

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069271.D
 Acq On : 29 Oct 2021 1:19
 Operator : JC/MD
 Sample : M4338-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:56:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

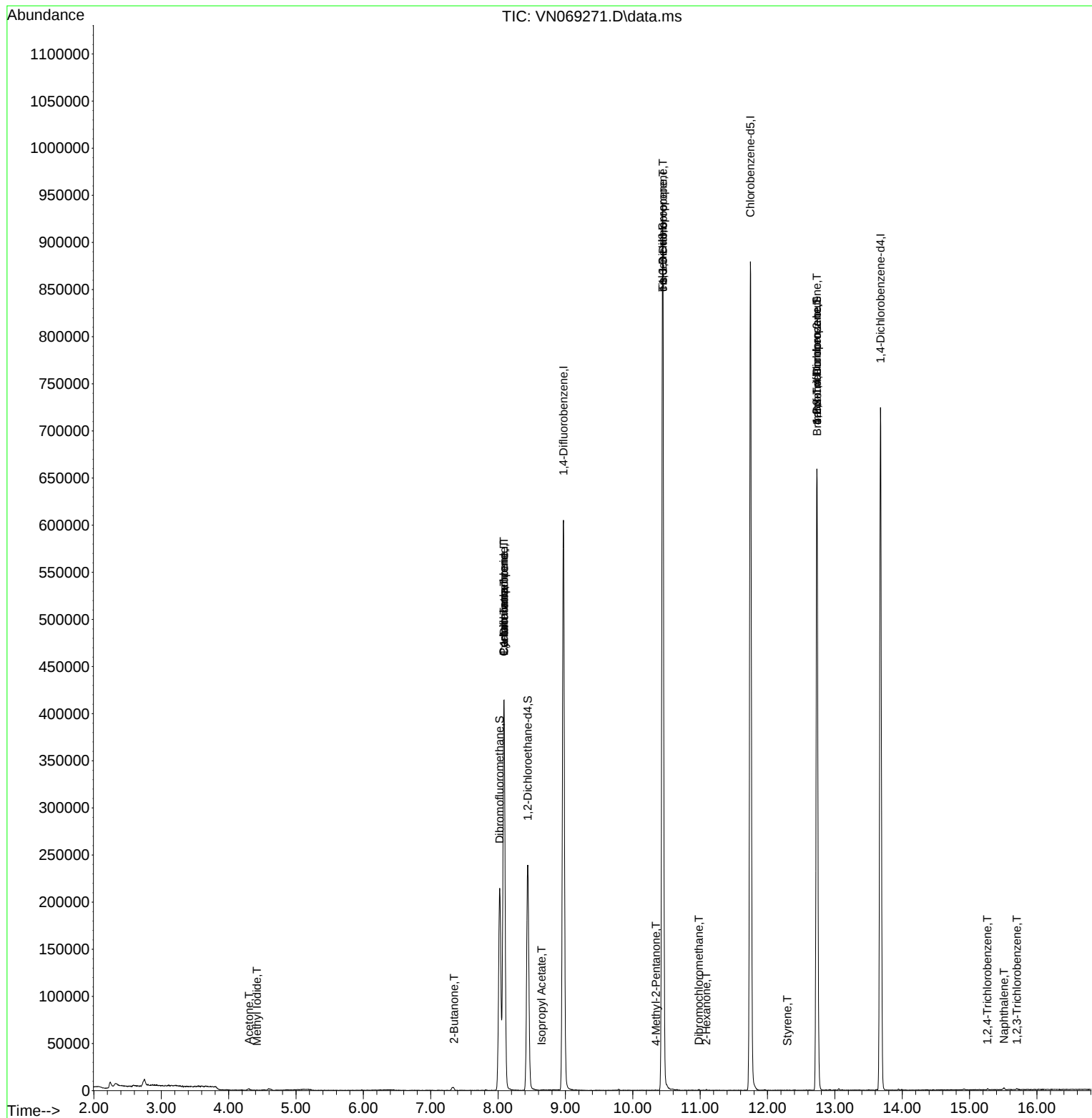
Internal Standards						
1) Pentafluorobenzene	8.088	168	307067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	540674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	525311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	194334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	205496	46.360	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.720%		
35) Dibromofluoromethane	8.024	113	157137	46.623	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.240%		
50) Toluene-d8	10.443	98	673688	49.993	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.980%		
62) 4-Bromofluorobenzene	12.733	95	241137	47.420	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.840%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1110	Below Cal		89
10) Methyl Iodide	4.419	142	28	2.465 ug/l #		41
16) Acetone	4.304	43	1765	0.935 ug/l #		87
25) 2-Butanone	7.345	43	110	1.672 ug/l #		48
31) Cyclohexane	8.086	56	7301	1.231 ug/l #		16
36) 1,1-Dichloropropene	8.088	75	25876	5.551 ug/l #		49
38) Carbon Tetrachloride	8.088	117	32399	6.997 ug/l #		15
43) Isopropyl Acetate	8.646	43	54	0.465 ug/l #		55
51) 4-Methyl-2-Pentanone	10.344	43	258	6.444 ug/l #		36
53) t-1,3-Dichloropropene	10.446	75	83	1.952 ug/l #		36
54) cis-1,3-Dichloropropene	10.446	75	83	1.540 ug/l #		57
59) 2-Hexanone	11.092	43	753	8.158 ug/l		67
60) Dibromochloromethane	10.982	129	139	2.007 ug/l #		10
70) Styrene	12.296	104	101	1.464 ug/l #		24
71) Bromoform	12.736	173	1184	3.216 ug/l #		1
76) 1,2,3-Trichloropropane	12.733	75	129788	25.393 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.733	75	129788	72.664 ug/l #		12
93) 1,2,4-Trichlorobenzene	15.263	180	229	2.556 ug/l #		55
95) Naphthalene	15.509	128	2658	3.563 ug/l #		82
96) 1,2,3-Trichlorobenzene	15.702	180	362	2.319 ug/l #		36

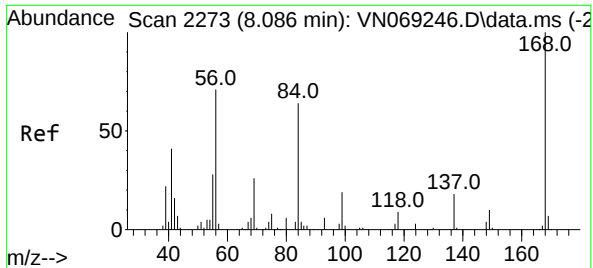
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

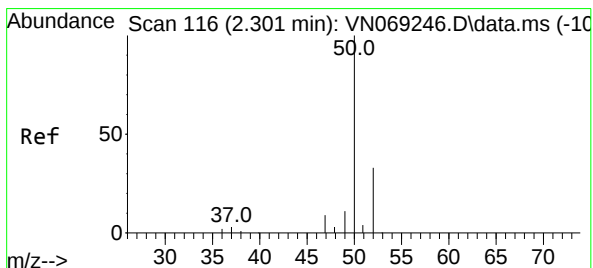
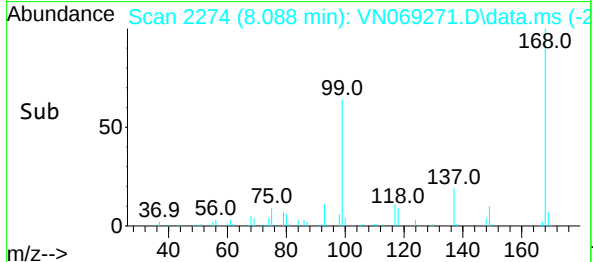
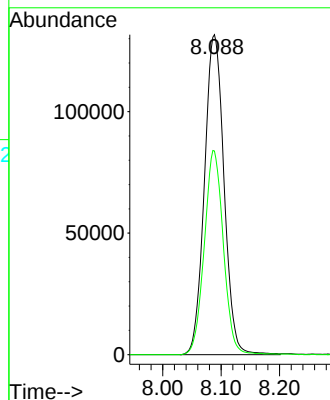
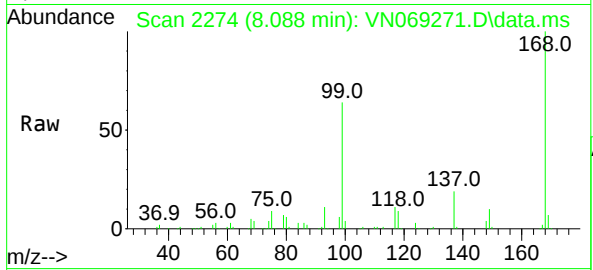




