

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068272.D
 Acq On : 23 Aug 2021 16:33
 Operator : JC/MD
 Sample : M3502-03ME
 Misc : 6.29g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 03:54:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

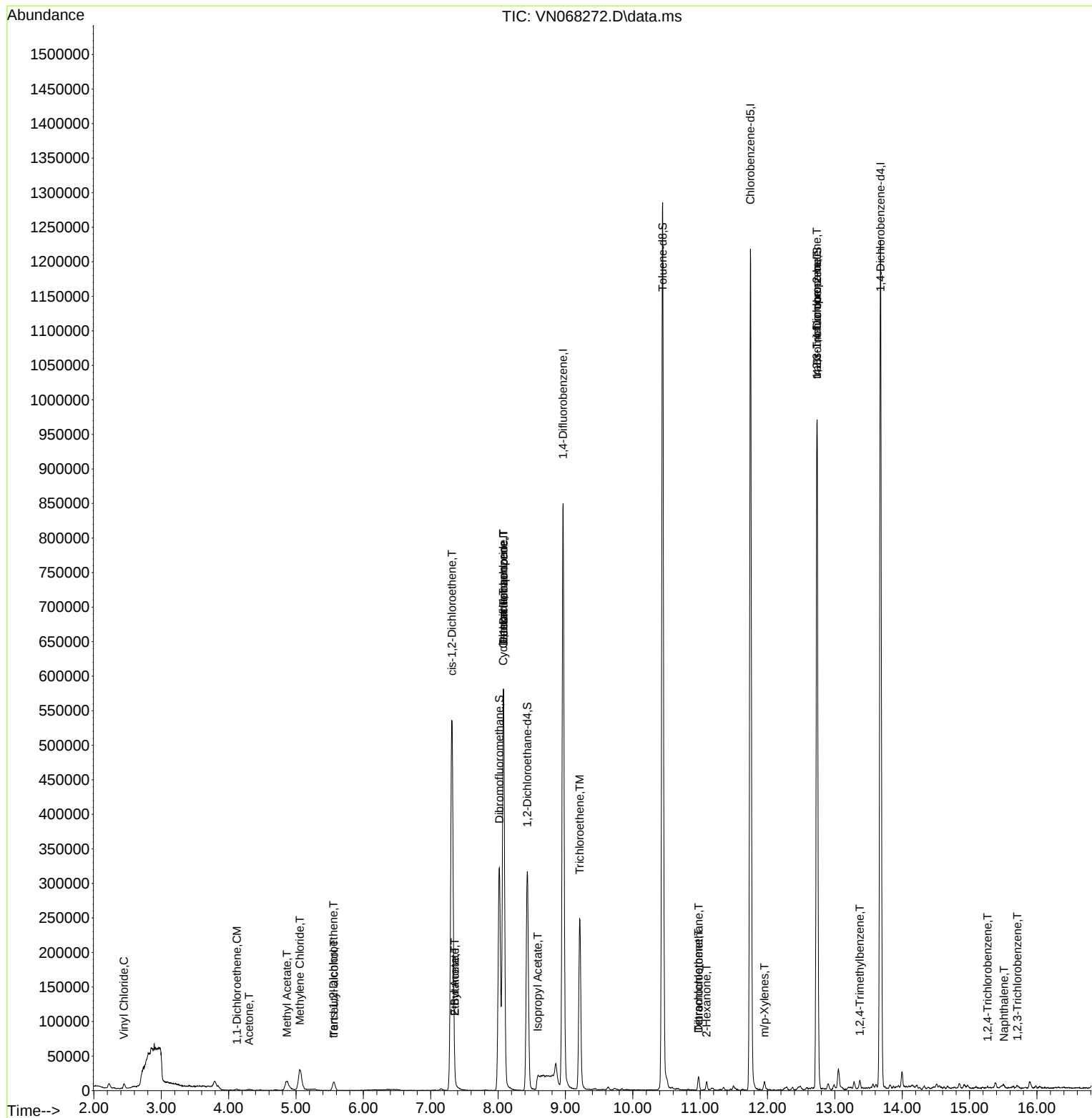
Internal Standards						
1) Pentafluorobenzene	8.080	168	490847	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	810983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	775042	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	362732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	267290	51.001	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.000%			
35) Dibromofluoromethane	8.018	113	238215	46.786	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.580%			
50) Toluene-d8	10.443	98	936201	48.256	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.520%			
62) 4-Bromofluorobenzene	12.736	95	324659	50.269	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.540%			
Target Compounds			Qvalue			
4) Vinyl Chloride	2.445	62	7355	1.068	ug/l	96
5) Bromomethane	2.805	94	1343	Below Cal	#	64
6) Chloroethane	2.976	64	733	Below Cal	#	49
11) Tert butyl alcohol	5.562	59	287	0.439	ug/l	# 71
12) 1,1-Dichloroethene	4.122	96	944	0.237	ug/l	# 22
13) Acrolein	4.028	56	202	Below Cal	#	77
16) Acetone	4.304	43	1255	0.820	ug/l	97
18) Methyl Acetate	4.867	43	30916	5.004	ug/l	# 83
20) Methylene Chloride	5.058	84	28167	4.728	ug/l	# 76
21) trans-1,2-Dichloroethene	5.556	96	3833	0.860	ug/l	# 81
25) 2-Butanone	7.356	43	3375	1.415	ug/l	# 44
27) cis-1,2-Dichloroethene	7.313	96	360850	67.648	ug/l	68
31) Cyclohexane	8.075	56	8390	1.215	ug/l	# 1
36) 1,1-Dichloropropene	8.080	75	31064	4.686	ug/l	# 52
37) Ethyl Acetate	7.356	43	3375	0.598	ug/l	# 69
38) Carbon Tetrachloride	8.078	117	45659	5.971	ug/l	# 17
43) Isopropyl Acetate	8.587	43	11684	1.292	ug/l	# 58
44) Trichloroethene	9.212	130	96316	15.829	ug/l	78
59) 2-Hexanone	11.095	43	2223	0.576	ug/l	# 47
60) Dibromochloromethane	10.979	129	4503	0.724	ug/l	# 11
64) Tetrachloroethene	10.974	164	4204	0.701	ug/l	95
68) m/p-Xylenes	11.956	106	2309	0.221	ug/l	88
76) 1,2,3-Trichloropropane	12.733	75	162023	26.874	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	162023	88.044	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.369	105	7645	0.375	ug/l	94
93) 1,2,4-Trichlorobenzene	15.268	180	343	2.739	ug/l	# 45
95) Naphthalene	15.512	128	4528	3.641	ug/l	# 86
96) 1,2,3-Trichlorobenzene	15.708	180	586	2.928	ug/l	# 40

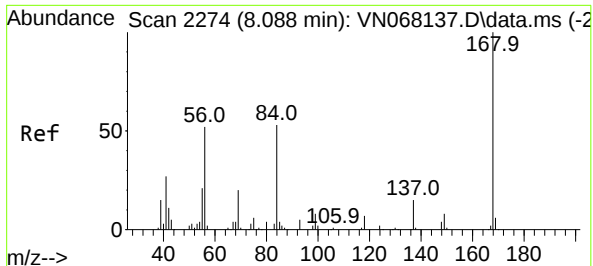
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Aug 24 03:54:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

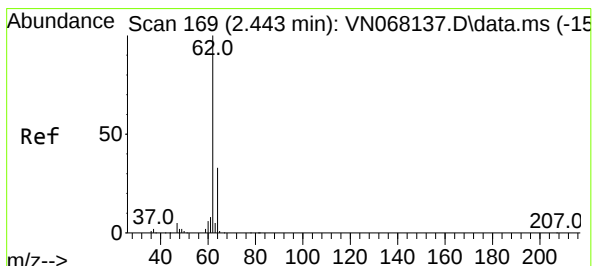
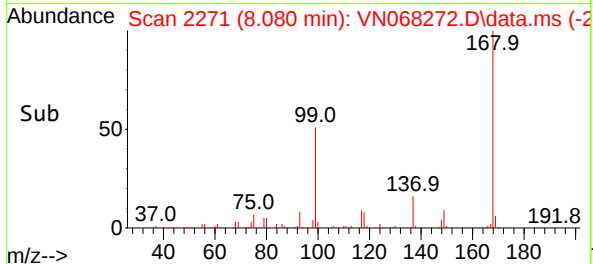
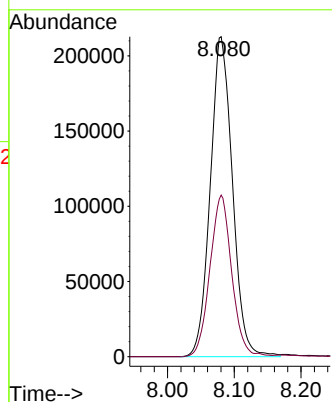
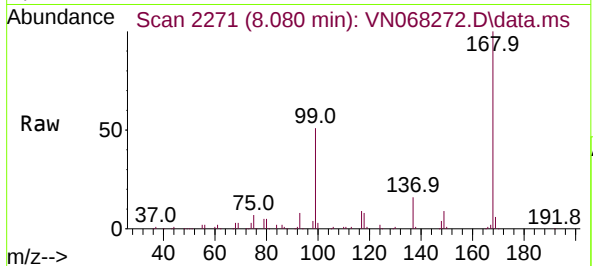




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.008 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

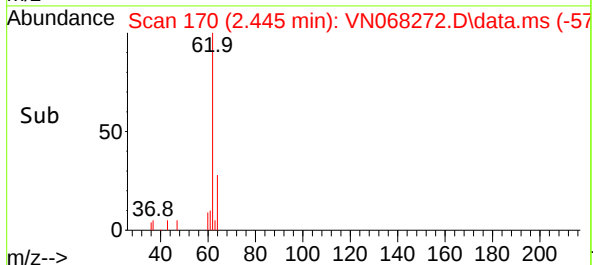
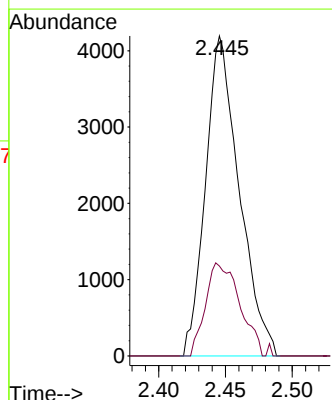
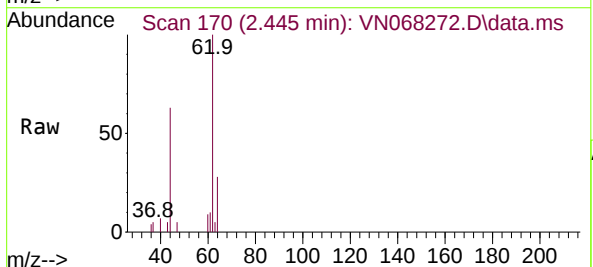
Instrument :
MSVOA_N
ClientSampled :

