

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069301.D
 Acq On : 29 Oct 2021 15:13
 Operator : JC/MD
 Sample : M4338-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:42:14 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

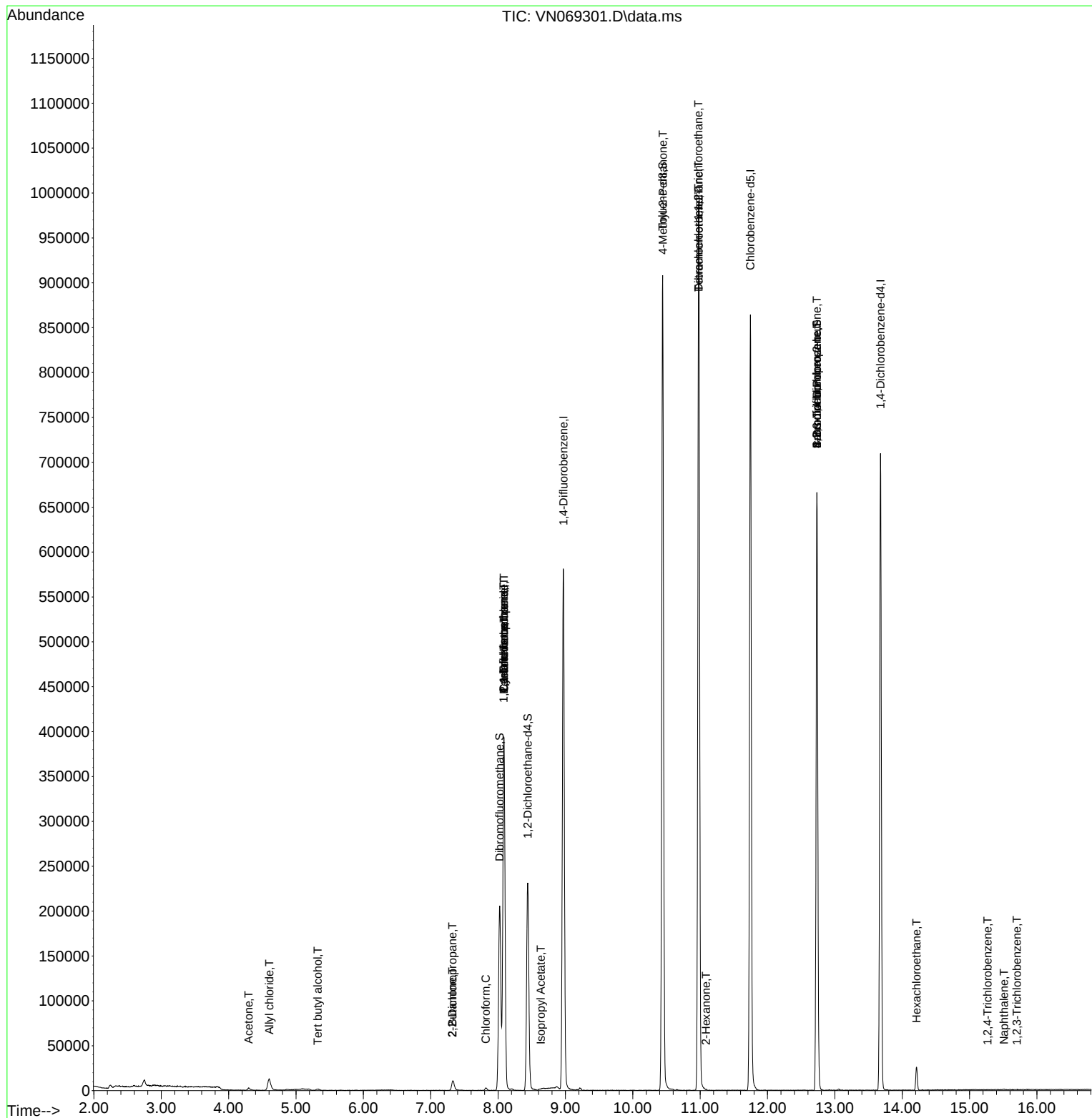
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	292791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	520004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	506225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	189482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	199526	47.208	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.420%		
35) Dibromofluoromethane	8.024	113	149117	46.002	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.000%		
50) Toluene-d8	10.443	98	650738	50.209	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.420%		
62) 4-Bromofluorobenzene	12.734	95	237693	48.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	464	Below Cal	#	42
11) Tert butyl alcohol	5.323	59	1259	14.857	ug/l #	72
14) Allyl chloride	4.604	41	2234	0.480	ug/l #	79
16) Acetone	4.296	43	4103	2.278	ug/l	96
25) 2-Butanone	7.321	43	340	1.756	ug/l #	48
26) 2,2-Dichloropropane	7.321	77	323	0.896	ug/l #	53
30) Chloroform	7.817	83	3039	0.502	ug/l	84
31) Cyclohexane	8.086	56	6593	1.166	ug/l #	1
32) 1,1,1-Trichloroethane	8.083	97	79	0.888	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	23879	5.327	ug/l #	43
38) Carbon Tetrachloride	8.086	117	30251	6.823	ug/l #	16
43) Isopropyl Acetate	8.633	43	1000	0.570	ug/l #	55
51) 4-Methyl-2-Pentanone	10.446	43	3059	6.916	ug/l #	1
55) 1,1,2-Trichloroethane	10.974	97	2213	0.624	ug/l #	24
59) 2-Hexanone	11.087	43	193	8.042	ug/l #	25
60) Dibromochloromethane	10.980	129	218843	54.015	ug/l #	10
64) Tetrachloroethene	10.980	164	221306	68.442	ug/l	99
71) Bromoform	12.734	173	1203	3.235	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	126747	25.433	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	126747	72.772	ug/l #	12
90) Hexachloroethane	14.211	117	3397	3.323	ug/l	99
93) 1,2,4-Trichlorobenzene	15.268	180	107	2.520	ug/l #	12
95) Naphthalene	15.512	128	671	3.374	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.702	180	51	2.223	ug/l #	12