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

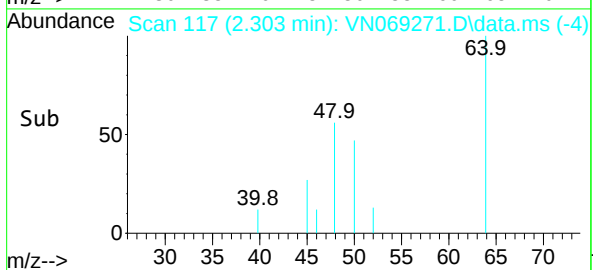
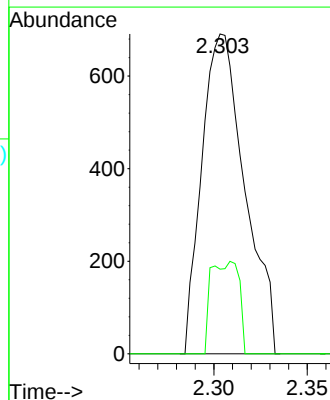
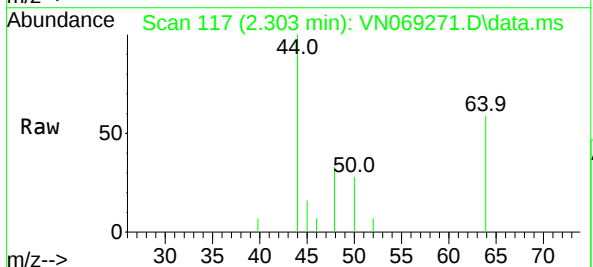
Instrument :
MSVOA_D
ClientSampled :

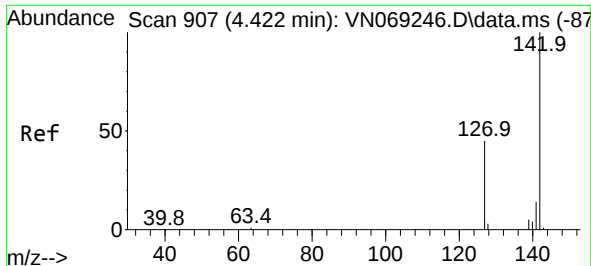
Tgt Ion:168 Resp: 307067
Ion Ratio Lower Upper
168 100
99 63.7 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

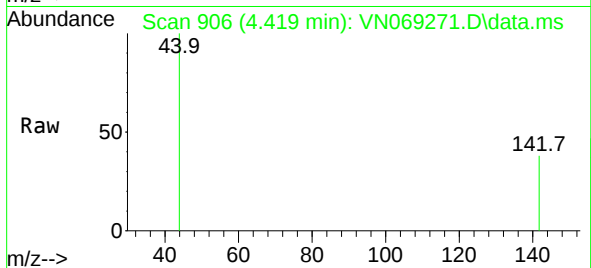
Tgt Ion: 50 Resp: 1110
Ion Ratio Lower Upper
50 100
52 26.5 26.3 39.5



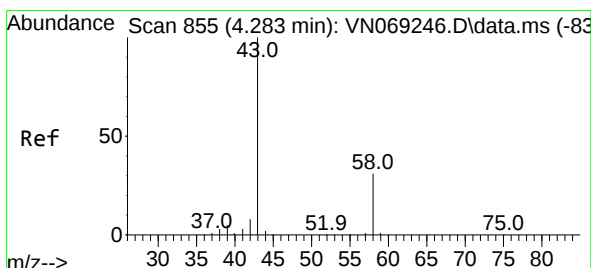
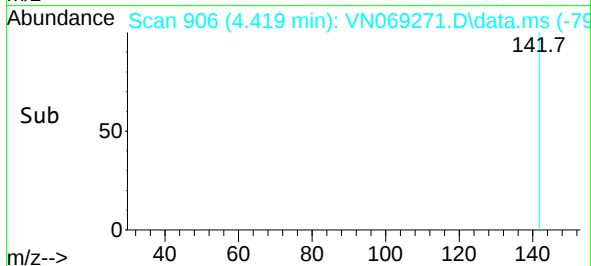
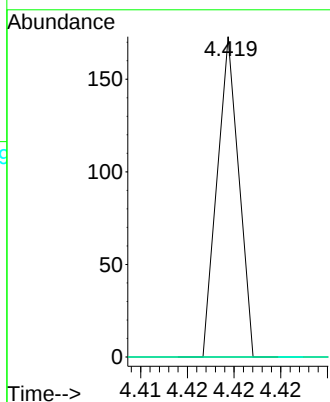


#10
Methyl Iodide
Concen: 2.465 ug/l
RT: 4.419 min Scan# 906
Delta R.T. -0.003 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Instrument :
MSVOA_D
ClientSampled :

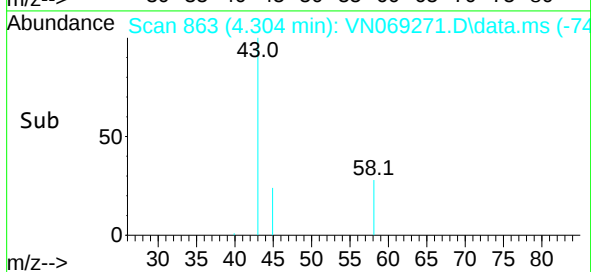
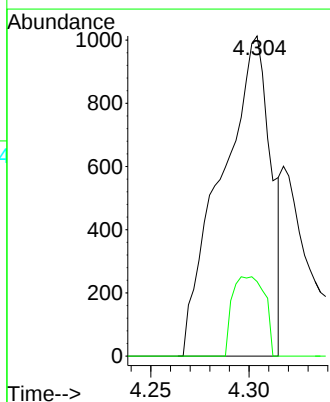
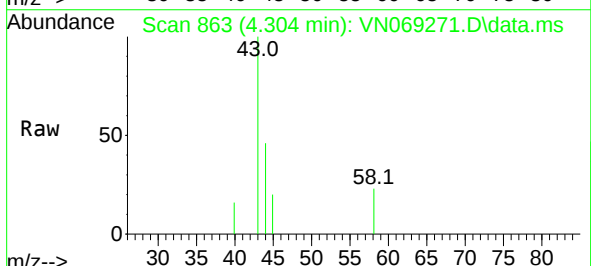


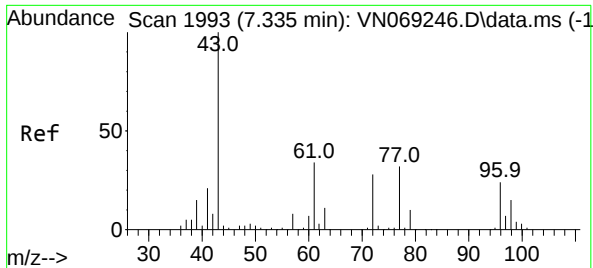
Tgt Ion:142 Resp: 28
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.3 16.9#



#16
Acetone
Concen: 0.935 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.021 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
58 23.3 24.5 36.7#

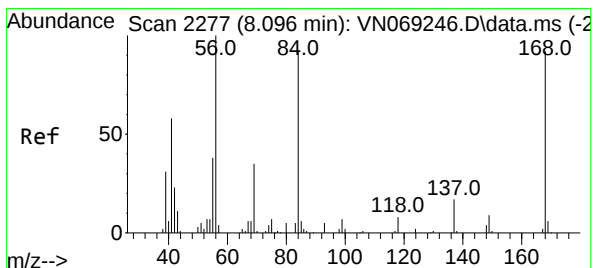
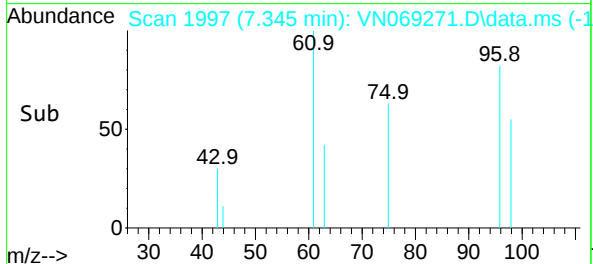
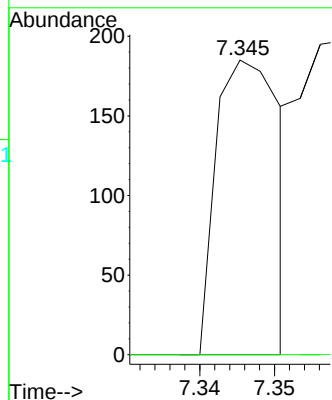
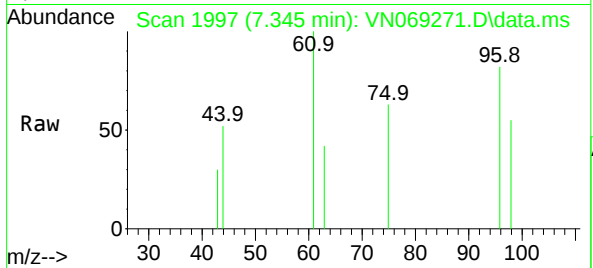




