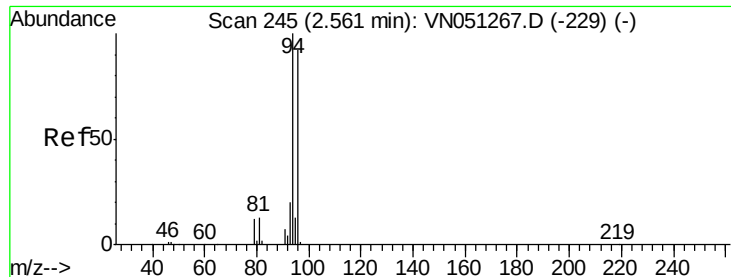
Tgt Ion: 62 Resp: 712569

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.6





#5

Bromomethane

Concen: 86.23 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 433172

Ion Ratio Lower Upper

94 100

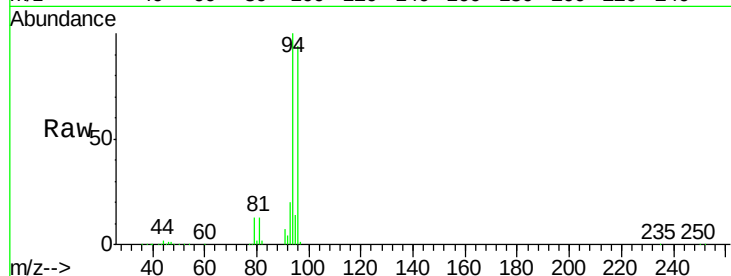
96 94.0 73.8 110.8

Manual Integrations

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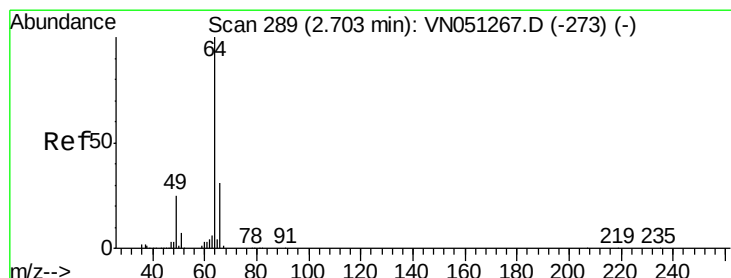
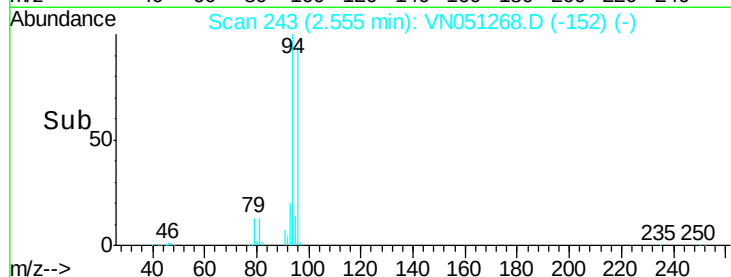
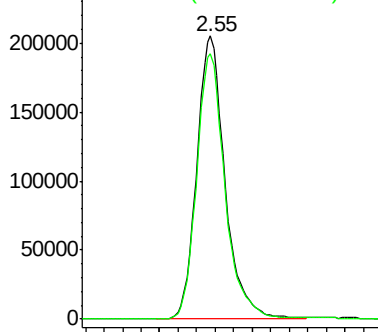
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 91.64 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN051268.D

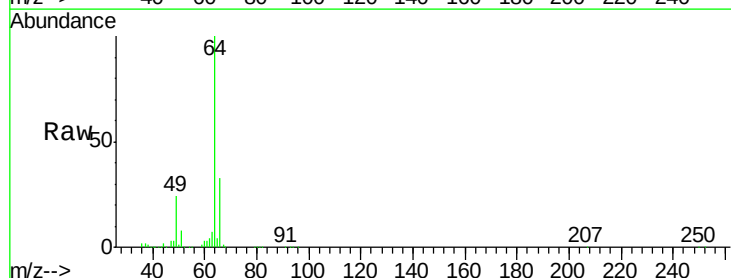
Acq: 17 Sep 2018 12:00

Tgt Ion: 64 Resp: 423392

Ion Ratio Lower Upper

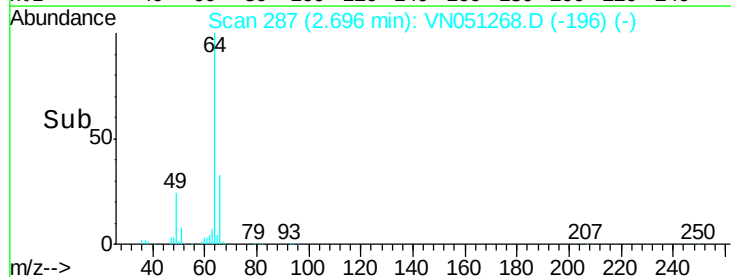
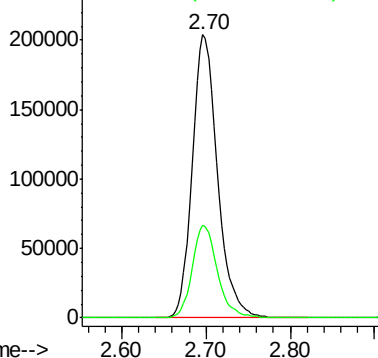
64 100

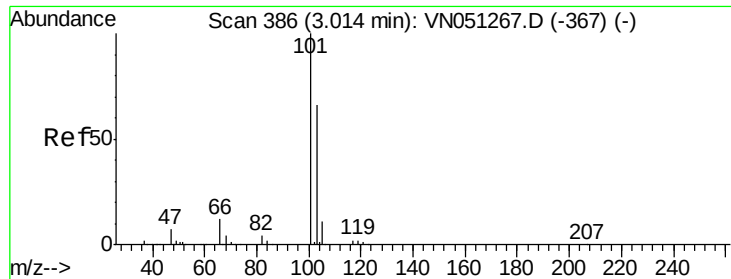
66 32.6 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

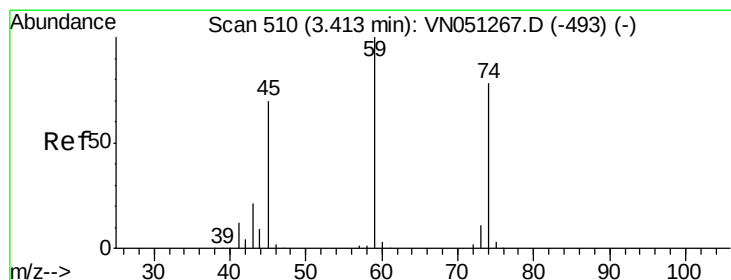
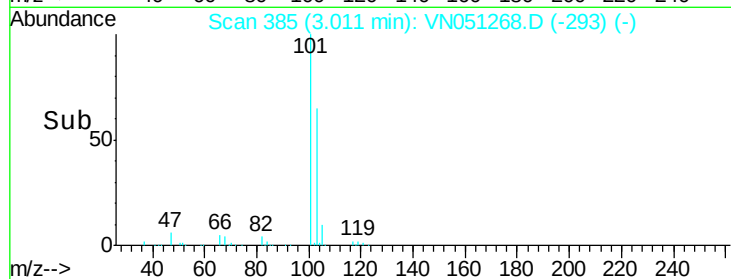
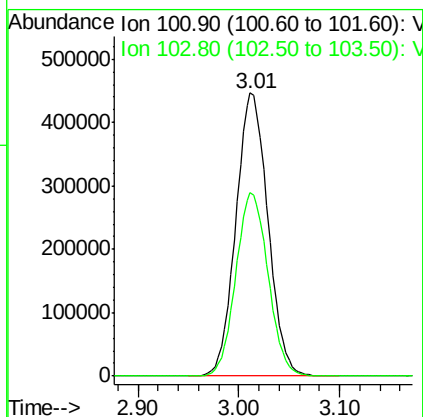
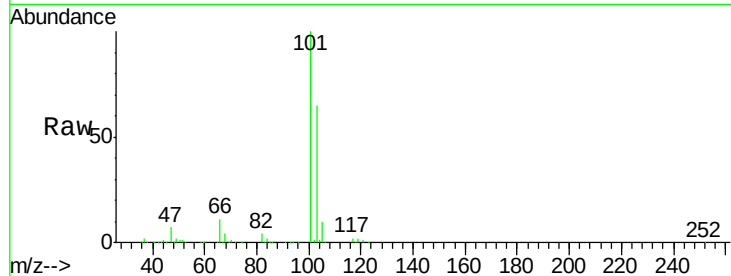
Trichlorofluoromethane
 Concen: 98.23 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.7	79.1

Manual Integrations
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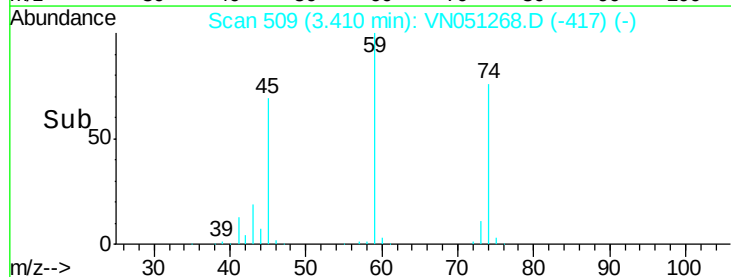
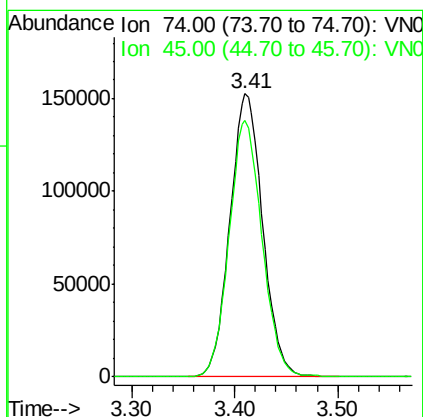
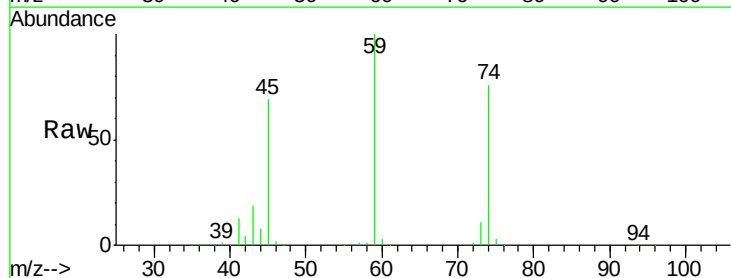
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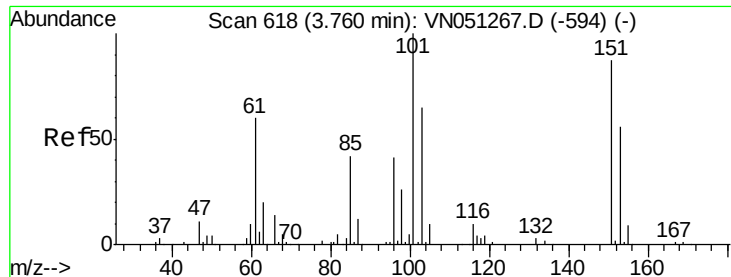


#8

Diethyl Ether
 Concen: 93.38 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.08 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

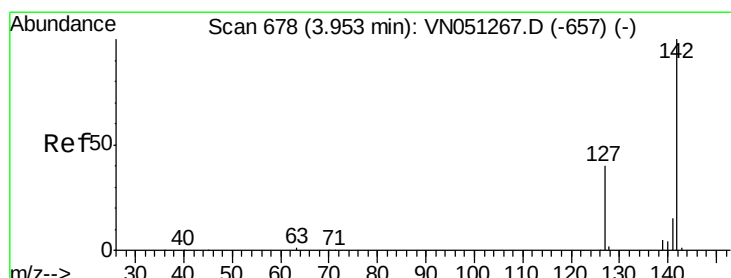
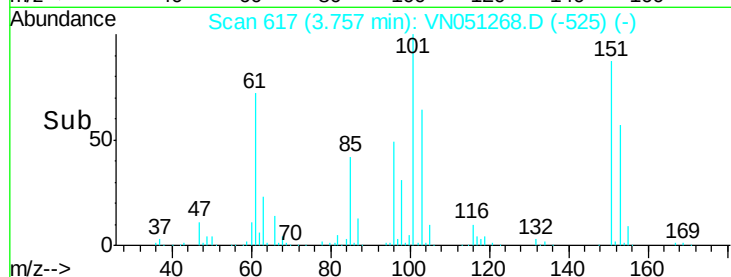
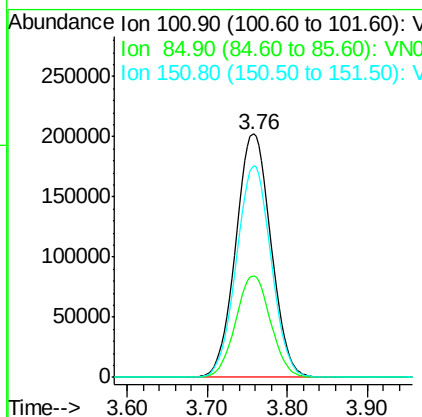
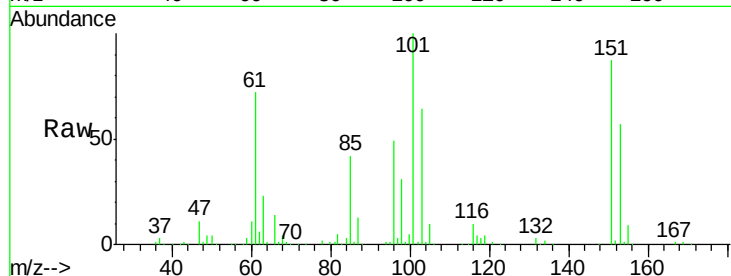
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	603145
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.0	49.6
151	86.0	69.8	104.8

Manual Integrations
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#10

Methyl Iodide

Concen: 115.50 ug/l

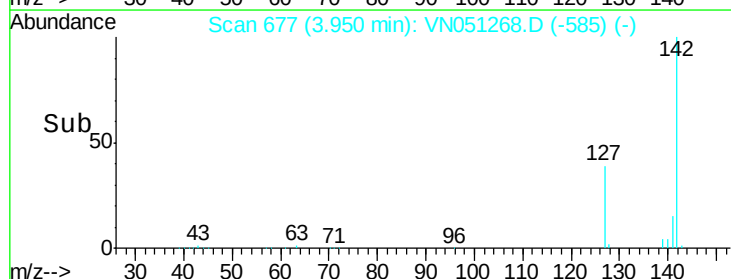
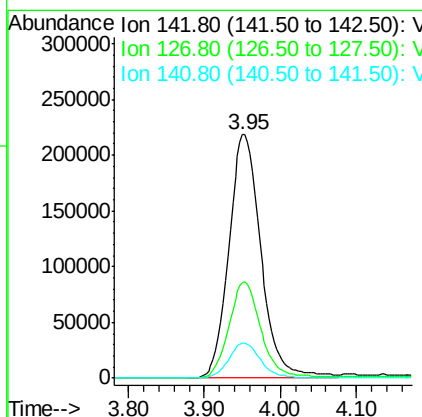
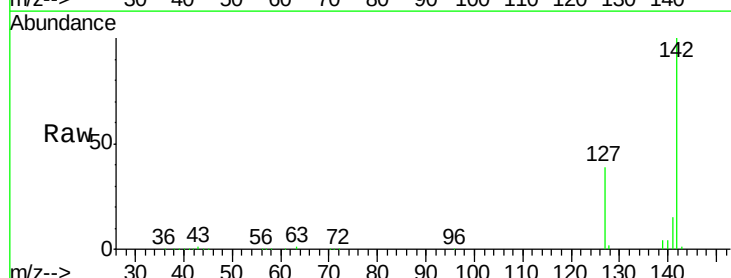
RT: 3.95 min Scan# 677

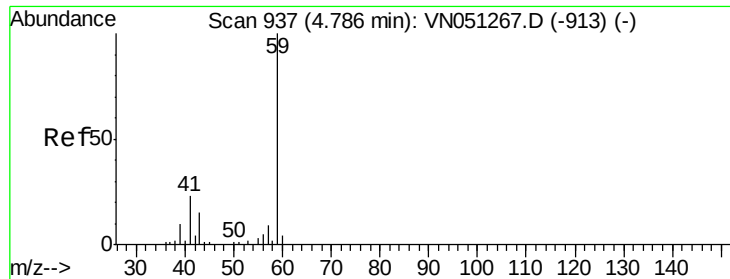
Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Tgt Ion:	142	Resp:	643339
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.7	47.5
141	14.2	11.6	17.4





#11

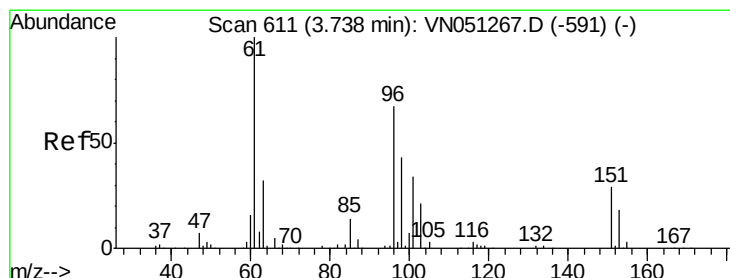
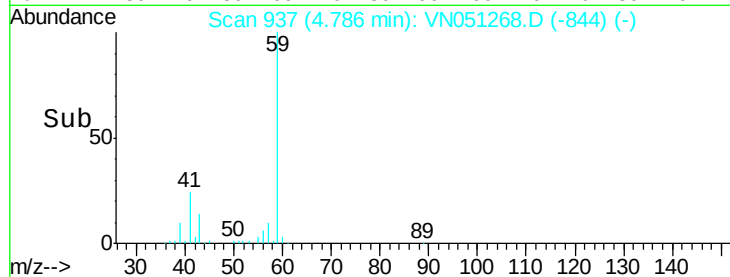
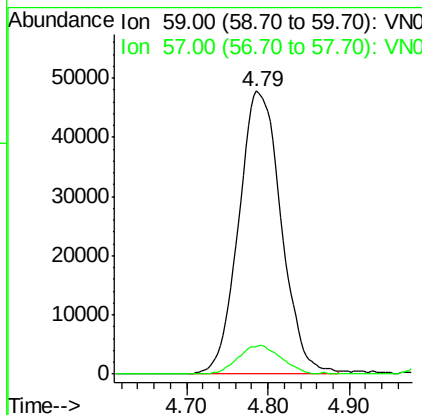
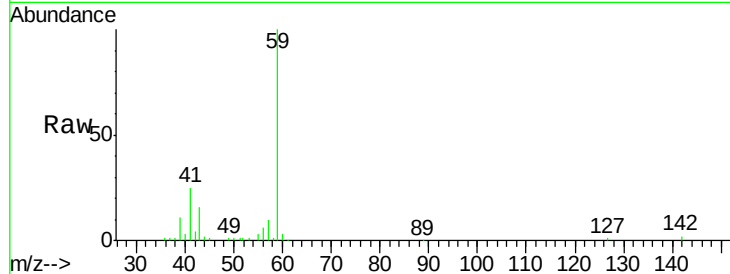
Tert butyl alcohol
 Concen: 370.99 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.9	11.9

Manual Integrations
 APPROVED

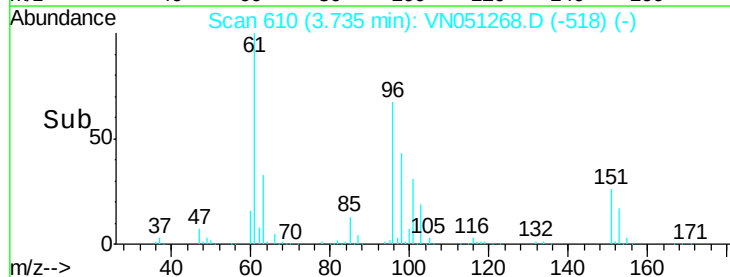
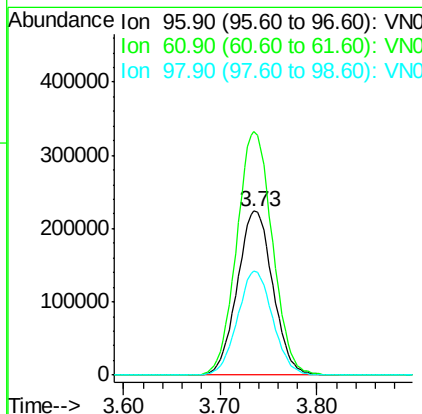
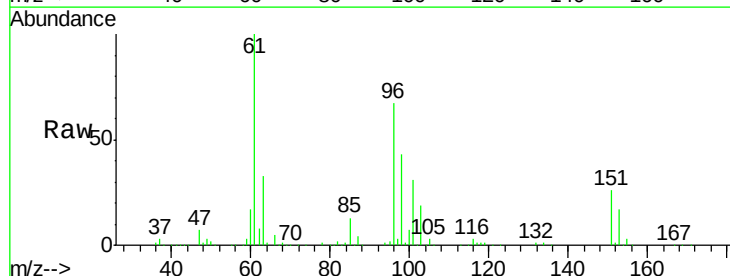
MMDadoda
 9/19/2018 4:57:50 PM

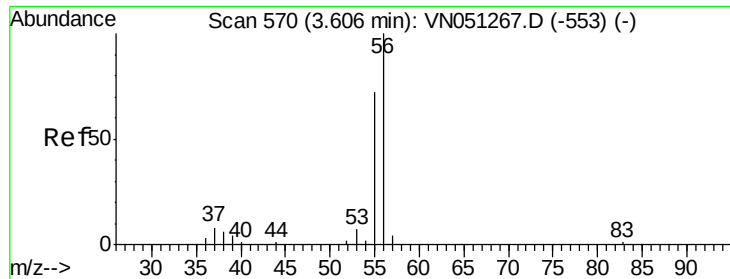


#12

1,1-Dichloroethene
 Concen: 95.18 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.3	119.3	178.9
98	63.6	51.8	77.6





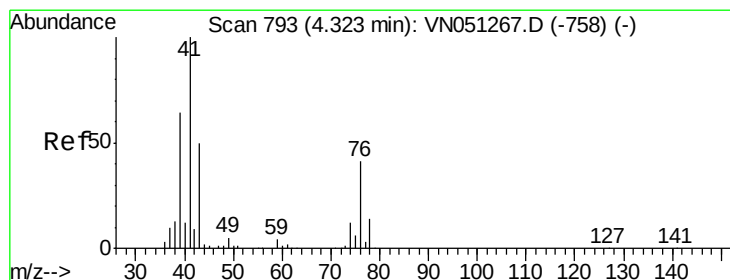
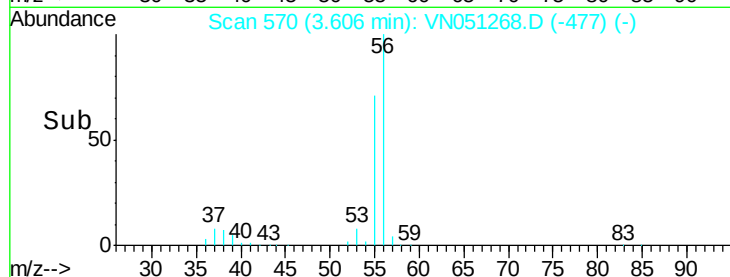
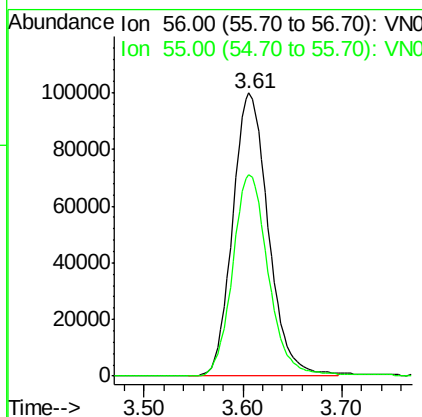
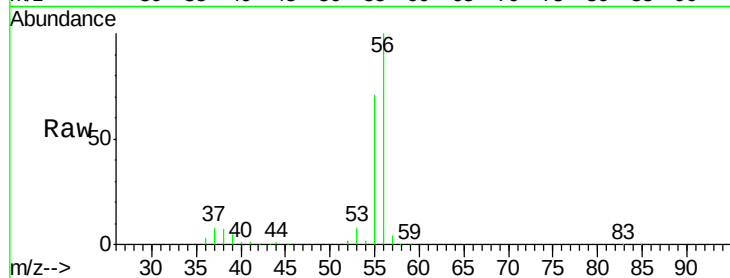
#13
Acrolein
Concen: 461.11 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	56	55	Ratio	100	Resp	251292
Ion	56	55	Ratio	100	Lower	Upper
					56.4	84.6

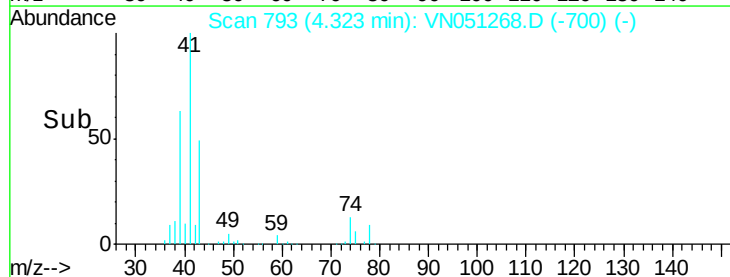
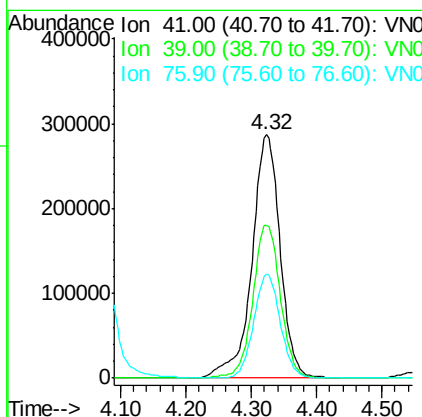
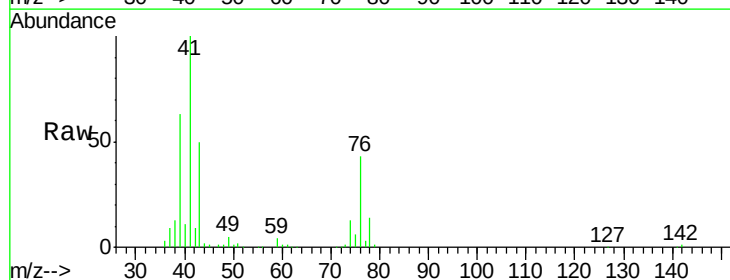
Manual Integrations
APPROVED

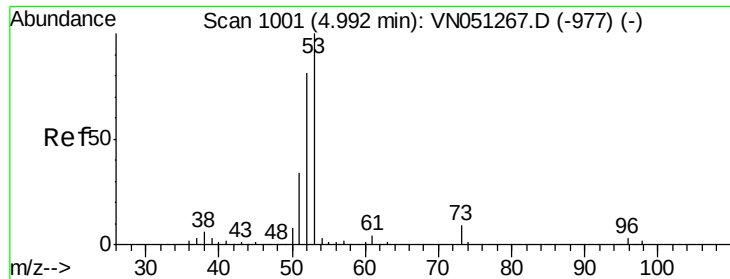
MMDadoda
9/19/2018 4:57:50 PM



#14
Allyl chloride
Concen: 94.79 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	41	39	76	Ratio	100	Resp	864731
Ion	41	39	76	Ratio	100	Lower	Upper
						49.0	73.4
						31.4	47.0





#15

Acrylonitrile

Concen: 439.34 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

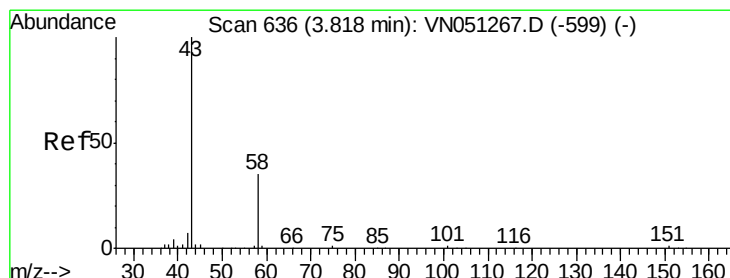
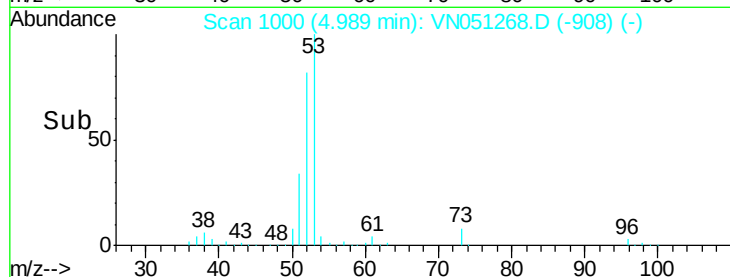
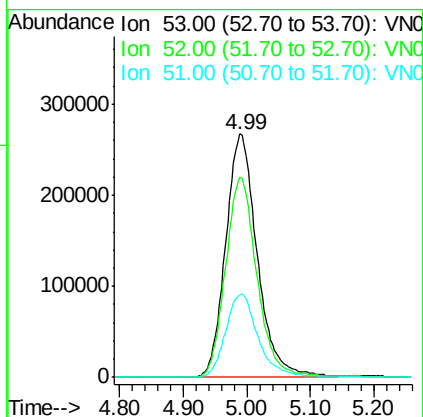
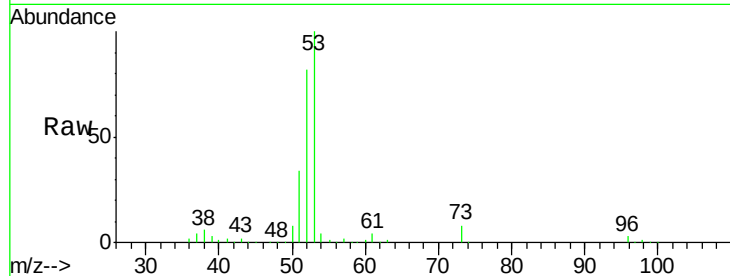
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	921897
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.0	97.6
51	35.4	28.0	42.0

Manual Integrations
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9/19/2018 4:57:50 PM