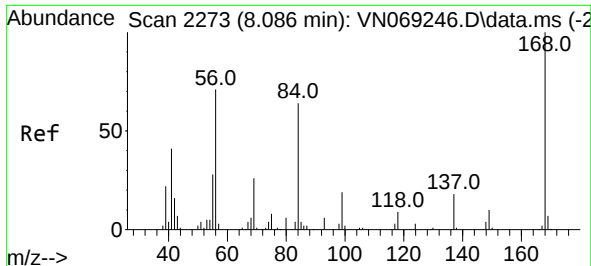
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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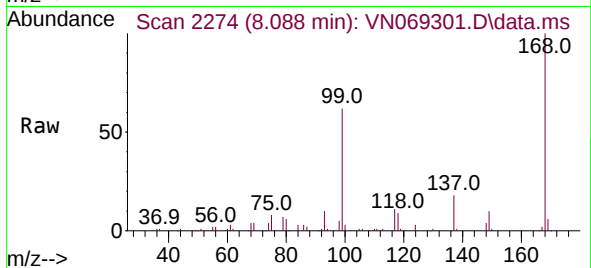
Quant Time: Oct 30 05:42:14 2021
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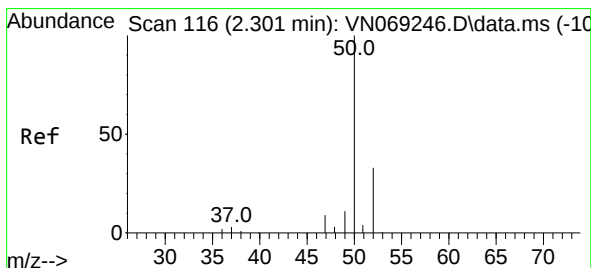
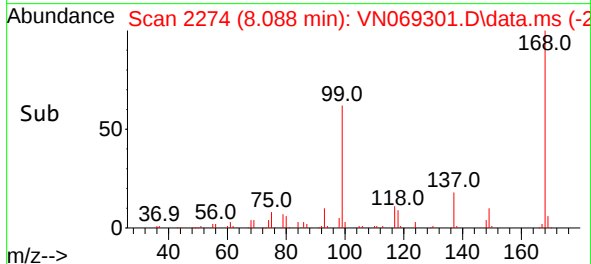
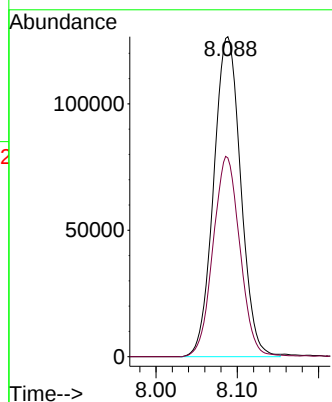


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :

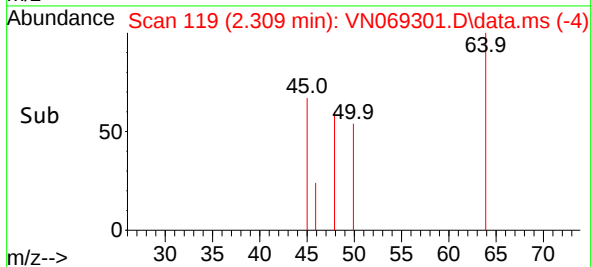
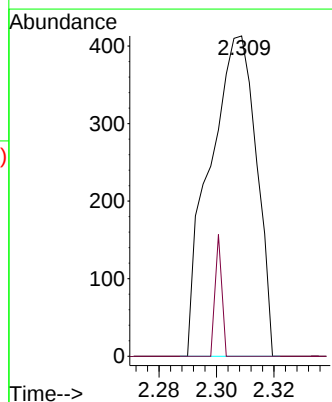
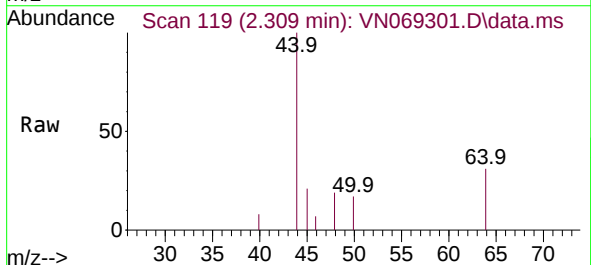


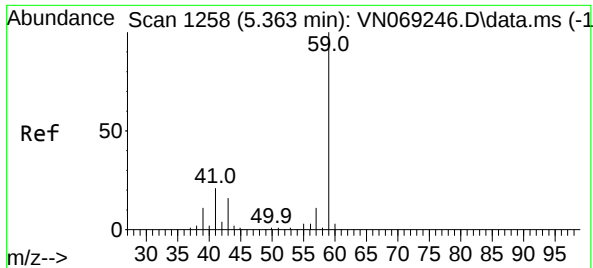
Tgt Ion:168 Resp: 292791
Ion Ratio Lower Upper
168 100
99 62.1 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion: 50 Resp: 464
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

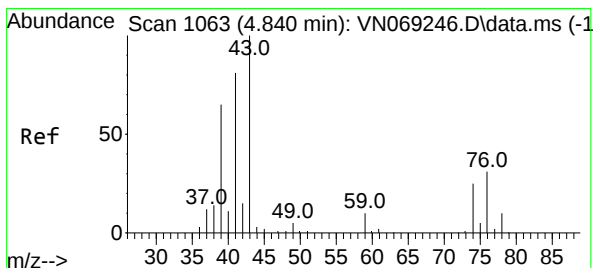
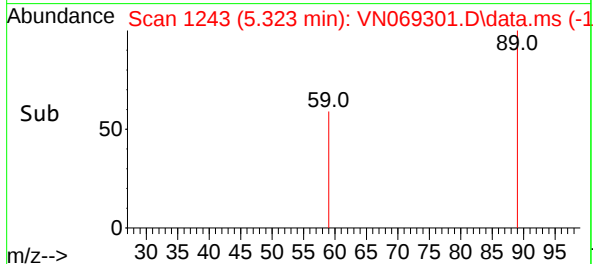
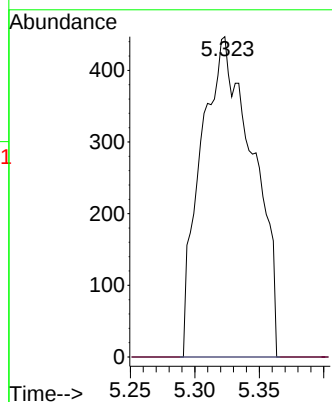
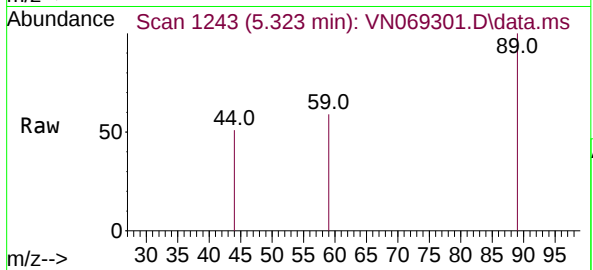