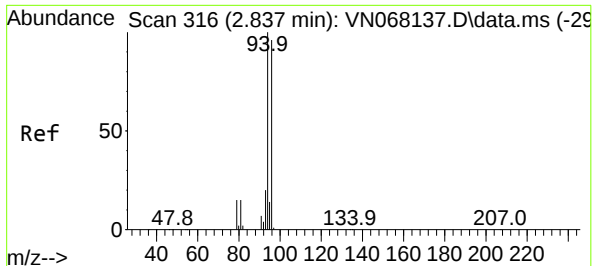
Tgt Ion:168 Resp: 490847
Ion Ratio Lower Upper
168 100
99 50.5 62.9 94.3#



#4
Vinyl Chloride
Concen: 1.068 ug/l
RT: 2.445 min Scan# 170
Delta R.T. 0.002 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 62 Resp: 7355
Ion Ratio Lower Upper
62 100
64 28.1 24.4 36.6

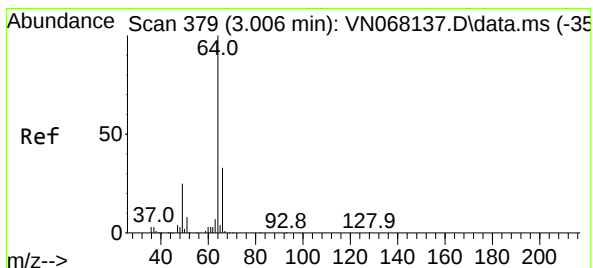
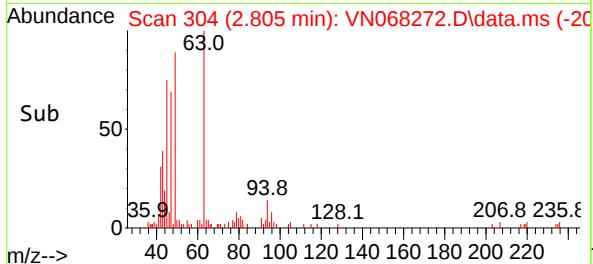
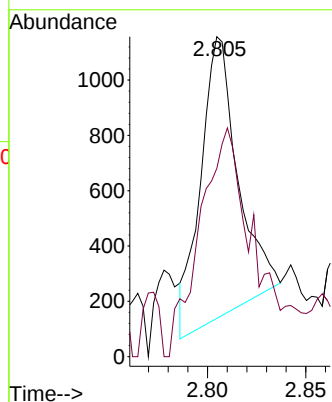
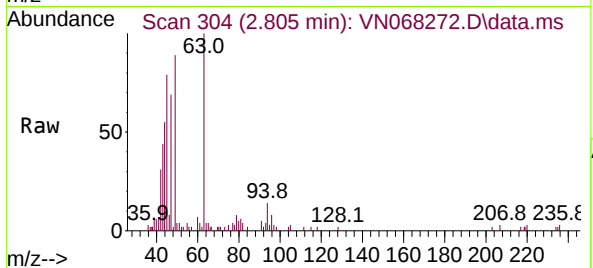




#5
Bromomethane
Concen: Below Cal
RT: 2.805 min Scan# 304
Delta R.T. -0.032 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

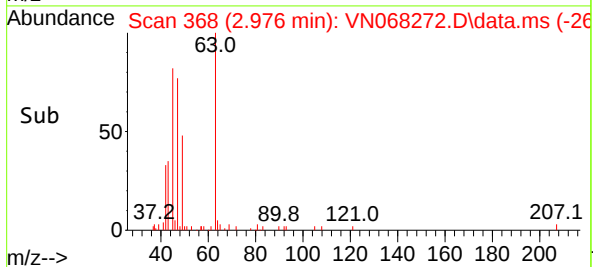
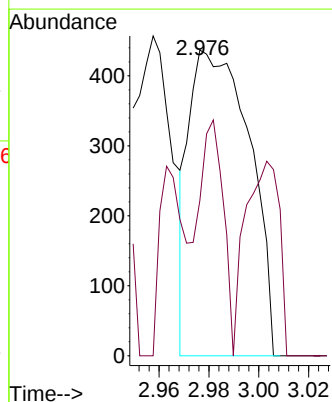
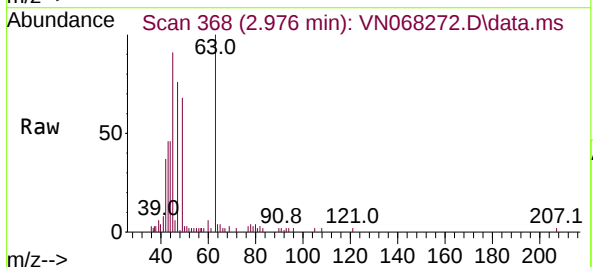
Instrument :
MSVOA_N
ClientSampled :

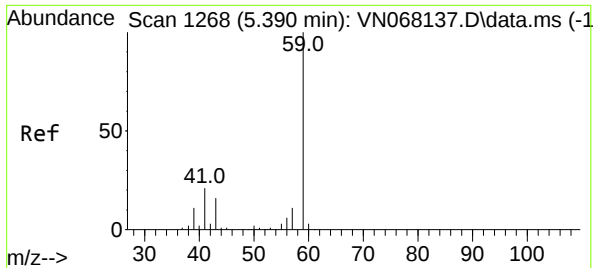
Tgt Ion: 94 Resp: 1343
Ion Ratio Lower Upper
94 100
96 57.7 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.976 min Scan# 368
Delta R.T. -0.030 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 64 Resp: 733
Ion Ratio Lower Upper
64 100
66 3.0 24.7 37.1#

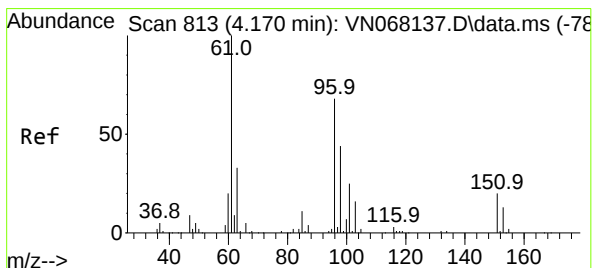
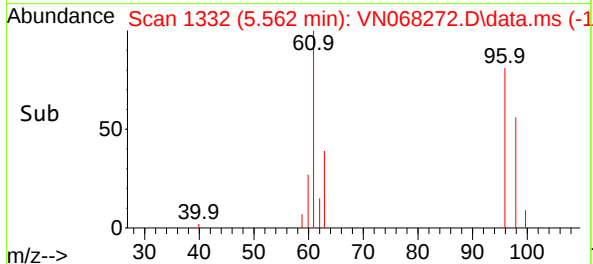
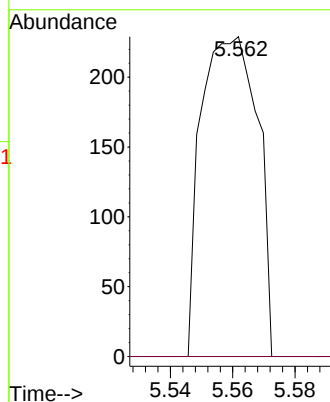
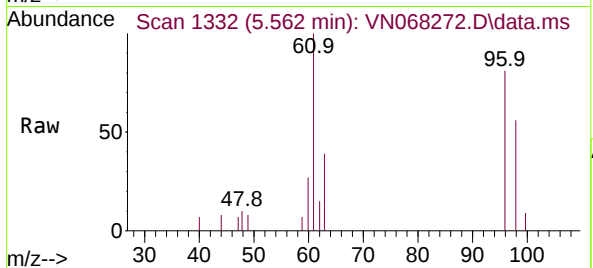




#11
Tert butyl alcohol
Concen: 0.439 ug/l
RT: 5.562 min Scan# 1332
Delta R.T. 0.172 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

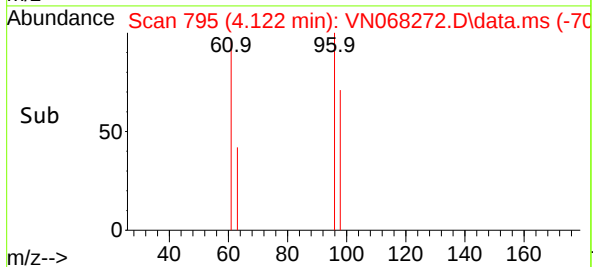
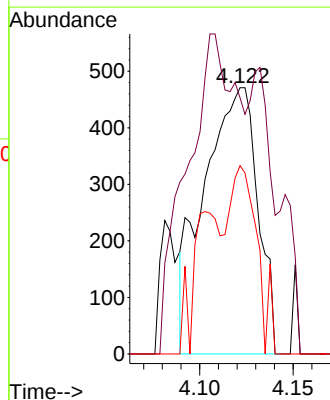
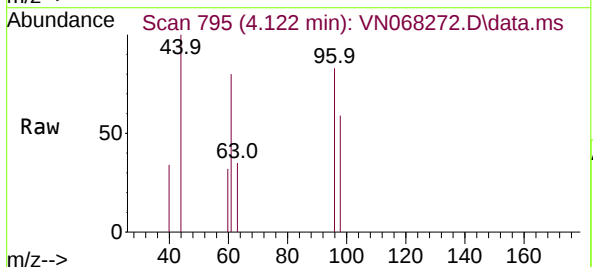
Instrument :
MSVOA_N
ClientSampled :

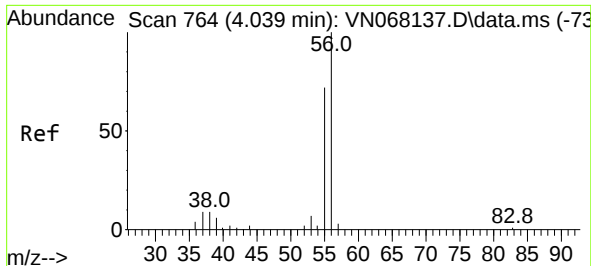
Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 0.237 ug/l
RT: 4.122 min Scan# 795
Delta R.T. -0.048 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 96 Resp: 944
Ion Ratio Lower Upper
96 100
61 42.5 152.6 229.0#
98 70.7 50.9 76.3