#25
2-Butanone
Concen: 1.672 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

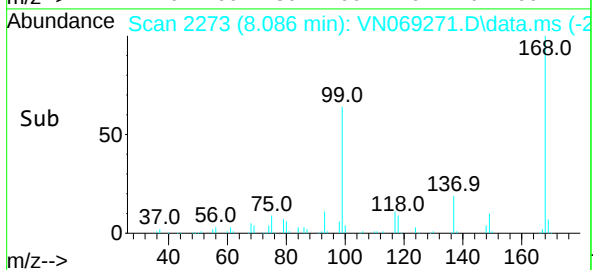
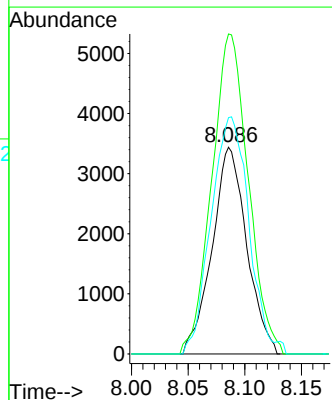
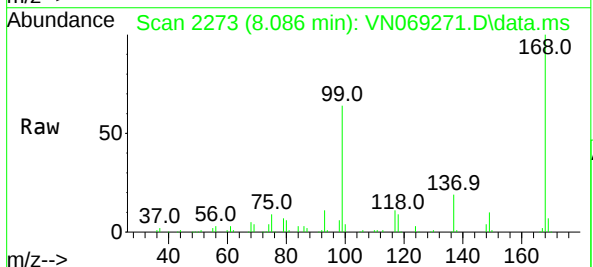
Instrument :
MSVOA_D
ClientSampled :

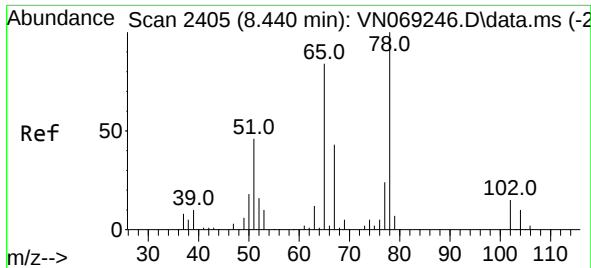
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion: 56 Resp: 7301
Ion Ratio Lower Upper
56 100
69 154.9 26.9 40.3#
84 114.4 67.6 101.4#

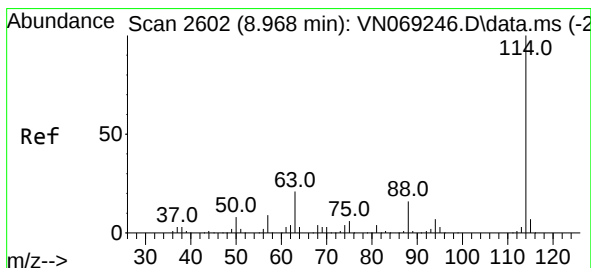
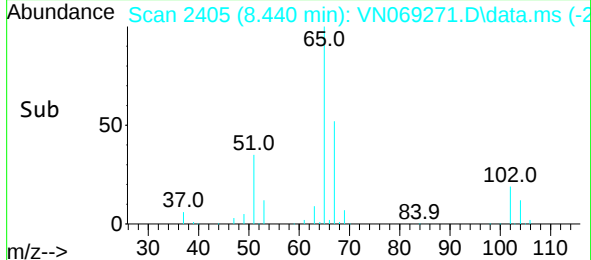
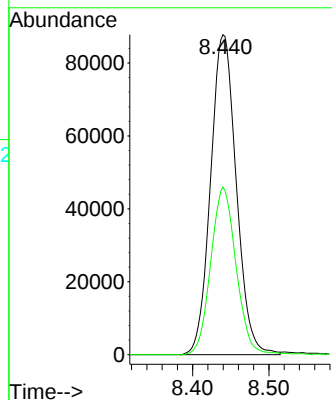
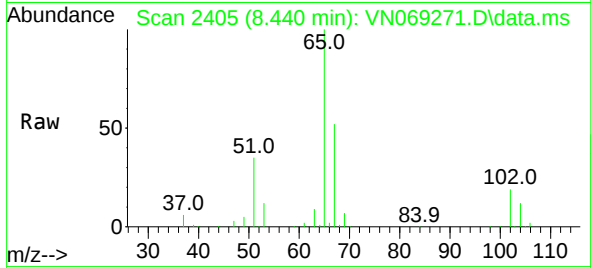




#33
 1,2-Dichloroethane-d4
 Concen: 46.360 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069271.D
 Acq: 29 Oct 2021 1:19

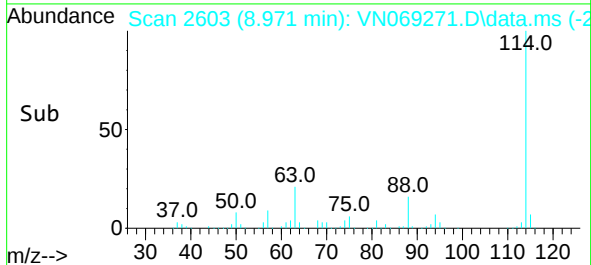
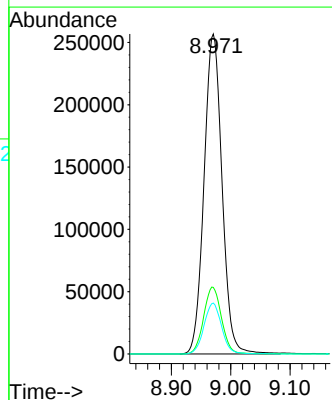
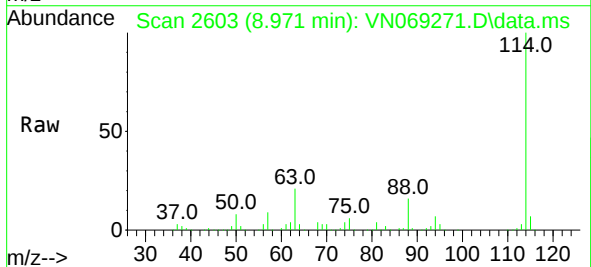
Instrument :
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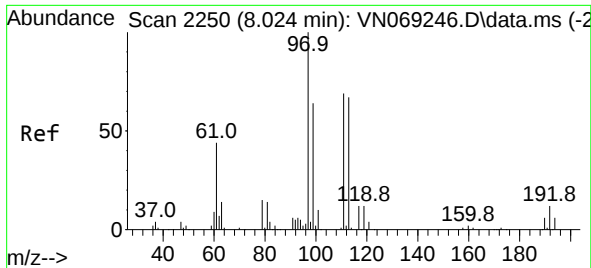
Tgt Ion: 65 Resp: 205496
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069271.D
 Acq: 29 Oct 2021 1:19

Tgt Ion: 114 Resp: 540674
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 15.9 0.0 32.0