#16

Acetone

Concen: 379.23 ug/l

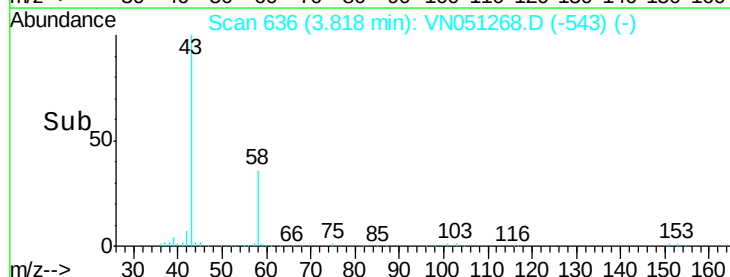
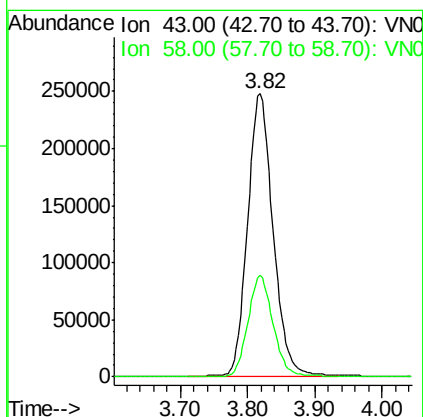
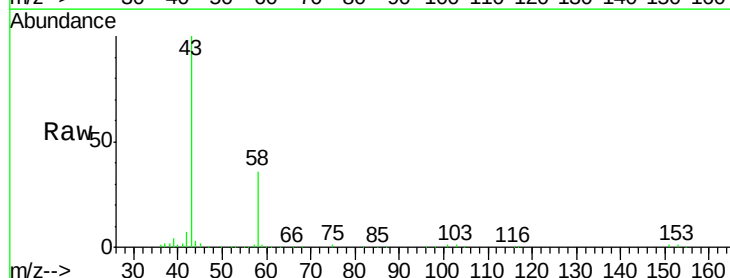
RT: 3.82 min Scan# 636

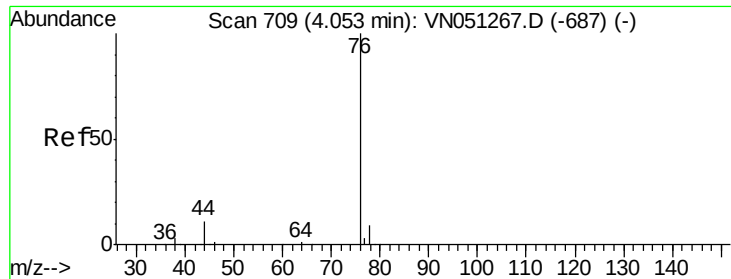
Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Tgt Ion:	43	Resp:	656024
Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.2	42.2





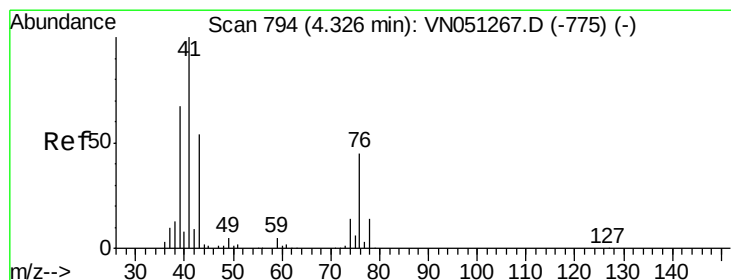
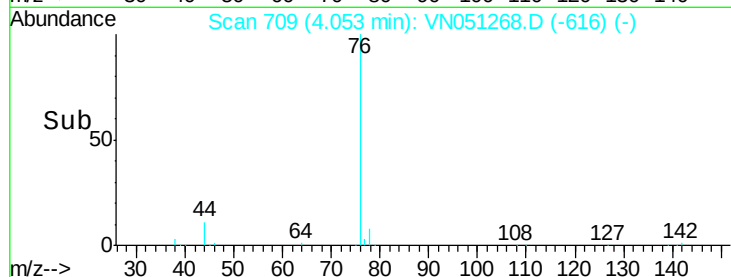
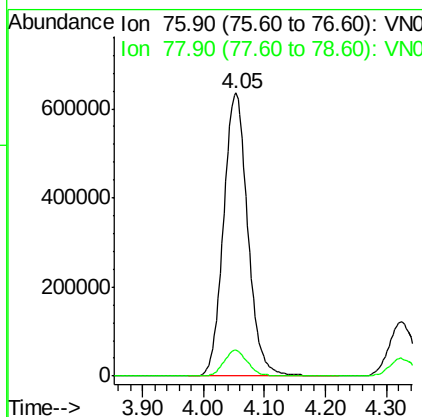
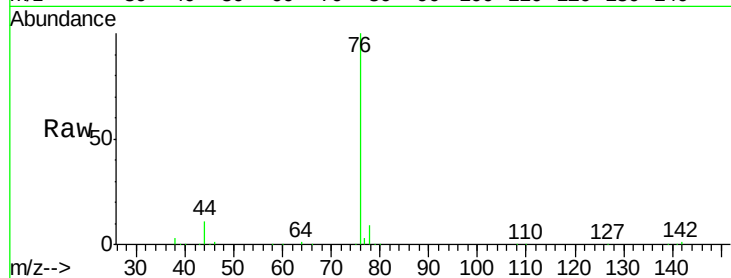
#17
Carbon Disulfide
Concen: 87.97 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1747157
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

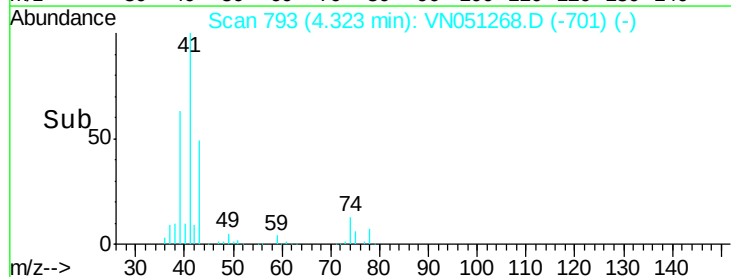
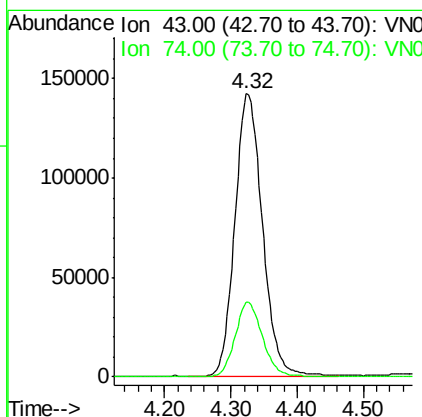
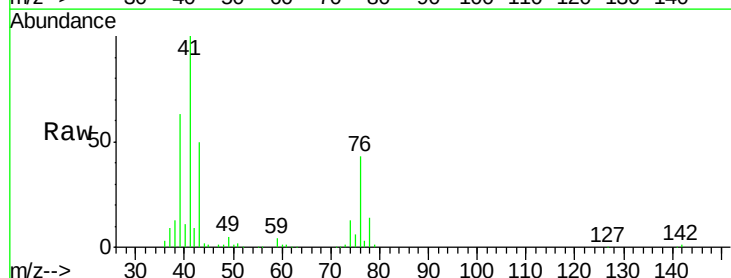
Manual Integrations
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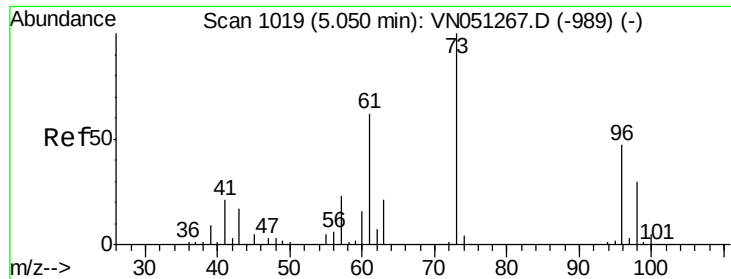
MMDadoda
9/19/2018 4:57:50 PM



#18
Methyl Acetate
Concen: 82.43 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion: 43 Resp: 410786
Ion Ratio Lower Upper
43 100
74 26.1 20.8 31.2





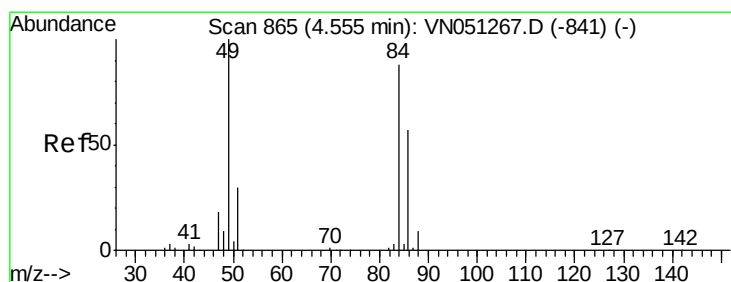
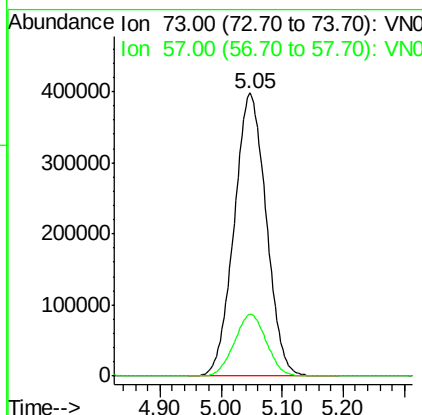
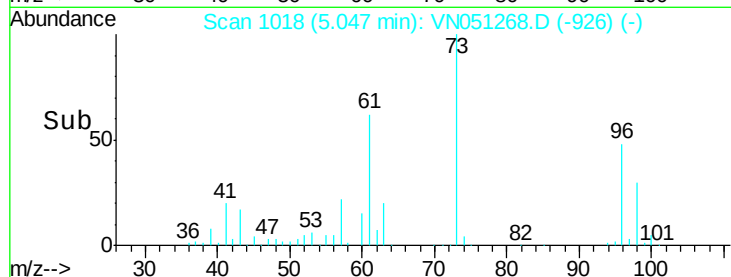
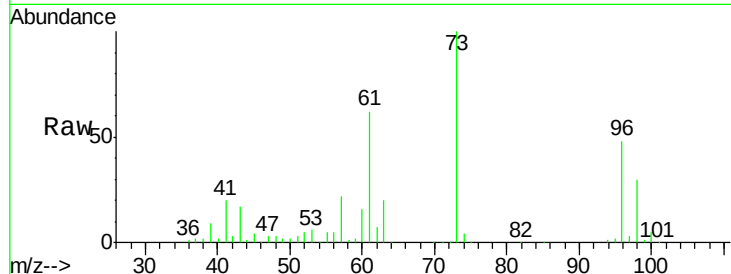
#19
Methyl tert-butyl Ether
Concen: 92.40 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1451915
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1

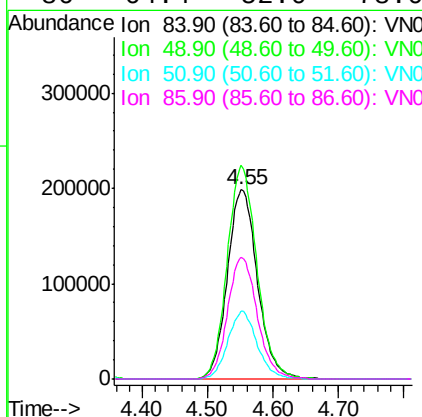
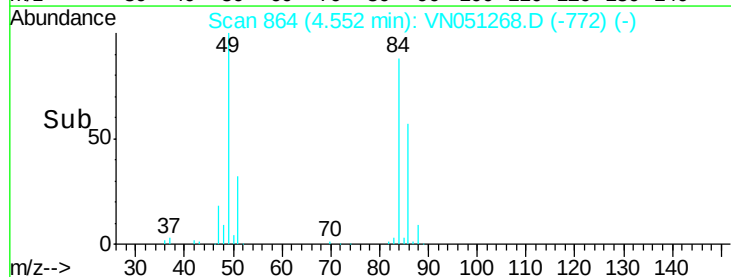
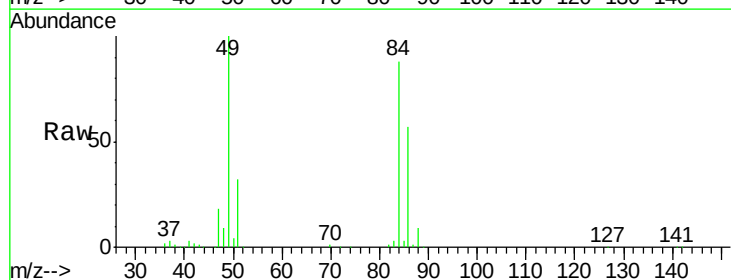
Manual Integrations
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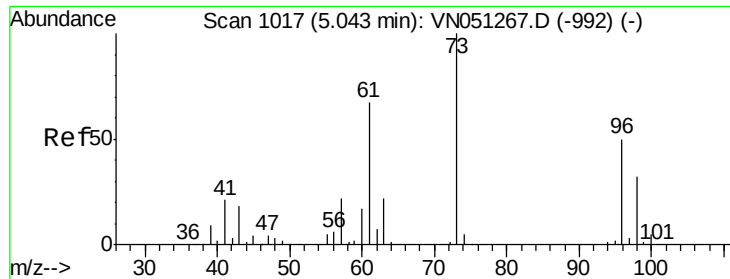
MMDadoda
9/19/2018 4:57:50 PM



#20
Methylene Chloride
Concen: 91.49 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion: 84 Resp: 635426
Ion Ratio Lower Upper
84 100
49 113.1 91.2 136.8
51 35.7 27.7 41.5
86 64.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 93.41 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 610513

Ion Ratio Lower Upper

96 100

61 130.1 106.7 160.1

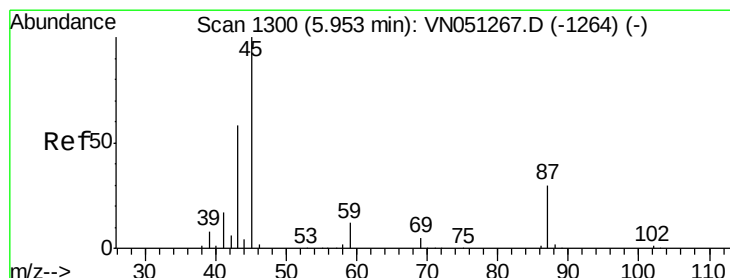
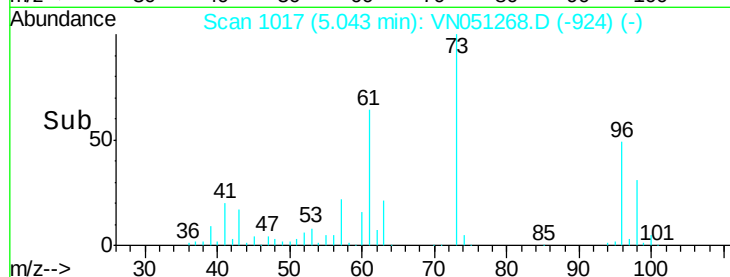
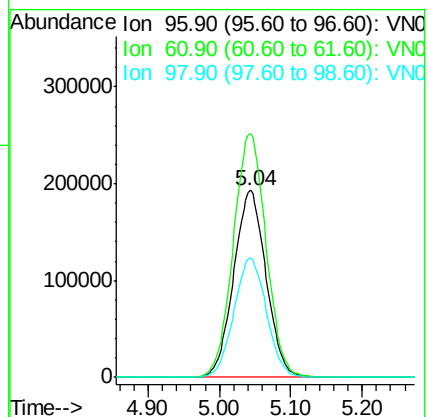
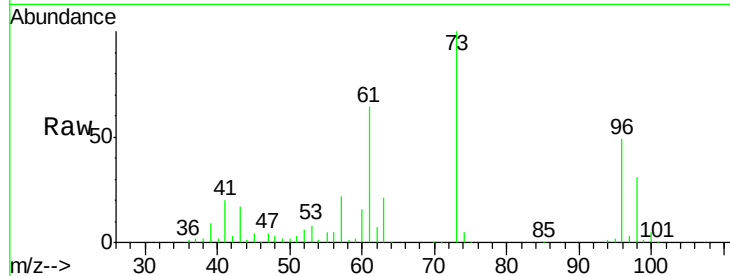
98 63.7 51.4 77.0

Manual Integrations

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9/19/2018 4:57:50 PM



#22

Diisopropyl ether

Concen: 94.32 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Tgt Ion: 45 Resp: 1705504

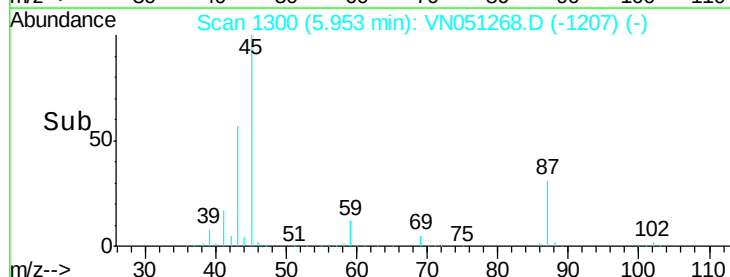
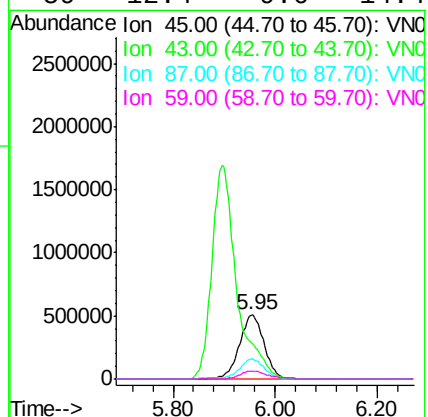
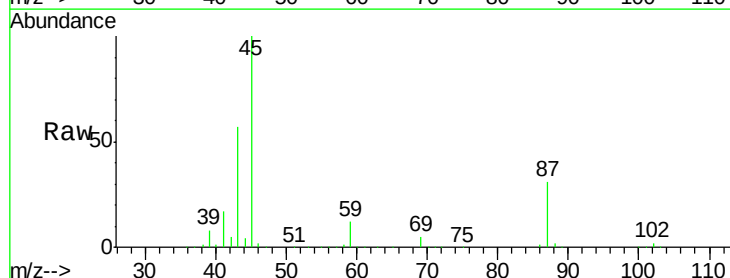
Ion Ratio Lower Upper

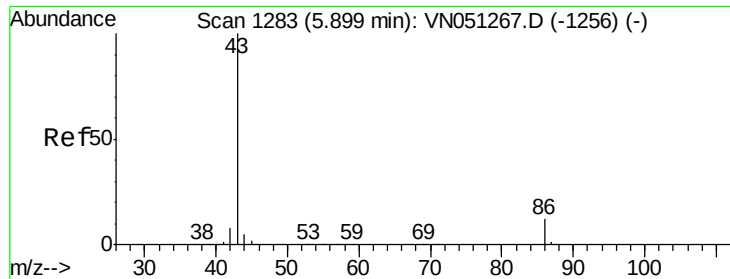
45 100

43 56.4 46.7 70.1

87 31.1 24.6 36.8

59 12.4 9.6 14.4





#23

Vinyl Acetate

Concen: 469.85 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5722692

Ion Ratio Lower Upper

43 100

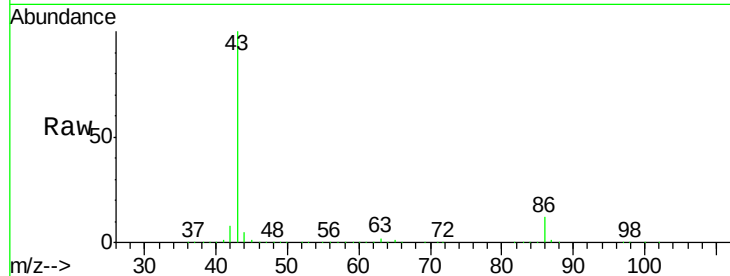
86 11.7 9.3 13.9

Manual Integrations

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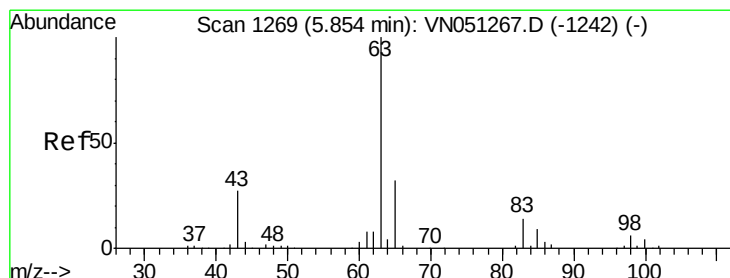
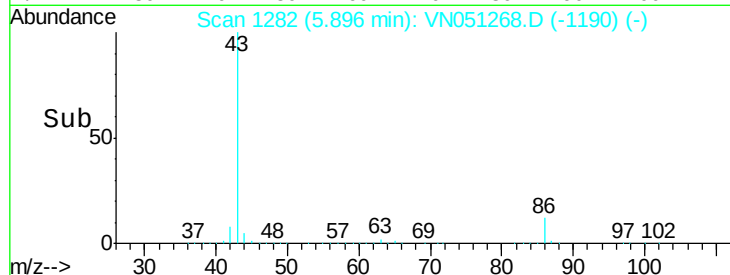
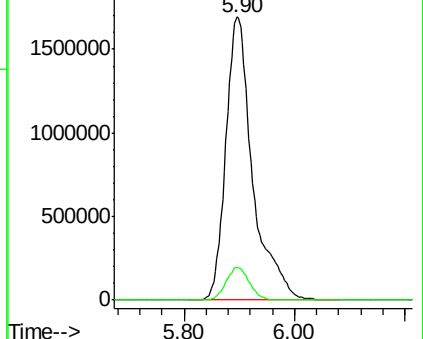
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 92.46 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

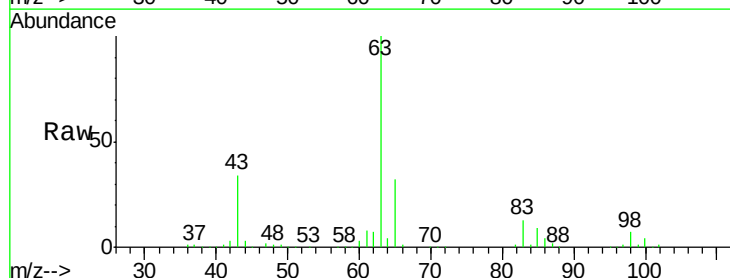
Tgt Ion: 63 Resp: 1067615

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

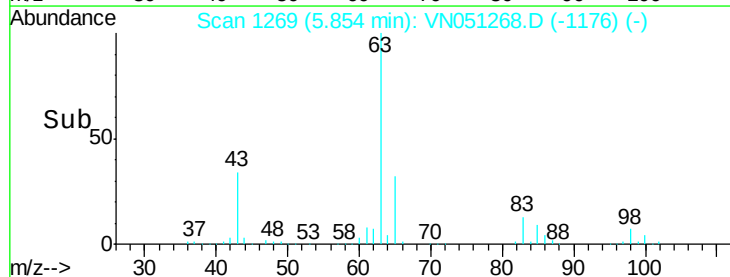
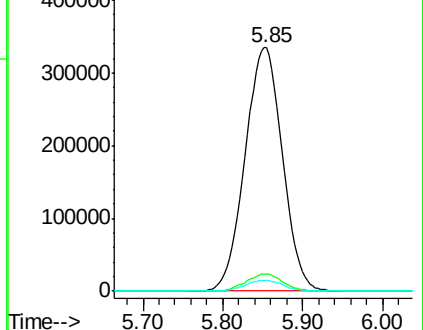
100 4.3 2.3 6.8

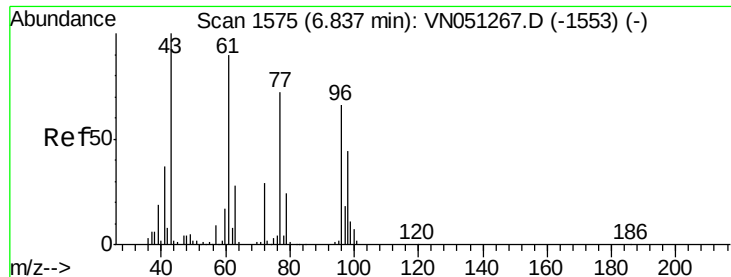


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 400.22 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 965491

Ion Ratio Lower Upper

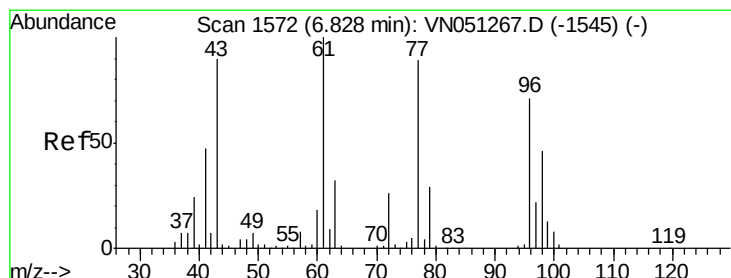
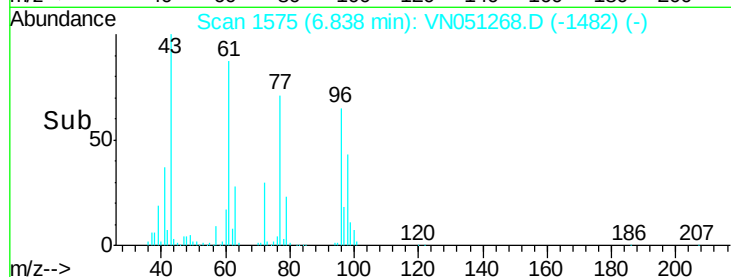
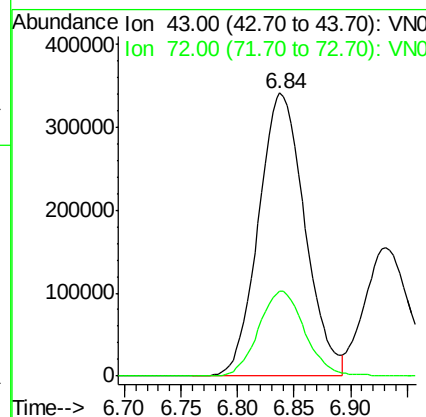
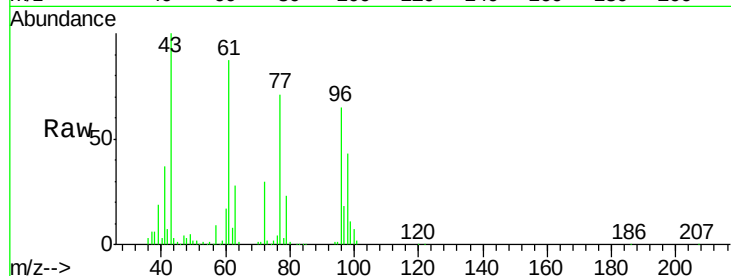
43 100

72 30.0 23.4 35.0

Manual Integrations
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MMDadoda

9/19/2018 4:57:50 PM



#26

2,2-Dichloropropane

Concen: 93.38 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051268.D

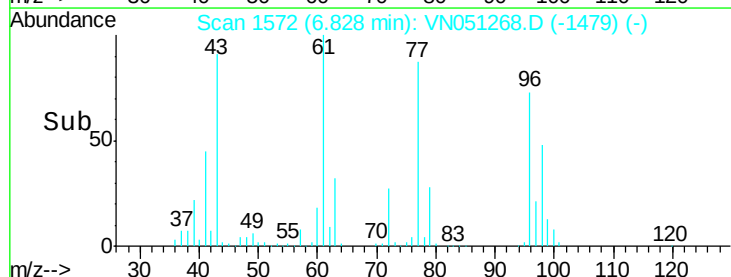
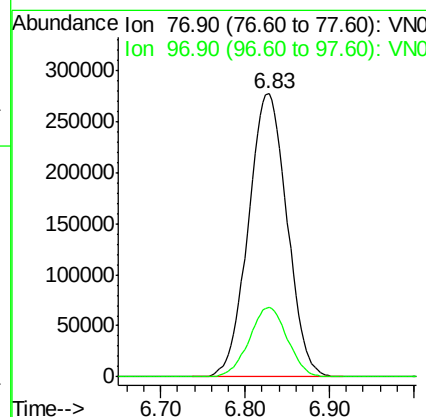
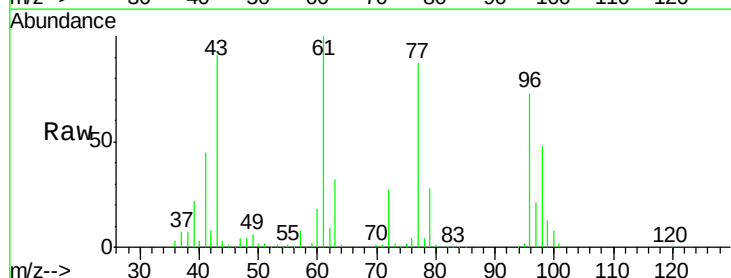
Acq: 17 Sep 2018 12:00

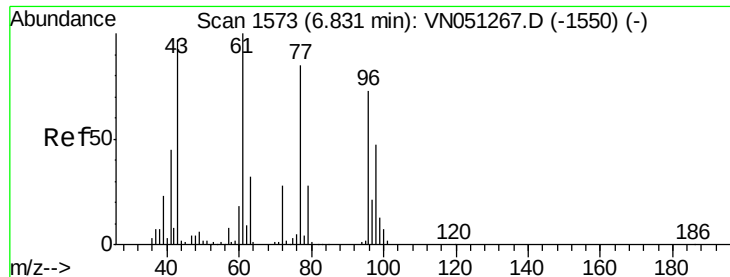
Tgt Ion: 77 Resp: 882213

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 94.21 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