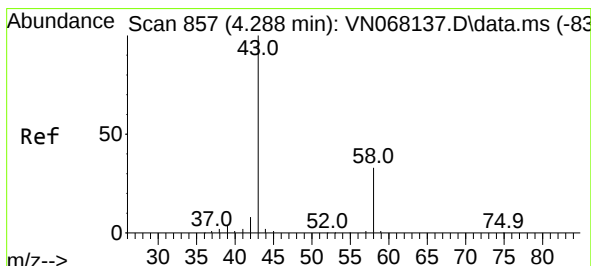
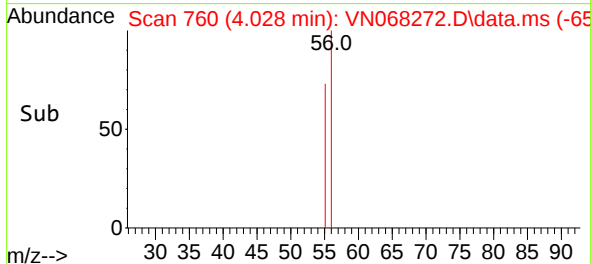
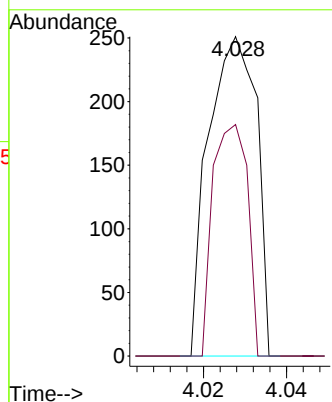
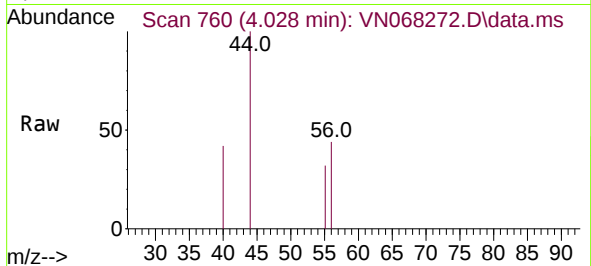




#13
Acrolein
Concen: Below Cal
RT: 4.028 min Scan# 760
Delta R.T. -0.011 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

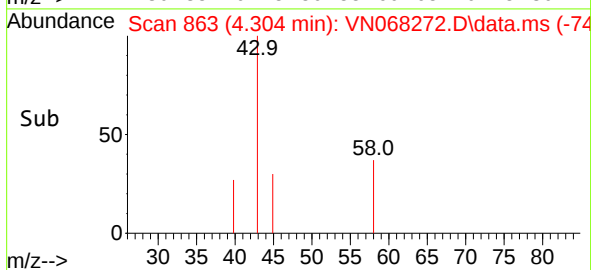
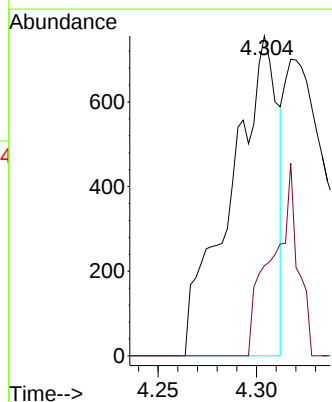
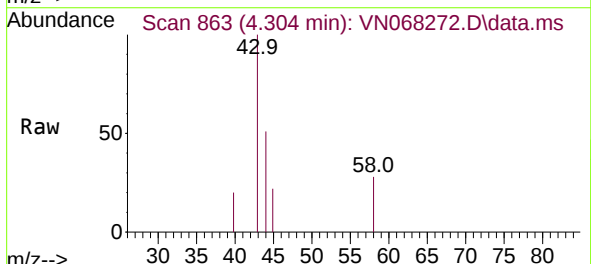
Instrument :
MSVOA_N
ClientSampled :

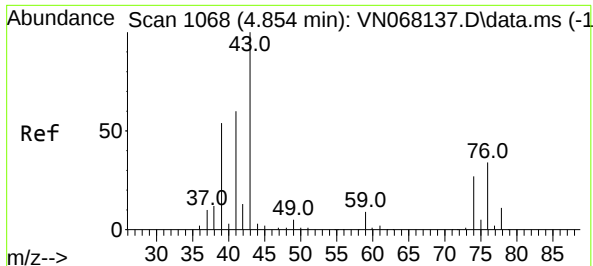
Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 52.5 57.4 86.0#



#16
Acetone
Concen: 0.820 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8





#18

Methyl Acetate

Concen: 5.004 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN068272.D

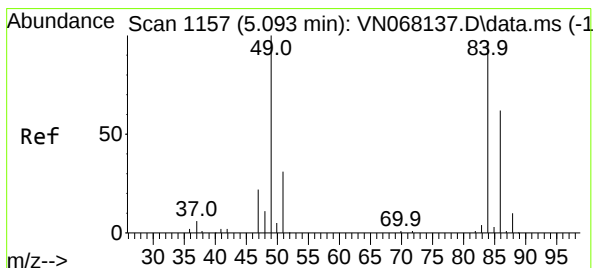
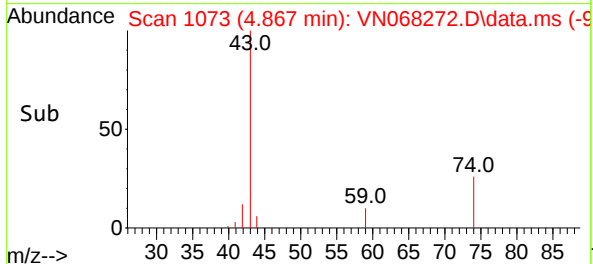
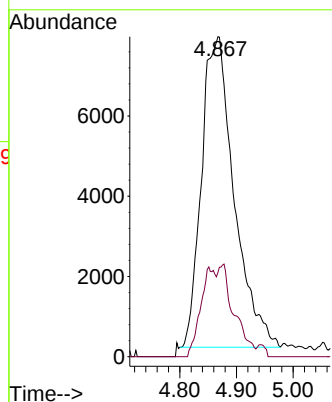
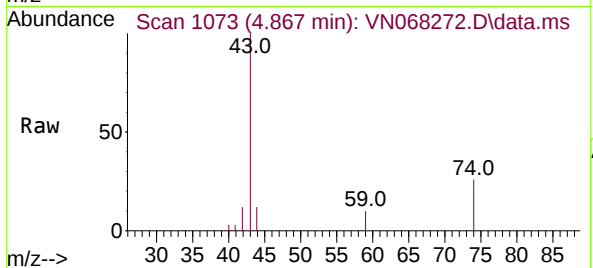
Acq: 23 Aug 2021 16:33

Tgt Ion: 43 Resp: 30916

Ion Ratio Lower Upper

43 100

74 13.4 17.4 26.0#



#20

Methylene Chloride

Concen: 4.728 ug/l

RT: 5.058 min Scan# 1144

Delta R.T. -0.035 min

Lab File: VN068272.D

Acq: 23 Aug 2021 16:33

Tgt Ion: 84 Resp: 28167

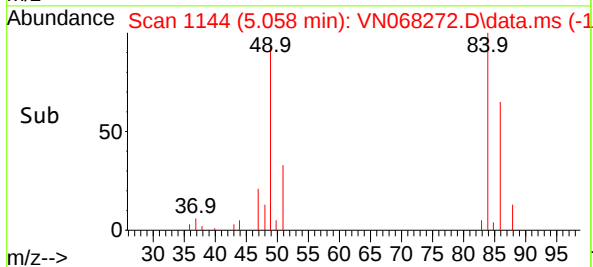
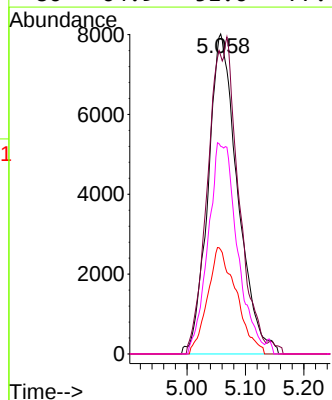
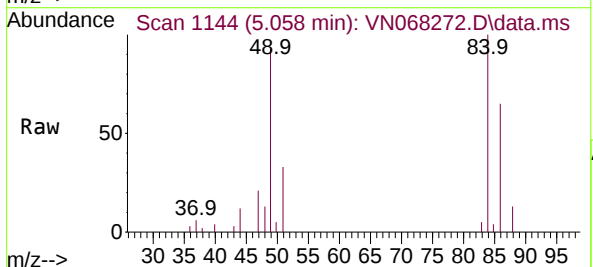
Ion Ratio Lower Upper

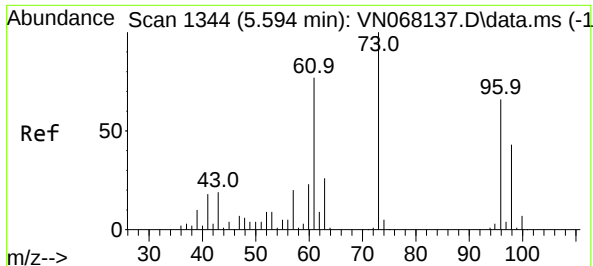
84 100

49 93.3 110.9 166.3#

51 32.6 32.6 49.0#

86 64.9 51.6 77.4

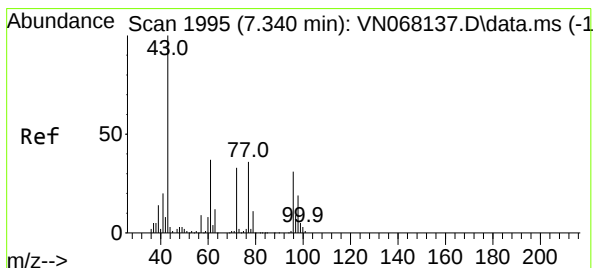
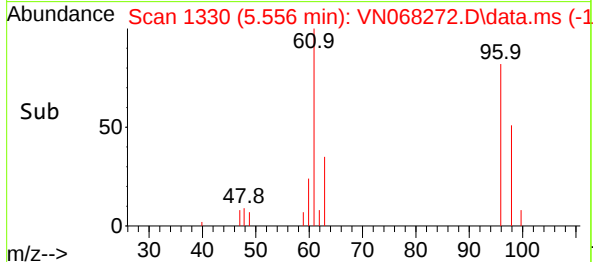
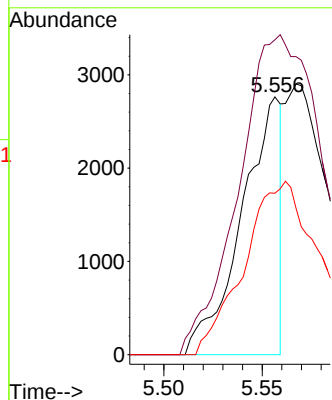
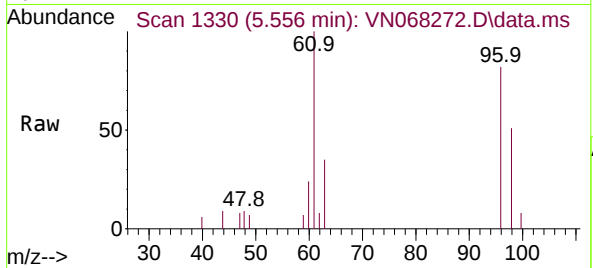




#21
trans-1,2-Dichloroethene
Concen: 0.860 ug/l
RT: 5.556 min Scan# 1330
Delta R.T. -0.038 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