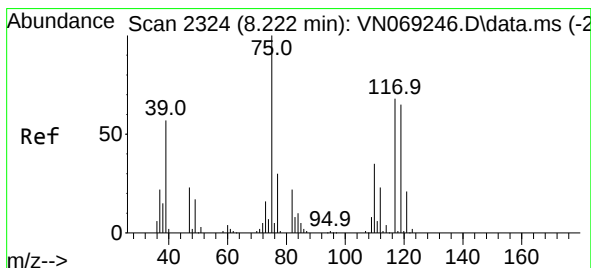
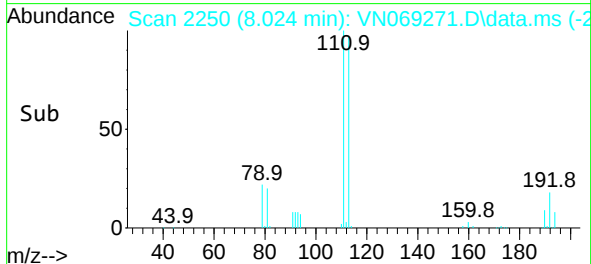
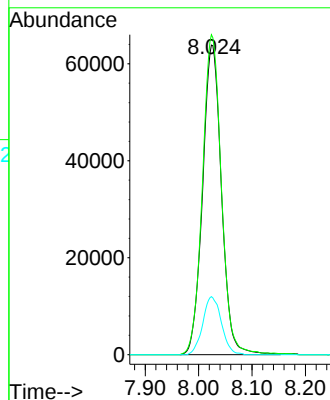
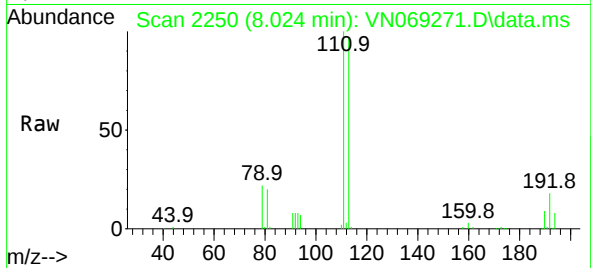




#35
Dibromofluoromethane
Concen: 46.623 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

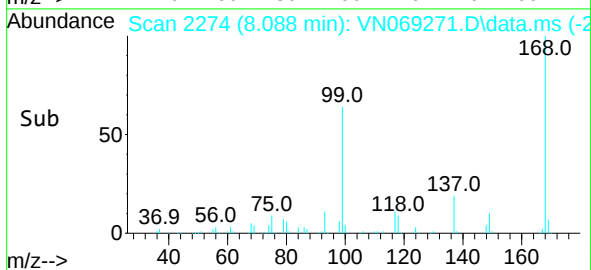
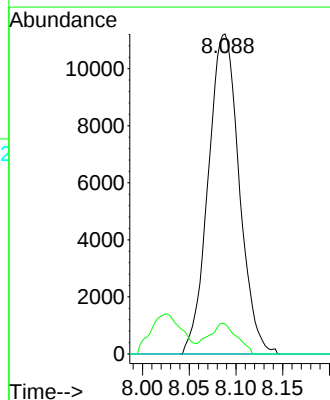
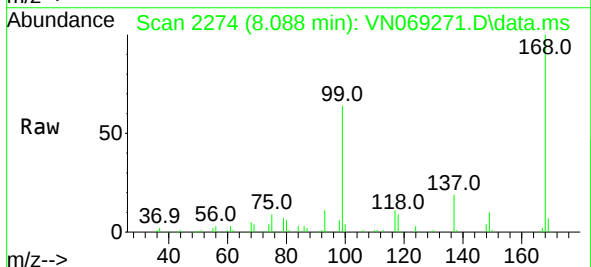
Instrument :
MSVOA_D
ClientSampleId :

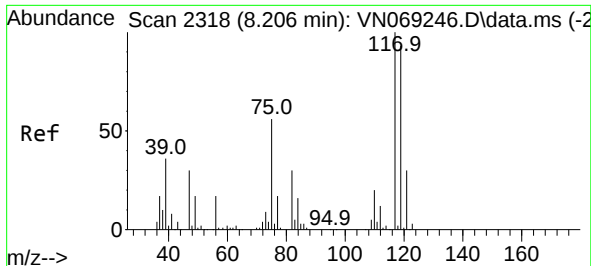
Tgt Ion:113 Resp: 157137
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.551 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

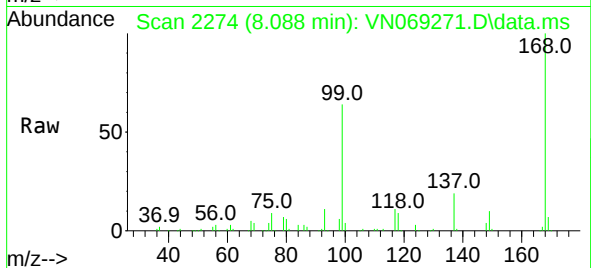
Tgt Ion: 75 Resp: 25876
Ion Ratio Lower Upper
75 100
110 8.7 17.9 53.8#
77 0.0 24.7 37.1#



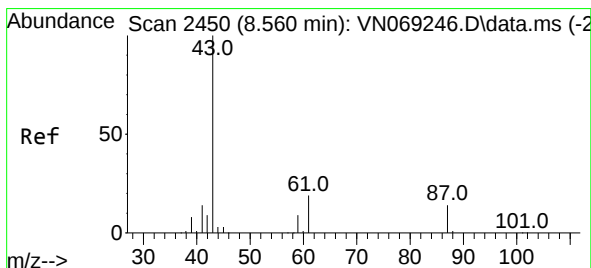
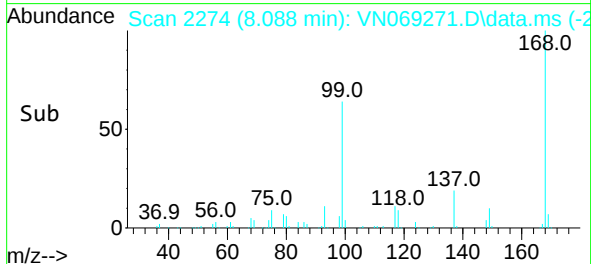
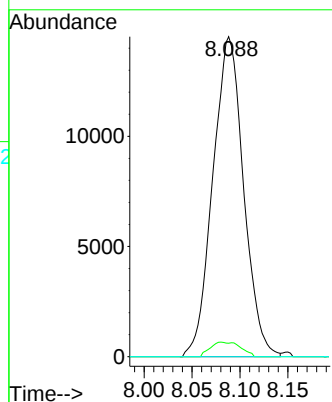


#38
Carbon Tetrachloride
Concen: 6.997 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Instrument :
MSVOA_D
ClientSampled :

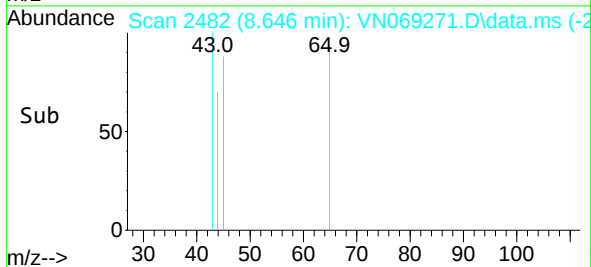
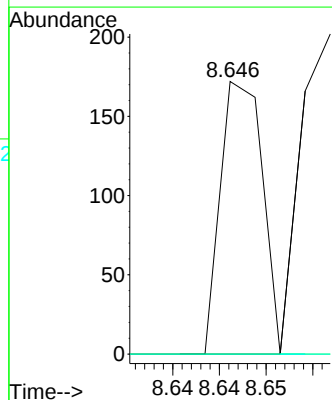
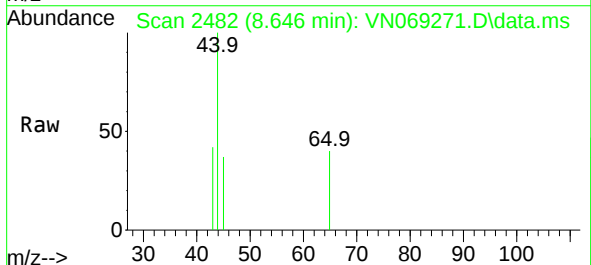


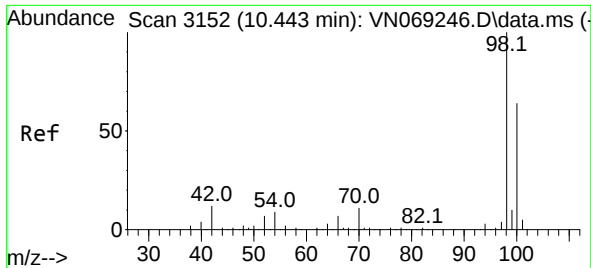
Tgt Ion:117 Resp: 32399
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.465 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.086 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