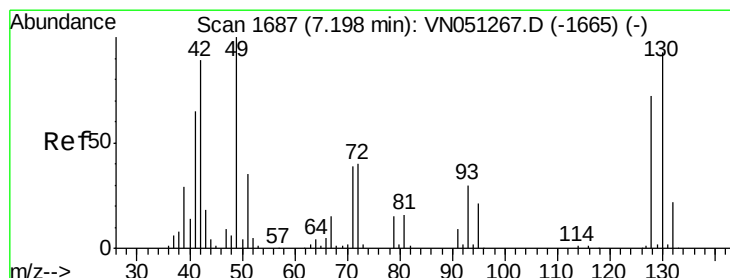
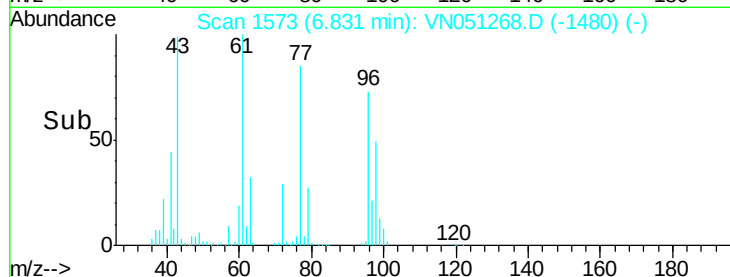
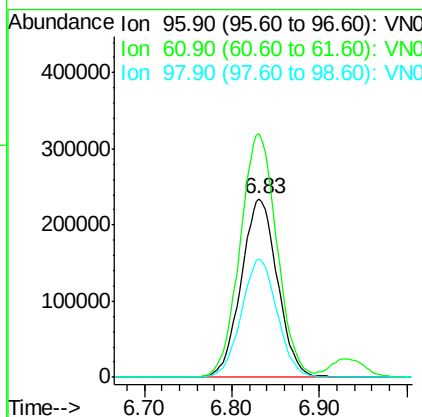
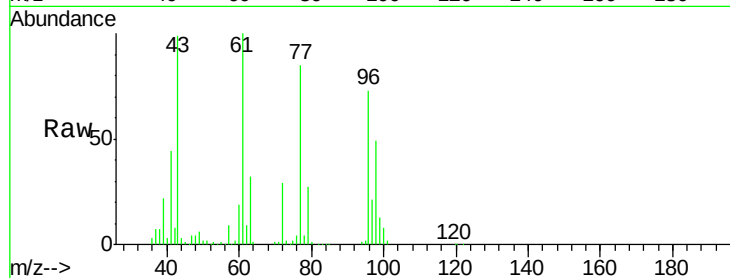
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	672784
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	276.2
98	65.7	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 92.55 ug/l

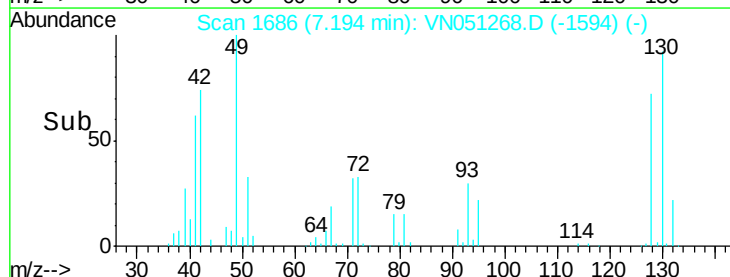
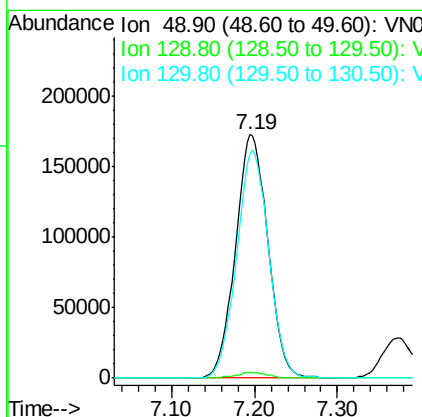
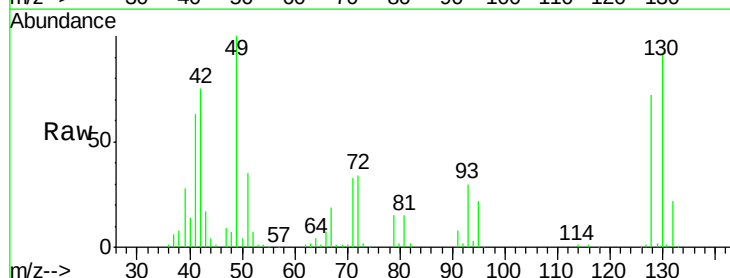
RT: 7.19 min Scan# 1686

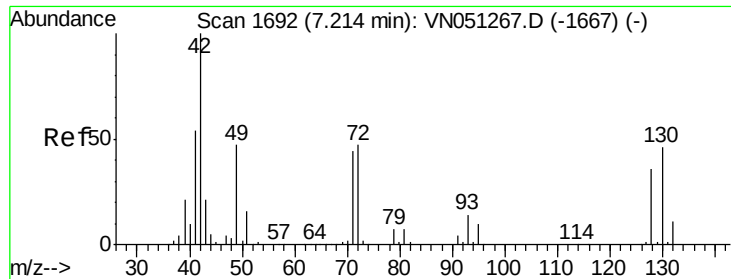
Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Tgt Ion:	49	Resp:	468314
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	93.0	73.7	110.5





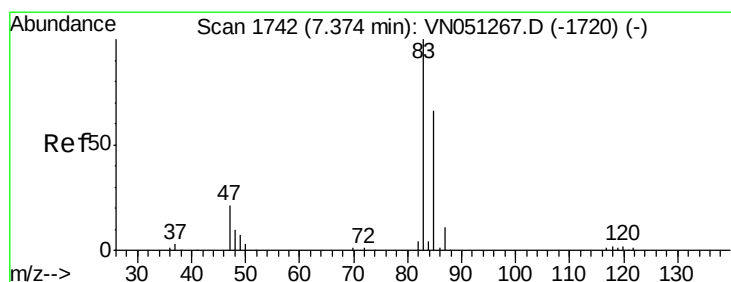
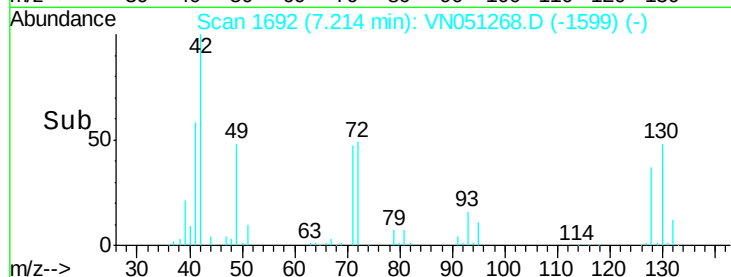
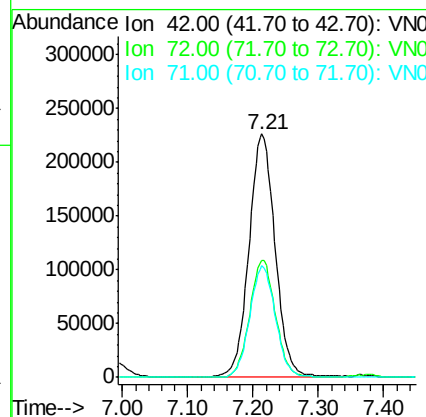
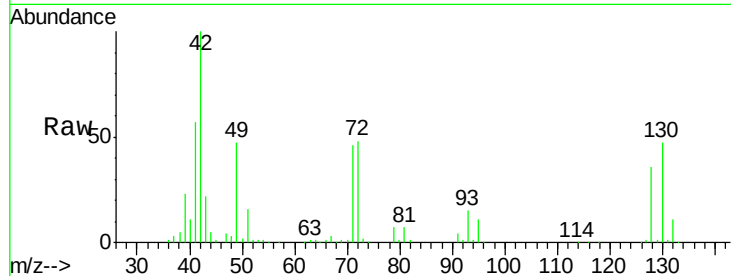
#29
Tetrahydrofuran
Concen: 418.53 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.6	56.4
71	45.0	35.4	53.2

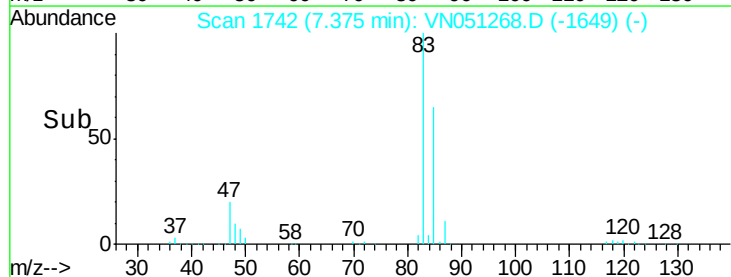
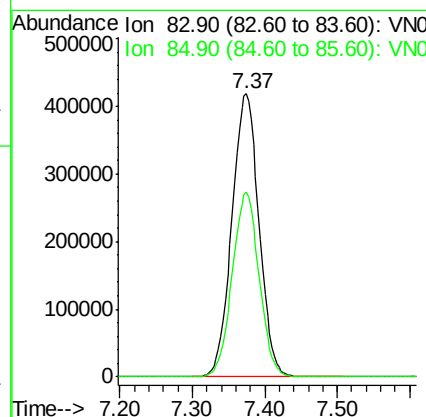
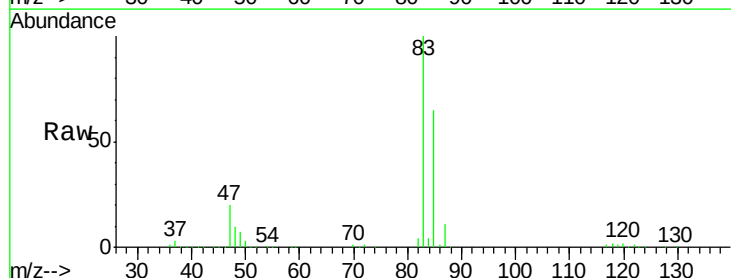
Manual Integrations
APPROVED

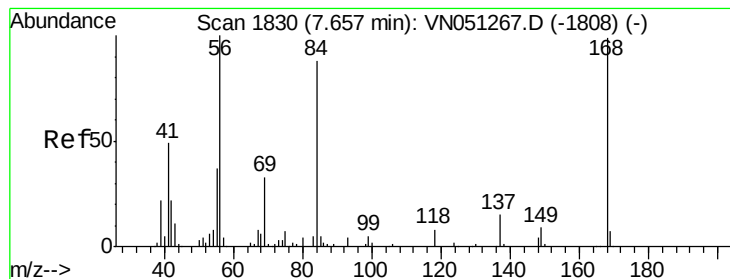
MMDadoda
9/19/2018 4:57:50 PM



#30
Chloroform
Concen: 94.72 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 84.66 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 985759

Ion Ratio Lower Upper

56 100

69 32.9 26.2 39.2

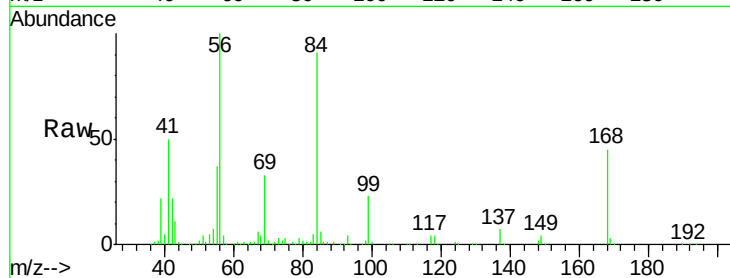
84 89.6 70.6 106.0

Manual Integrations

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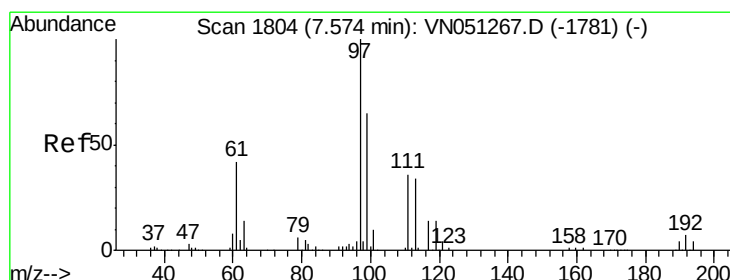
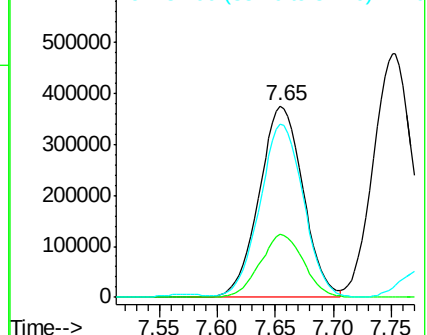
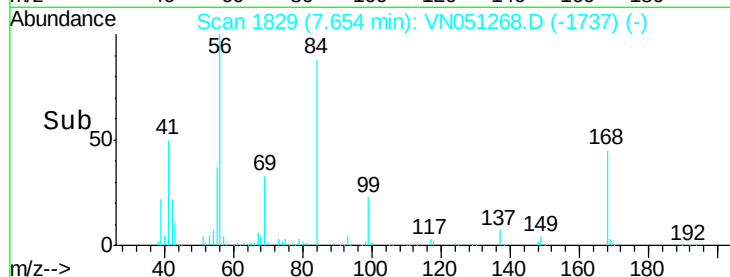
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Abundance Ion 56.00 (55.70 to 56.70): VN051268.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051268.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051268.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 95.92 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

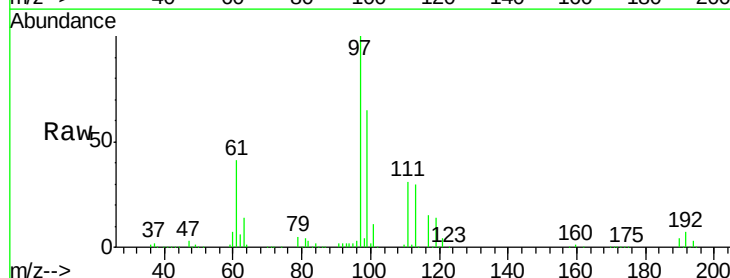
Tgt Ion: 97 Resp: 942883

Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

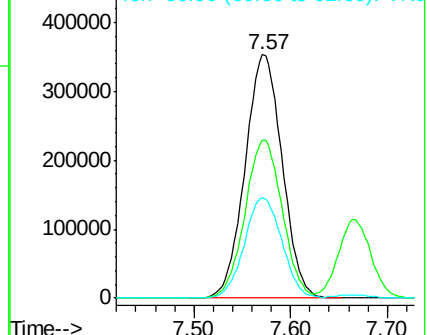
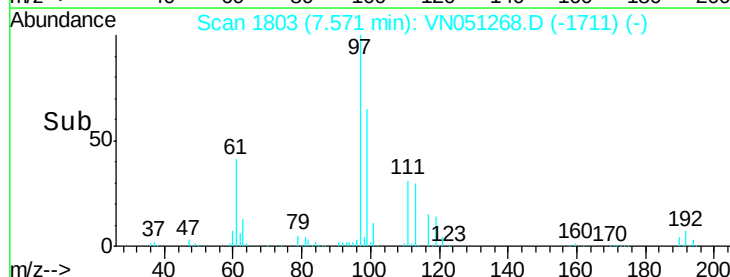
61 41.6 33.4 50.2

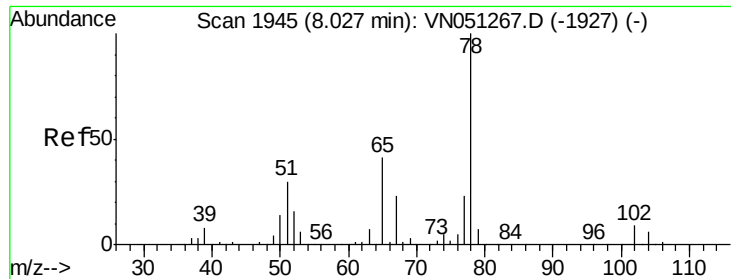


Abundance Ion 96.90 (96.60 to 97.60): VN051268.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051268.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051268.D (-1711) (-)





#33

1,2-Dichloroethane-d4

Concen: 98.18 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 612416

Ion Ratio Lower Upper

65 100

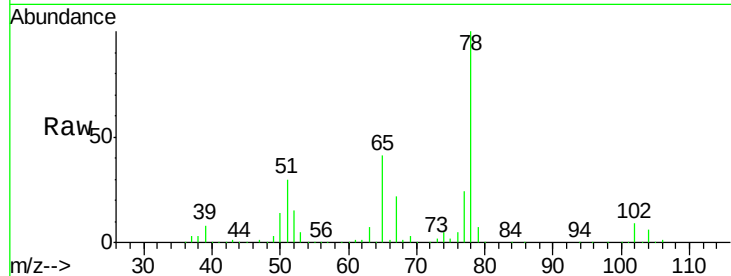
67 54.6 0.0 111.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN051268.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051268.D (-1852) (-)

8.03

250000

200000

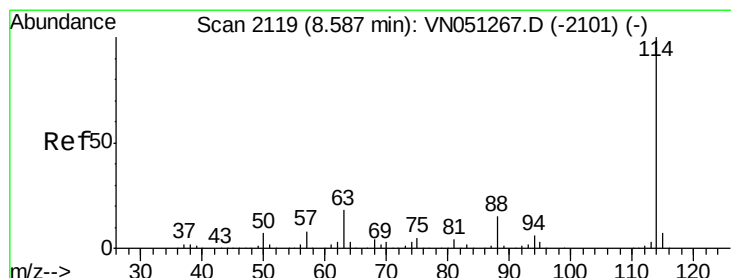
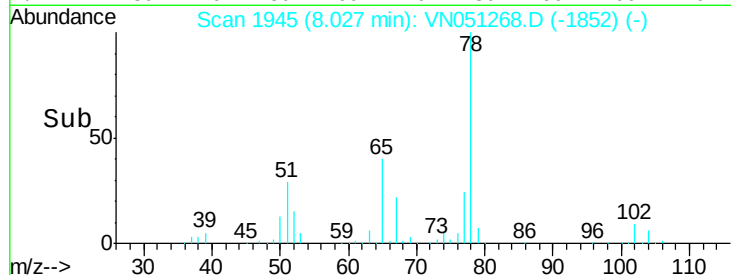
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

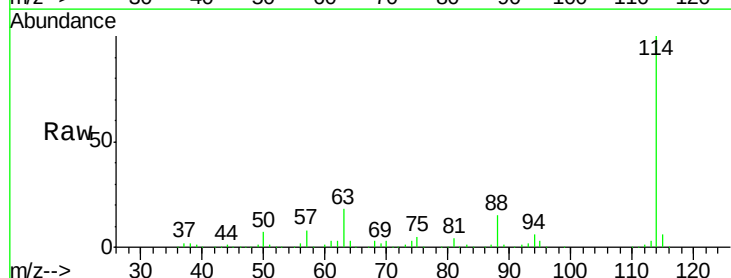
Tgt Ion: 114 Resp: 760295

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

88 15.3 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN051268.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN051268.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN051268.D (-2026) (-)

8.59

500000

400000

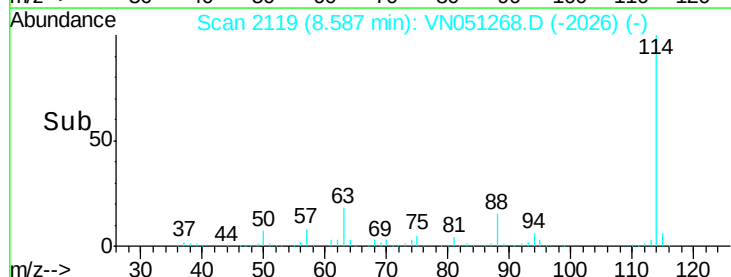
300000

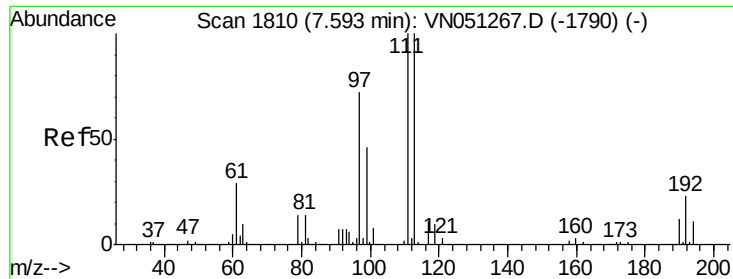
200000

100000

0

Time-->





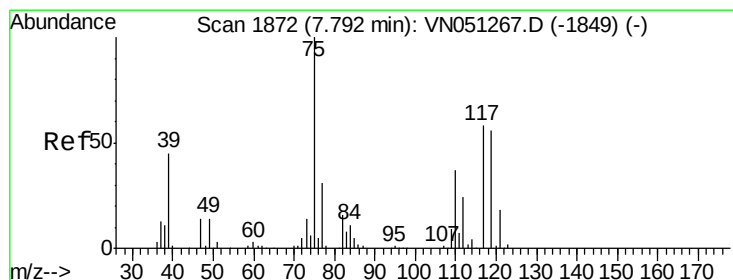
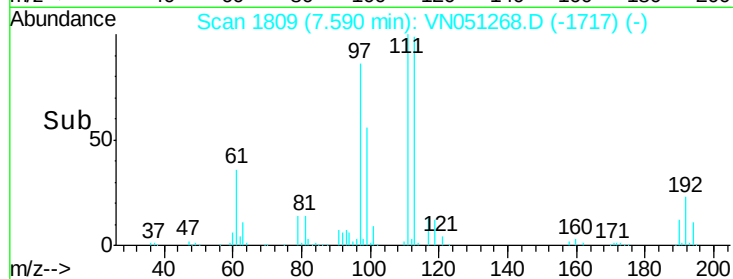
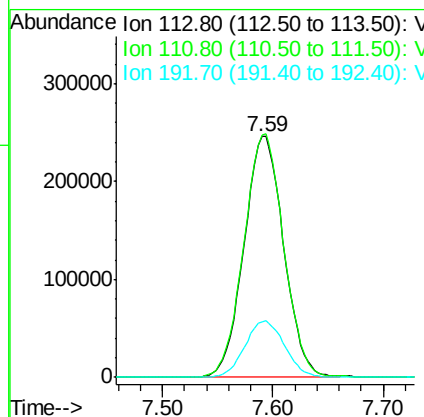
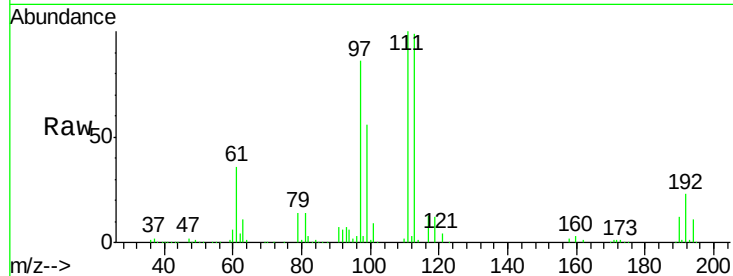
#35
Dibromofluoromethane
Concen: 106.51 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	613175		
111	101.6	82.2	123.4	
192	23.5	19.0	28.6	

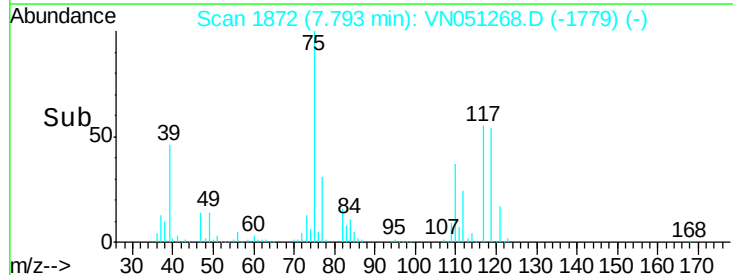
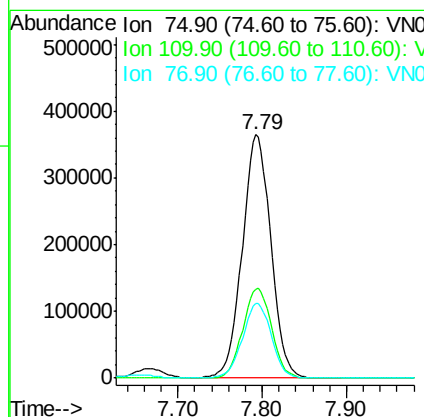
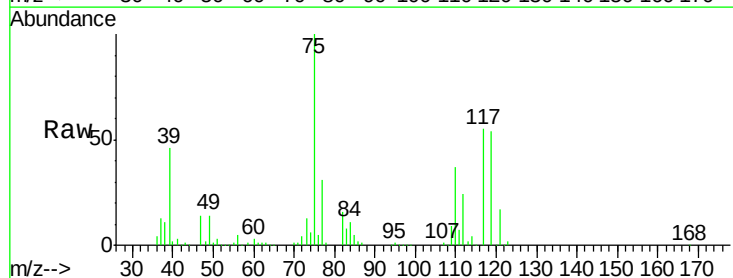
Manual Integrations
APPROVED

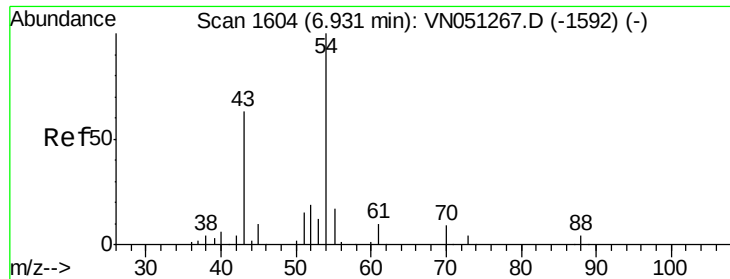
MMDadoda
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#36
1,1-Dichloropropene
Concen: 102.14 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	860144		
110	37.2	18.6	56.0	
77	31.3	24.7	37.1	





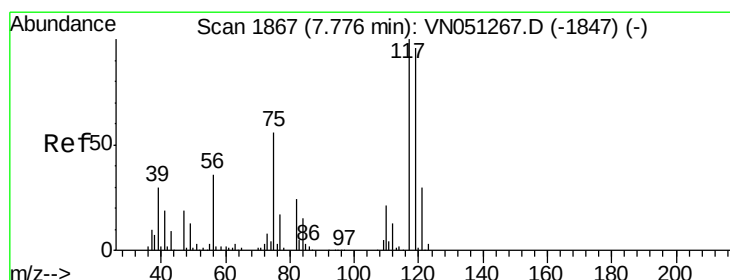
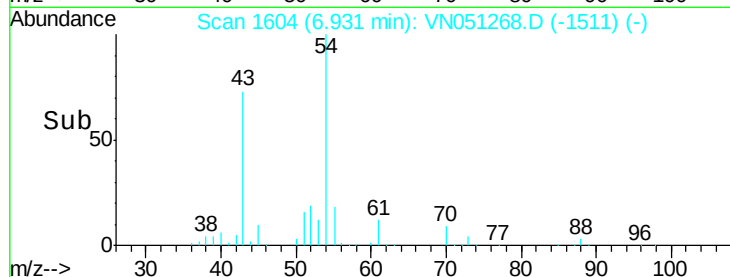
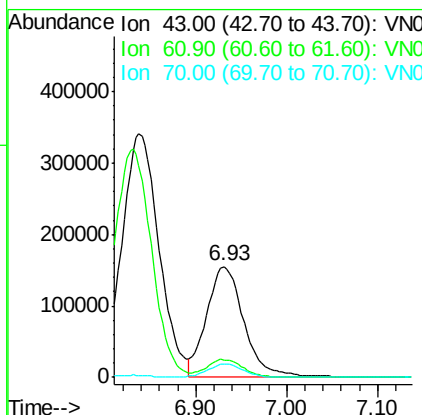
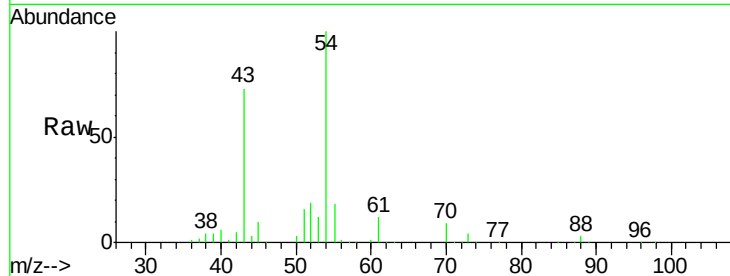
#37
Ethyl Acetate
Concen: 90.91 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.3	18.5
70	11.8	9.4	14.0

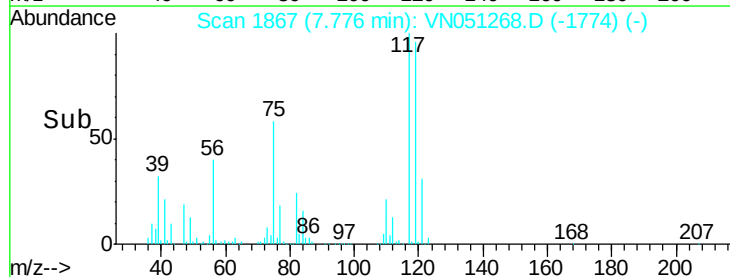
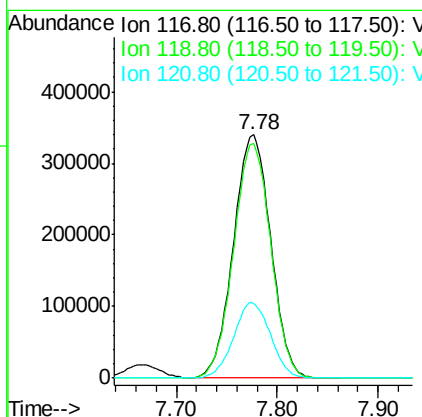
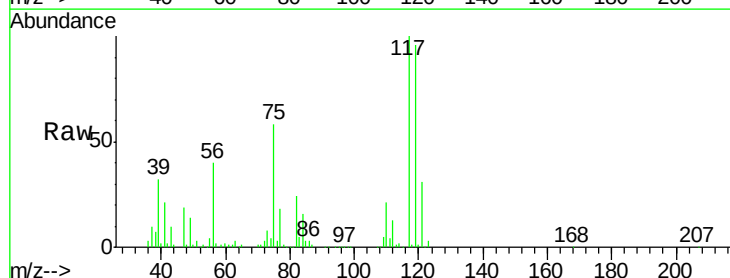
Manual Integrations
APPROVED

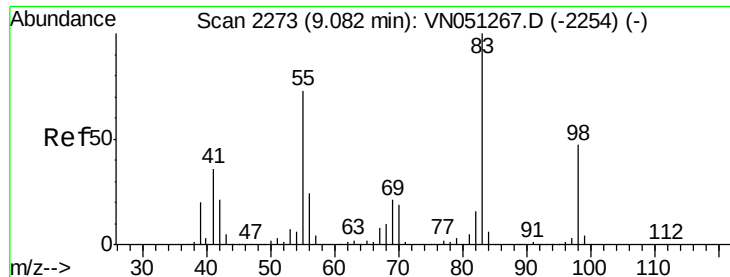
MMDadoda
9/19/2018 4:57:50 PM



#38
Carbon Tetrachloride
Concen: 104.13 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.8	115.2
121	30.8	24.2	36.2