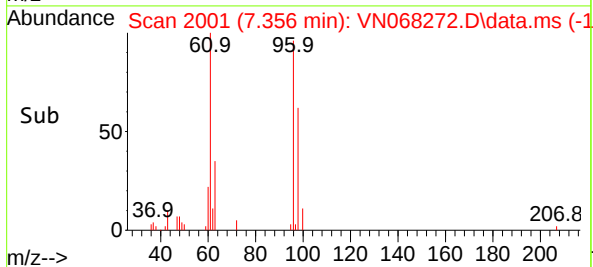
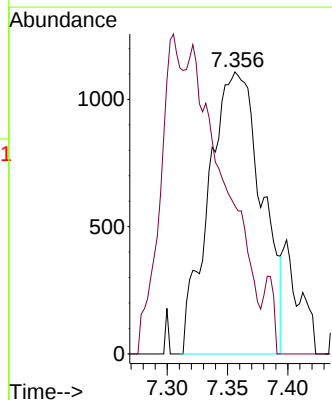
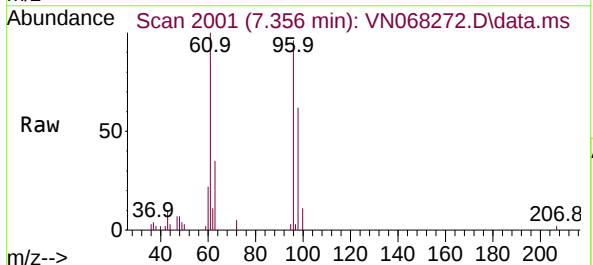
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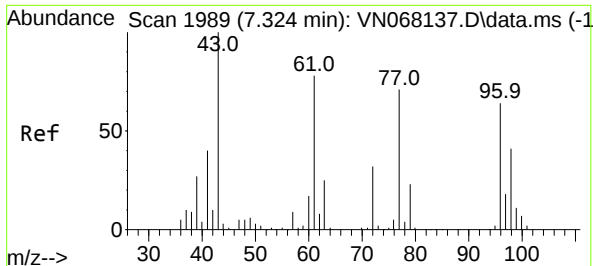
Tgt Ion: 96 Resp: 3833
Ion Ratio Lower Upper
96 100
61 122.1 123.5 185.3#
98 62.6 48.6 72.8



#25
2-Butanone
Concen: 1.415 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 43 Resp: 3375
Ion Ratio Lower Upper
43 100
72 52.5 19.7 29.5#



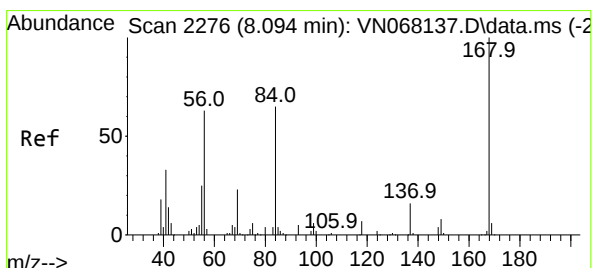
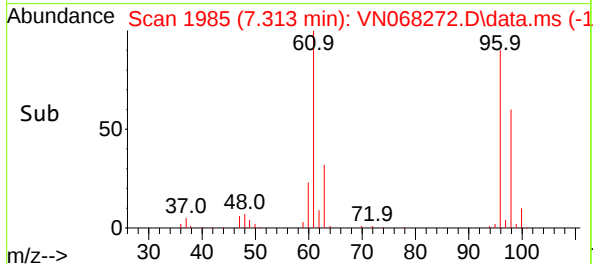
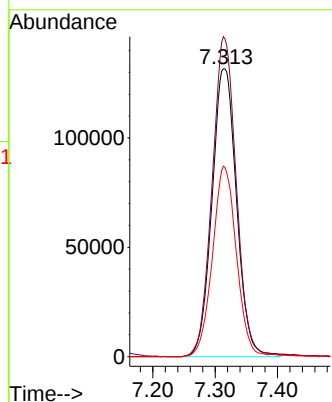
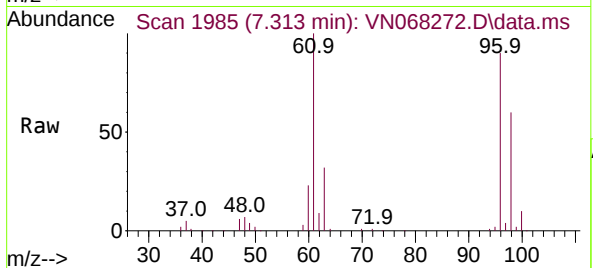


#27

cis-1,2-Dichloroethene
Concen: 67.648 ug/l
RT: 7.313 min Scan# 1985
Delta R.T. -0.011 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Instrument :
MSVOA_N
ClientSampled :

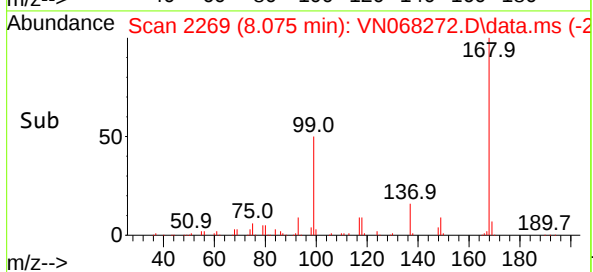
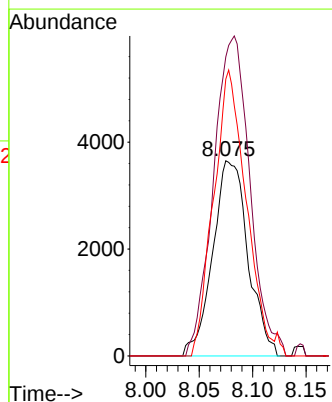
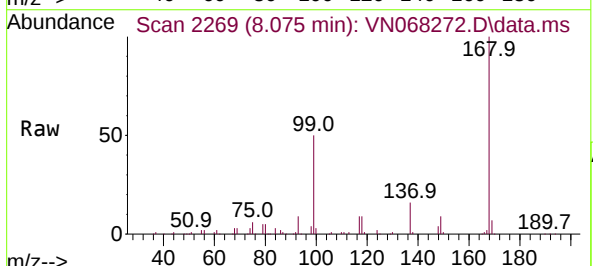
Tgt Ion: 96 Resp: 360850
Ion Ratio Lower Upper
96 100
61 108.7 0.0 338.8
98 64.2 0.0 129.8

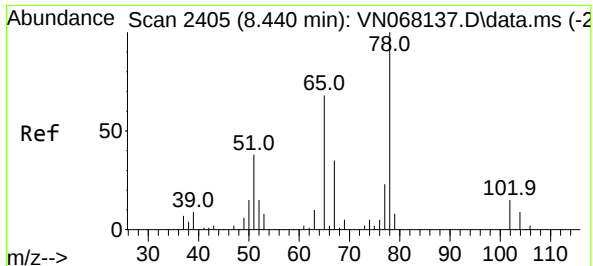


#31

Cyclohexane
Concen: 1.215 ug/l
RT: 8.075 min Scan# 2269
Delta R.T. -0.019 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 56 Resp: 8390
Ion Ratio Lower Upper
56 100
69 153.2 27.3 40.9#
84 141.7 64.9 97.3#

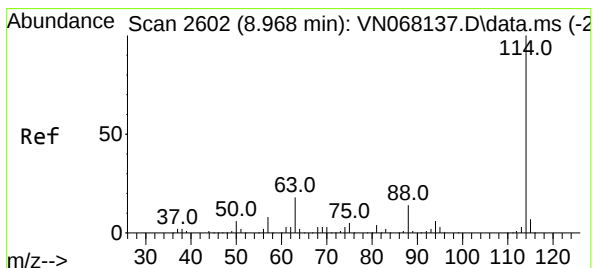
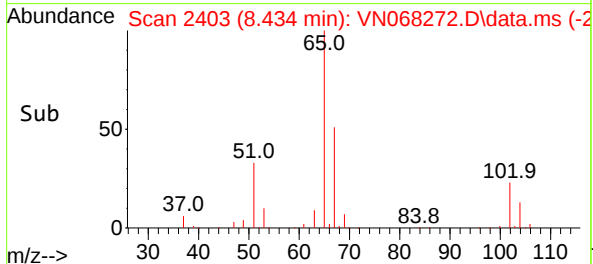
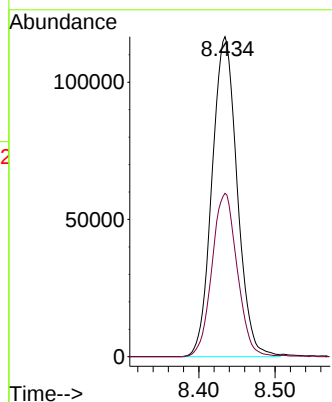
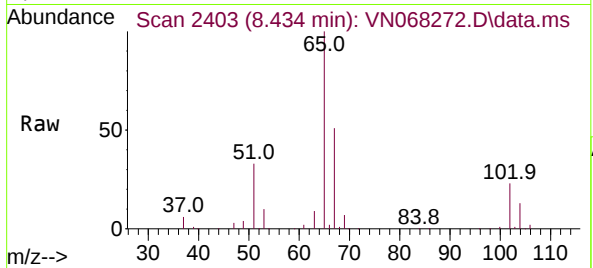




#33
 1,2-Dichloroethane-d4
 Concen: 51.001 ug/l
 RT: 8.434 min Scan# 2403
 Delta R.T. -0.006 min
 Lab File: VN068272.D
 Acq: 23 Aug 2021 16:33

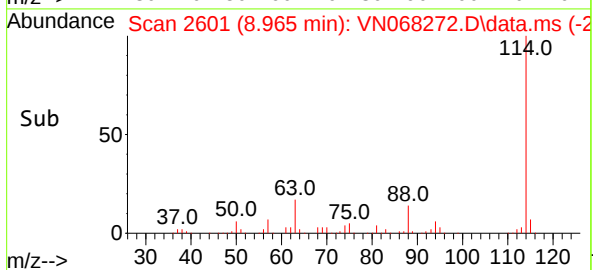
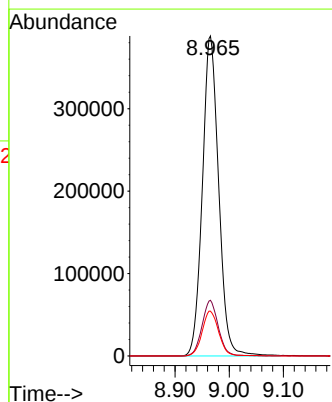
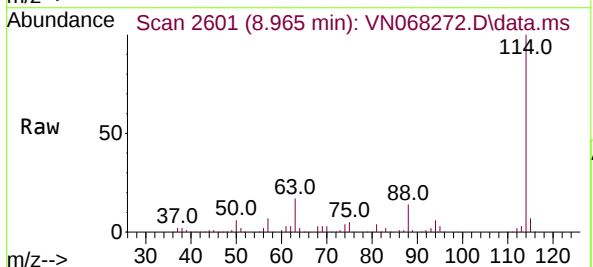
Instrument :
 MSVOA_N
 ClientSampled :