#11
Tert butyl alcohol
Concen: 14.857 ug/l
RT: 5.323 min Scan# 11
Delta R.T. -0.040 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

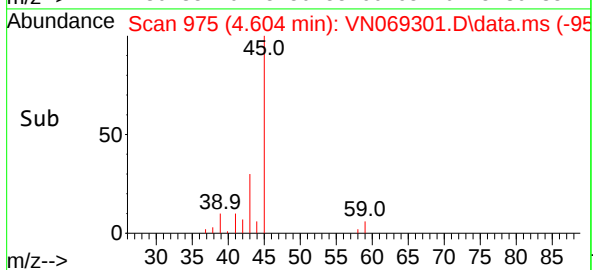
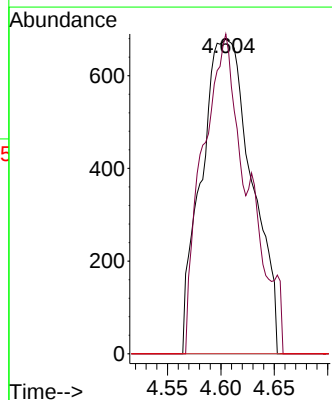
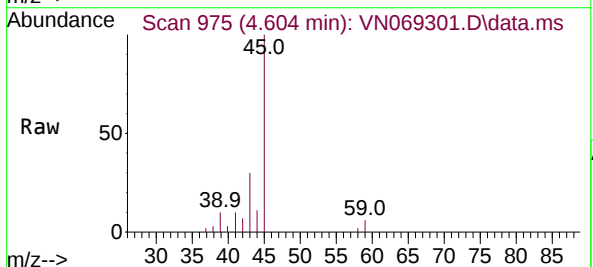
Instrument :
MSVOA_N
ClientSampleId :

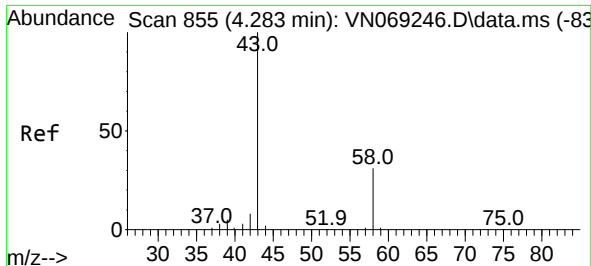
Tgt Ion: 59 Resp: 1259
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.480 ug/l
RT: 4.604 min Scan# 975
Delta R.T. -0.236 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion: 41 Resp: 2234
Ion Ratio Lower Upper
41 100
39 71.8 55.6 83.4
76 0.0 26.4 39.6#

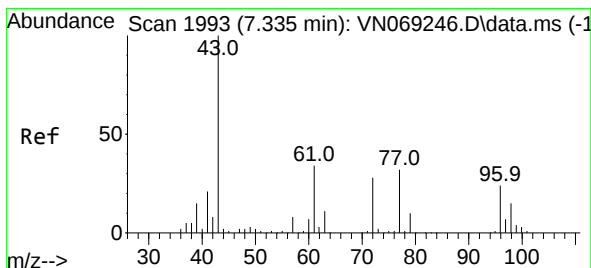
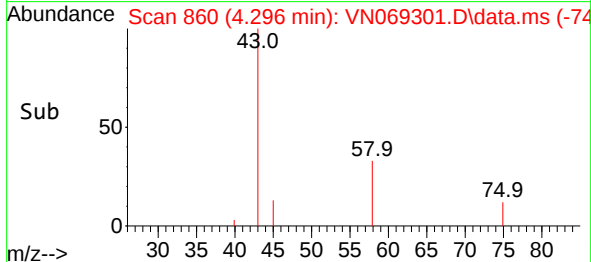
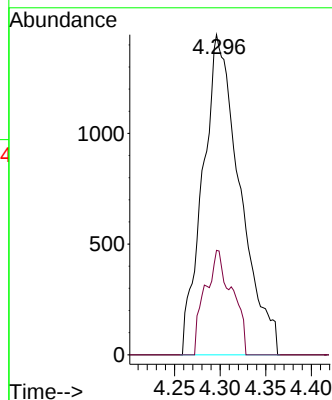
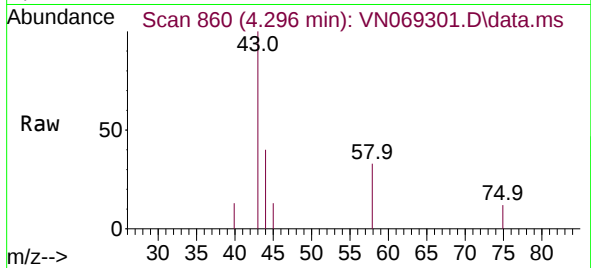




#16
Acetone
Concen: 2.278 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.013 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