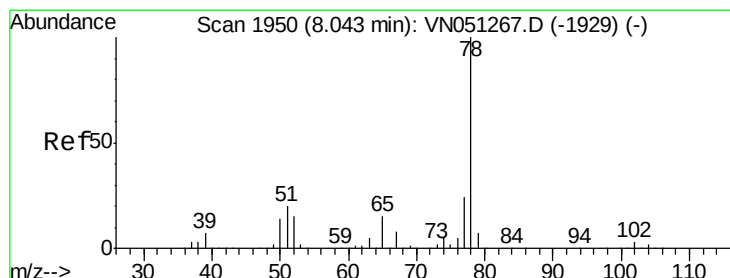
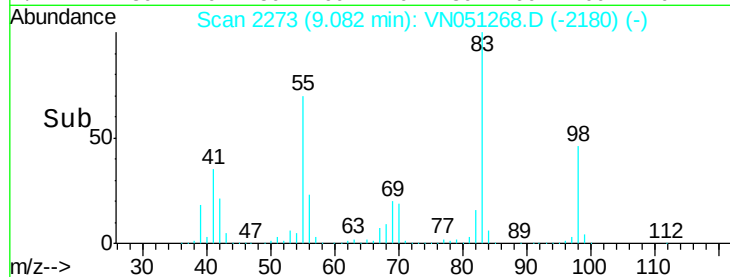
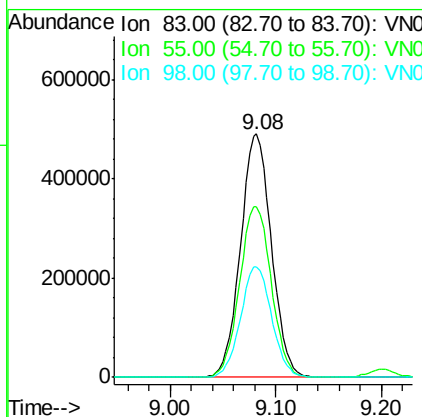
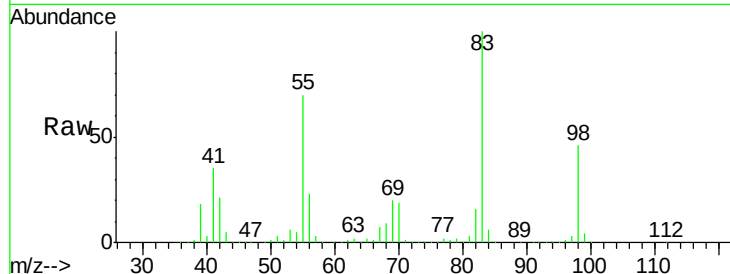
#39
Methylvlcyclohexane
Concen: 107.72 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	58.7	88.1
98	45.6	37.3	55.9

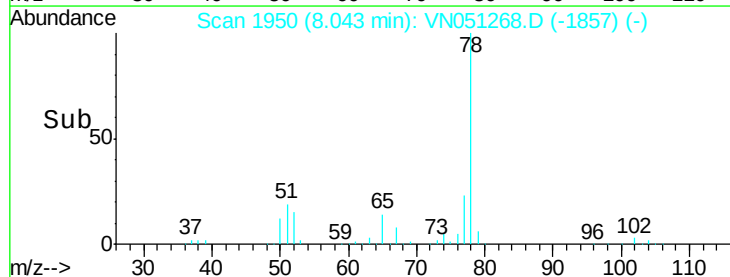
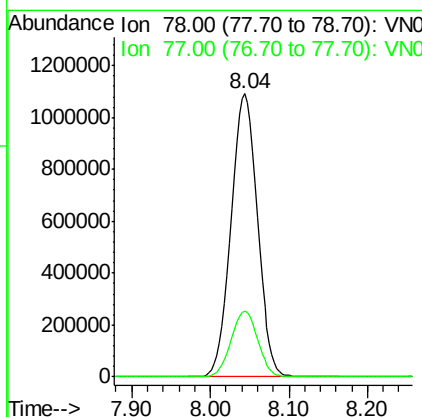
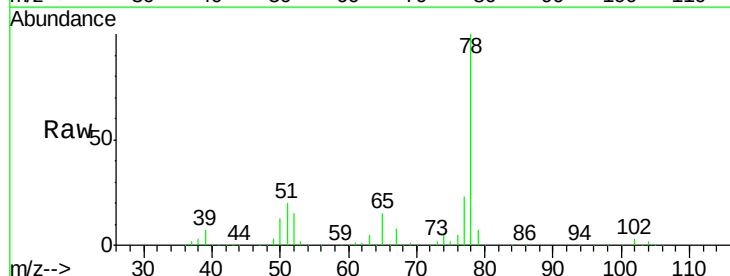
Manual Integrations
APPROVED

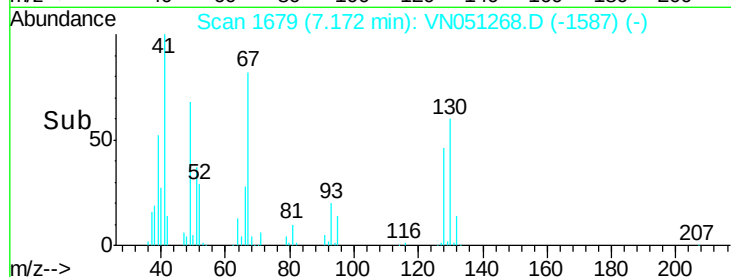
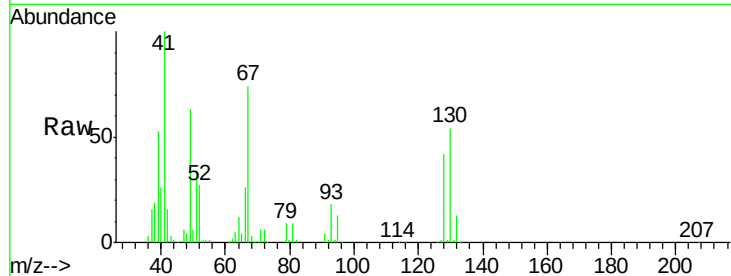
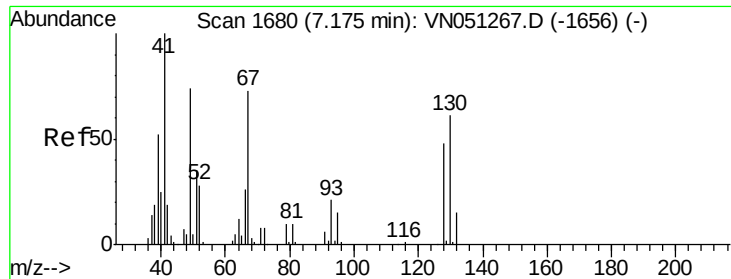
MMDadoda
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#40
Benzene
Concen: 100.62 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





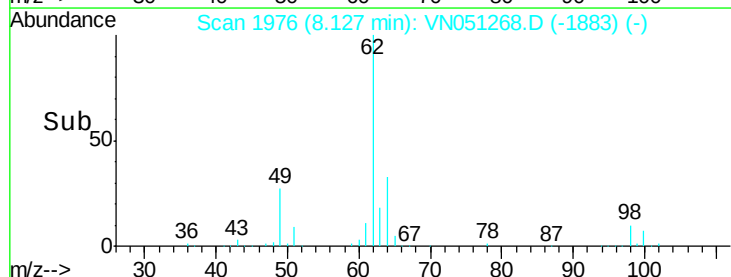
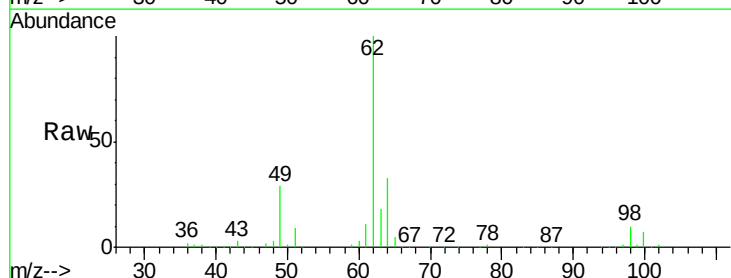
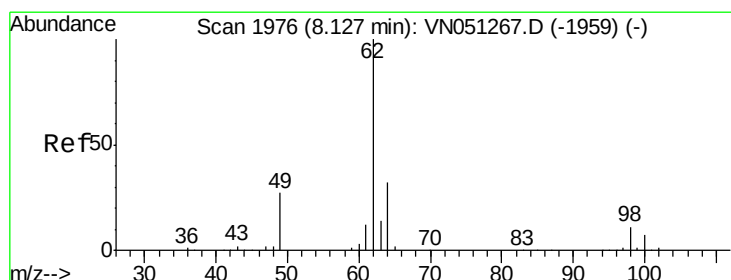
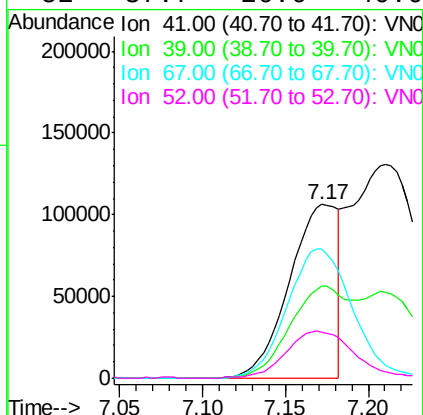
#41
Methacrylonitrile
Concen: 85.01 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tot Ion	41	Resp	214169
Ion Ratio	Lower	Upper	
41	100		
39	65.5	47.8	71.6
67	102.1	69.8	104.6
52	37.7	26.6	40.0

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

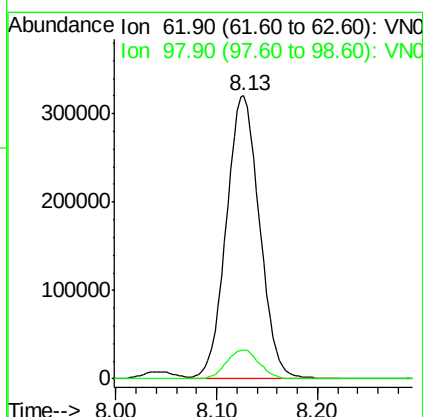
Manual Integrations
APPROVED

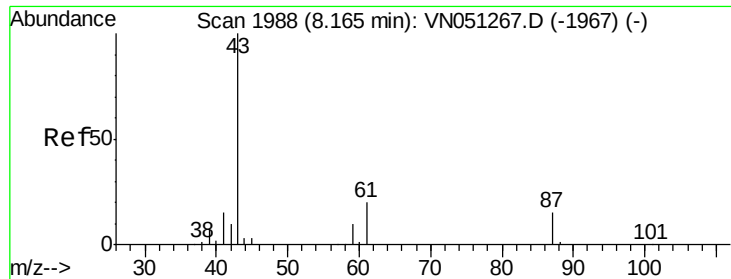
MMDadoda
9/19/2018 4:57:50 PM



#42
1,2-Dichloroethane
Concen: 99.28 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	62	Resp	733561
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 93.21 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

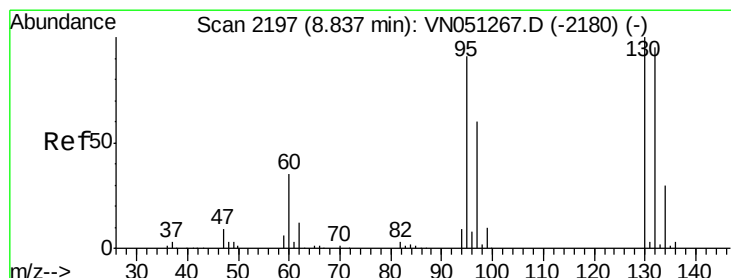
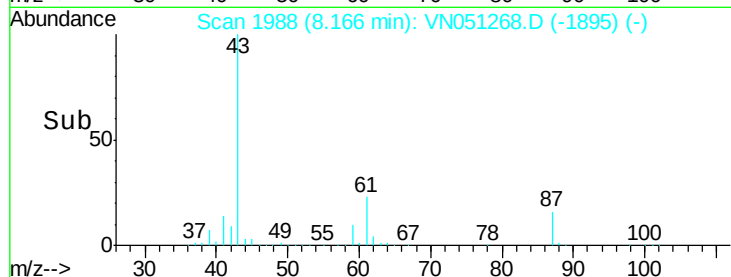
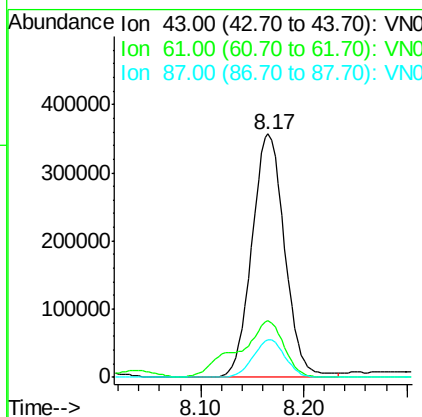
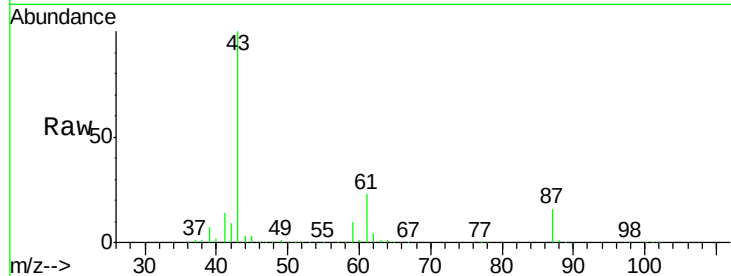
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	785135
Ion	Ratio	Lower	Upper
43	100		
61	32.2	17.4	26.2#
87	15.0	12.2	18.4

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#44

Trichloroethene

Concen: 100.45 ug/l

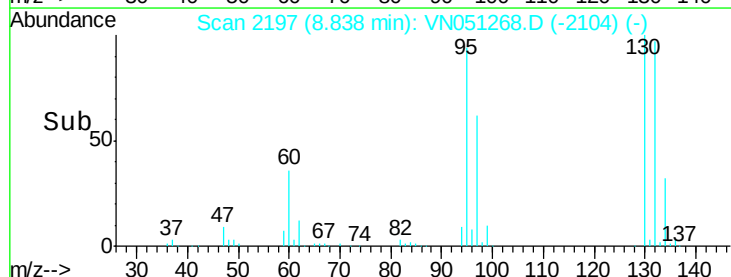
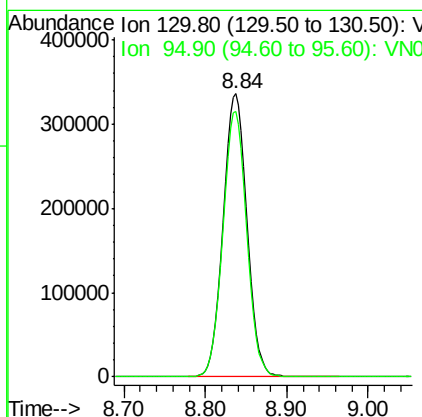
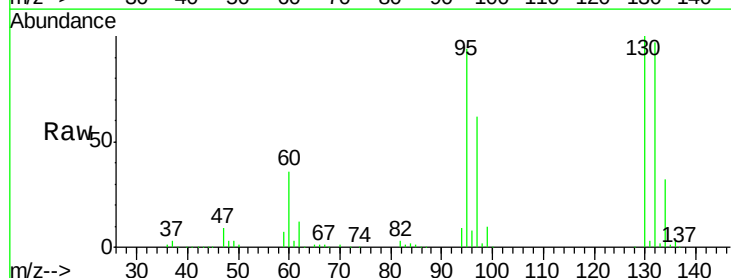
RT: 8.84 min Scan# 2197

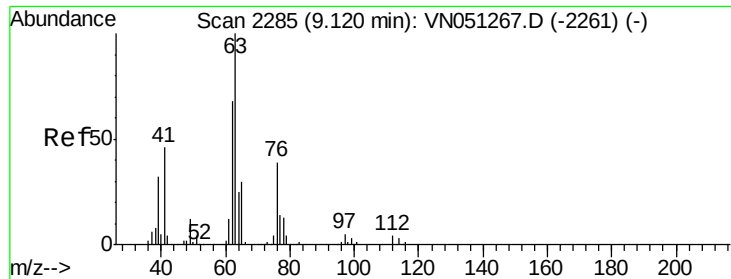
Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Tgt Ion:	130	Resp:	698024
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	181.8





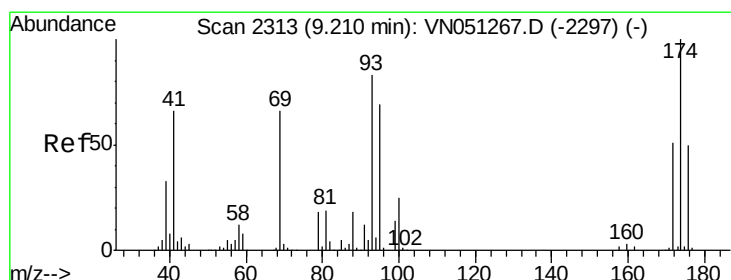
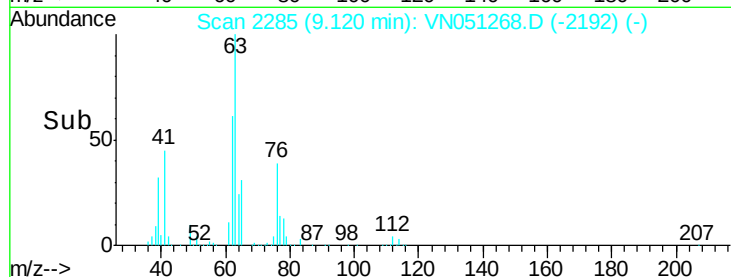
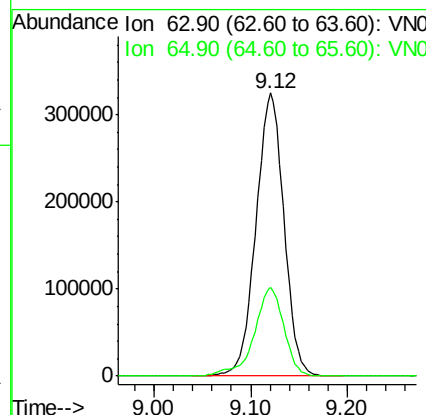
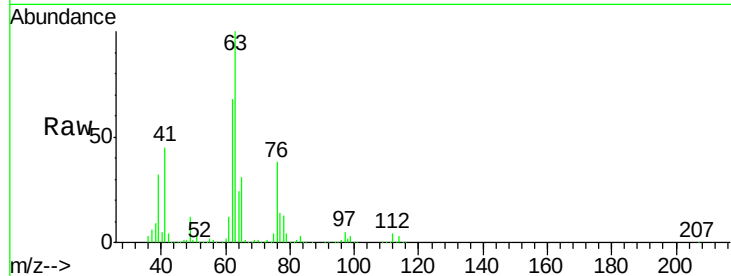
#45
 1,2-Dichloropropane
 Concen: 99.92 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.2	36.4

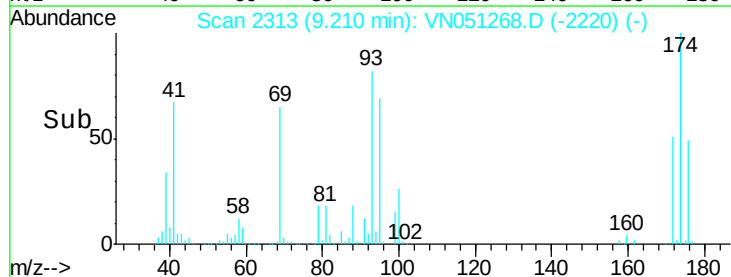
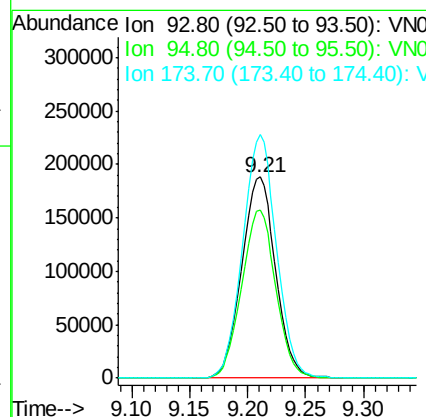
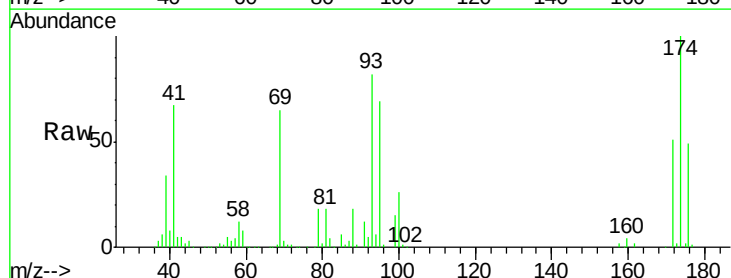
Manual Integrations
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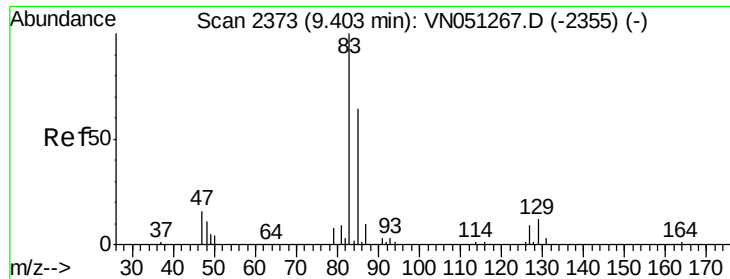
MMDadoda
 9/19/2018 4:57:50 PM



#46
 Dibromomethane
 Concen: 95.81 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.6	100.0
174	120.5	95.6	143.4





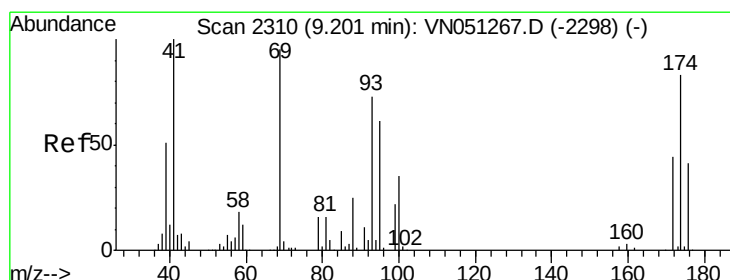
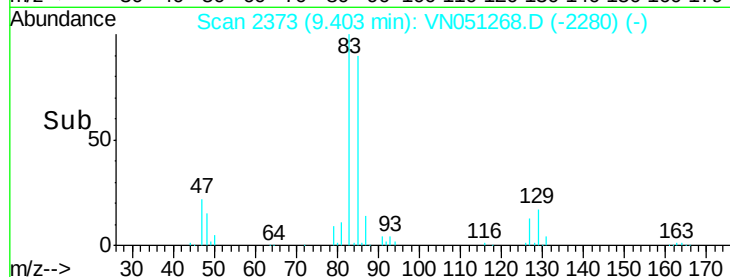
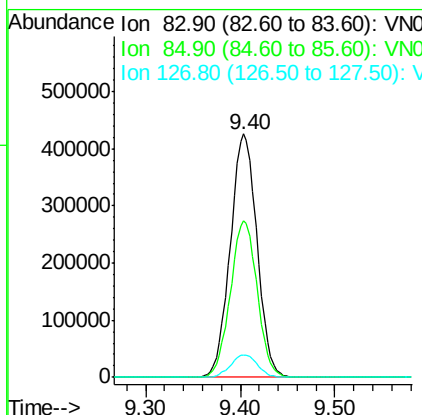
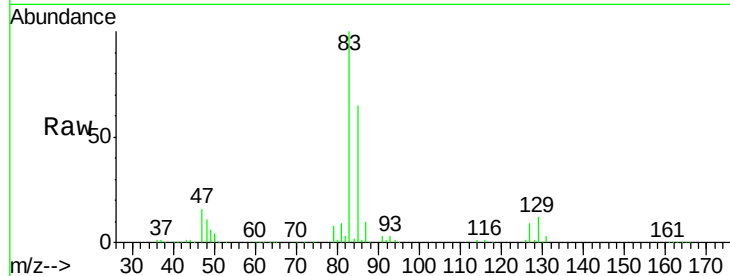
#47
Bromodichloromethane
Concen: 102.35 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	83	Resp	834639
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.0	76.4
127	9.4	7.1	10.7

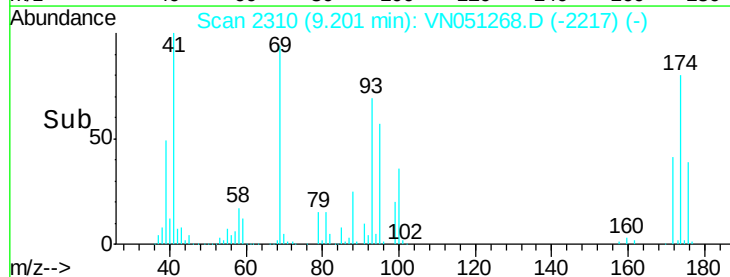
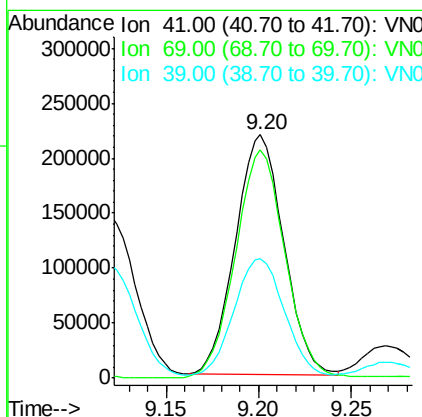
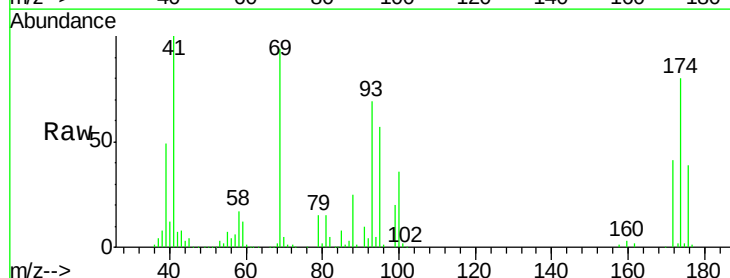
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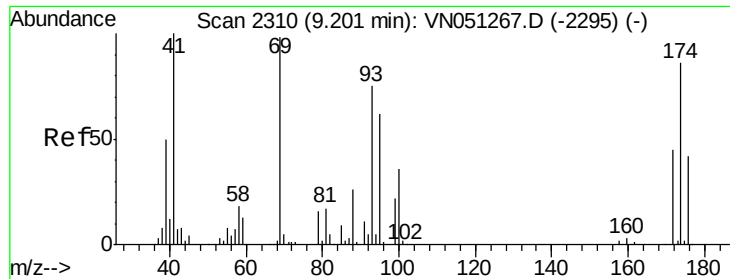
MMDadoda
9/19/2018 4:57:50 PM



#48
Methyl methacrylate
Concen: 96.38 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	41	Resp	396332
Ion Ratio	100	Lower	Upper
41	100		
69	98.3	78.9	118.3
39	52.5	42.2	63.2





#49

1,4-Dioxane

Concen: 1776.75 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 113893

Ion Ratio Lower Upper

88 100

43 29.6 25.3 37.9

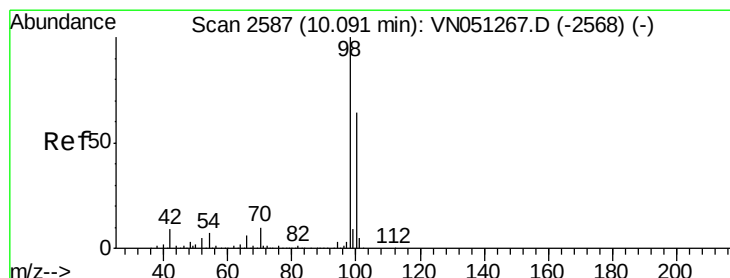
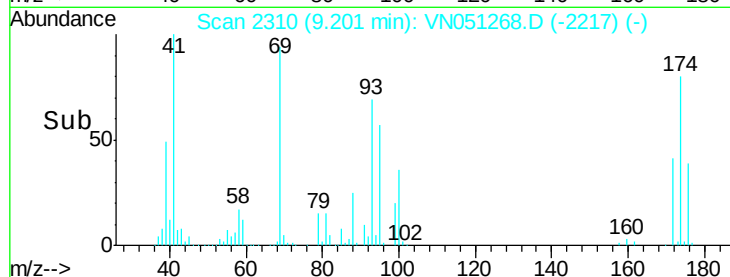
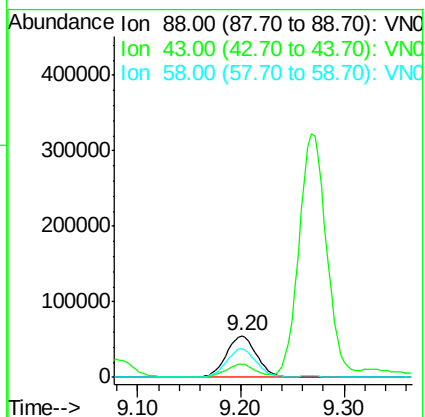
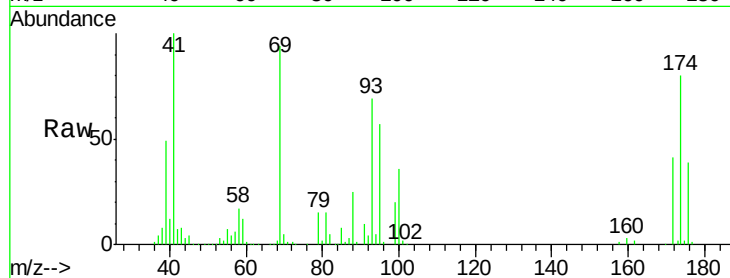
58 67.2 54.9 82.3