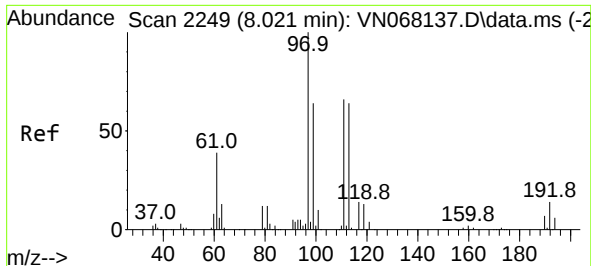
Tgt Ion: 65 Resp: 267290
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN068272.D
 Acq: 23 Aug 2021 16:33

Tgt Ion: 114 Resp: 810983
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 49.0
 88 14.0 0.0 36.6

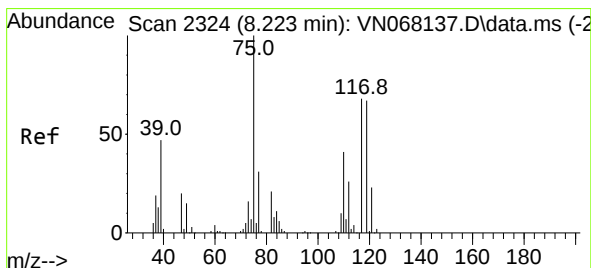
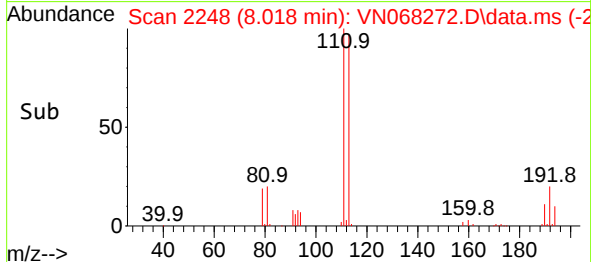
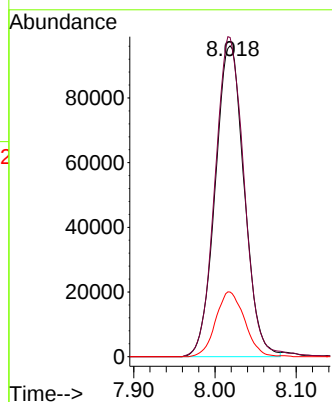
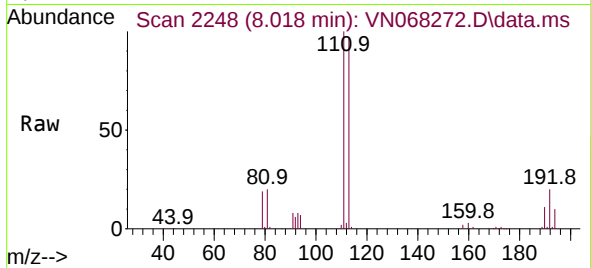




#35
Dibromofluoromethane
Concen: 46.786 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.003 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

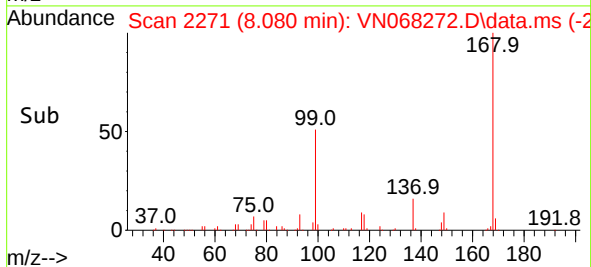
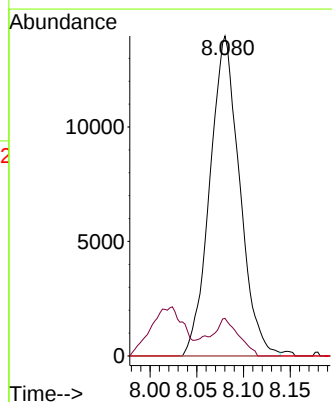
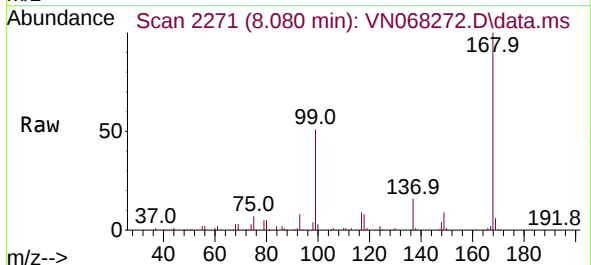
Instrument :
MSVOA_N
ClientSampled :

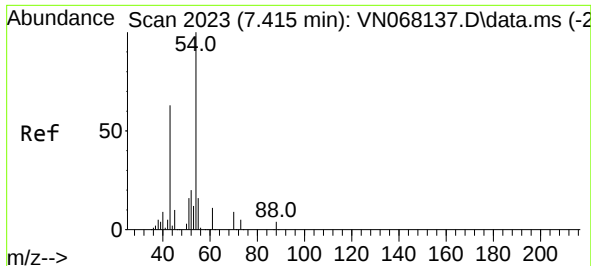
Tgt Ion:113 Resp: 238215
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 20.8 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.143 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 75 Resp: 31064
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#

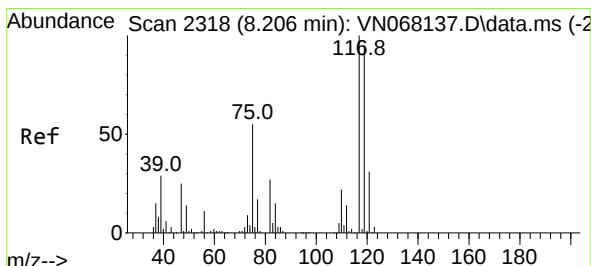
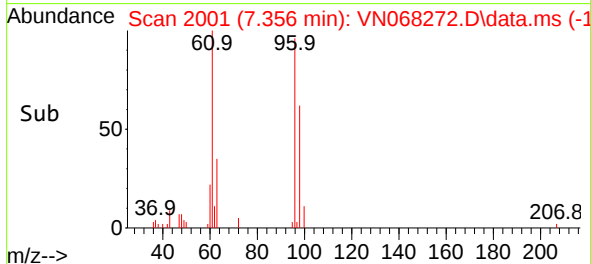
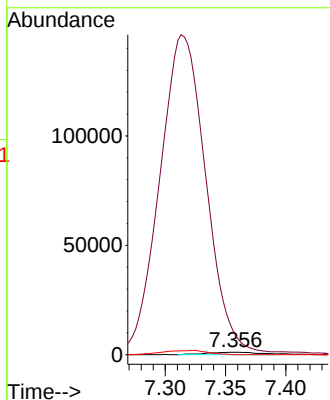
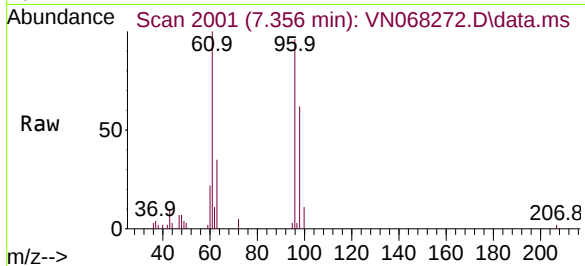




#37
Ethyl Acetate
Concen: 0.598 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. -0.059 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

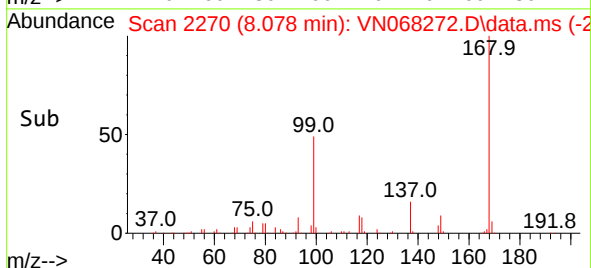
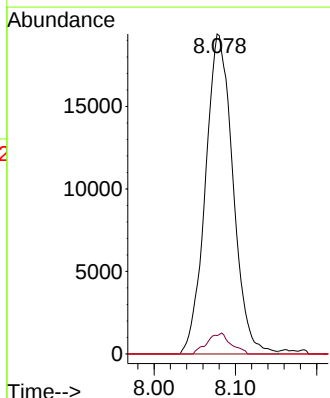
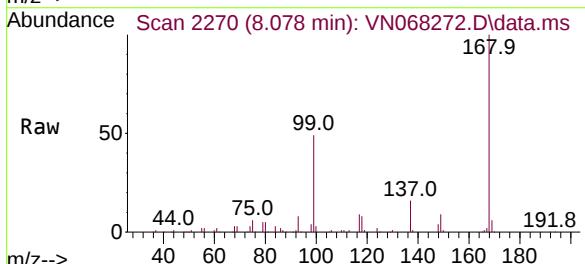
Instrument :
MSVOA_N
ClientSampled :

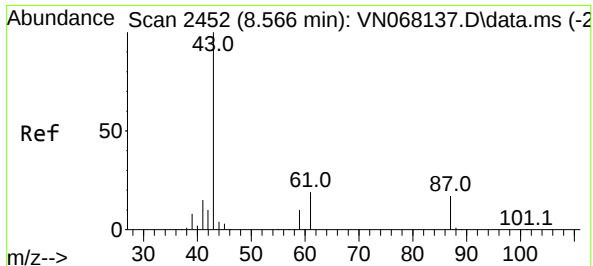
Tgt Ion: 43 Resp: 3375
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.971 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.128 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 117 Resp: 45659
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#

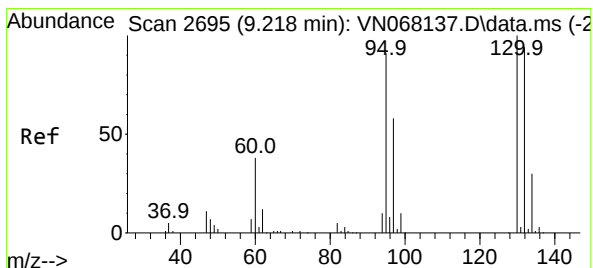
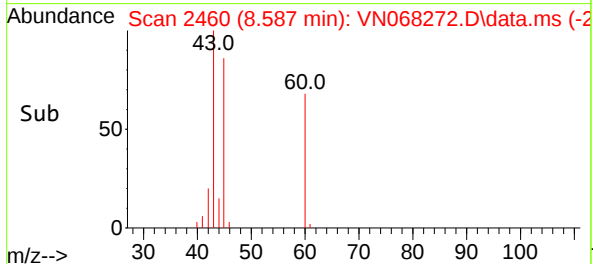
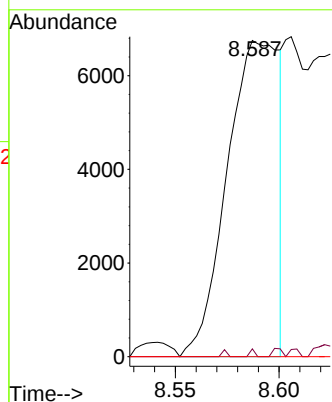
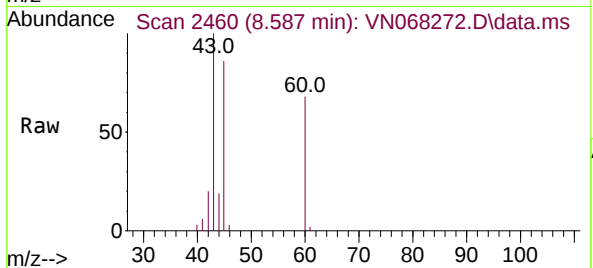