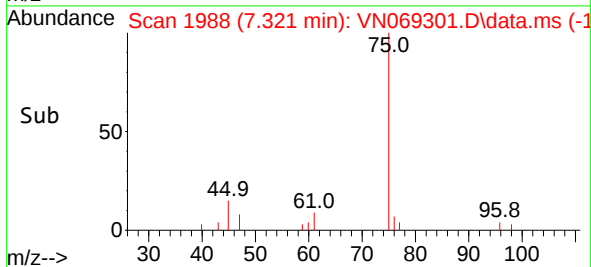
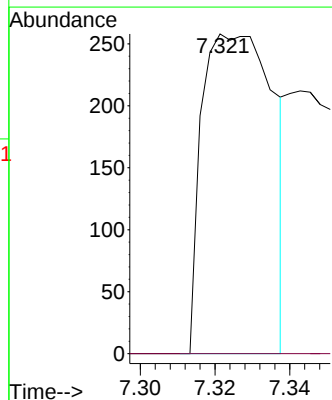
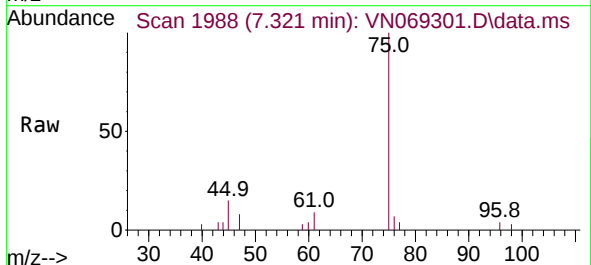
Instrument :
MSVOA_N
ClientSampleId :

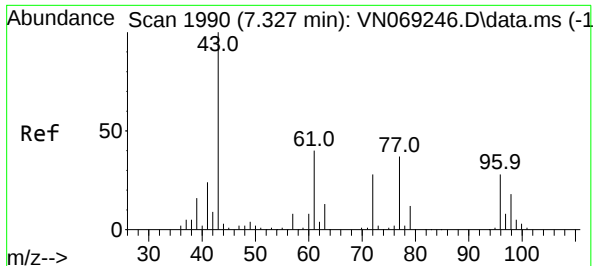
Tgt Ion: 43 Resp: 4103
Ion Ratio Lower Upper
43 100
58 32.6 24.5 36.7



#25
2-Butanone
Concen: 1.756 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.014 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

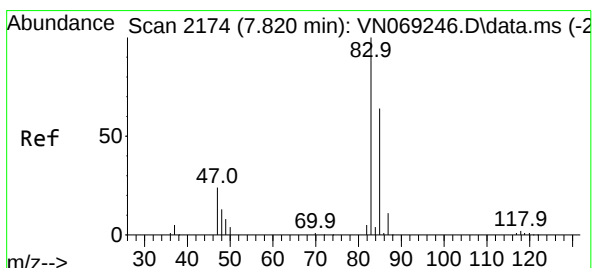
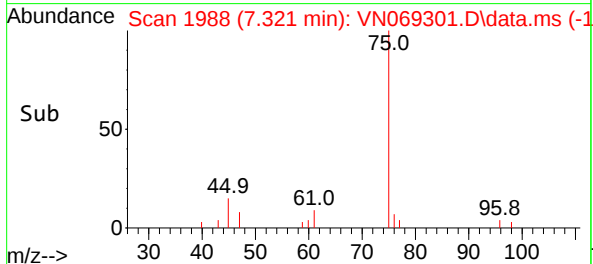
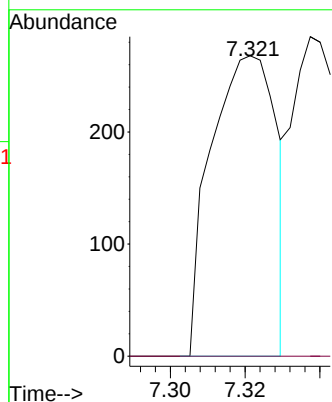
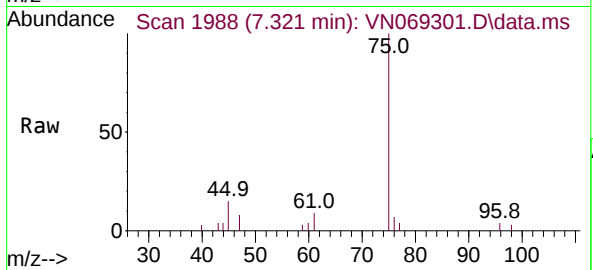




#26
2,2-Dichloropropane
Concen: 0.896 ug/l
RT: 7.321 min Scan# 1990
Delta R.T. -0.006 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

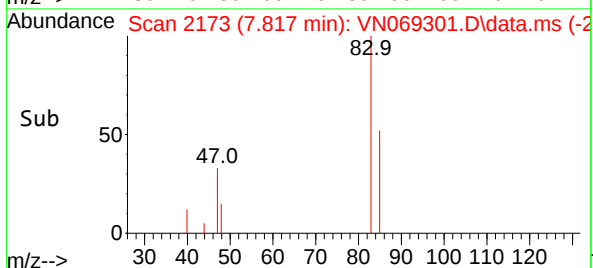
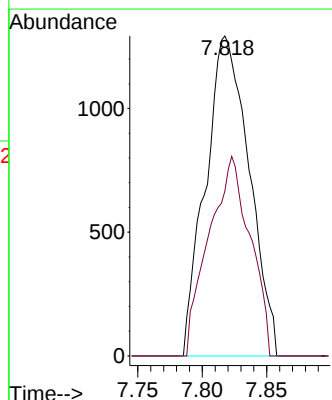
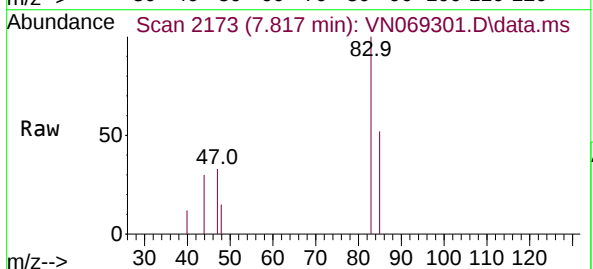
Instrument :
MSVOA_N
ClientSampleId :