Manual Integrations

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#50

Toluene-d8

Concen: 107.44 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051268.D

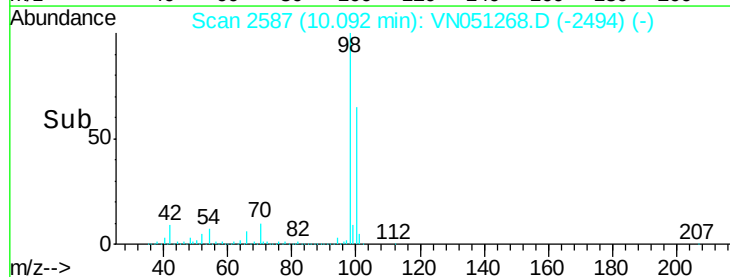
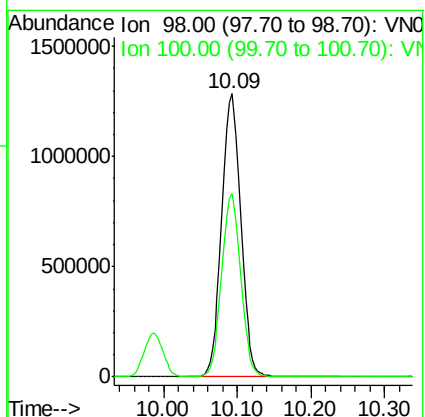
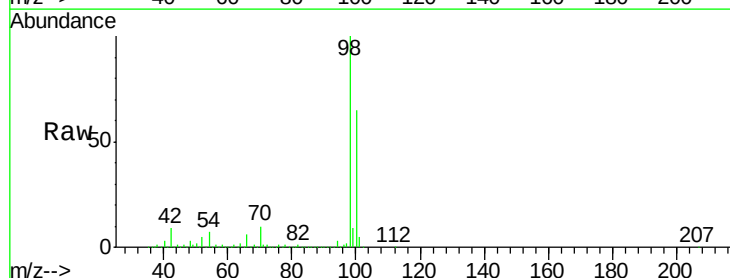
Acq: 17 Sep 2018 12:00

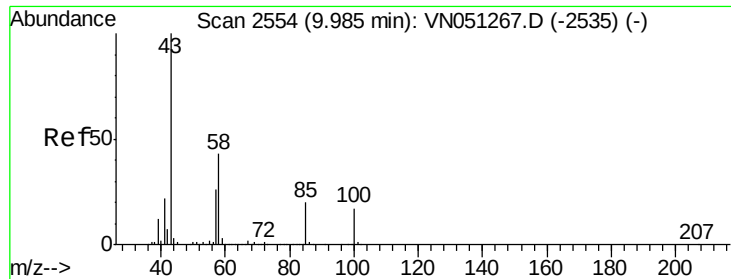
Tgt Ion: 98 Resp: 2340576

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4





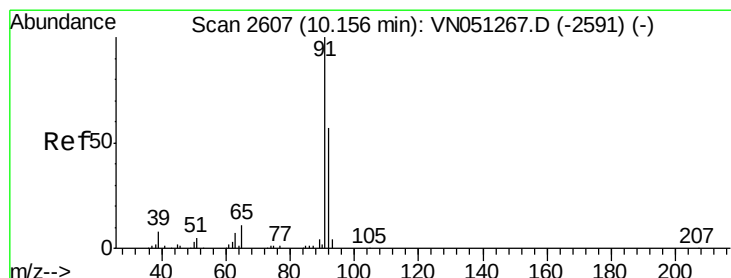
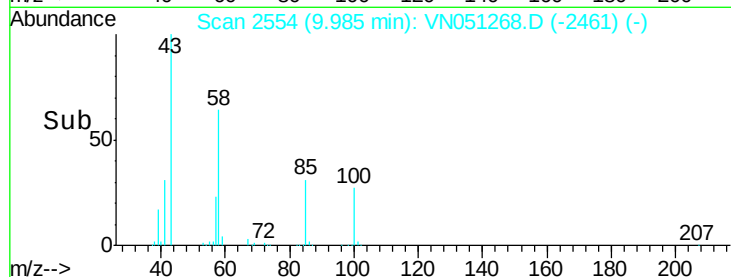
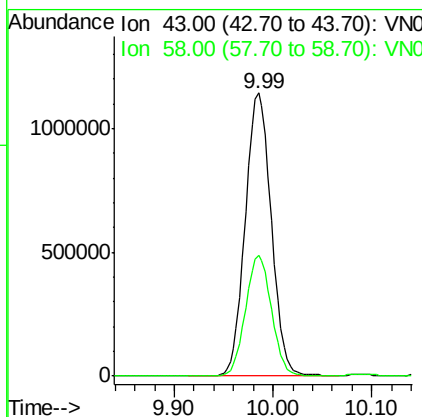
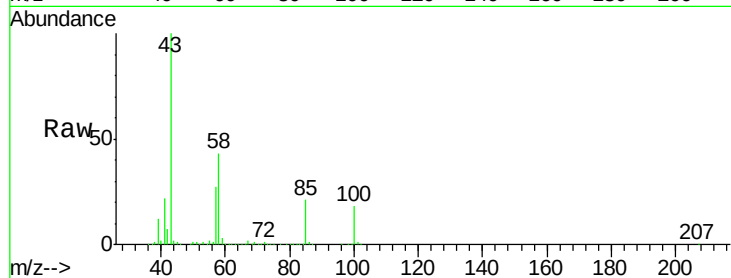
#51
 4-Methyl-2-Pentanone
 Concen: 447.42 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 43 Resp: 2081409
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.8 50.6

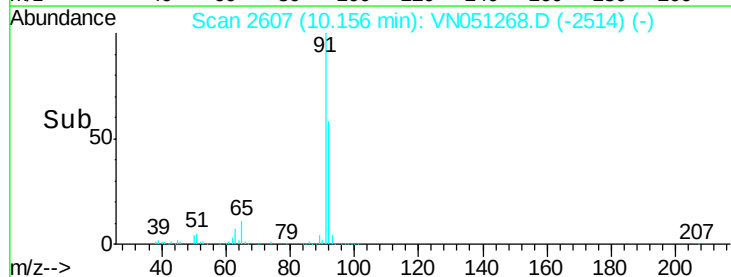
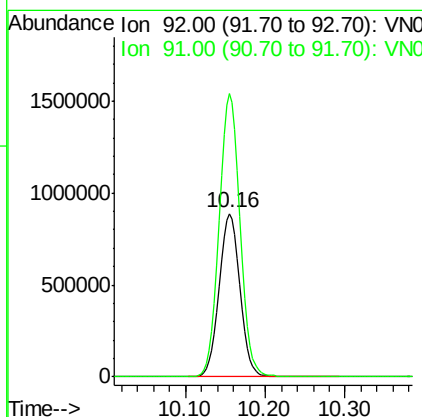
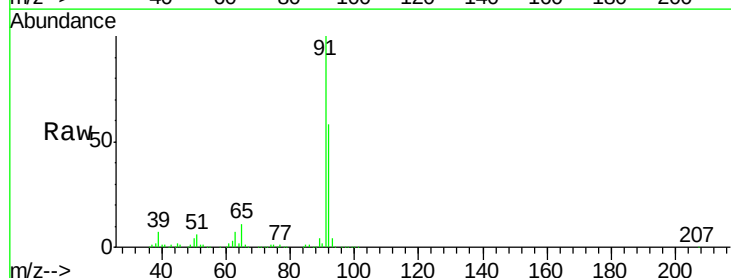
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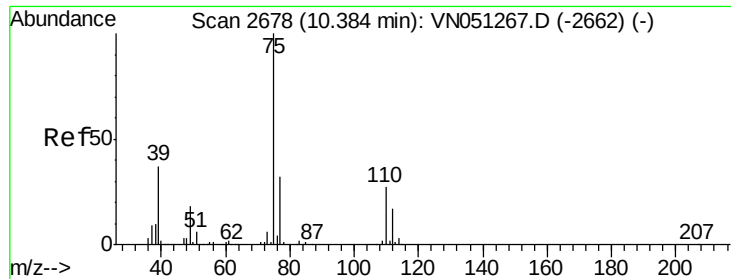
MMDadoda
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#52
 Toluene
 Concen: 104.32 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion: 92 Resp: 1610394
 Ion Ratio Lower Upper
 92 100
 91 173.3 139.2 208.8





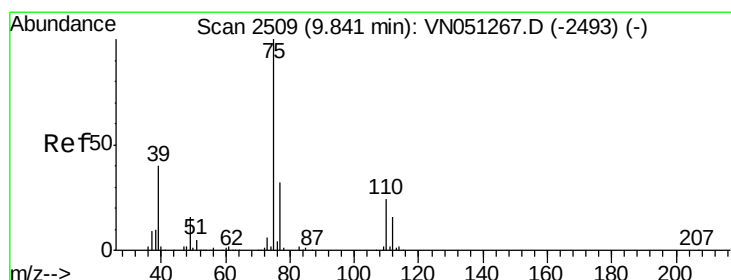
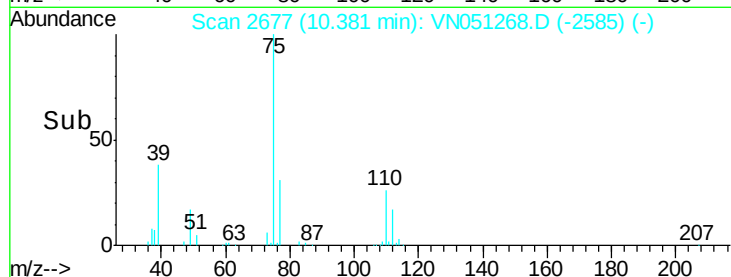
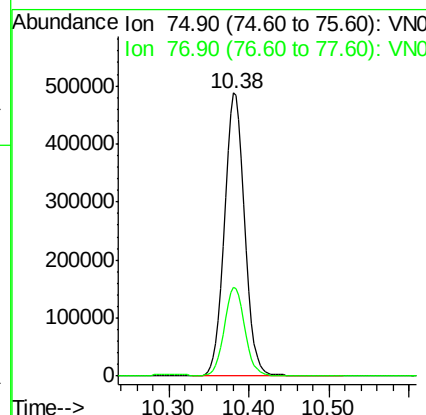
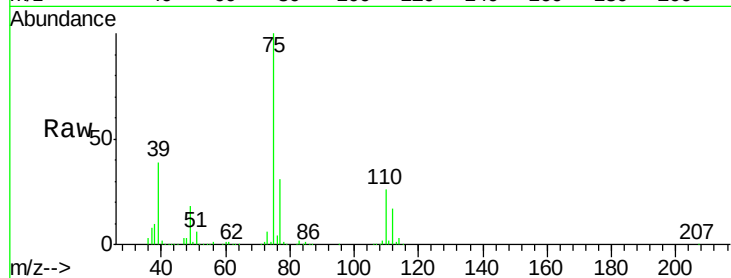
#53
t-1,3-Dichloropropene
Concen: 105.81 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3

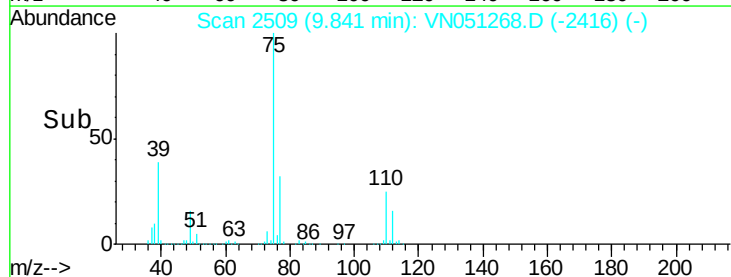
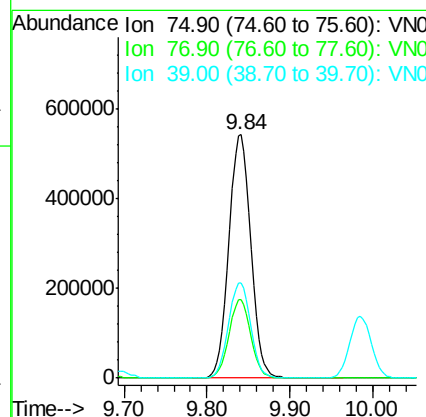
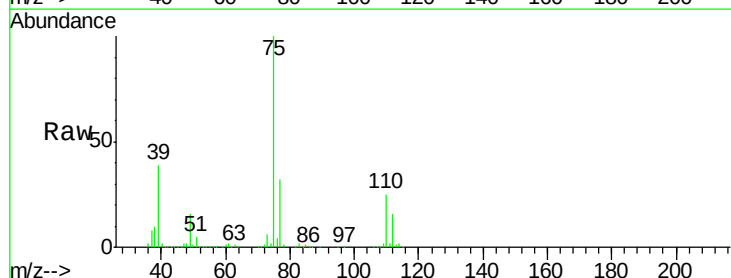
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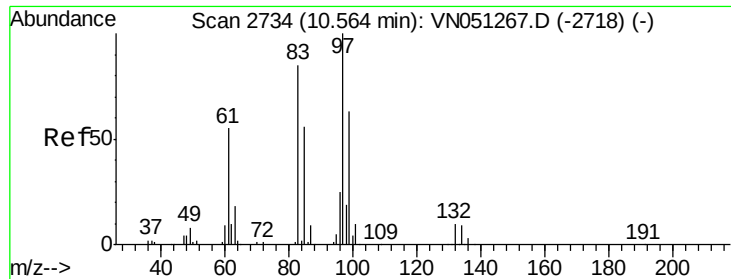
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 104.74 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.8
39	39.2	31.8	47.8





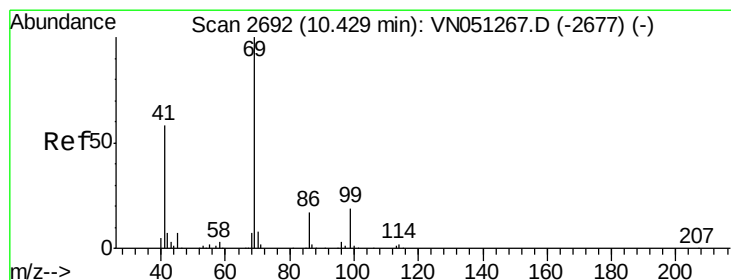
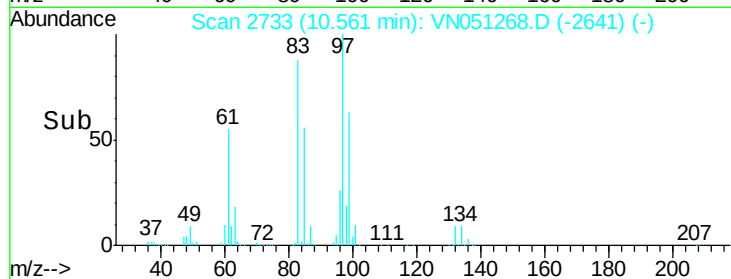
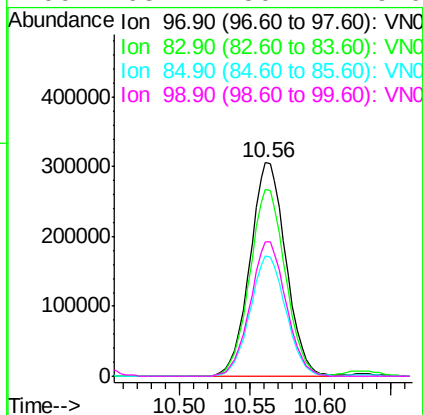
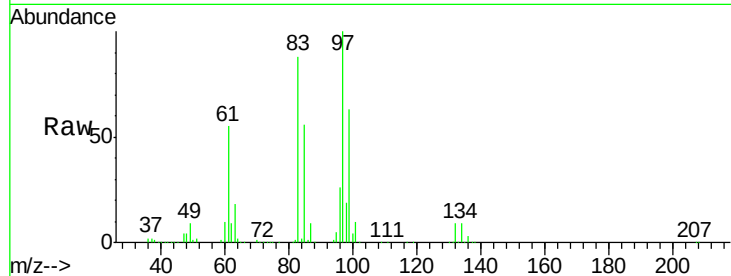
#55
 1,1,2-Trichloroethane
 Concen: 97.73 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	545957
Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.7	101.5
85	56.1	44.5	66.7
99	63.1	50.4	75.6

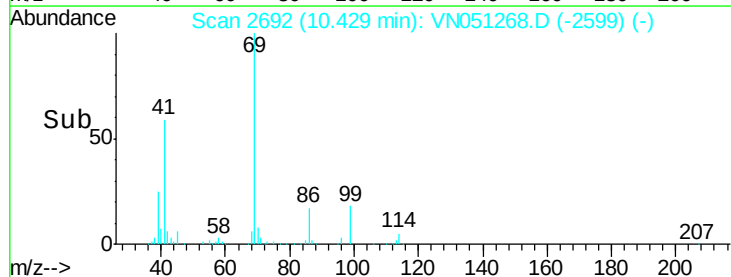
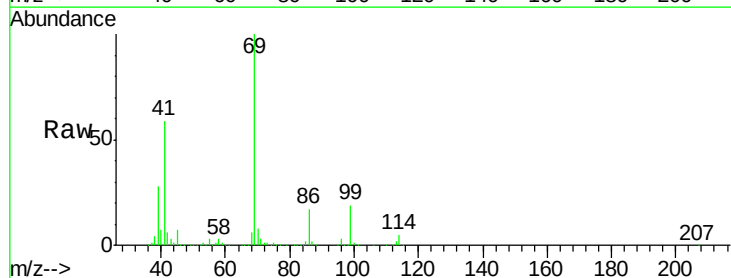
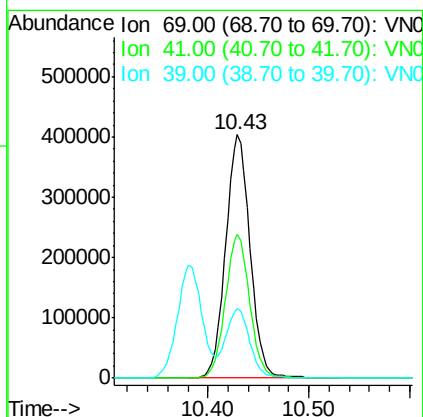
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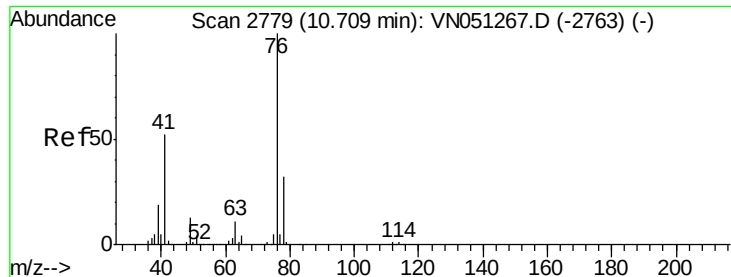
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 103.25 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion:	69	Resp:	682627
Ion	Ratio	Lower	Upper
69	100		
41	57.9	47.4	71.0
39	28.5	23.7	35.5





#57

1,3-Dichloropropane

Concen: 99.33 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 918790

Ion Ratio Lower Upper

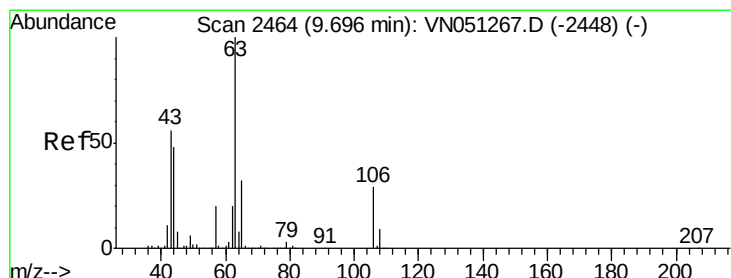
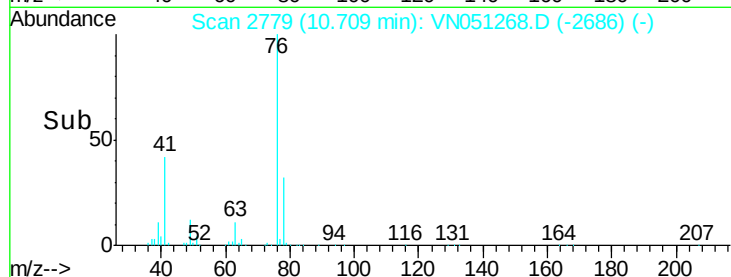
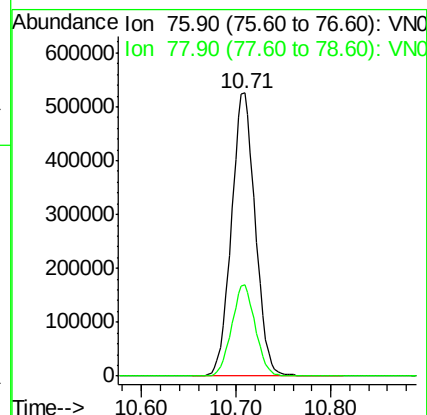
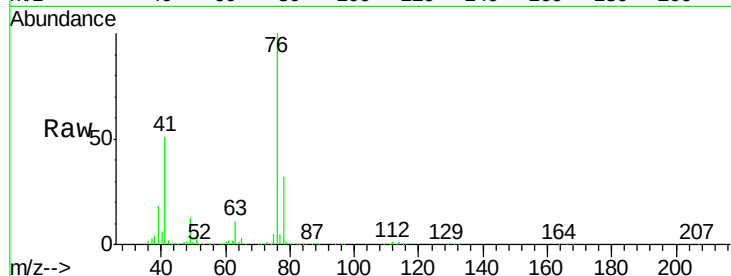
76 100

78 32.1 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 577.37 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051268.D

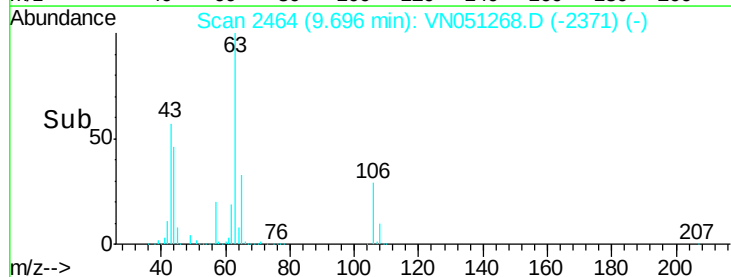
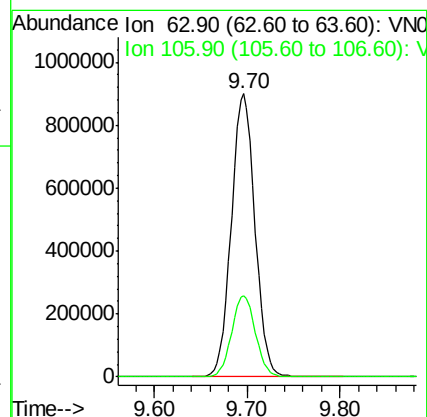
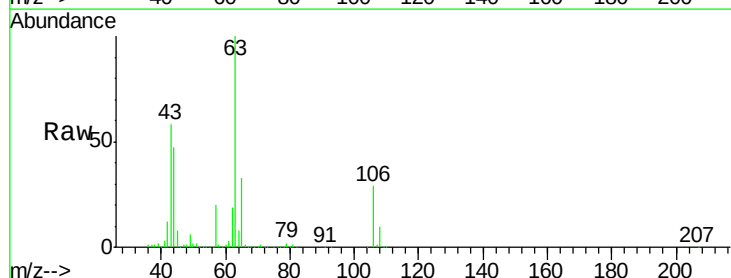
Acq: 17 Sep 2018 12:00

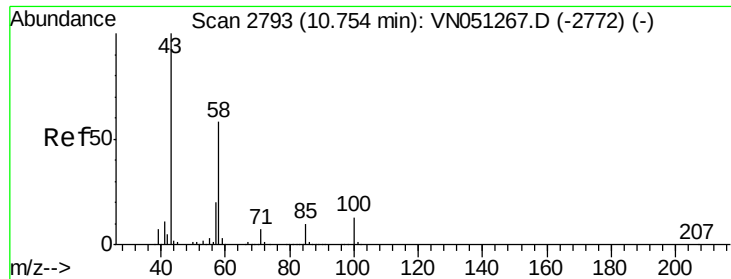
Tgt Ion: 63 Resp: 1585221

Ion Ratio Lower Upper

63 100

106 29.0 23.4 35.2





#59

2-Hexanone

Concen: 437.00 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 1372283

Ion Ratio Lower Upper

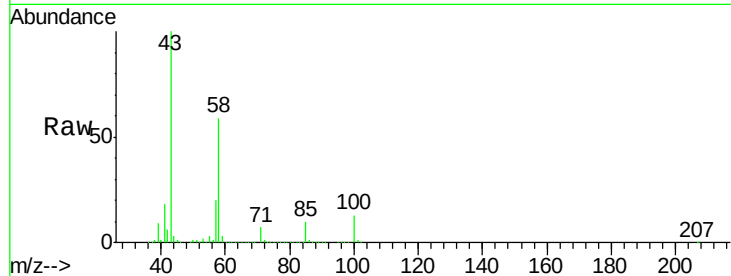
43 100

58 59.1 28.9 86.8

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Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2772) (-)

10.75

800000

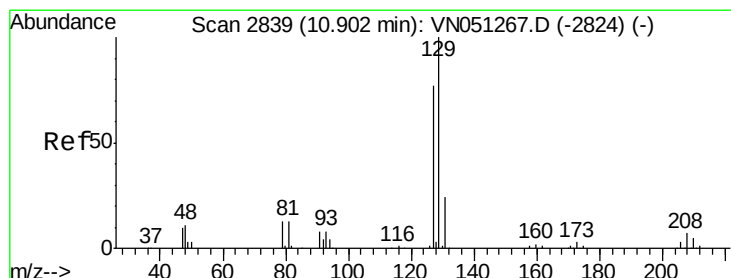
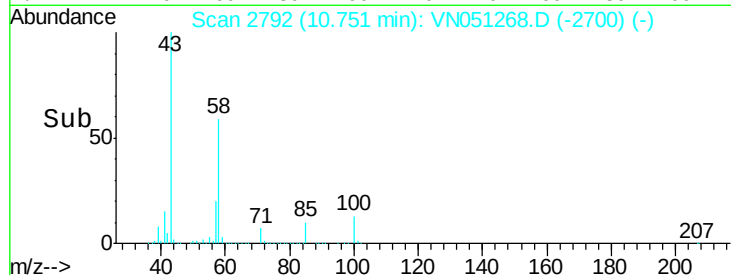
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 104.73 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051268.D

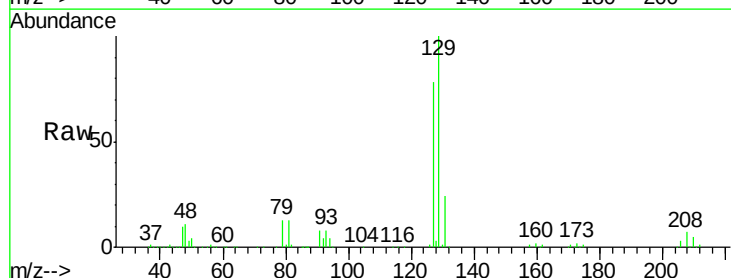
Acq: 17 Sep 2018 12:00

Tgt Ion: 129 Resp: 665668

Ion Ratio Lower Upper

129 100

127 77.4 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VN051267.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN051267.D (-2824) (-)

10.90

400000

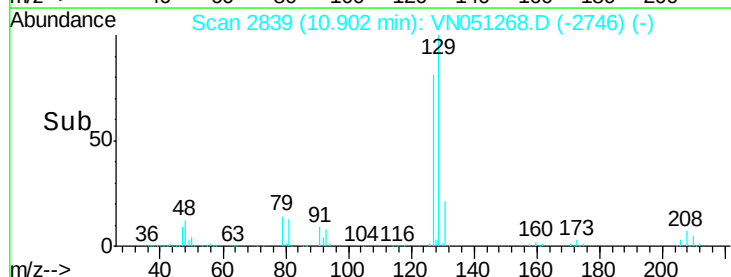
300000

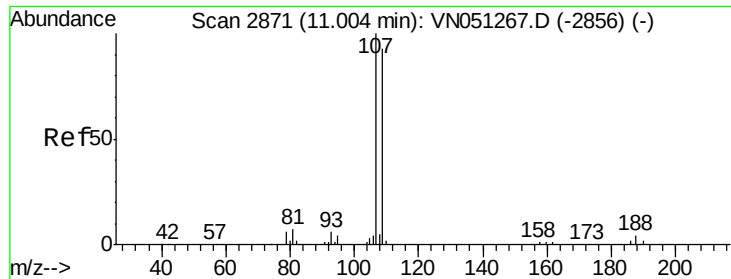
200000

100000

0

Time-->





#61

1,2-Dibromoethane

Concen: 101.03 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 553129

Ion Ratio Lower Upper

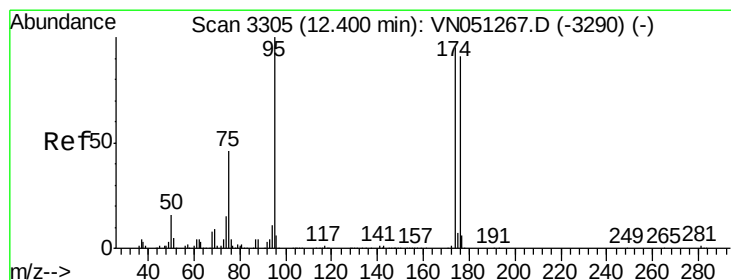
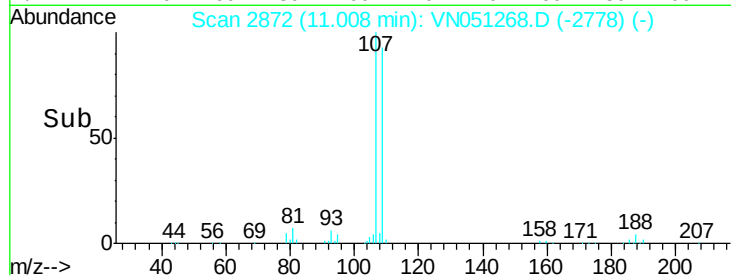
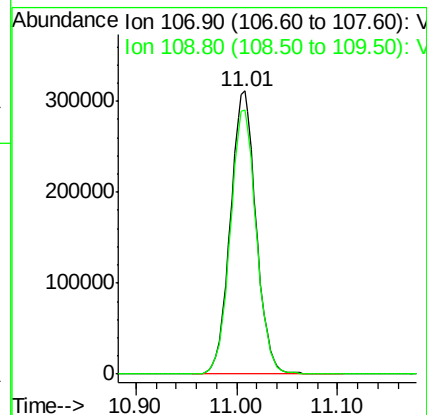
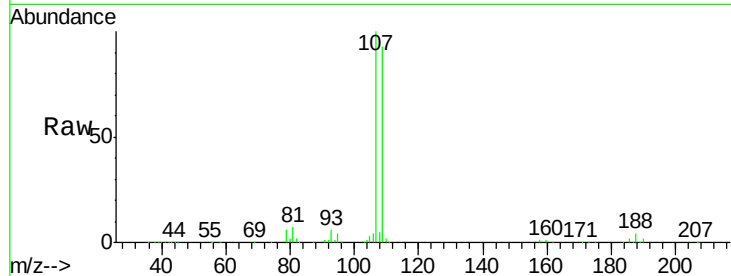
107 100

109 94.5 74.7 112.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 110.46 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