#43
Isopropyl Acetate
Concen: 1.292 ug/l
RT: 8.587 min Scan# 2460
Delta R.T. 0.021 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

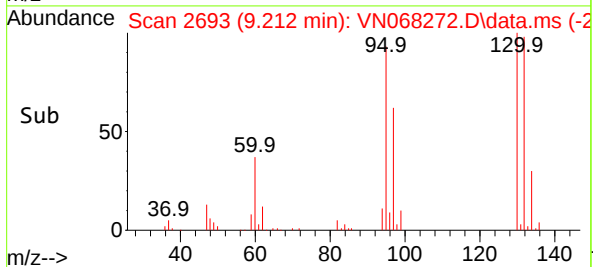
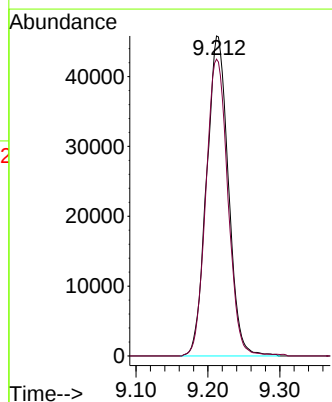
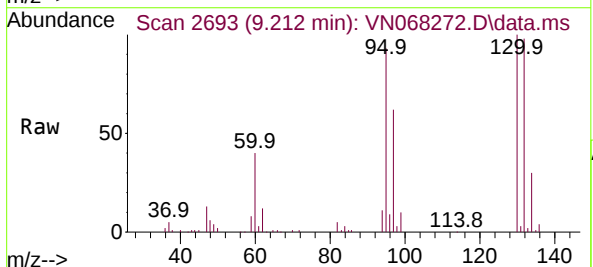
Instrument :
MSVOA_N
ClientSampleId :

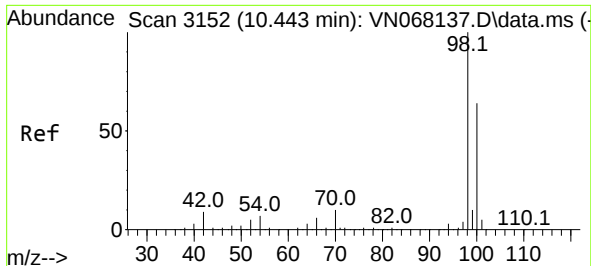
Tgt Ion: 43 Resp: 11684
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#44
Trichloroethene
Concen: 15.829 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.006 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion:130 Resp: 96316
Ion Ratio Lower Upper
130 100
95 92.8 0.0 234.4

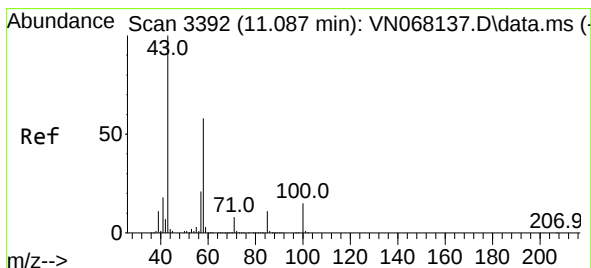
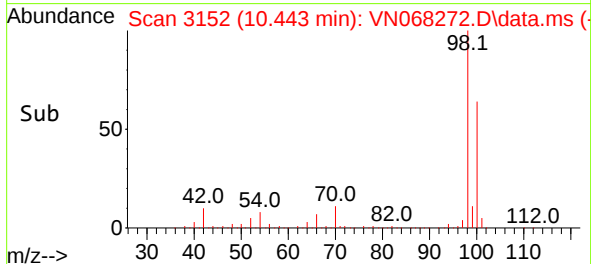
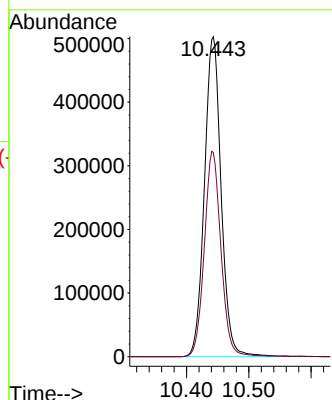
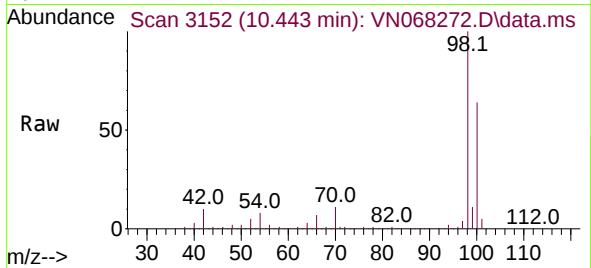




#50
Toluene-d8
Concen: 48.256 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

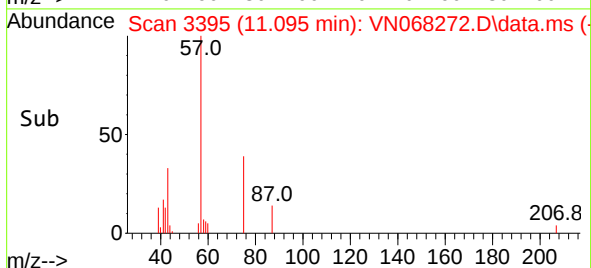
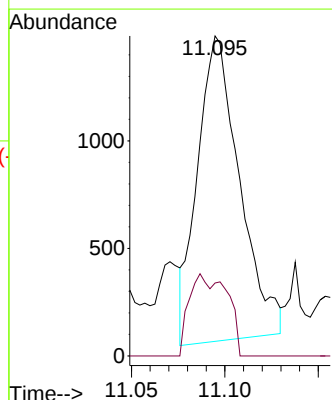
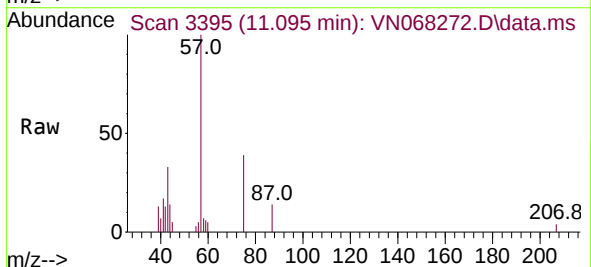
Instrument :
MSVOA_N
ClientSampled :

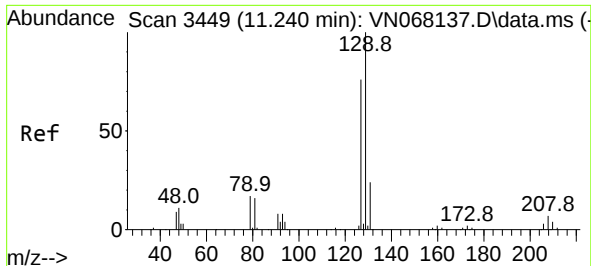
Tgt Ion: 98 Resp: 936201
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#59
2-Hexanone
Concen: 0.576 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 43 Resp: 2223
Ion Ratio Lower Upper
43 100
58 13.4 24.7 74.1#

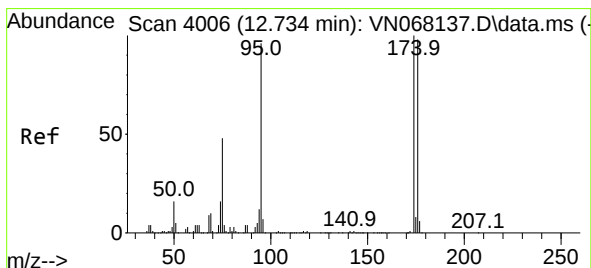
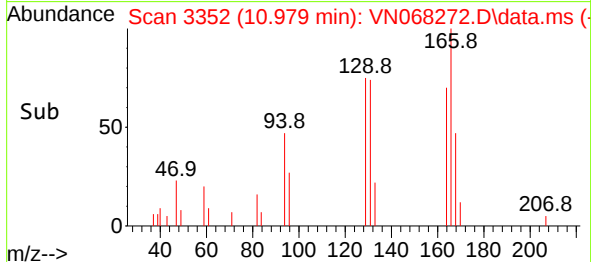
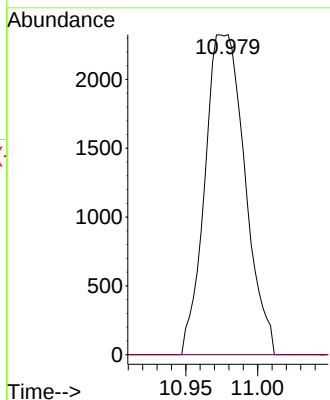
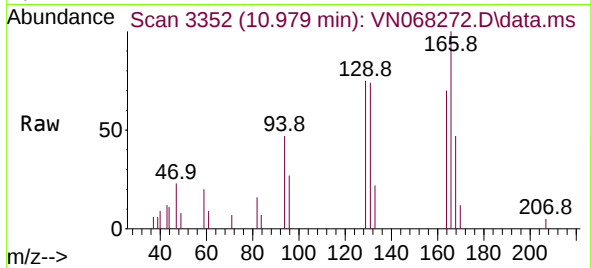




#60
Dibromochloromethane
Concen: 0.724 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

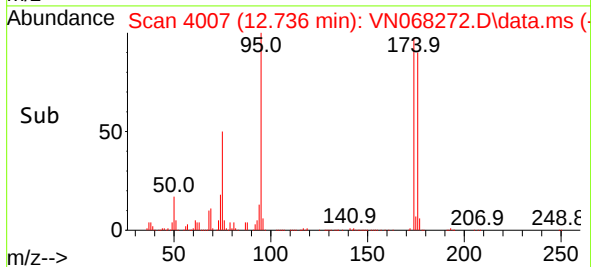
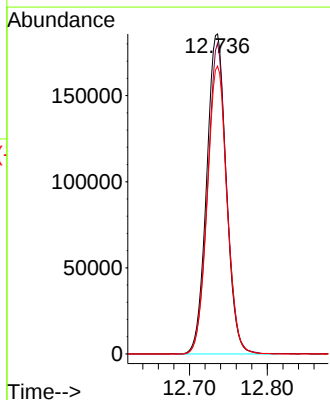
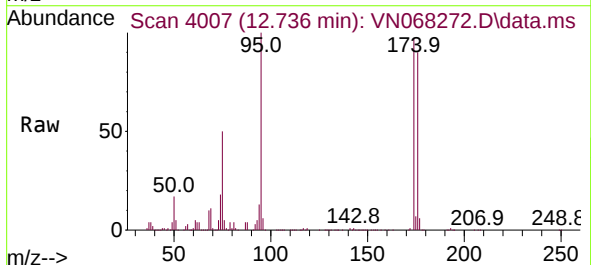
Instrument :
MSVOA_N
ClientSampled :