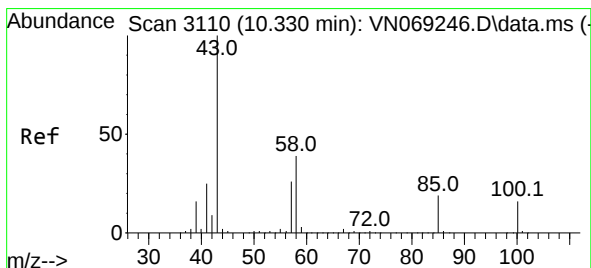
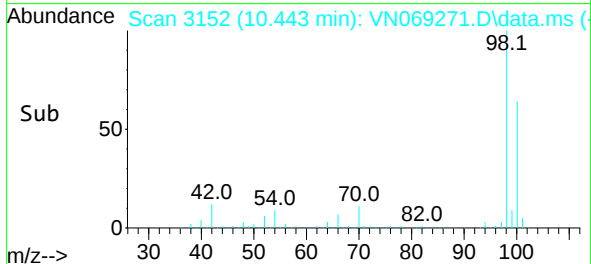
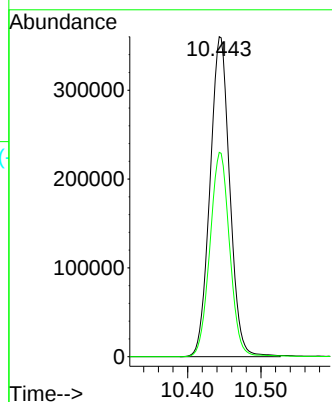
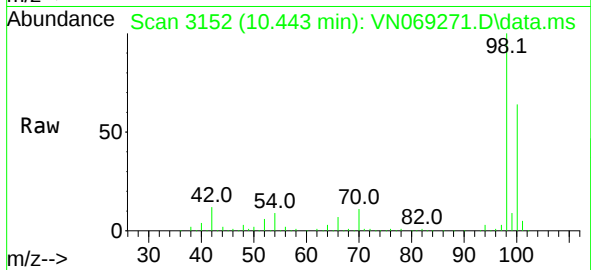




#50
Toluene-d8
Concen: 49.993 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

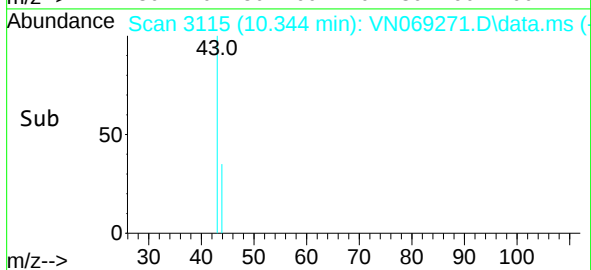
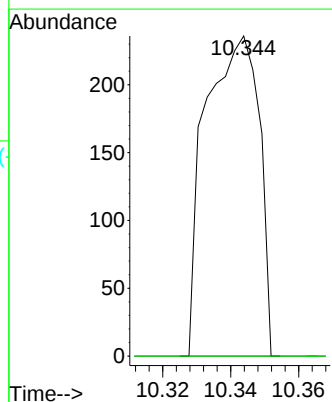
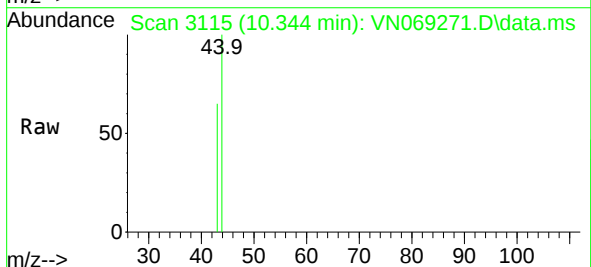
Instrument :
MSVOA_D
ClientSampleId :

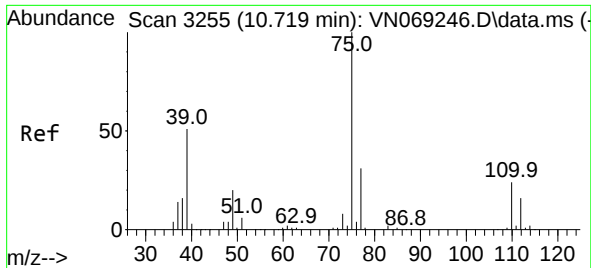
Tgt Ion: 98 Resp: 673688
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.444 ug/l
RT: 10.344 min Scan# 3115
Delta R.T. 0.014 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

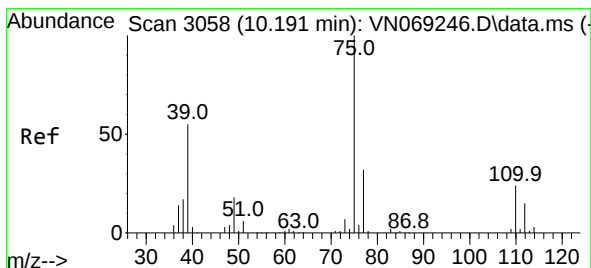
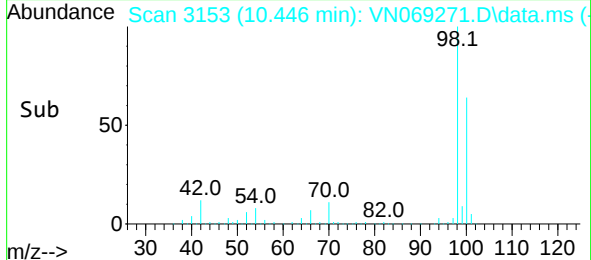
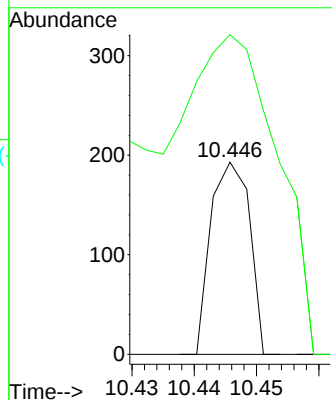
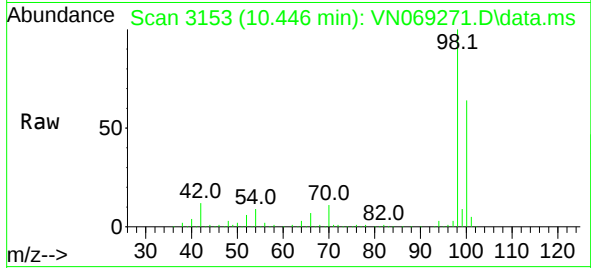




#53
t-1,3-Dichloropropene
Concen: 1.952 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.273 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

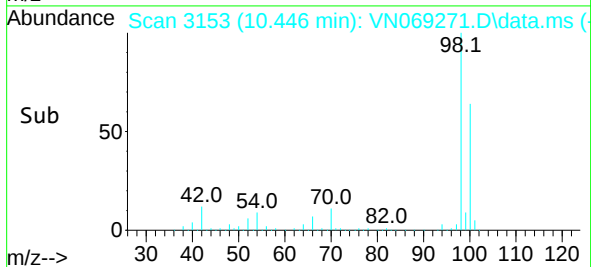
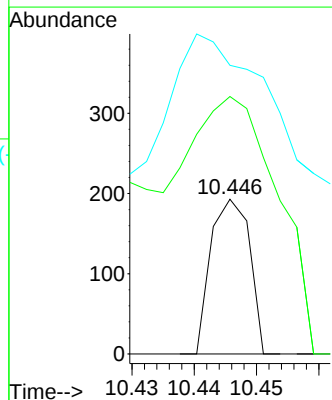
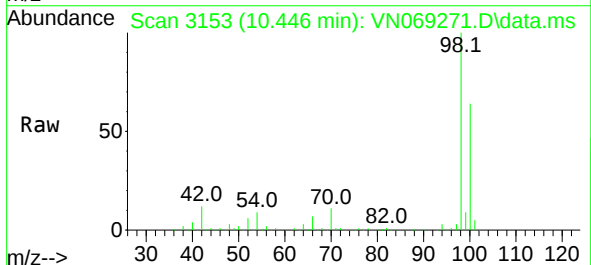
Instrument :
MSVOA_D
ClientSampled :

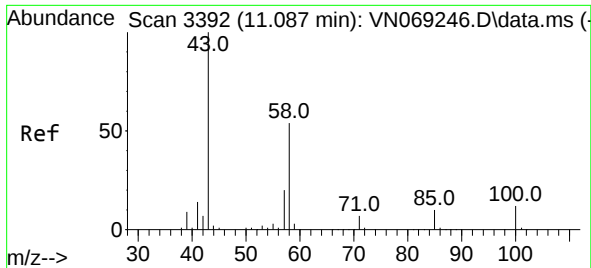
Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
77 67.4 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 1.540 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
77 67.4 25.6 38.4#
39 31.1 42.9 64.3#