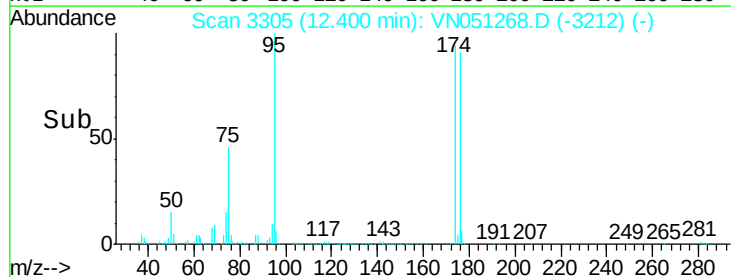
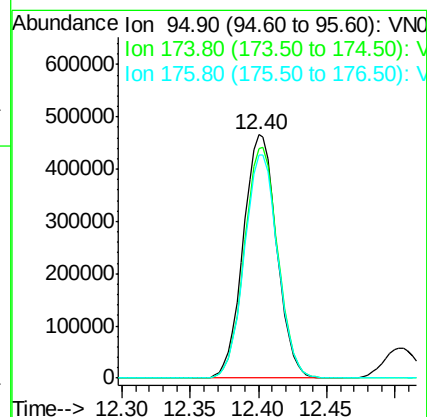
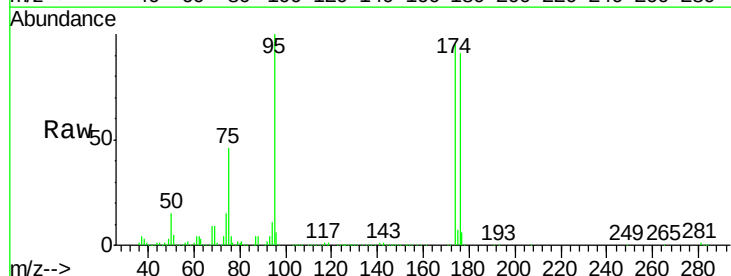
Tgt Ion: 95 Resp: 791905

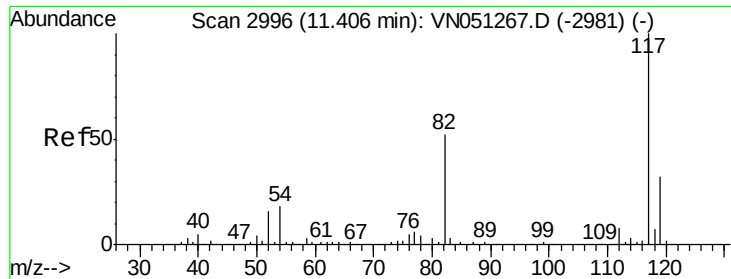
Ion Ratio Lower Upper

95 100

174 94.7 0.0 189.6

176 91.7 0.0 182.6





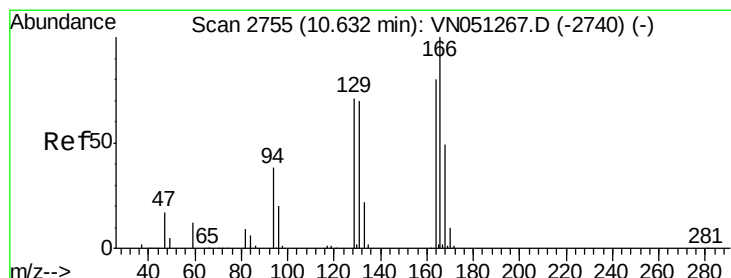
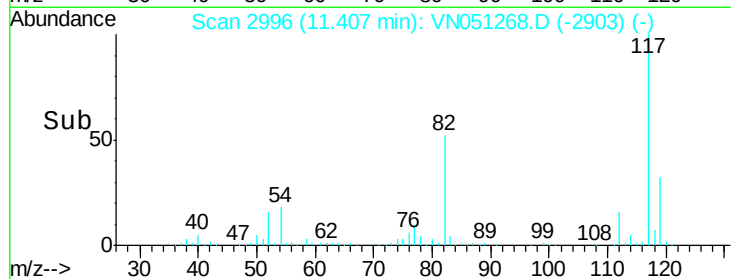
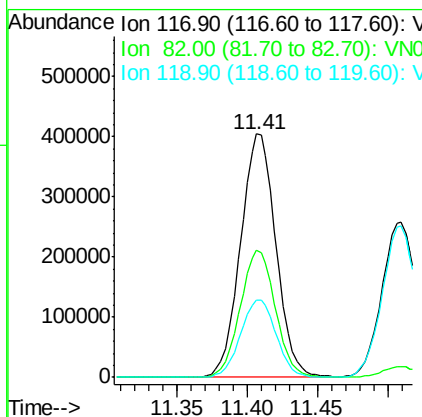
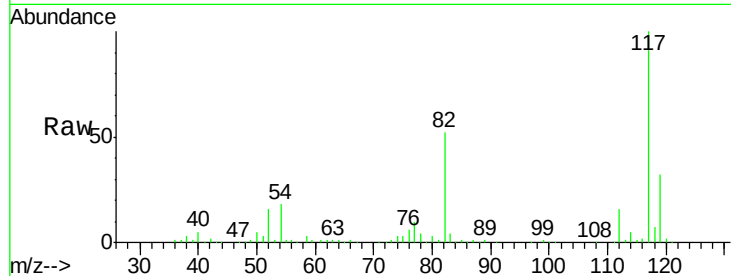
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.8	62.8
119	31.6	25.6	38.4

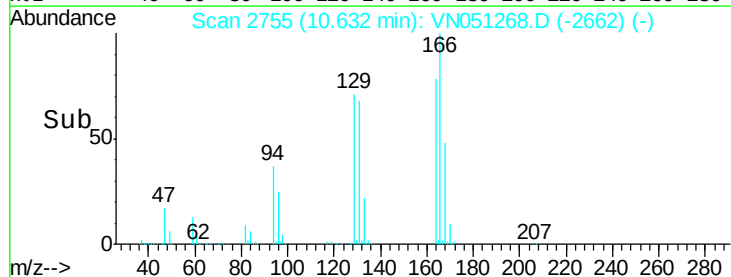
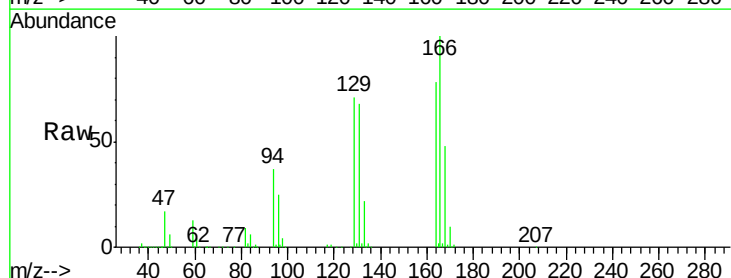
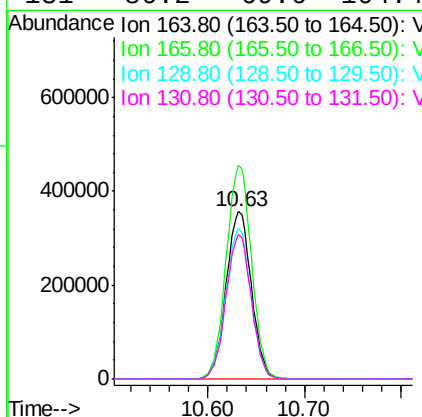
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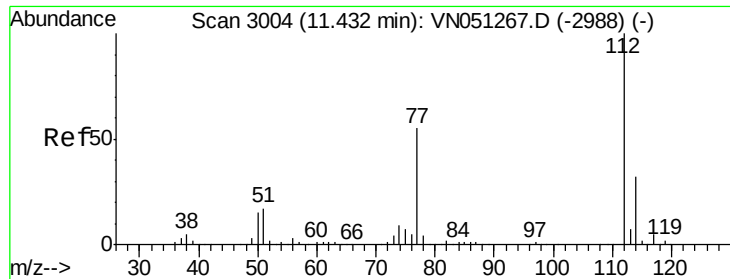
MMDadoda
9/19/2018 4:57:50 PM



#64
Tetrachloroethene
Concen: 97.92 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.0	150.0
129	89.9	70.8	106.2
131	86.2	69.6	104.4





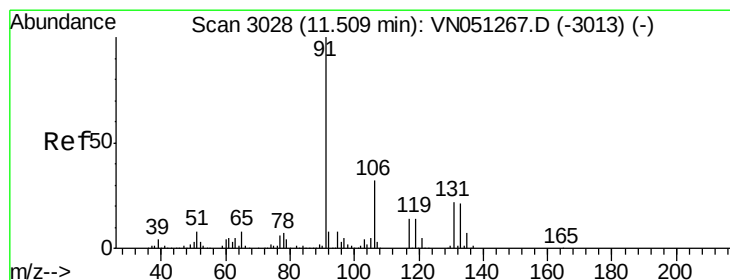
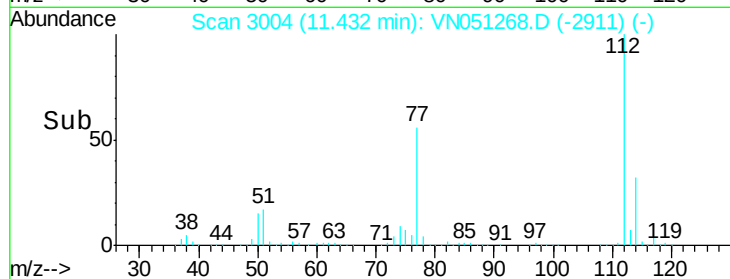
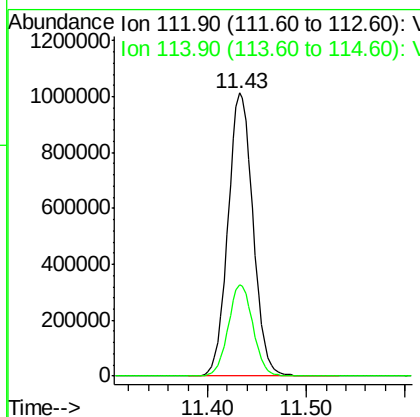
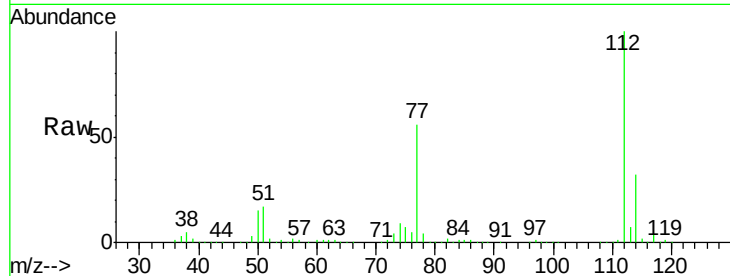
#65
Chlorobenzene
Concen: 99.48 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1795403
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

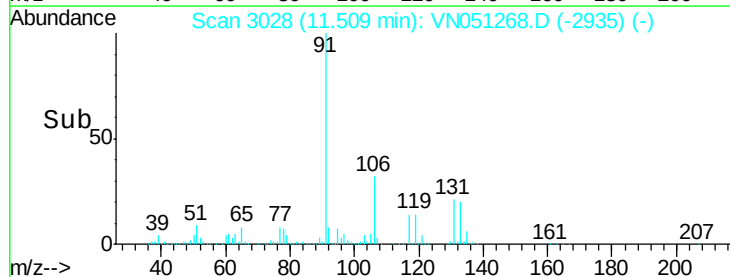
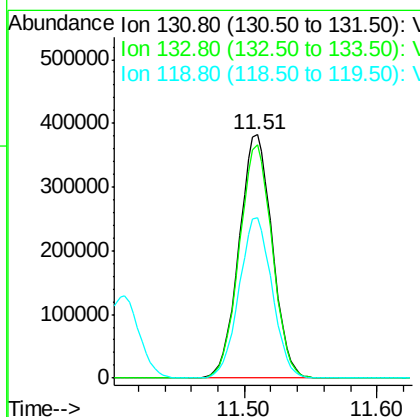
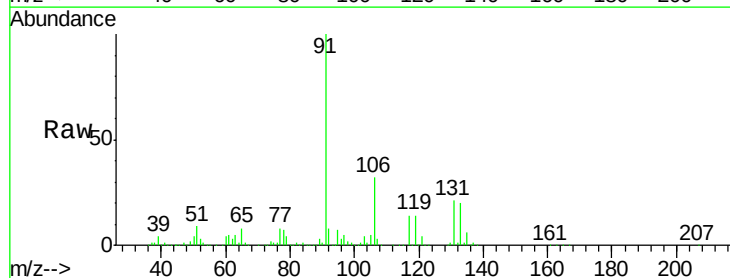
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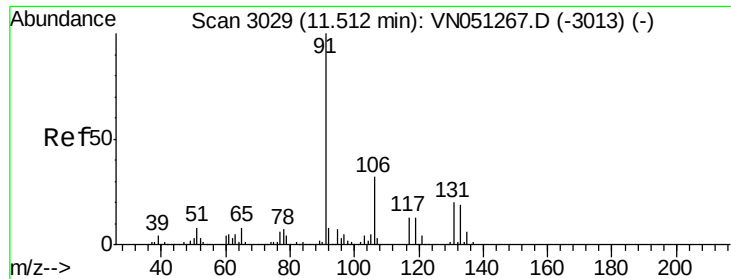
MMDadoda
9/19/2018 4:57:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 101.17 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion:131 Resp: 661646
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.7
119 65.7 32.6 98.0





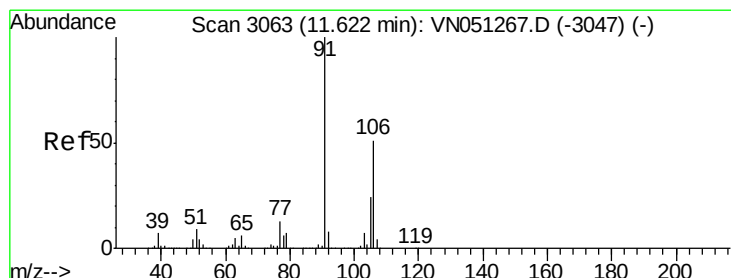
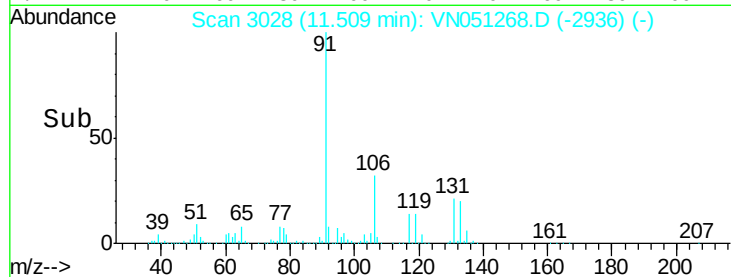
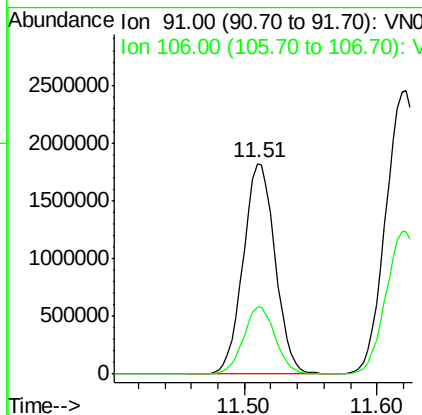
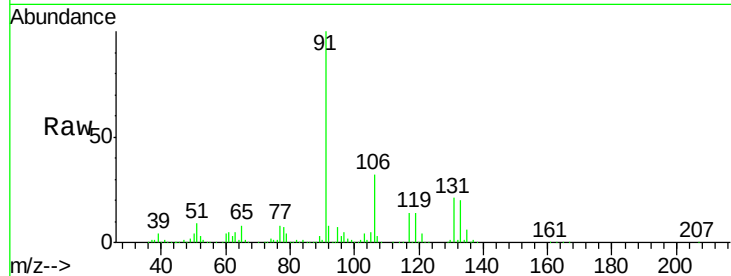
#67
Ethyl Benzene
Concen: 104.29 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 3045986
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5

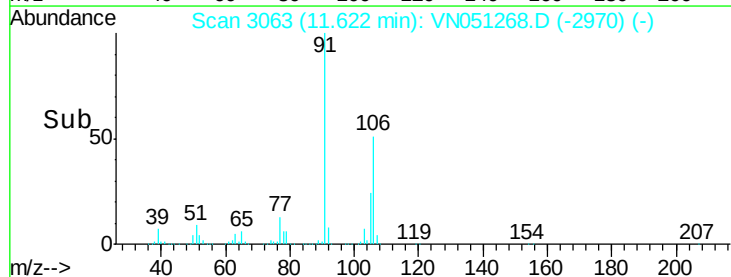
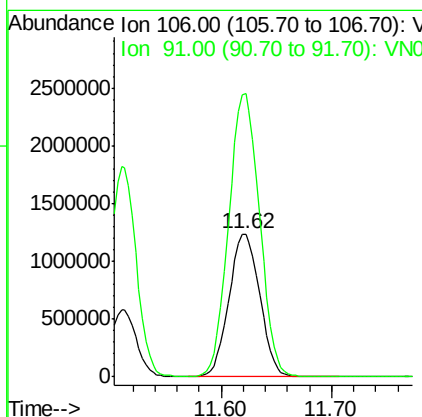
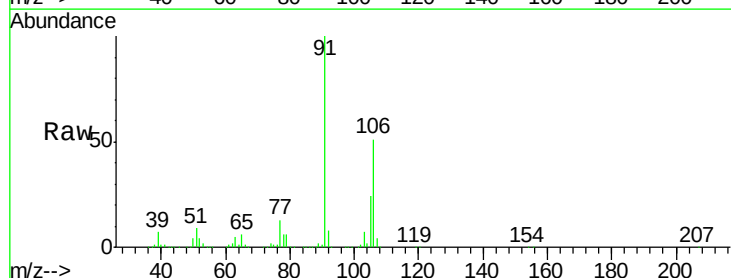
Manual Integrations
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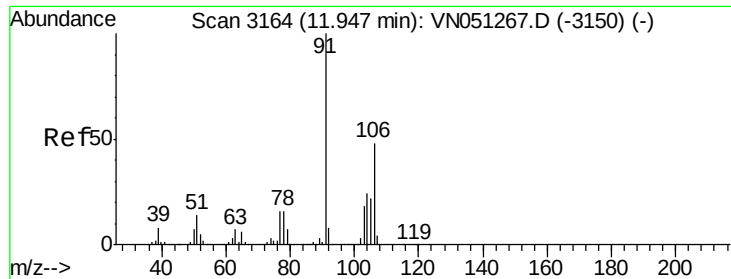
MMDadoda
9/19/2018 4:57:50 PM



#68
m/p-Xylenes
Concen: 212.98 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion: 106 Resp: 2393815
Ion Ratio Lower Upper
106 100
91 198.4 158.6 238.0





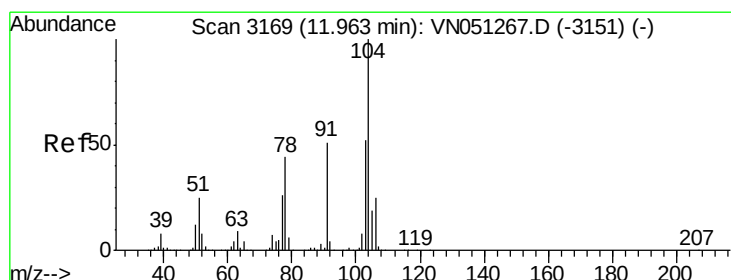
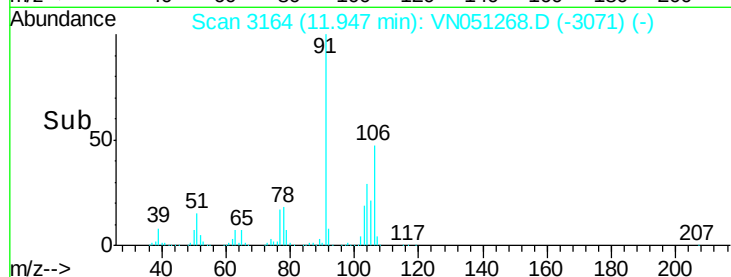
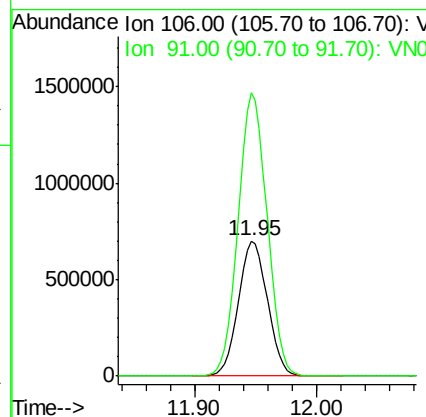
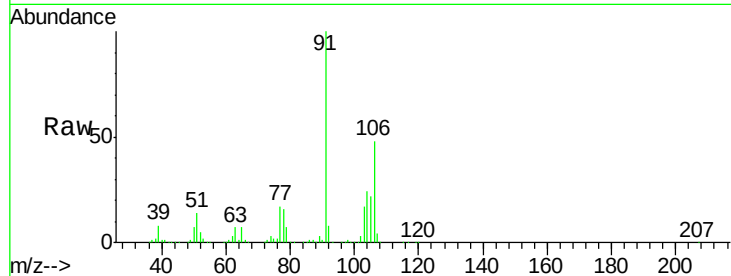
#69
o-Xylene
Concen: 106.07 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1154875
Ion Ratio Lower Upper
106 100
91 208.9 104.1 312.3

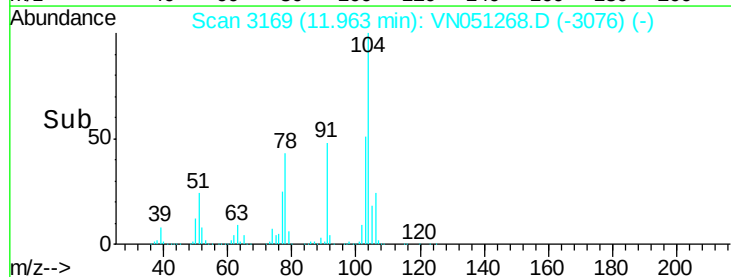
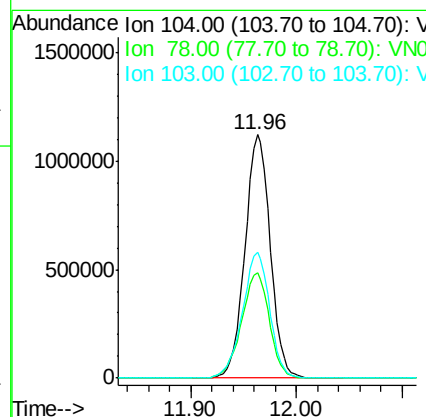
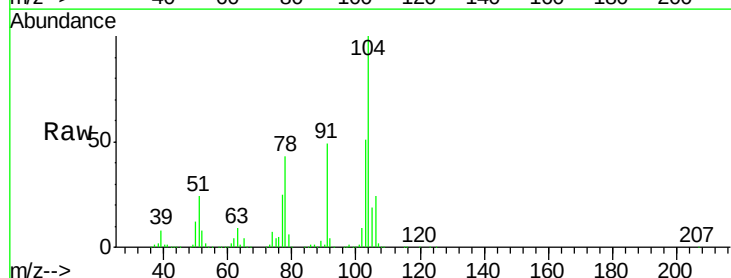
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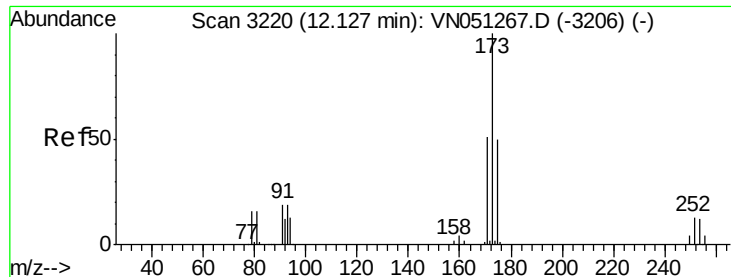
MMDadoda
9/19/2018 4:57:50 PM



#70
Styrene
Concen: 110.50 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion:104 Resp: 1863287
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.7 44.8 67.2





#71

Bromoform

Concen: 102.36 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 468424

Ion Ratio Lower Upper

173 100

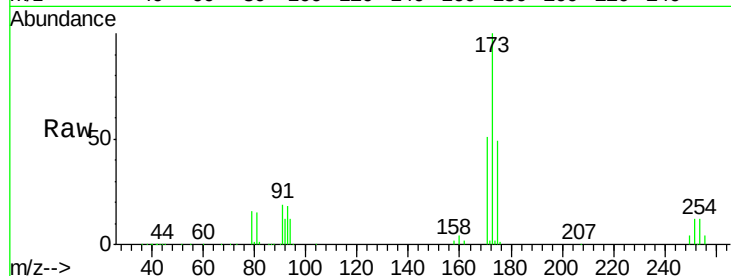
175 49.4 24.4 73.2

254 0.0 0.1 0.1#

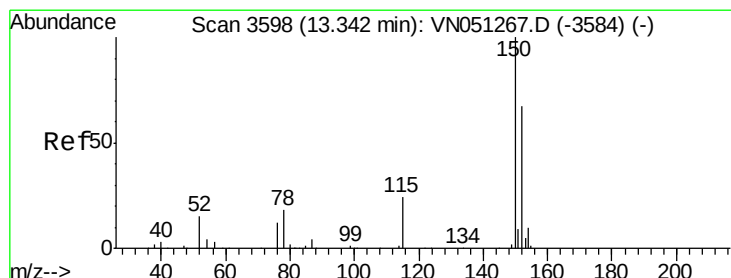
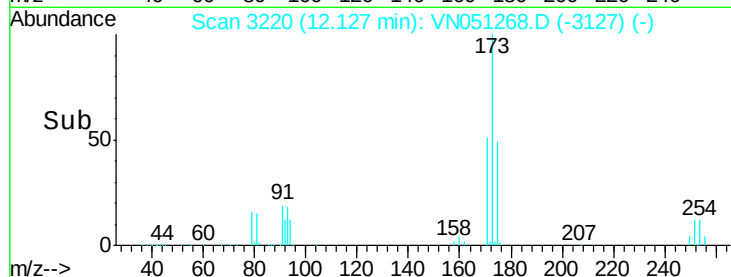
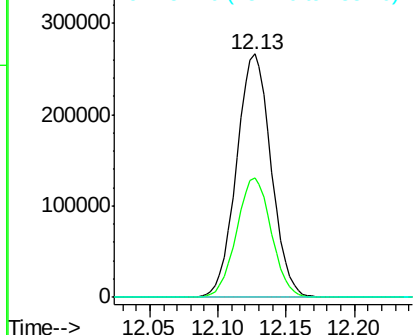
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

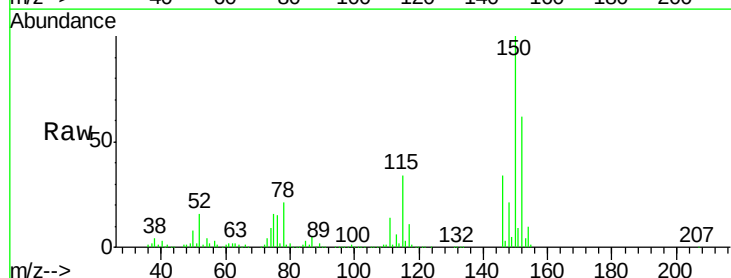
Tgt Ion:152 Resp: 378200

Ion Ratio Lower Upper

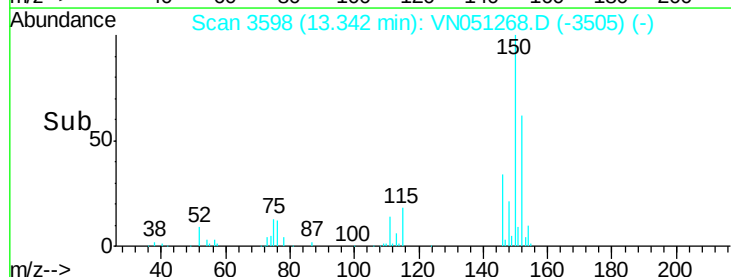
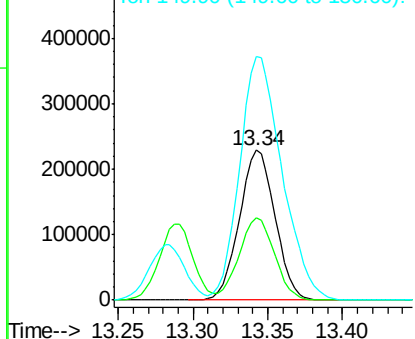
152 100

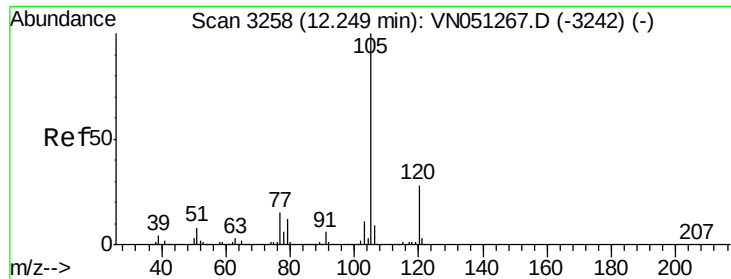
115 55.0 27.1 81.2

150 193.8 0.0 349.0



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





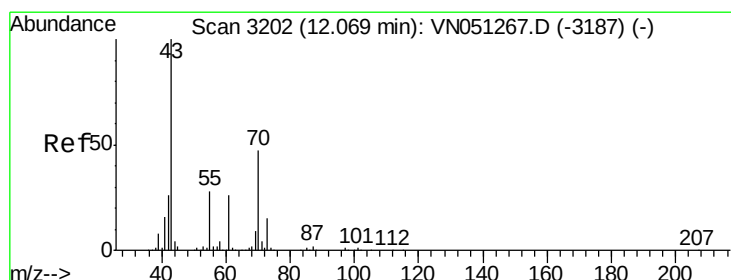
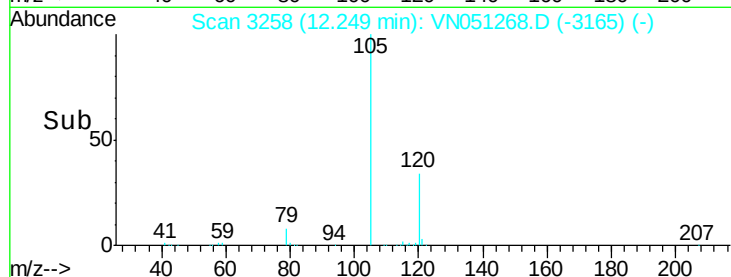
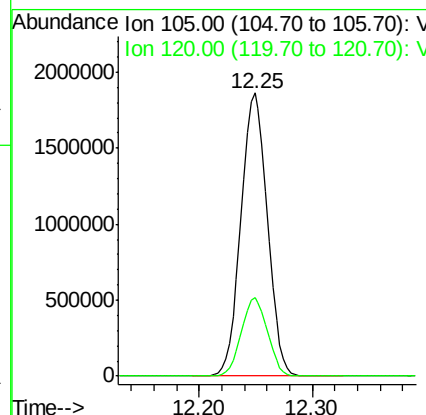
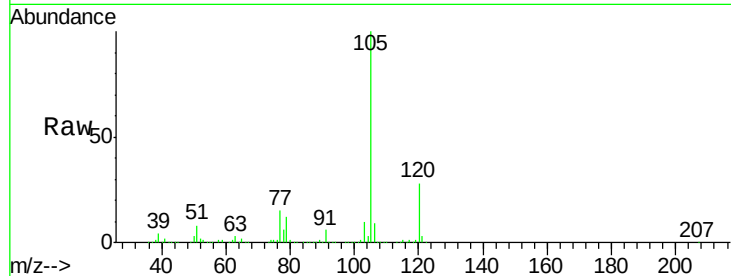
#73
Isopropylbenzene
Concen: 95.28 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 3033298
Ion Ratio Lower Upper
105 100
120 27.4 13.8 41.4