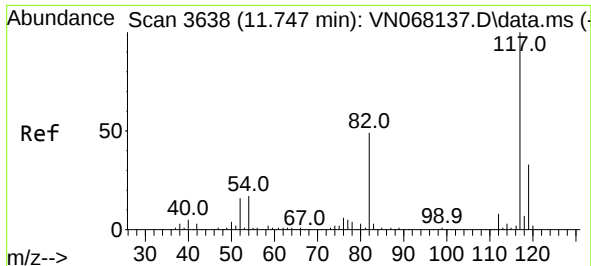
Tgt Ion:129 Resp: 4503
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 50.269 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 95 Resp: 324659
Ion Ratio Lower Upper
95 100
174 94.4 0.0 122.0
176 90.3 0.0 117.6

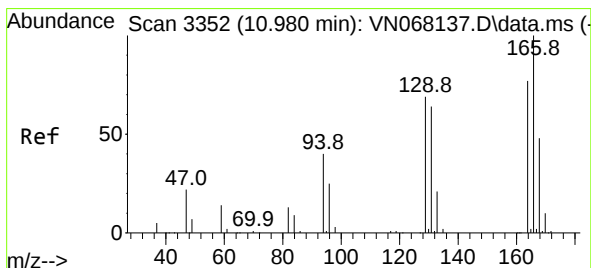
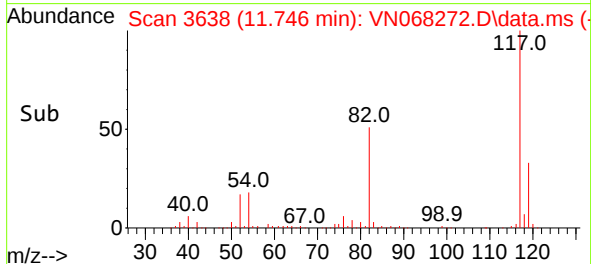
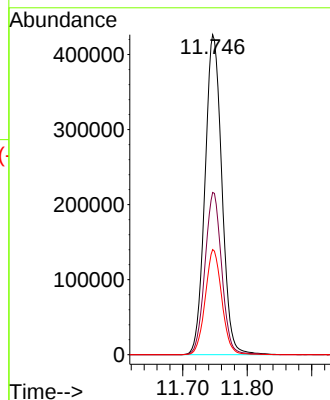
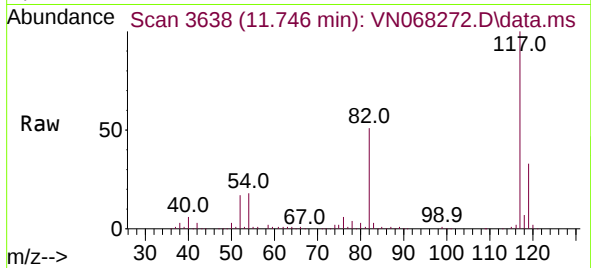




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

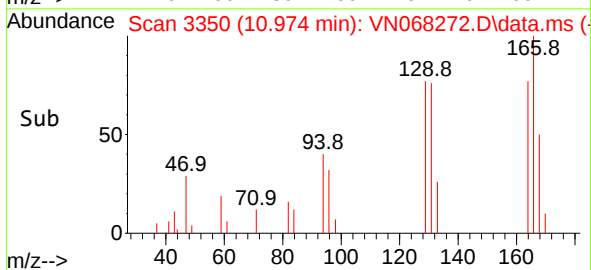
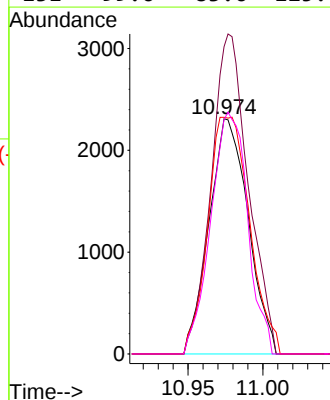
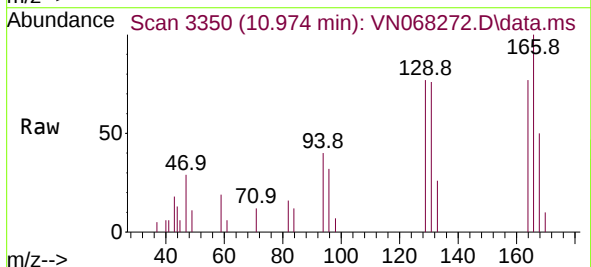
Instrument :
MSVOA_N
ClientSampled :

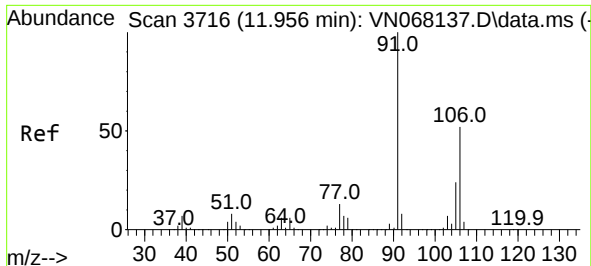
Tgt Ion:117 Resp: 775042
Ion Ratio Lower Upper
117 100
82 50.7 53.1 79.7#
119 32.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.701 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.006 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion:164 Resp: 4204
Ion Ratio Lower Upper
164 100
166 130.6 102.1 153.1
129 100.6 86.9 130.3
131 99.6 83.6 125.4

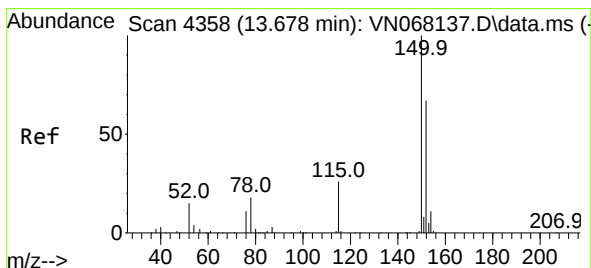
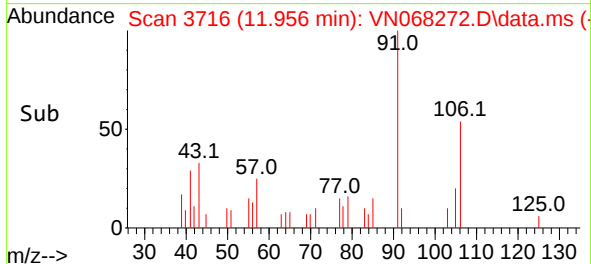
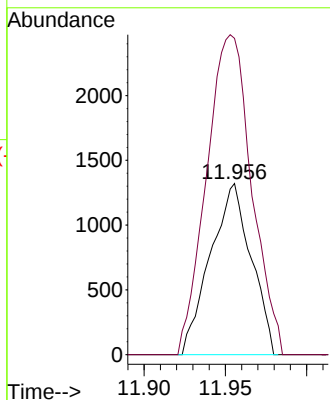
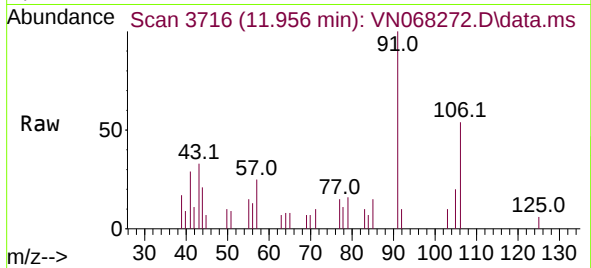




#68
m/p-Xylenes
Concen: 0.221 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

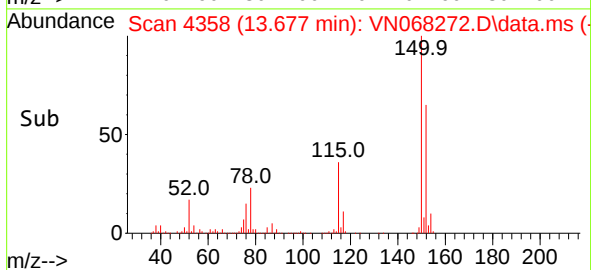
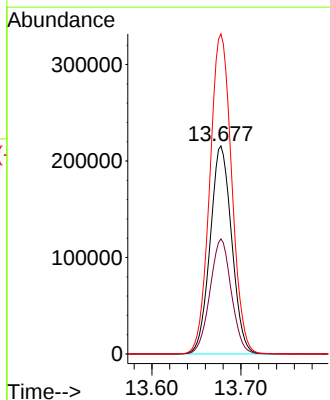
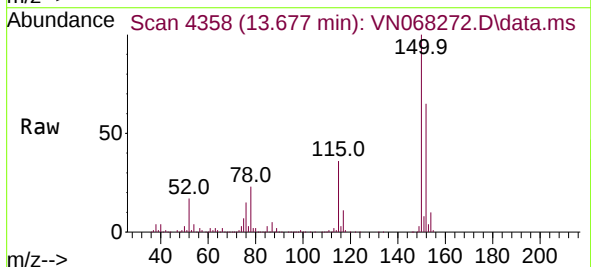
Instrument :
MSVOA_N
ClientSampleId :

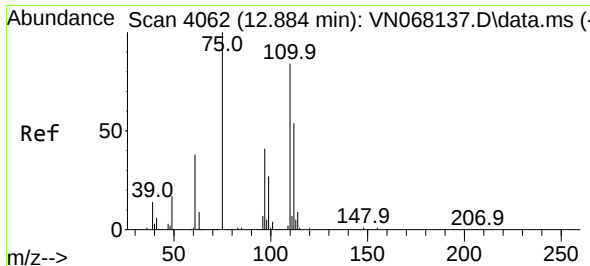
Tgt Ion:106 Resp: 2309
Ion Ratio Lower Upper
106 100
91 206.3 180.6 270.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion:152 Resp: 362732
Ion Ratio Lower Upper
152 100
115 54.9 36.1 108.5
150 156.5 0.0 351.8