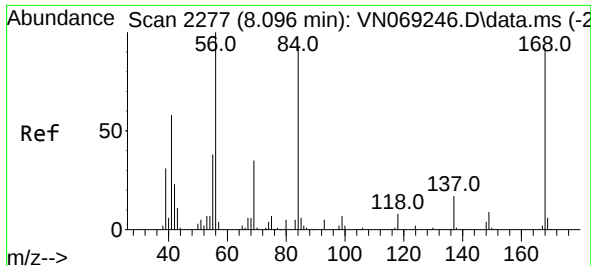
Tgt Ion: 77 Resp: 323
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#30
Chloroform
Concen: 0.502 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

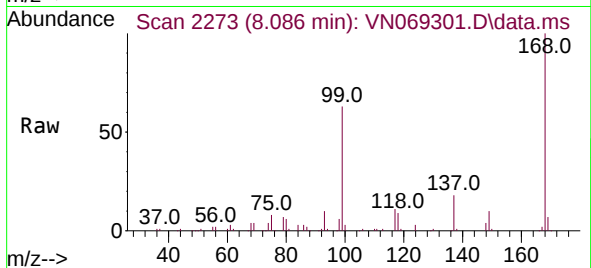
Tgt Ion: 83 Resp: 3039
Ion Ratio Lower Upper
83 100
85 51.5 51.1 76.7



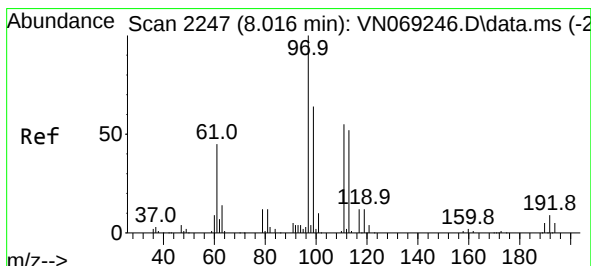
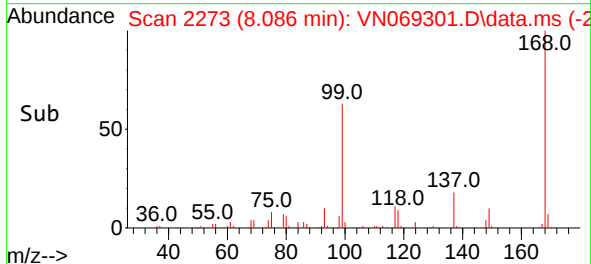
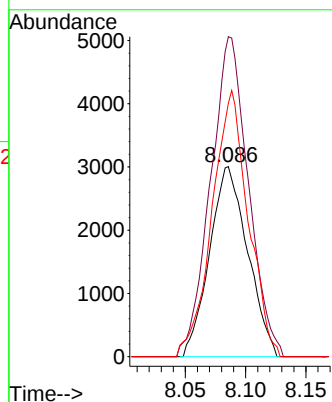


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.010 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :

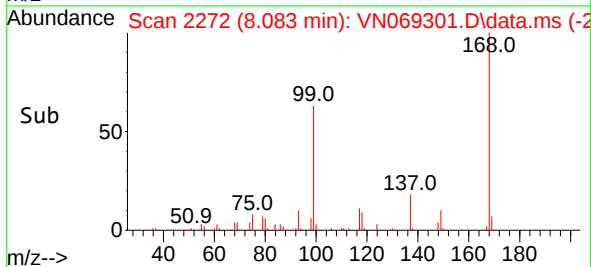
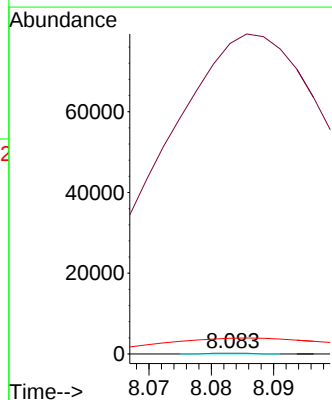
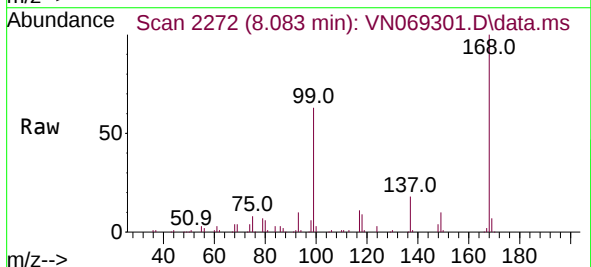


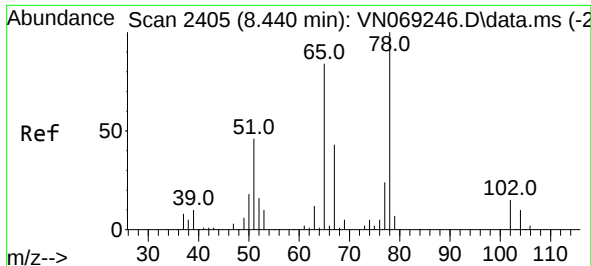
Tgt Ion: 56 Resp: 6593
Ion Ratio Lower Upper
56 100
69 162.8 26.9 40.3#
84 133.4 67.6 101.4#



#32
1,1,1-Trichloroethane
Concen: 0.888 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. 0.067 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion: 97 Resp: 79
Ion Ratio Lower Upper
97 100
99 230638.0 50.8 76.2#
61 11672.2 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 47.208 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

Instrument :