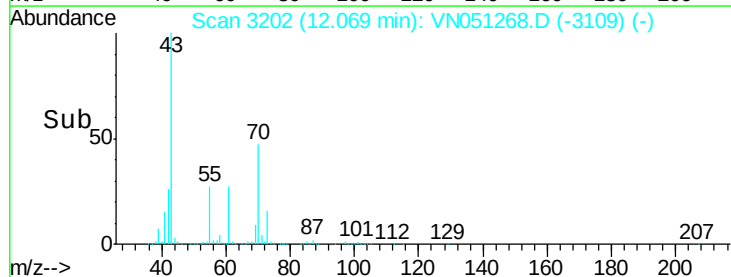
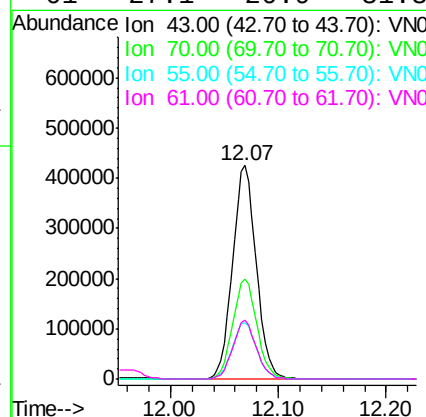
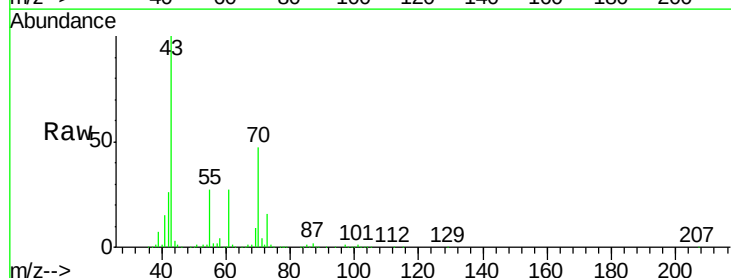
Manual Integrations
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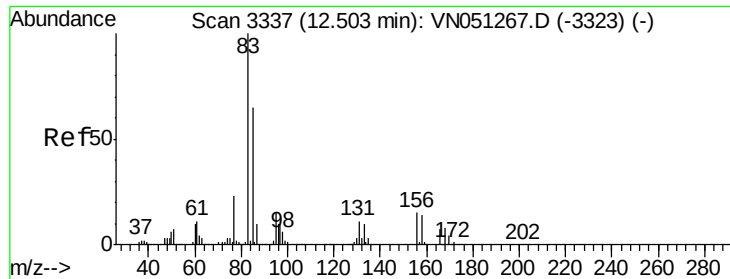
MMDadoda
9/19/2018 4:57:50 PM



#74
N-ethyl acetate
Concen: 83.25 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051268.D
Acq: 17 Sep 2018 12:00

Tgt Ion: 43 Resp: 650495
Ion Ratio Lower Upper
43 100
70 47.9 37.8 56.6
55 27.3 22.6 34.0
61 27.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 76.76 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

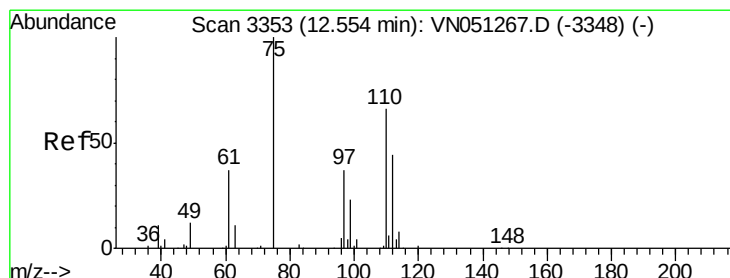
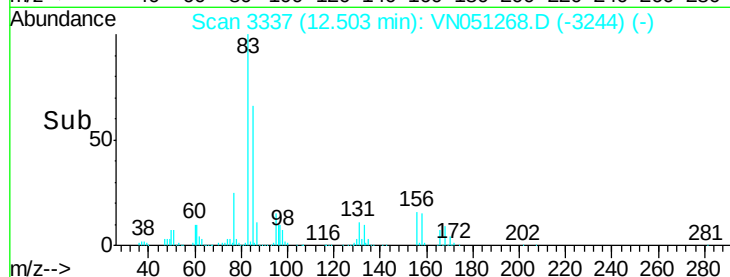
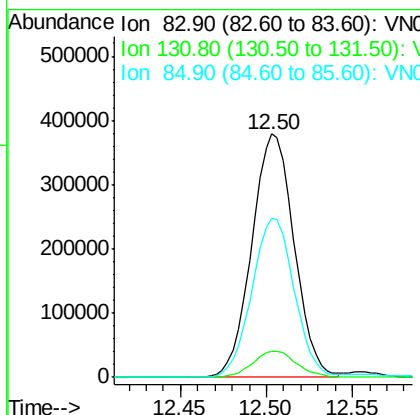
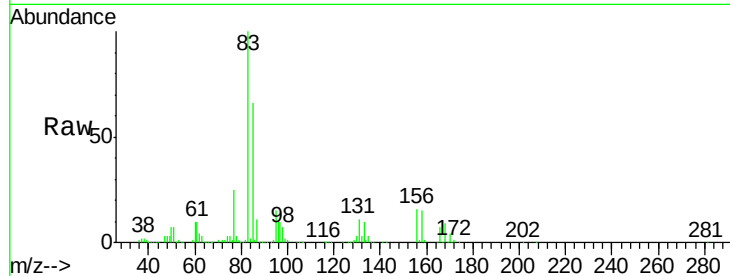
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	645964
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	65.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 69.81 ug/l m

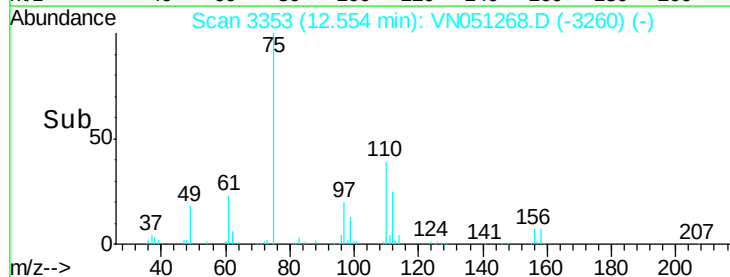
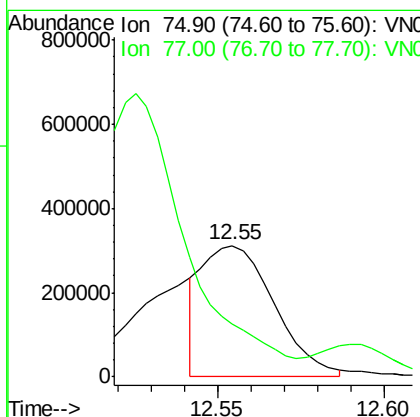
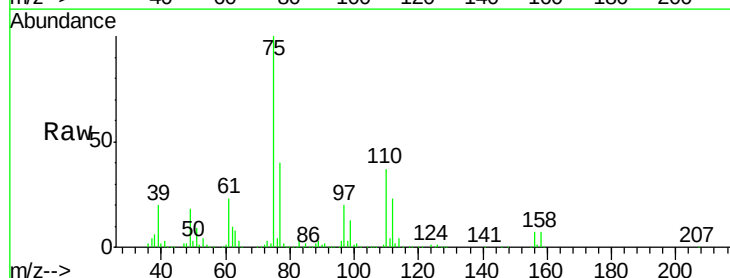
RT: 12.55 min Scan# 3353

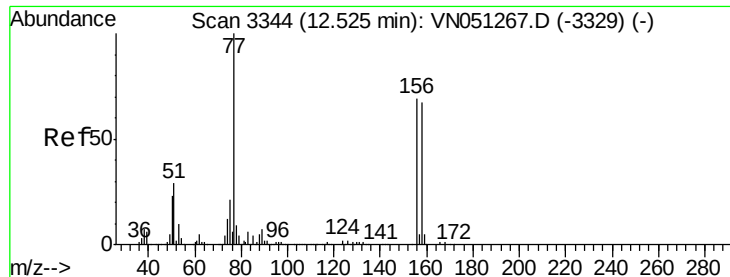
Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Tgt Ion:	75	Resp:	472164
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 92.46 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

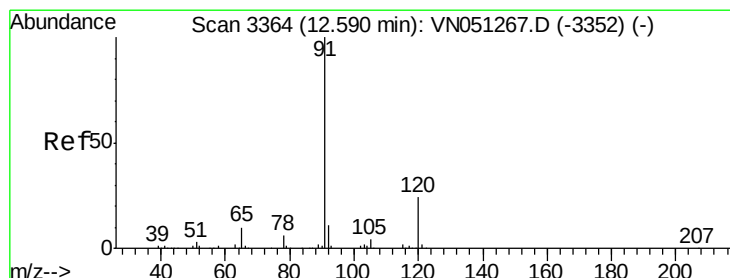
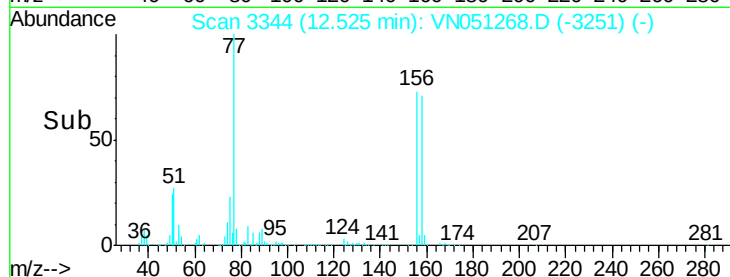
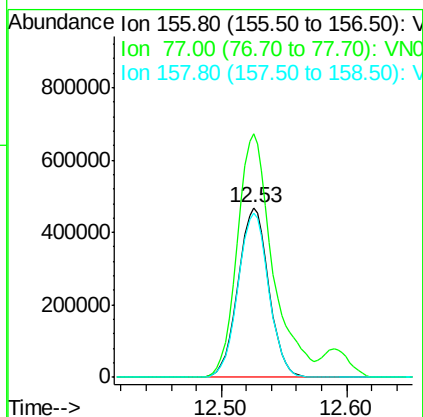
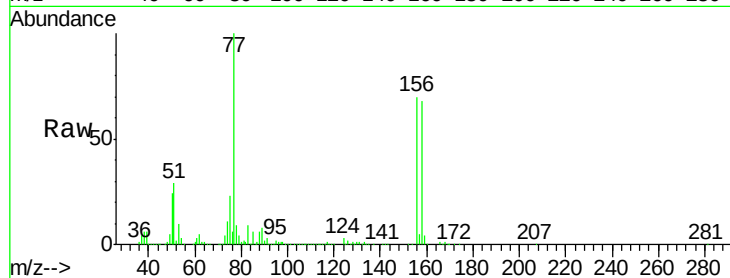
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	792665
Ion Ratio	Lower	Upper	
156	100		
77	166.1	83.7	251.1
158	97.3	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 97.38 ug/l

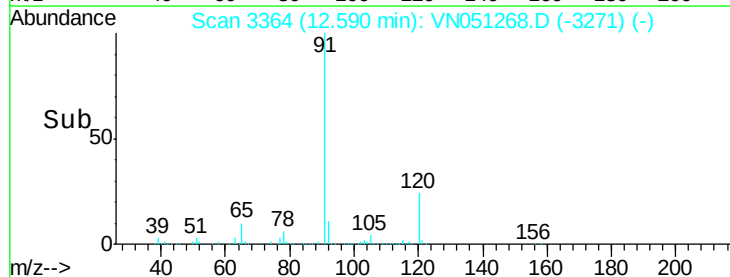
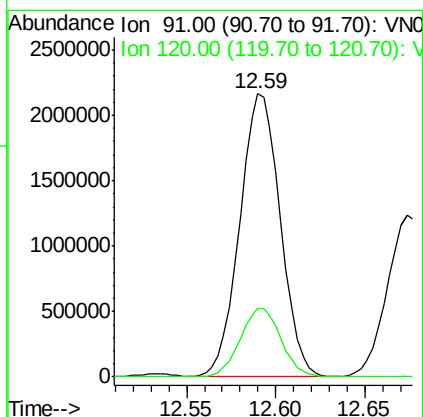
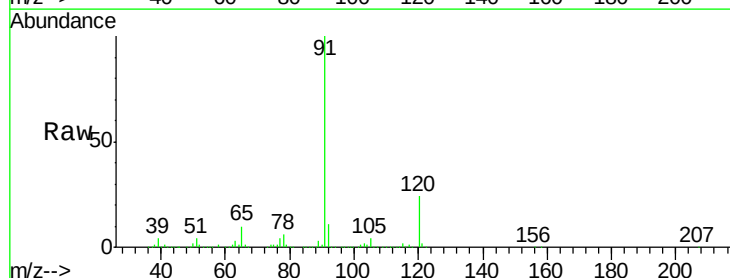
RT: 12.59 min Scan# 3364

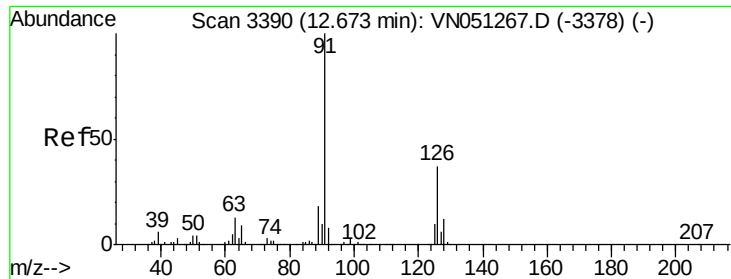
Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Tgt Ion:	91	Resp:	3408103
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.1	36.3





#79

2-Chlorotoluene

Concen: 92.17 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2016234

Ion Ratio Lower Upper

91 100

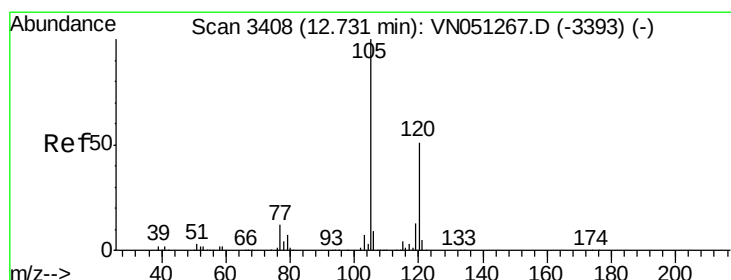
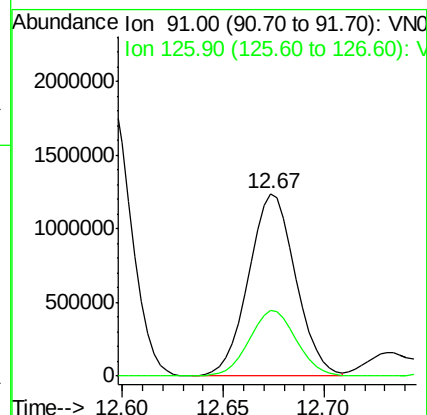
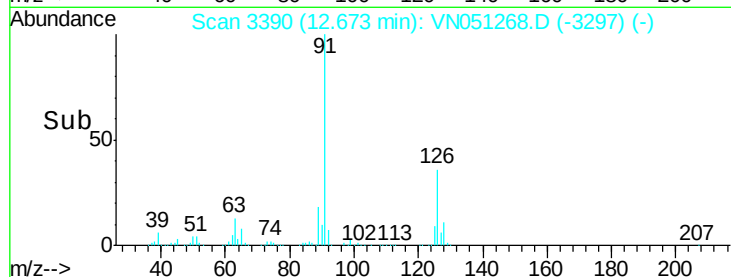
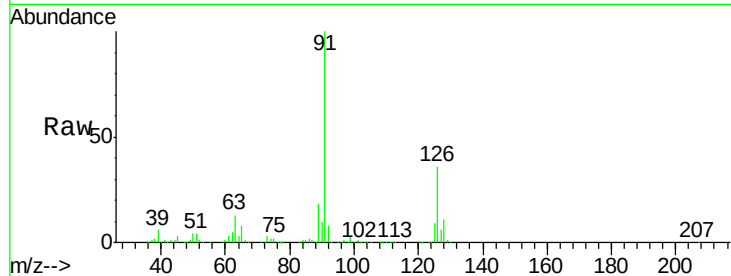
126 36.5 18.2 54.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 97.58 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051268.D

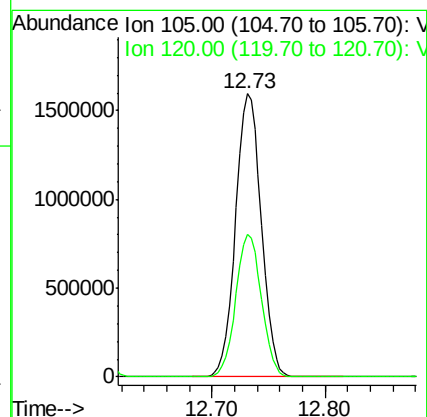
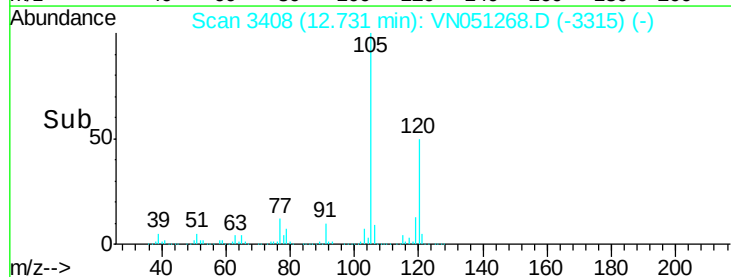
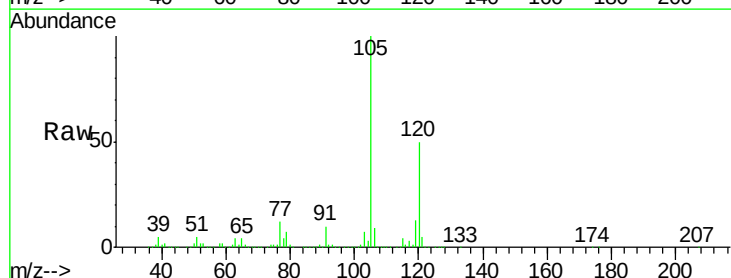
Acq: 17 Sep 2018 12:00

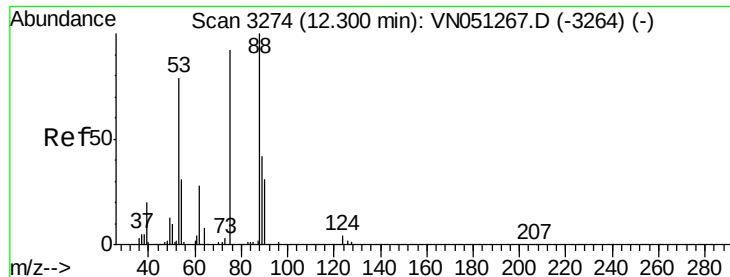
Tgt Ion: 105 Resp: 2515435

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 88.80 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 174362

Ion Ratio Lower Upper

75 100

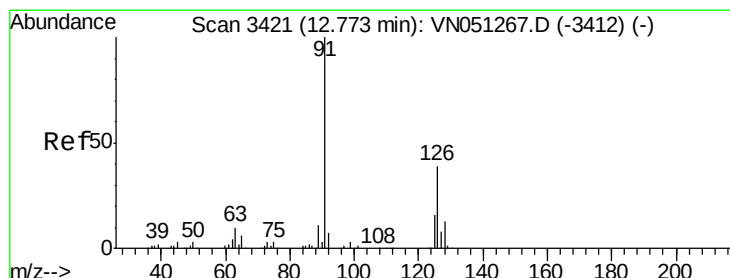
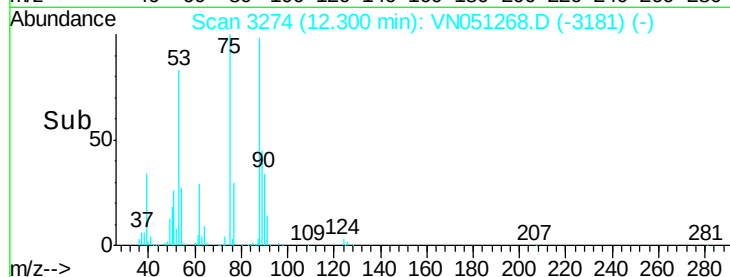
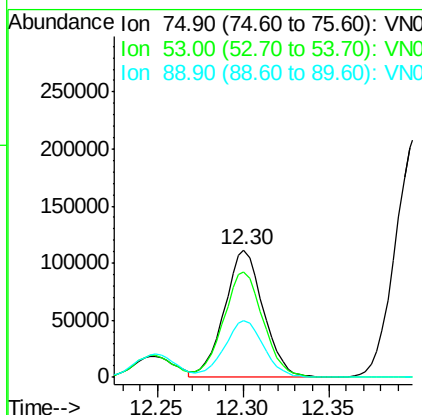
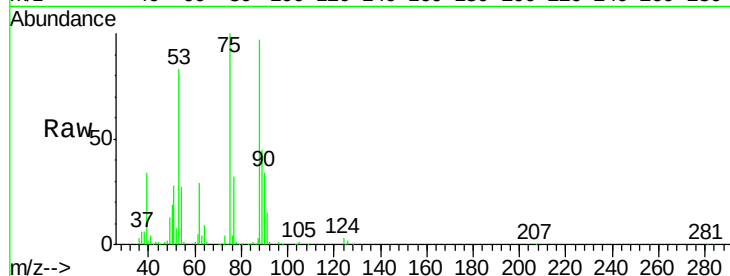
53 86.3 67.7 101.5

89 45.7 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 93.67 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051268.D

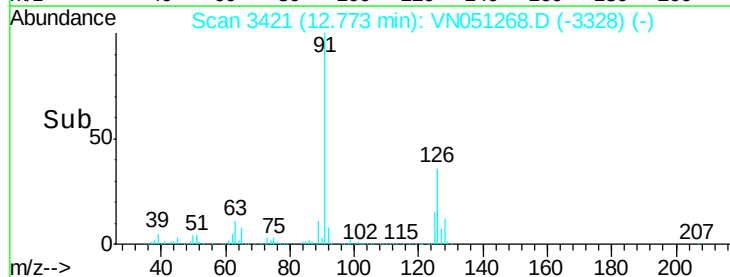
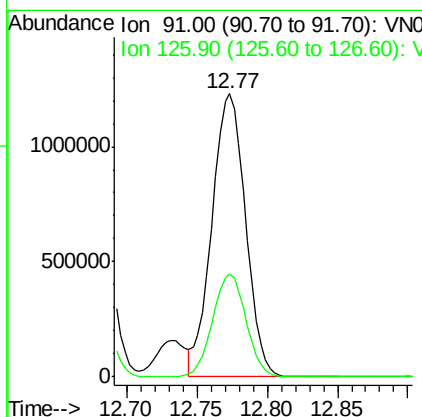
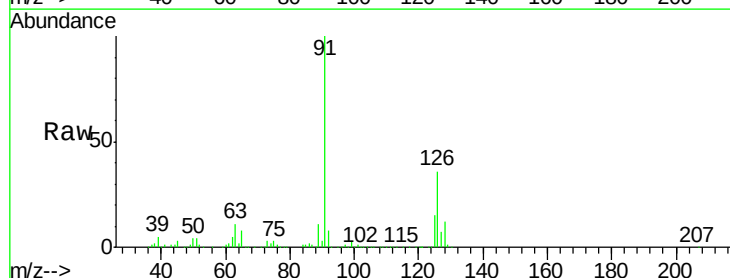
Acq: 17 Sep 2018 12:00

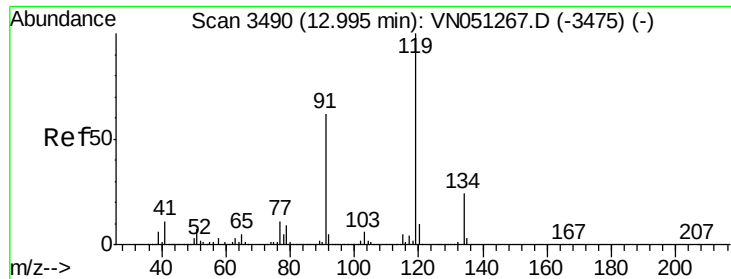
Tgt Ion: 91 Resp: 2029974

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.8





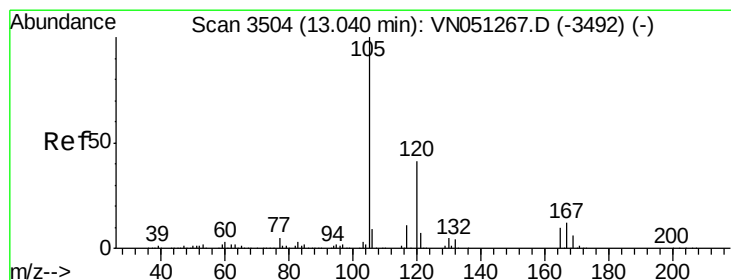
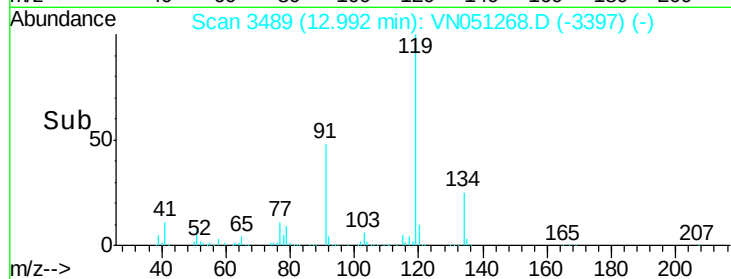
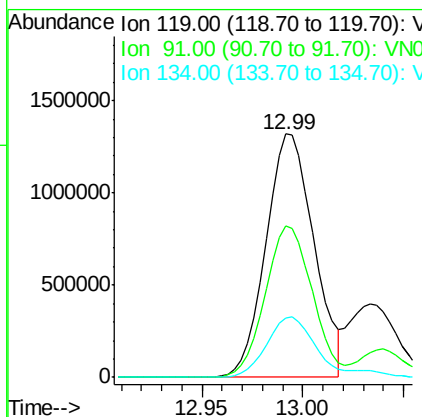
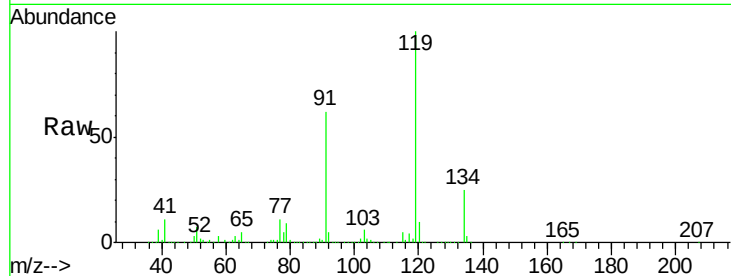
#83
 tert-Butylbenzene
 Concen: 95.92 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 2180733
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.8 92.4
 134 24.9 12.4 37.0

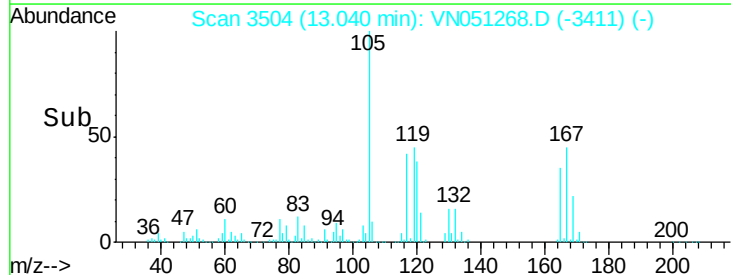
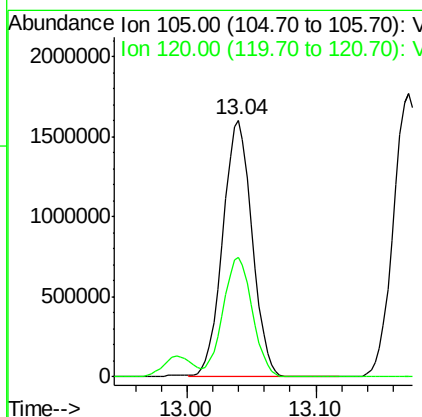
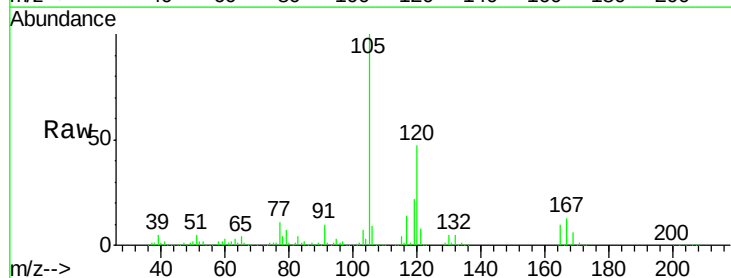
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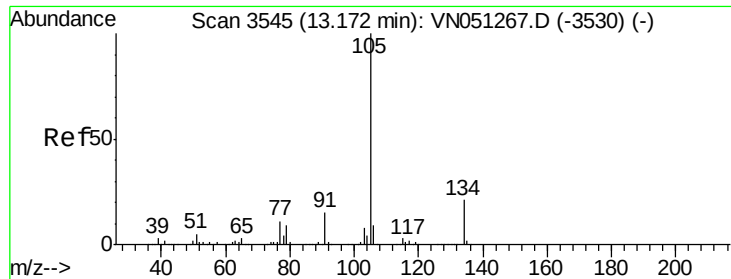
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#84
 1,2,4-Trimethylbenzene
 Concen: 99.71 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion:105 Resp: 2525481
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.5 70.6