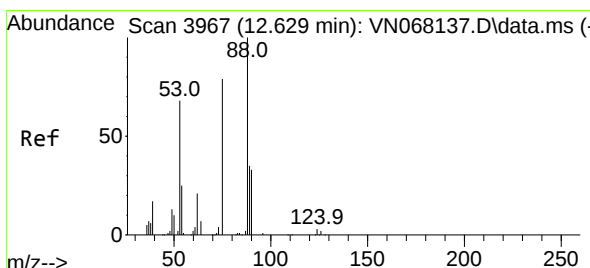
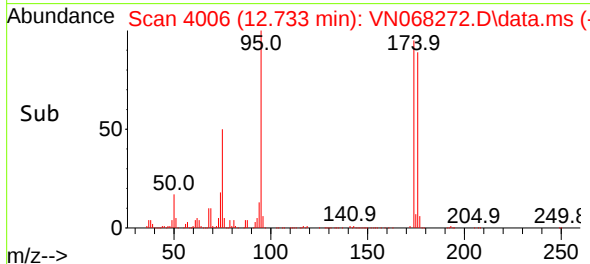
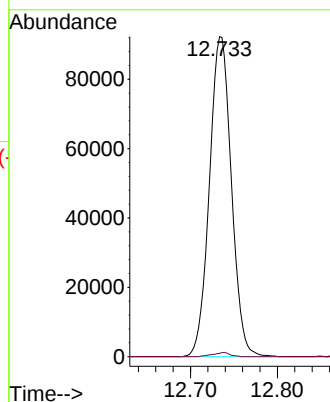
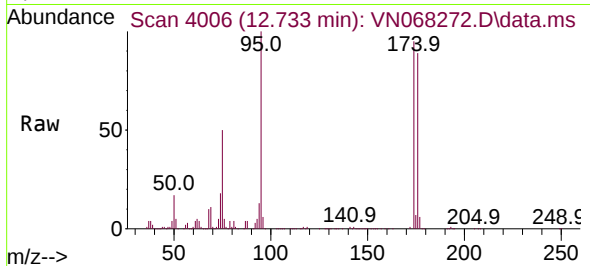




#76
1,2,3-Trichloropropane
Concen: 26.874 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

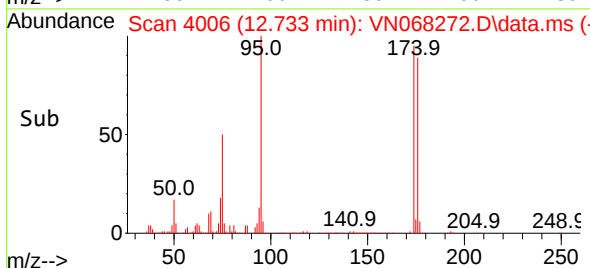
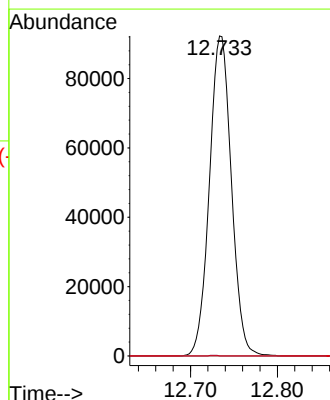
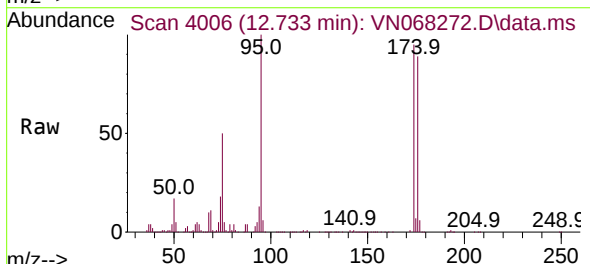
Instrument :
MSVOA_N
ClientSampleId :

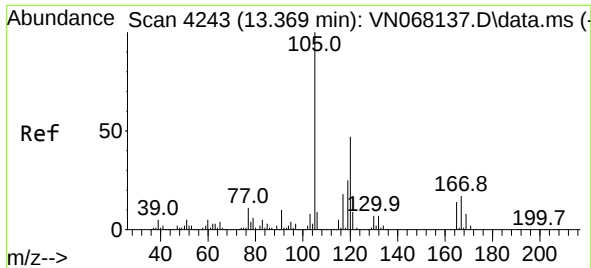
Tgt Ion: 75 Resp: 162023
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.044 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion: 75 Resp: 162023
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

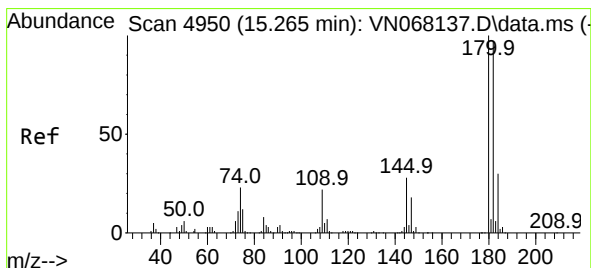
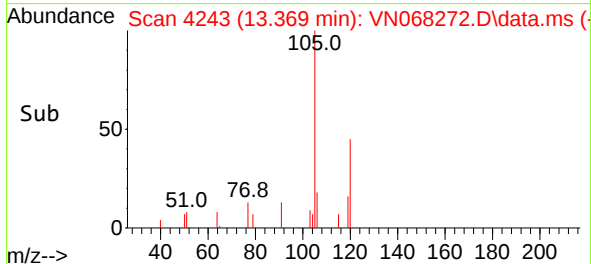
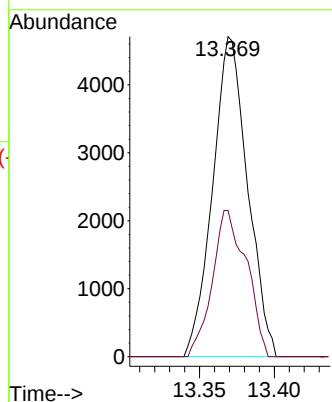
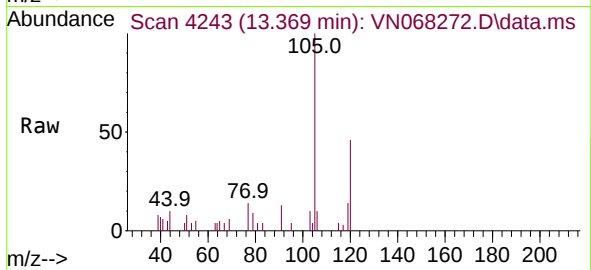




#84
1,2,4-Trimethylbenzene
Concen: 0.375 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

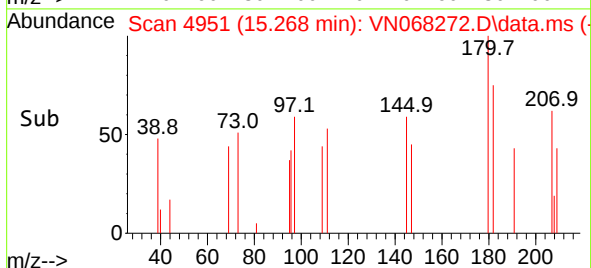
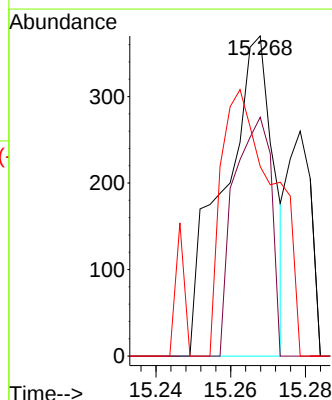
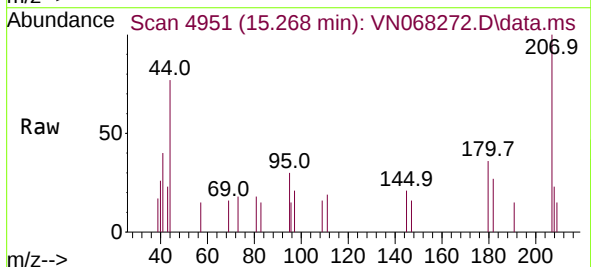
Instrument :
MSVOA_N
ClientSampled :

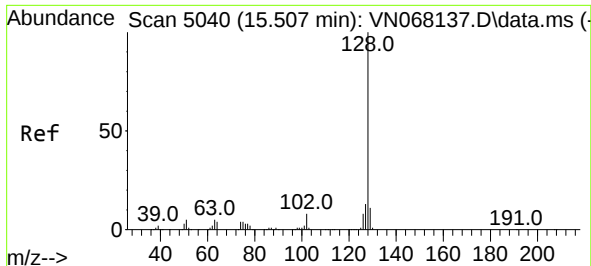
Tgt Ion:105 Resp: 7645
Ion Ratio Lower Upper
105 100
120 44.7 20.6 61.8



#93
1,2,4-Trichlorobenzene
Concen: 2.739 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion:180 Resp: 343
Ion Ratio Lower Upper
180 100
182 55.4 47.5 142.5
145 88.3 17.2 51.6#

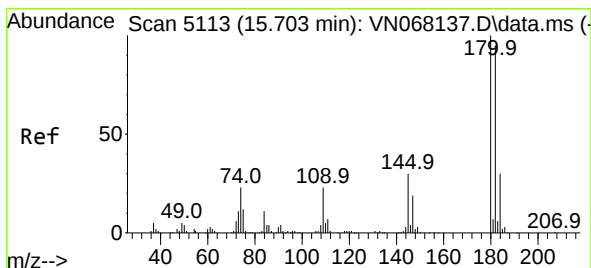
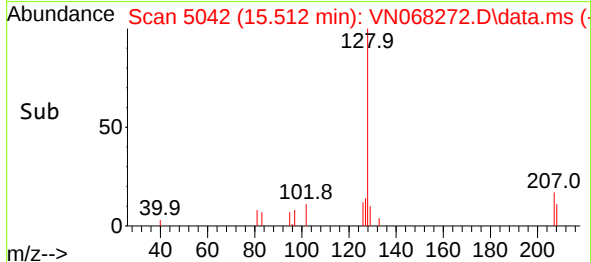
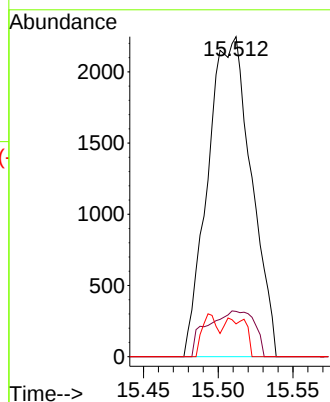
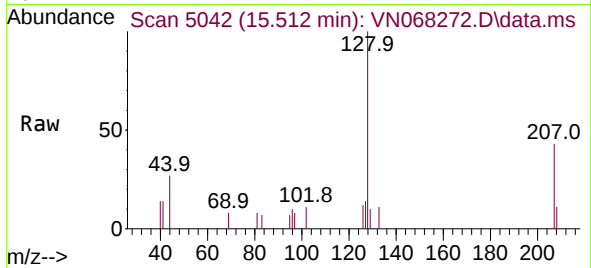




#95
Naphthalene
Concen: 3.641 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 4528
Ion Ratio Lower Upper
128 100
127 15.5 10.6 15.8
129 1.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.928 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068272.D
Acq: 23 Aug 2021 16:33

Tgt Ion:180 Resp: 586
Ion Ratio Lower Upper
180 100
182 27.5 47.8 143.3#
145 16.9 18.2 54.6#