MSVOA_N

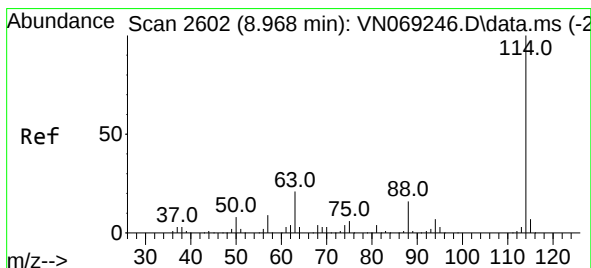
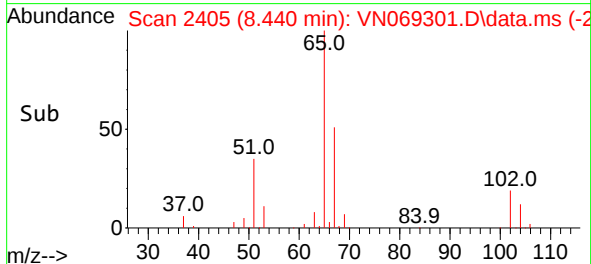
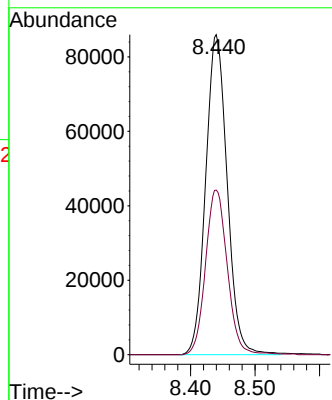
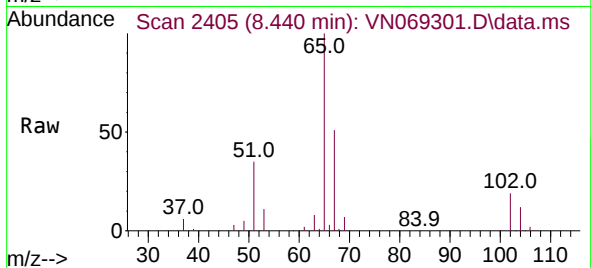
ClientSampleId :

Tgt Ion: 65 Resp: 199526

Ion Ratio Lower Upper

65 100

67 52.1 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: VN069301.D

Acq: 29 Oct 2021 15:13

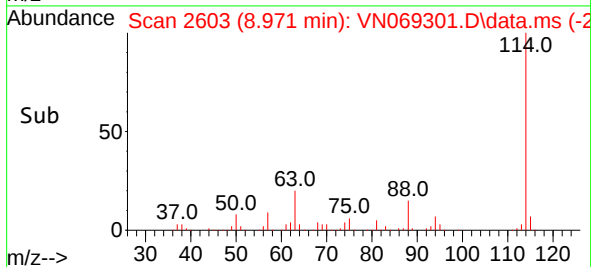
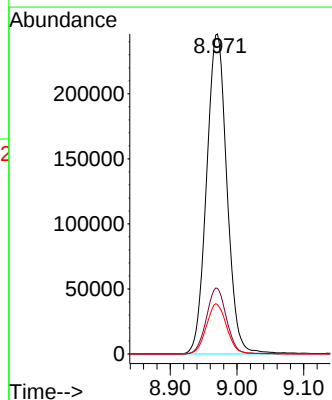
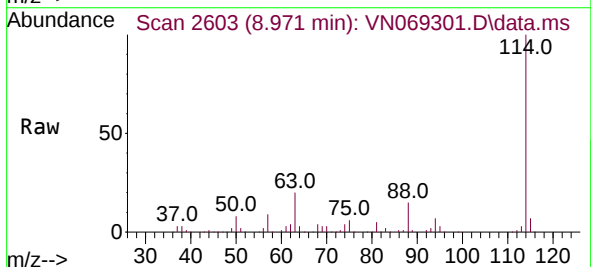
Tgt Ion: 114 Resp: 520004

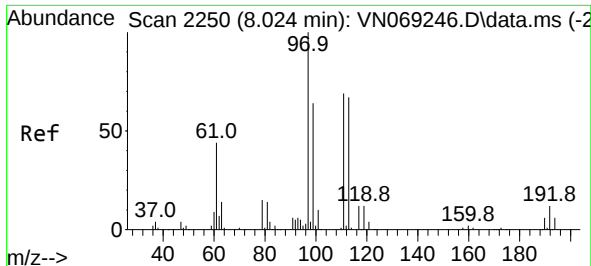
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

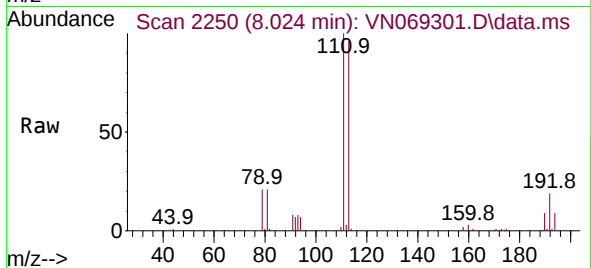
88 15.5 0.0 32.0



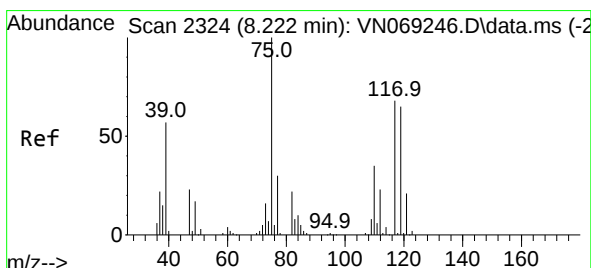
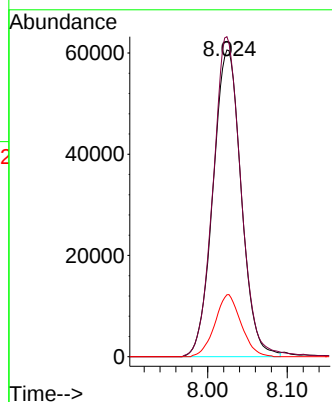
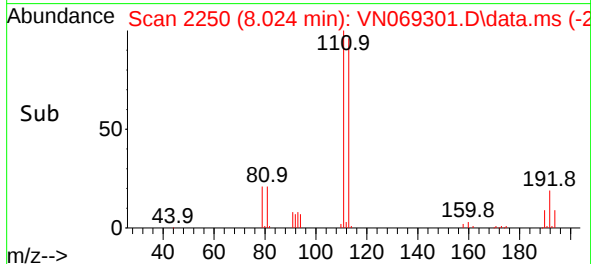


#35
Dibromofluoromethane
Concen: 46.002 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :