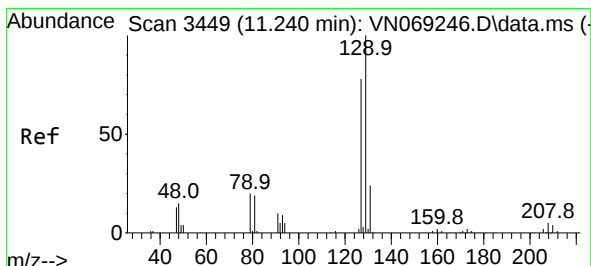
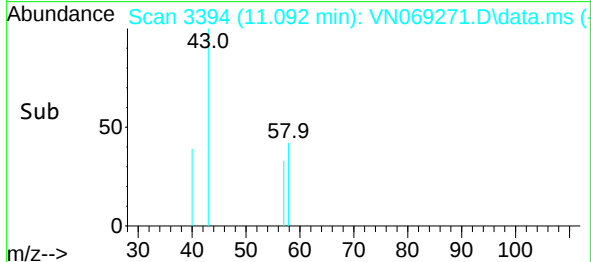
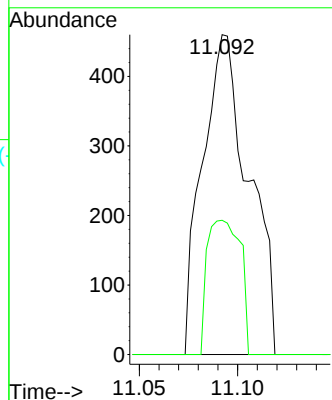
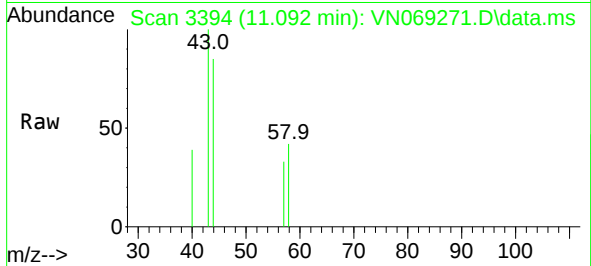




#59
2-Hexanone
Concen: 8.158 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

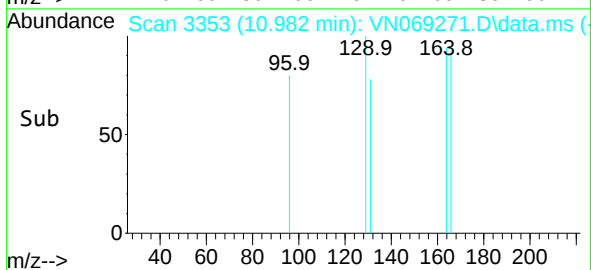
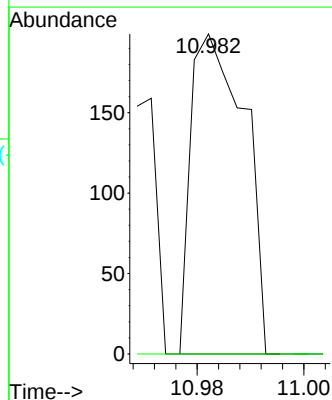
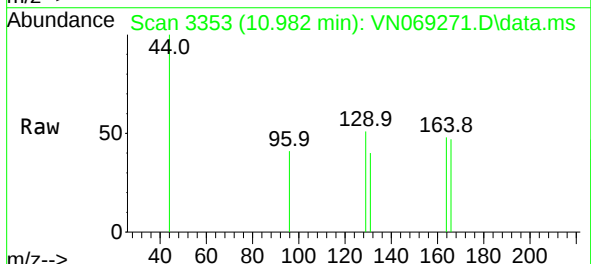
Instrument :
MSVOA_D
ClientSampled :

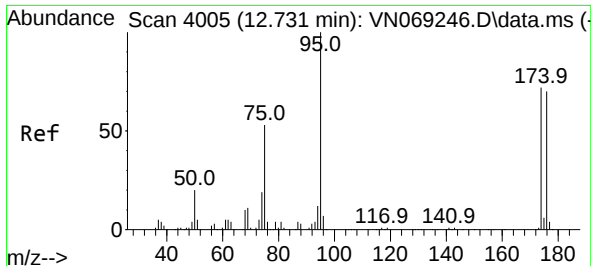
Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 30.0 26.9 80.7



#60
Dibromochloromethane
Concen: 2.007 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion: 129 Resp: 139
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

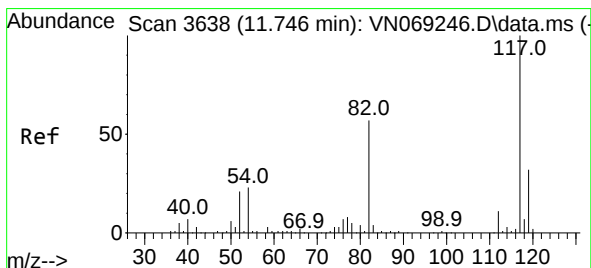
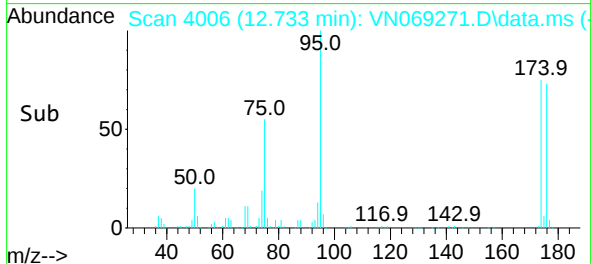
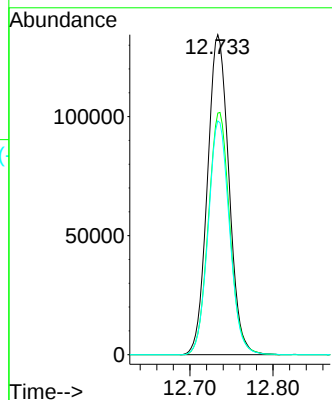
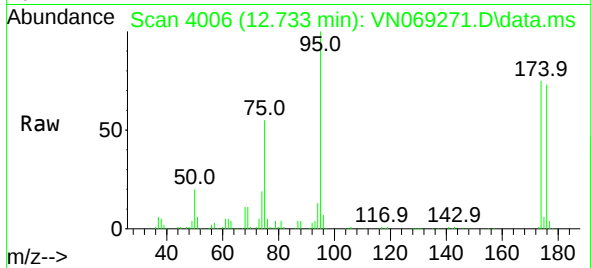




#62
4-Bromofluorobenzene
Concen: 47.420 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

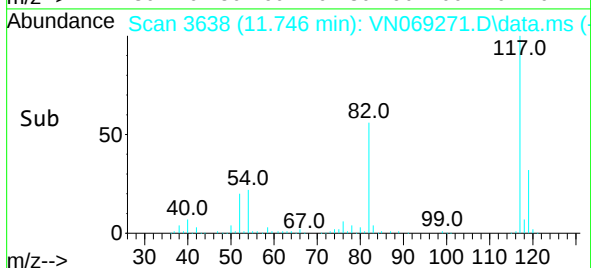
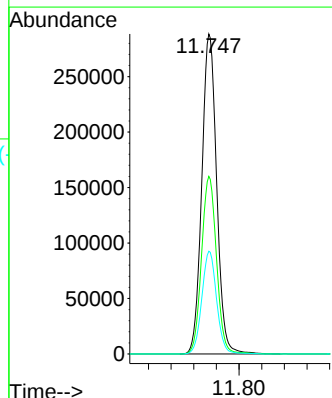
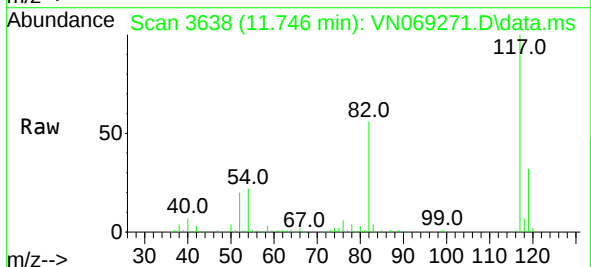
Instrument :
MSVOA_D
ClientSampleId :

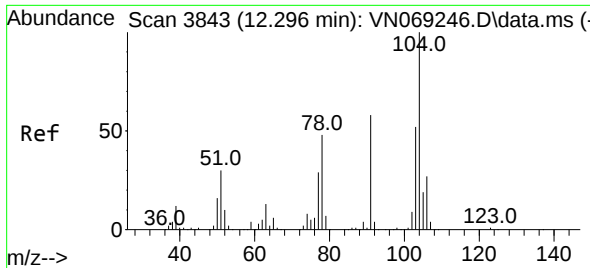
Tgt Ion: 95 Resp: 241137
Ion Ratio Lower Upper
95 100
174 75.6 0.0 144.8
176 72.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion: 117 Resp: 525311
Ion Ratio Lower Upper
117 100
82 55.5 46.4 69.6
119 32.1 26.0 39.0