#85

sec-Butylbenzene

Concen: 97.32 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2839888

Ion Ratio Lower Upper

105 100

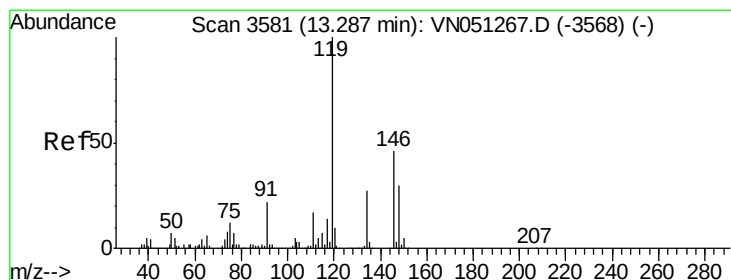
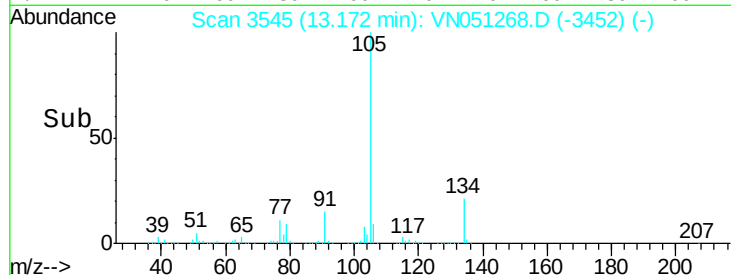
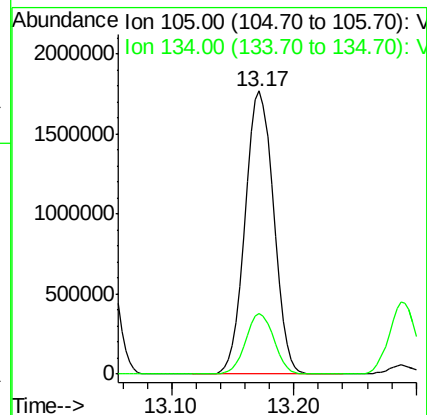
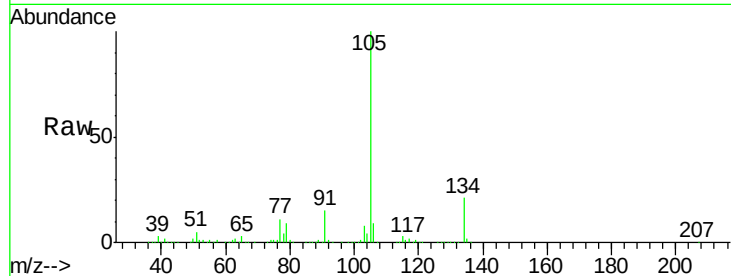
134 21.1 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 103.46 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

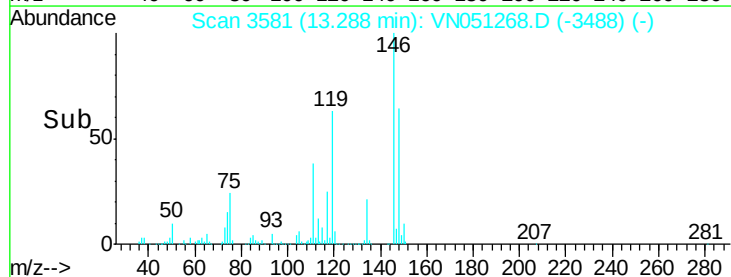
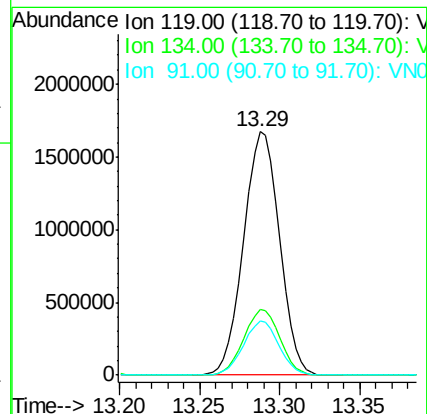
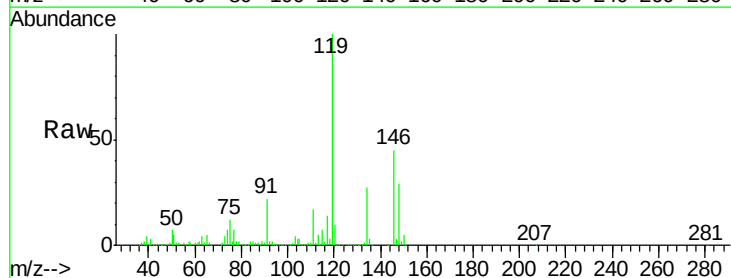
Tgt Ion:119 Resp: 2557111

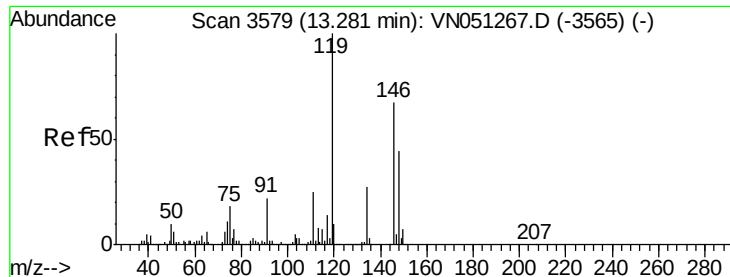
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 21.8 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 94.49 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1370532

Ion Ratio Lower Upper

146 100

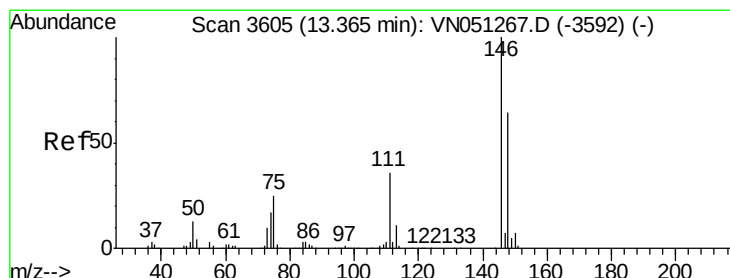
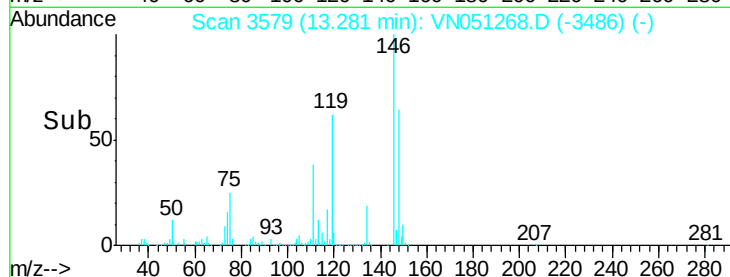
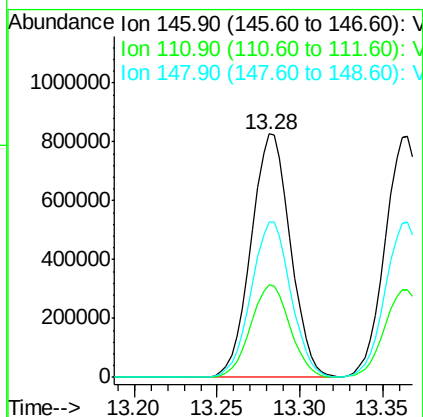
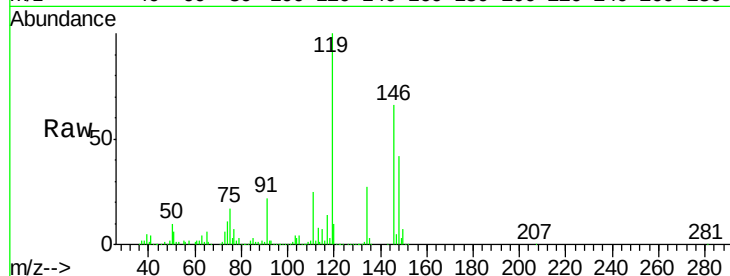
111 37.9 18.7 56.1

148 64.3 32.2 96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 93.33 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

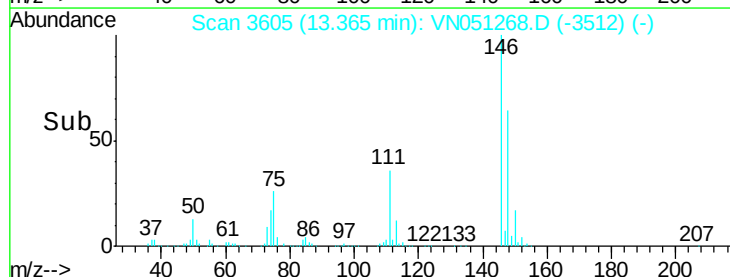
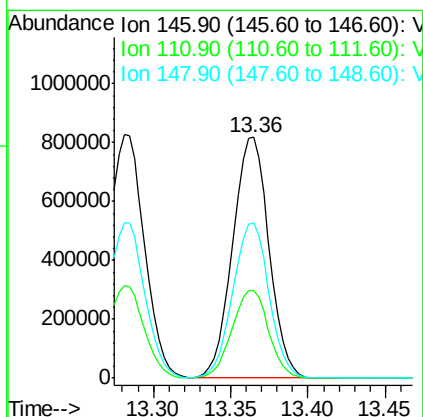
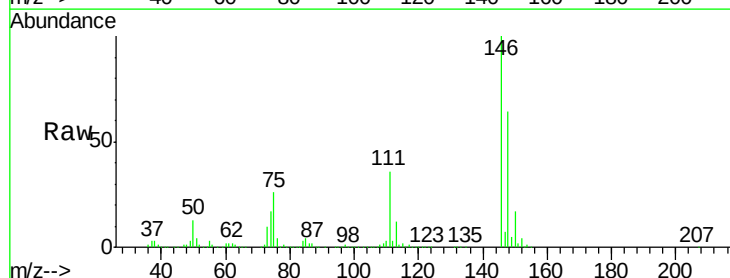
Tgt Ion:146 Resp: 1333031

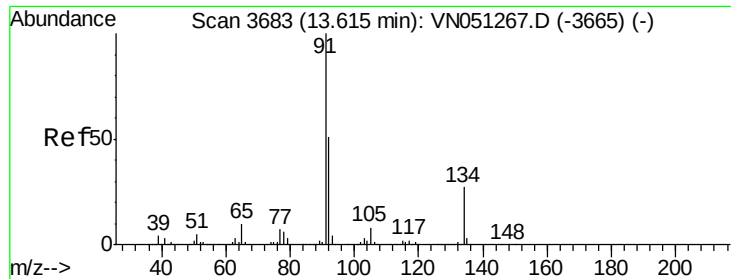
Ion Ratio Lower Upper

146 100

111 36.6 18.2 54.6

148 64.2 31.9 95.7





#89

n-Butylbenzene

Concen: 104.76 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2003015

Ion Ratio Lower Upper

91 100

92 52.6 25.8 77.4

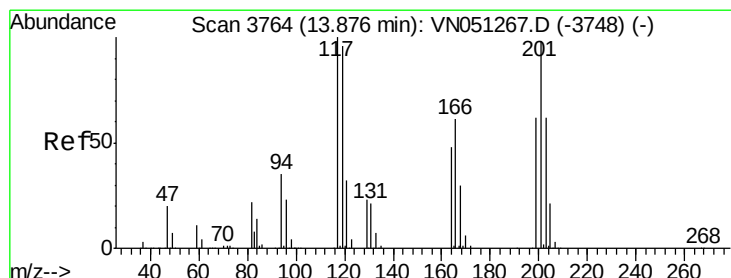
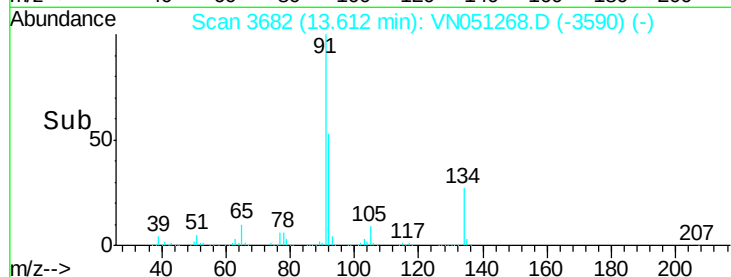
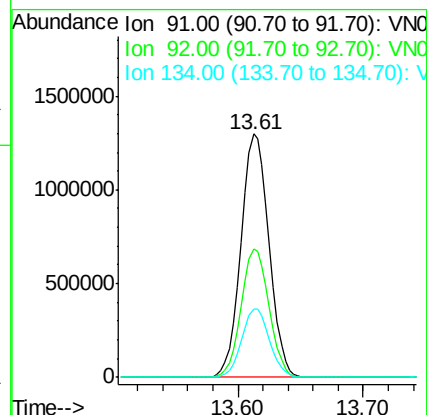
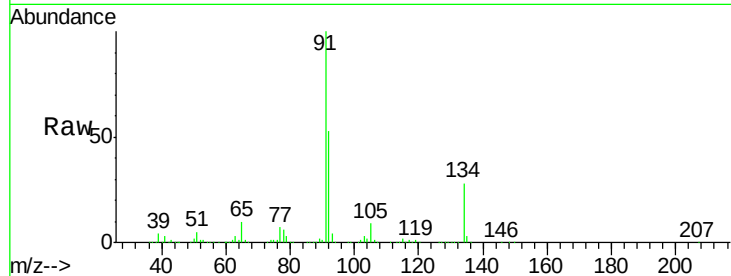
134 28.1 13.7 41.0

Manual Integrations

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#90

Hexachloroethane

Concen: 90.59 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051268.D

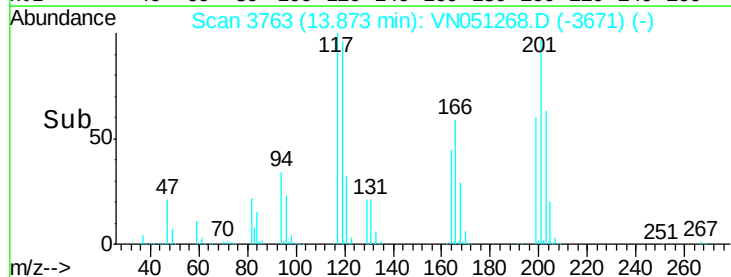
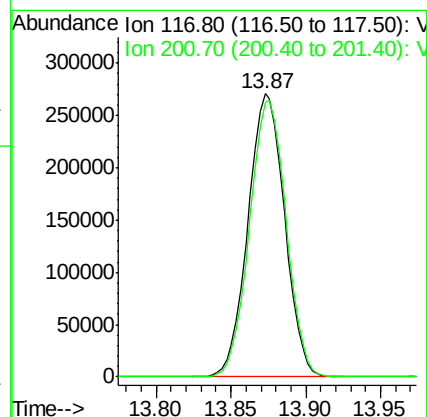
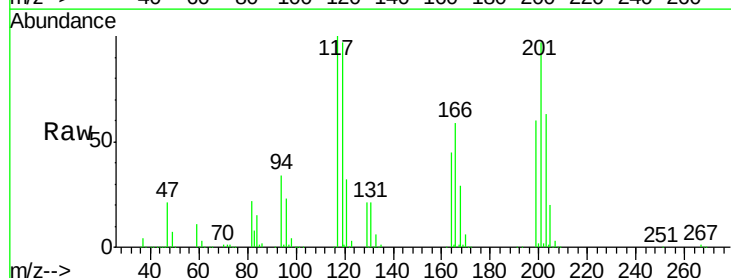
Acq: 17 Sep 2018 12:00

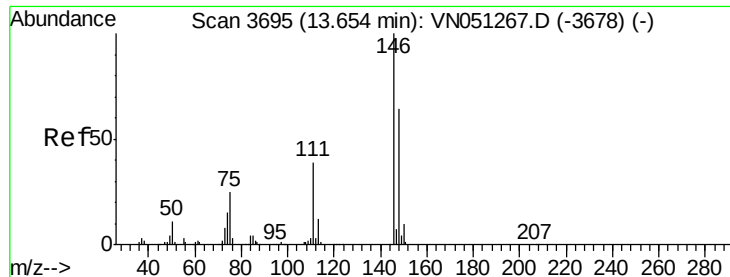
Tgt Ion: 117 Resp: 460459

Ion Ratio Lower Upper

117 100

201 97.8 48.4 145.3





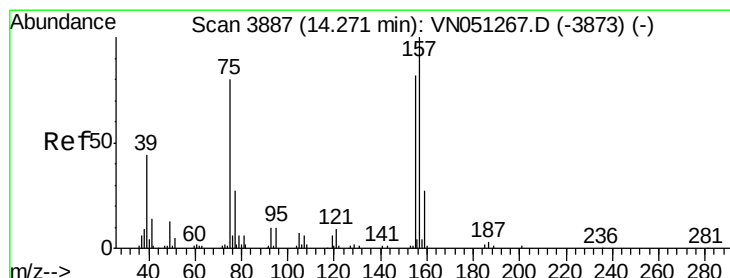
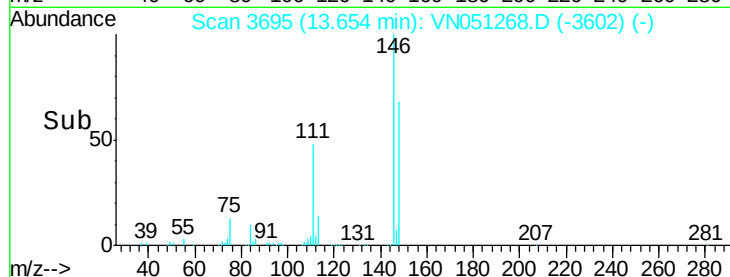
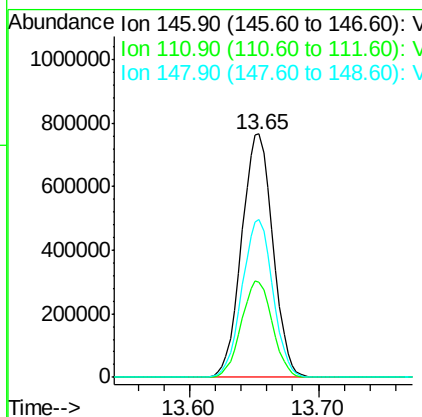
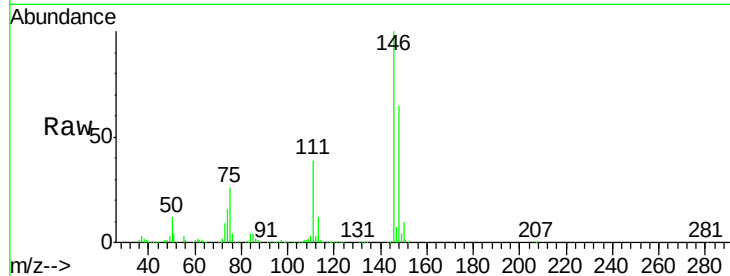
#91
 1,2-Dichlorobenzene
 Concen: 91.46 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	64.1	31.9	95.9

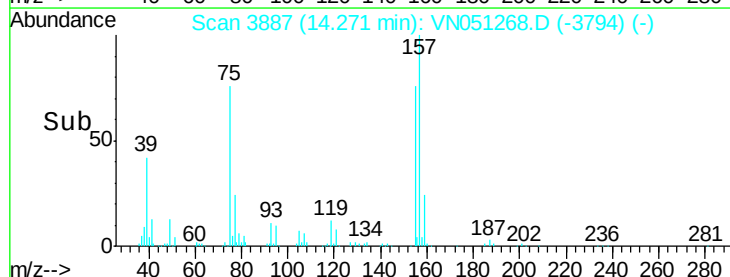
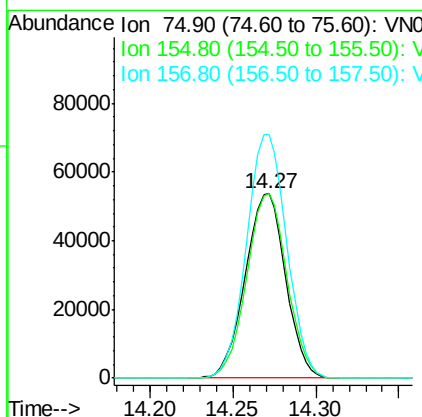
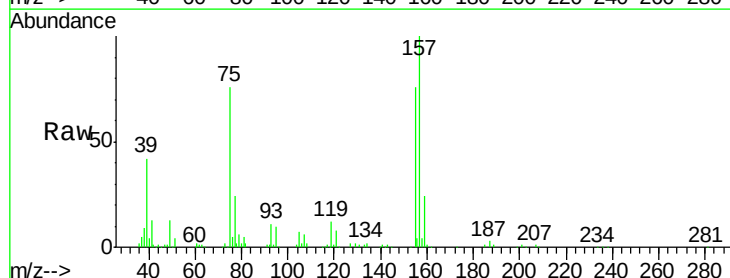
Manual Integrations
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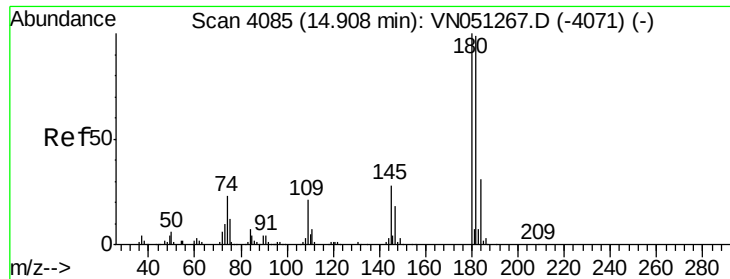
MMDadoda
 9/19/2018 4:57:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.64 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	50.2	150.7
157	131.4	62.9	188.7





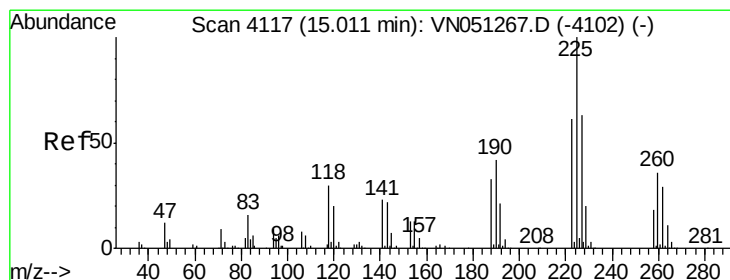
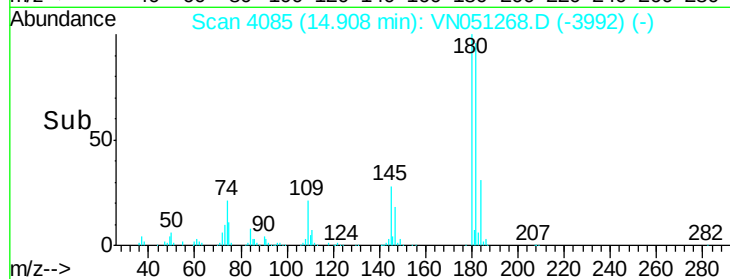
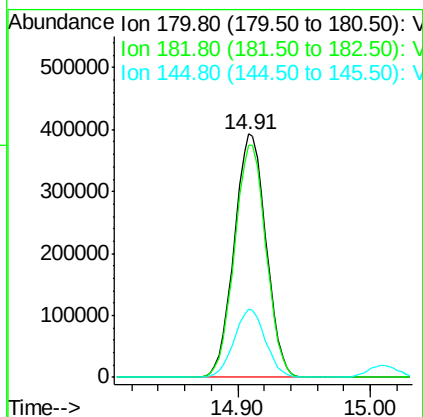
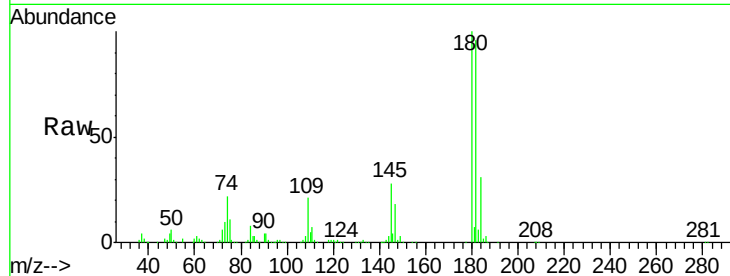
#93
 1,2,4-Trichlorobenzene
 Concen: 109.51 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	653531		
182	94.8	48.5	145.6	
145	27.6	14.0	41.9	

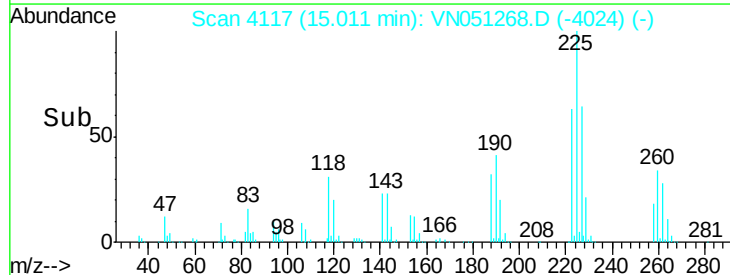
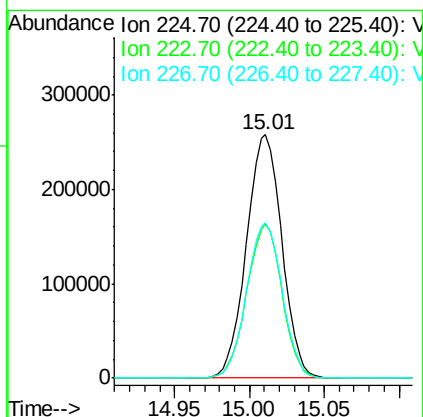
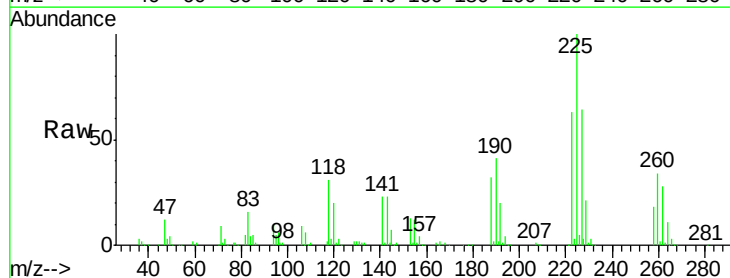
Manual Integrations
 APPROVED

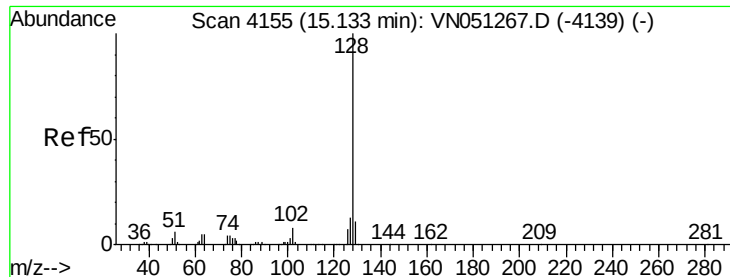
MMDadoda
 9/19/2018 4:57:50 PM



#94
 Hexachlorobutadiene
 Concen: 85.17 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051268.D
 Acq: 17 Sep 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	425687		
223	62.7	30.8	92.3	
227	63.8	32.1	96.3	





#95

Naphthalene

Concen: 97.17 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1213356

Ion Ratio Lower Upper

128 100

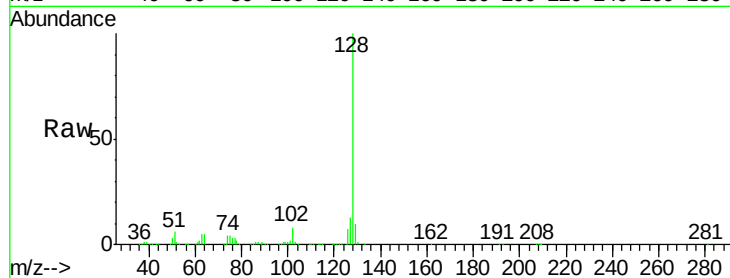
127 13.0 10.7 16.1

129 10.8 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

9/19/2018 4:57:50 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13

800000

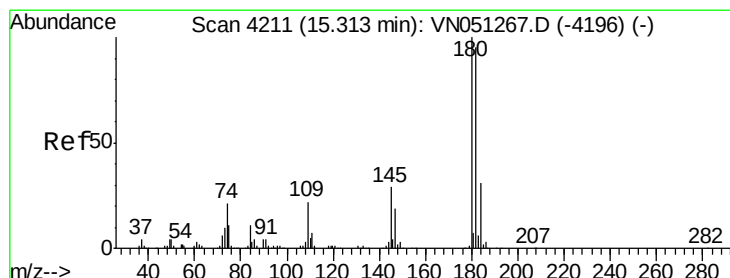
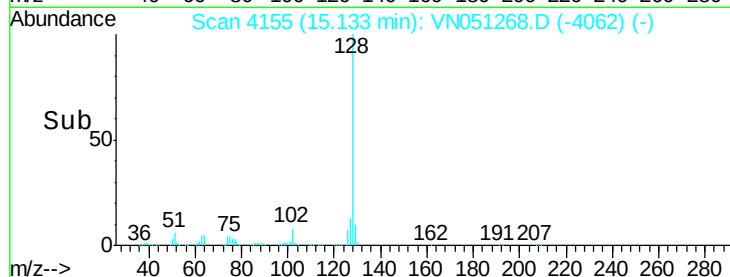
600000

400000

200000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 97.44 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051268.D

Acq: 17 Sep 2018 12:00

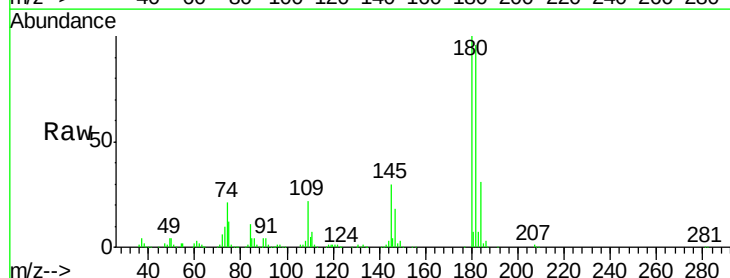
Tgt Ion:180 Resp: 604923

Ion Ratio Lower Upper

180 100

182 96.4 47.5 142.6

145 29.3 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.31

400000

300000

200000

100000

0

Time-->