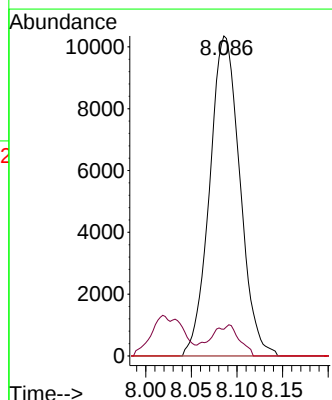
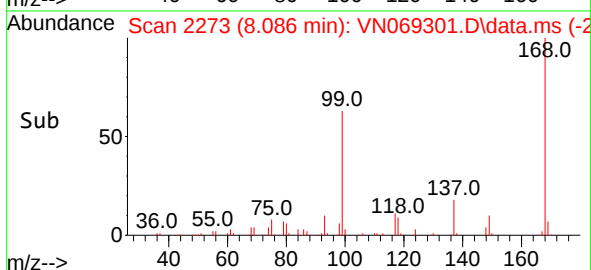
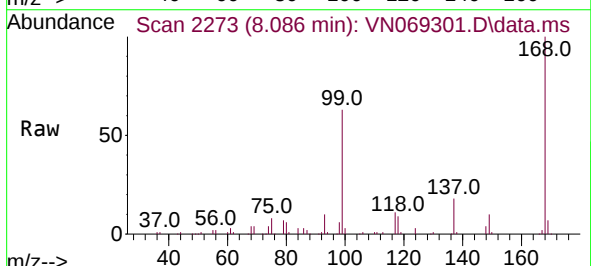


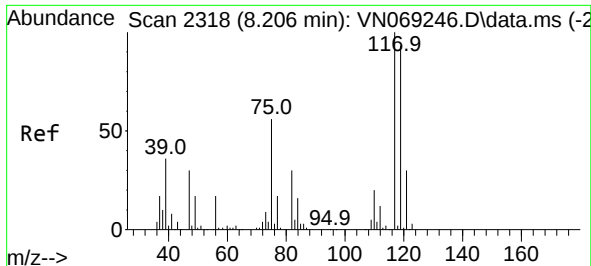
Tgt Ion:113 Resp: 149117
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 18.8 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.327 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

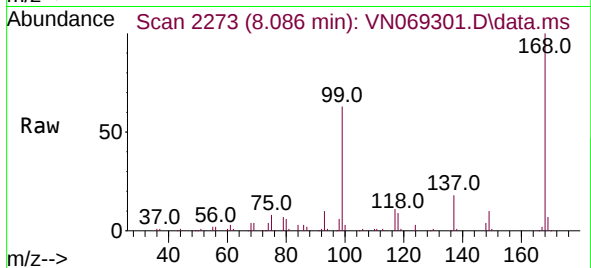
Tgt Ion: 75 Resp: 23879
Ion Ratio Lower Upper
75 100
110 2.2 17.9 53.8#
77 0.0 24.7 37.1#



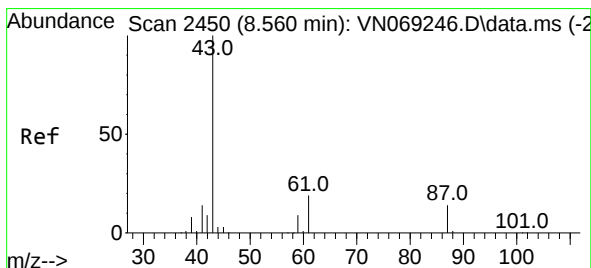
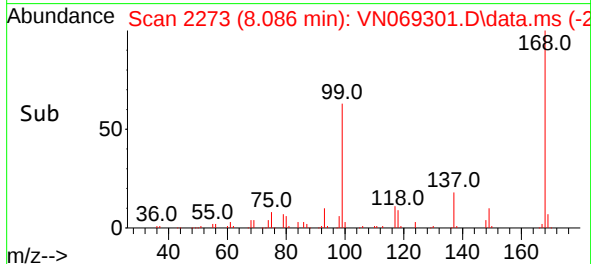
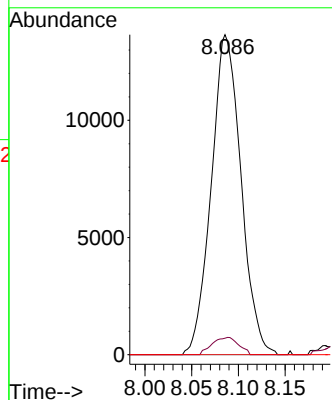


#38
Carbon Tetrachloride
Concen: 6.823 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :

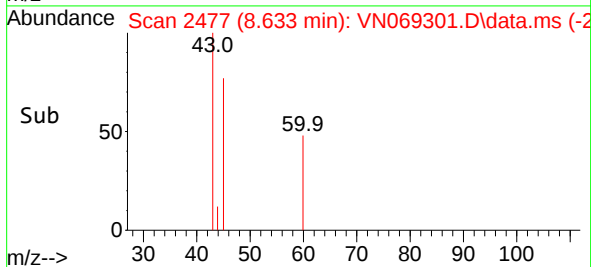
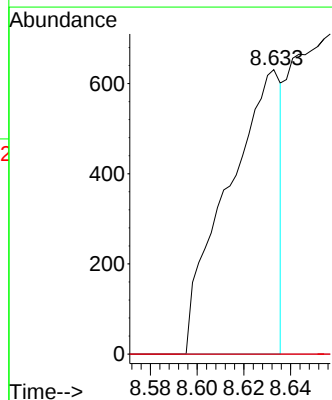
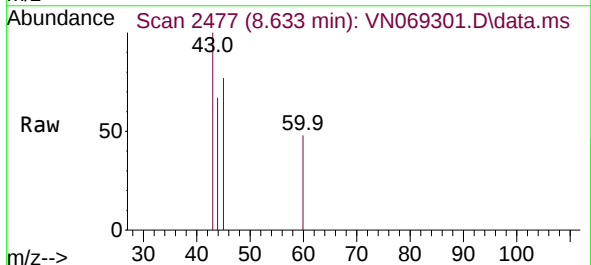