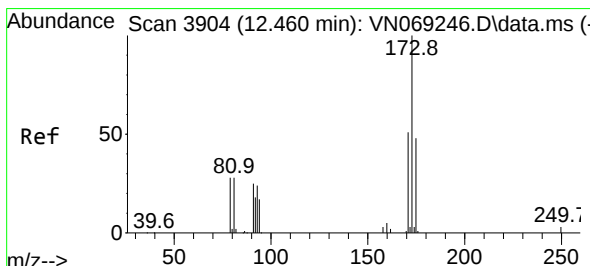
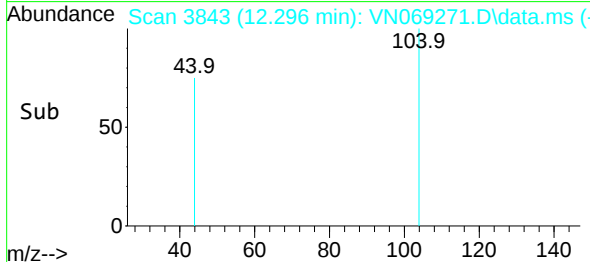
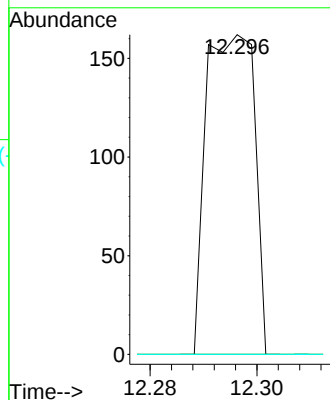
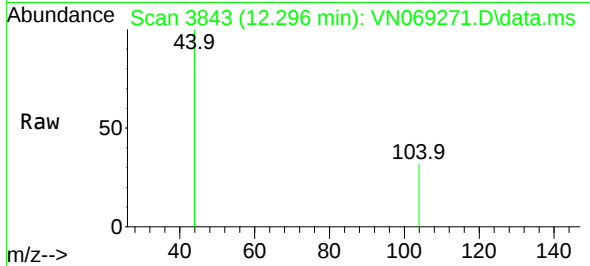




#70
Styrene
Concen: 1.464 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

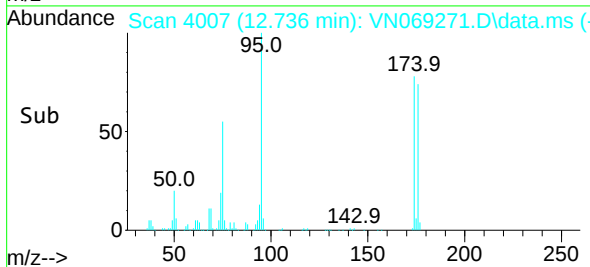
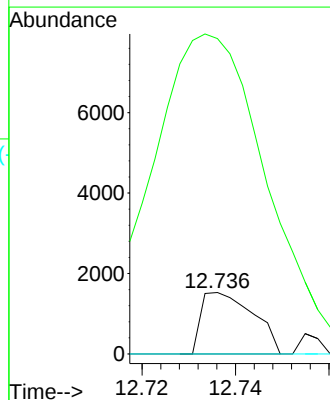
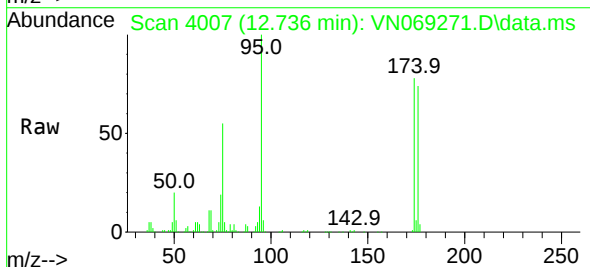
Instrument :
MSVOA_D
ClientSampled :

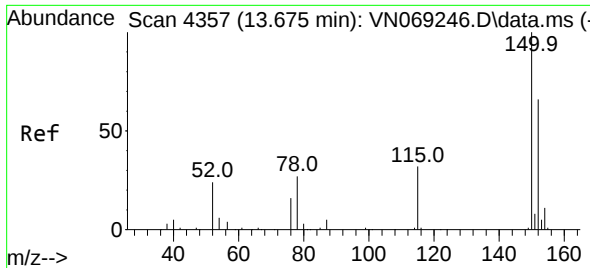
Tgt Ion:104 Resp: 101
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 3.216 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

Tgt Ion:173 Resp: 1184
Ion Ratio Lower Upper
173 100
175 1082.9 23.8 71.5#
254 0.0 0.0 0.0

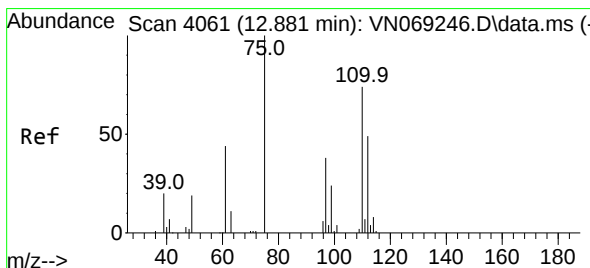
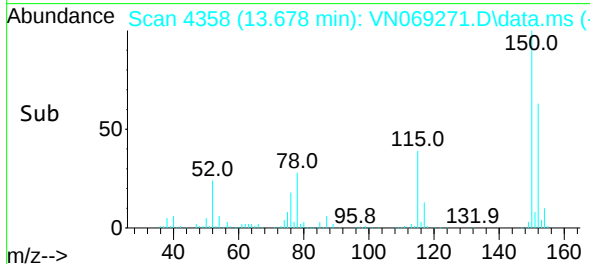
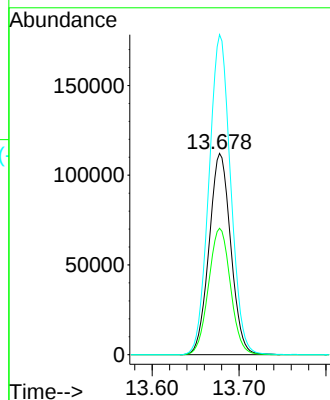
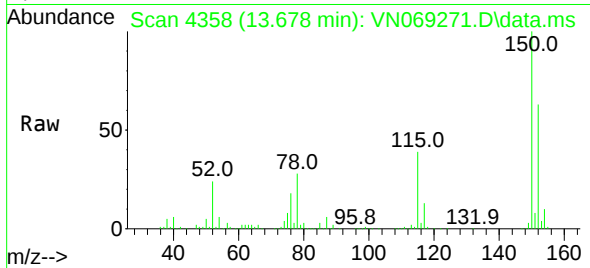




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069271.D
 Acq: 29 Oct 2021 1:19

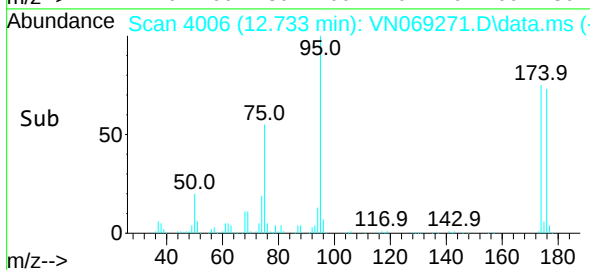
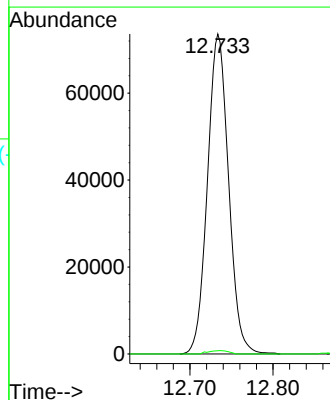
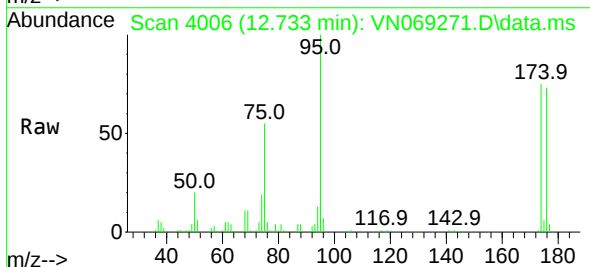
Instrument :
 MSVOA_D
 ClientSampled :

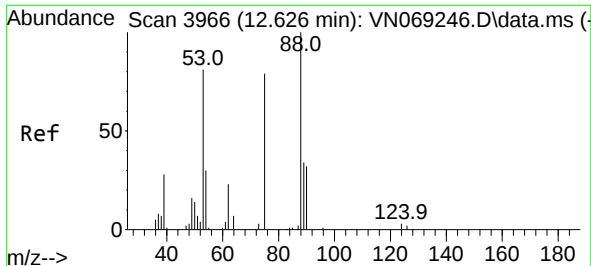
Tgt Ion:152 Resp: 194334
 Ion Ratio Lower Upper
 152 100
 115 63.4 31.4 94.3
 150 159.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.393 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069271.D
 Acq: 29 Oct 2021 1:19

Tgt Ion: 75 Resp: 129788
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

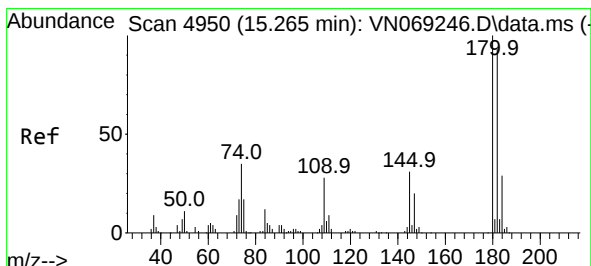
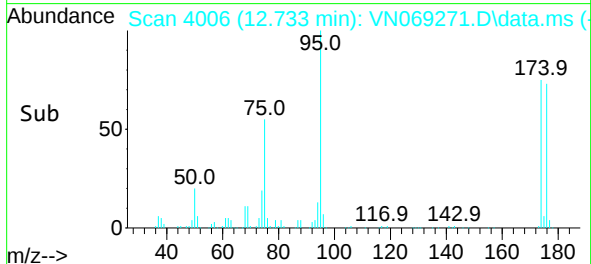
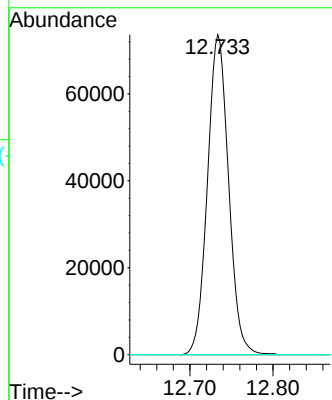
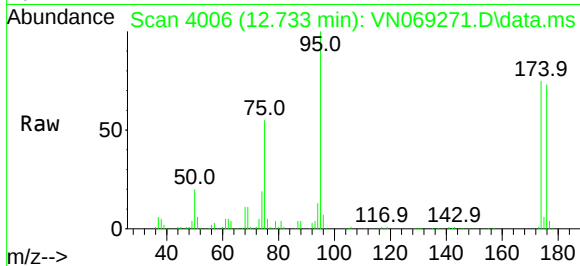




#81
trans-1,4-Dichloro-2-butene
Concen: 72.664 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

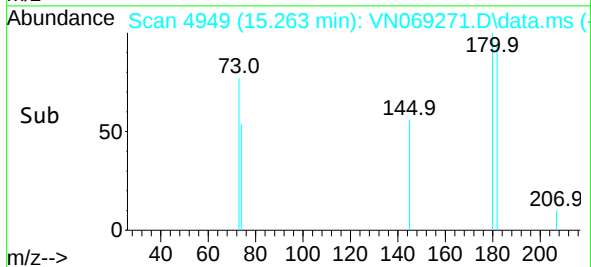
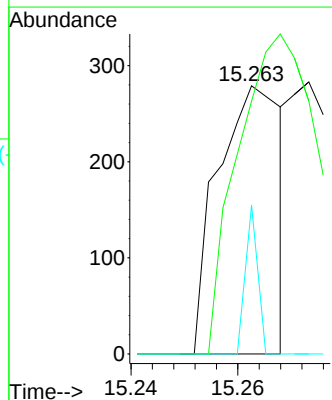
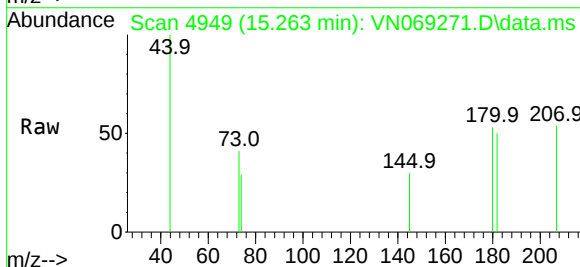
Instrument :
MSVOA_D
ClientSampled :

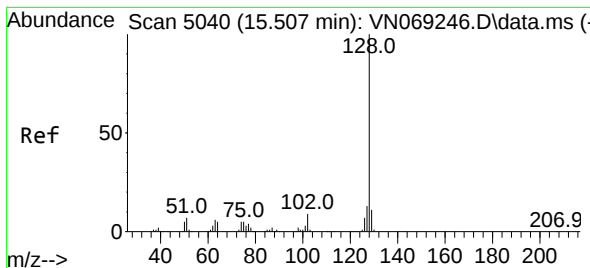
Tgt Ion: 75 Resp: 129788
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.556 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

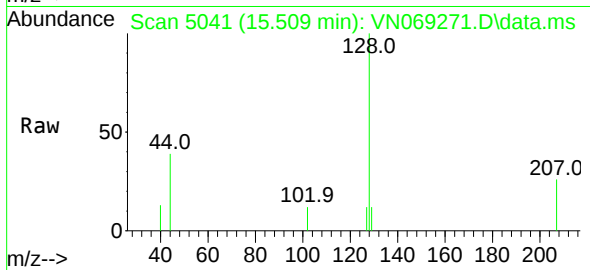
Tgt Ion:180 Resp: 229
Ion Ratio Lower Upper
180 100
182 142.4 47.9 143.7
145 10.9 16.4 49.2#



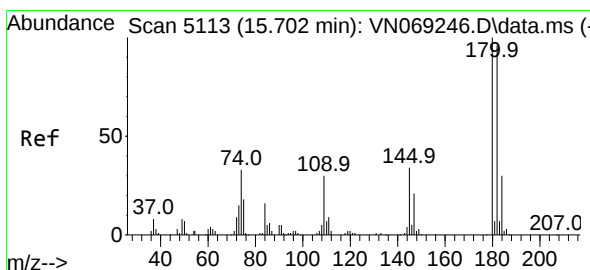
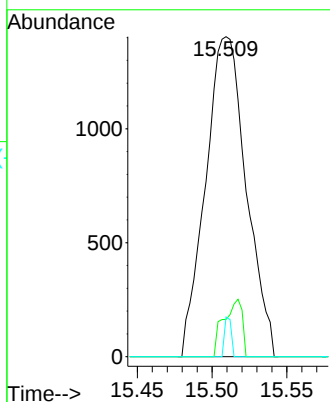
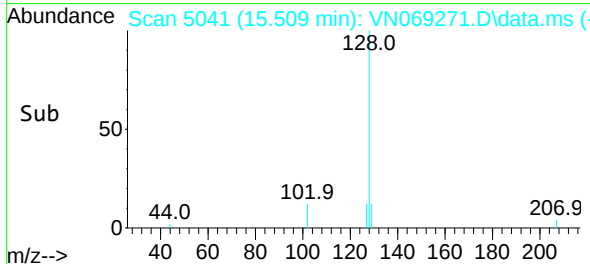


#95
Naphthalene
Concen: 3.563 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19

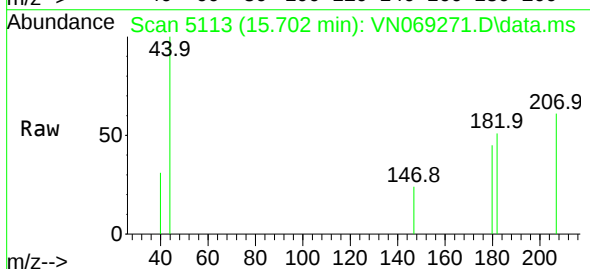
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 2658
Ion Ratio Lower Upper
128 100
127 8.2 10.5 15.7#
129 2.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.319 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069271.D
Acq: 29 Oct 2021 1:19



Tgt Ion:180 Resp: 362
Ion Ratio Lower Upper
180 100
182 159.9 48.1 144.3#
145 0.0 17.4 52.2#