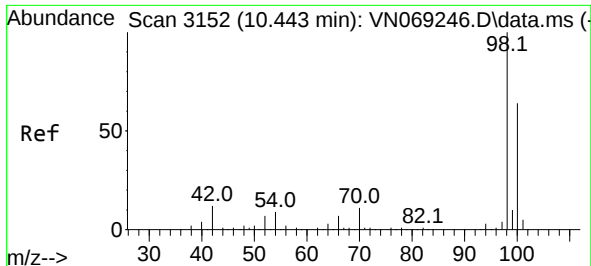
Tgt Ion:117 Resp: 30251
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.570 ug/l
RT: 8.633 min Scan# 2477
Delta R.T. 0.073 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

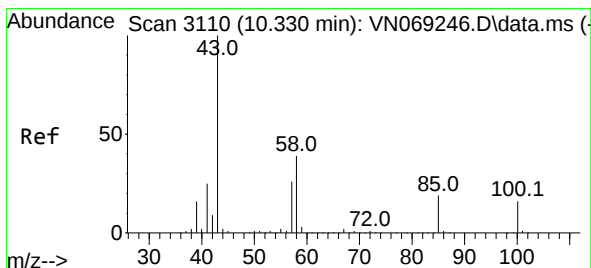
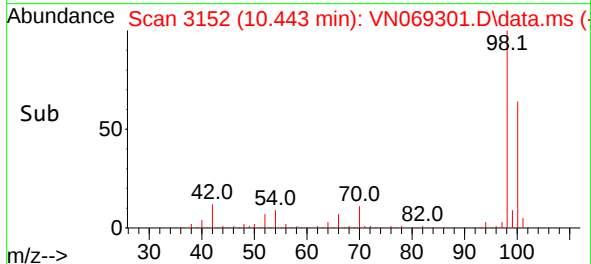
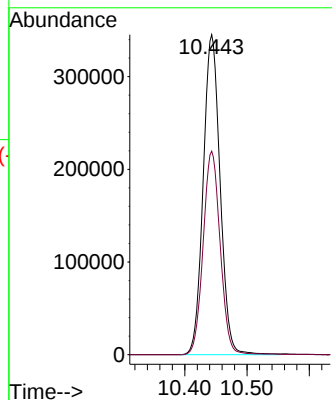
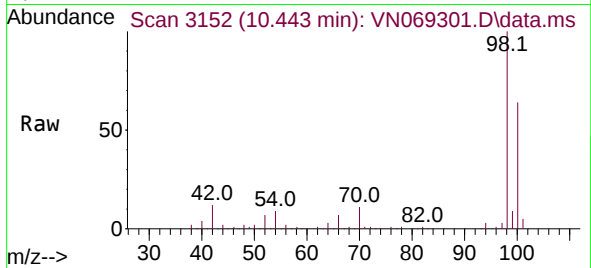




#50
Toluene-d8
Concen: 50.209 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

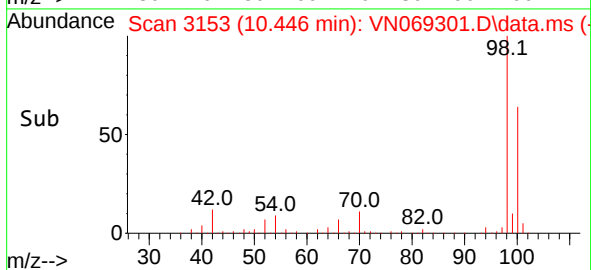
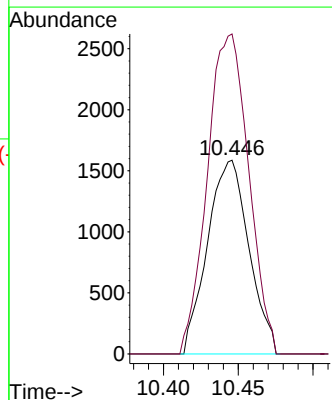
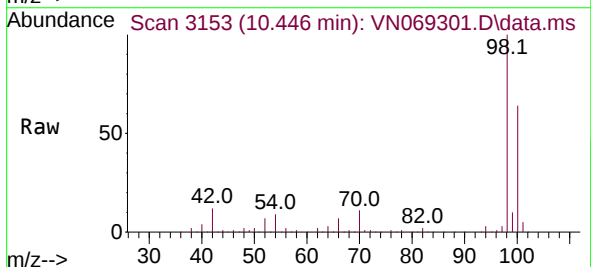
Instrument :
MSVOA_N
ClientSampleId :

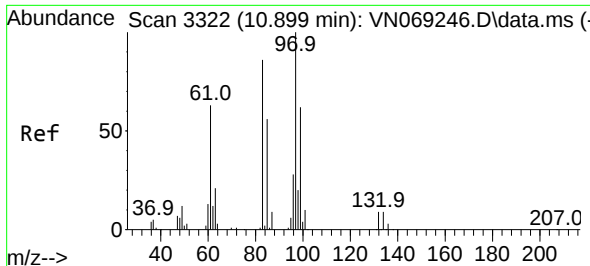
Tgt Ion: 98 Resp: 650738
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.916 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.116 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

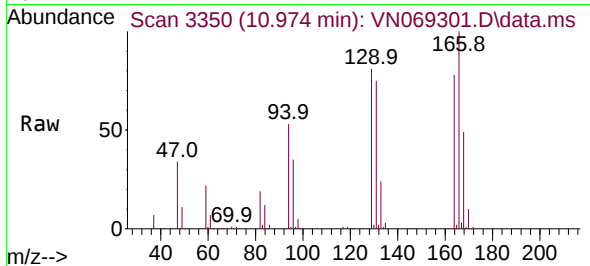
Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
58 164.8 31.0 46.4#



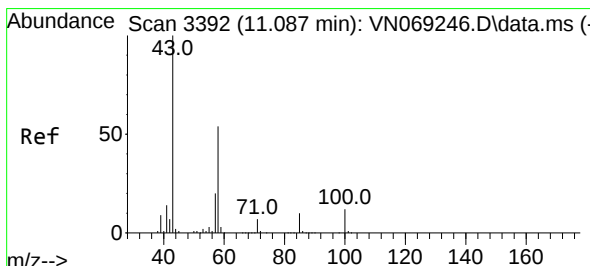
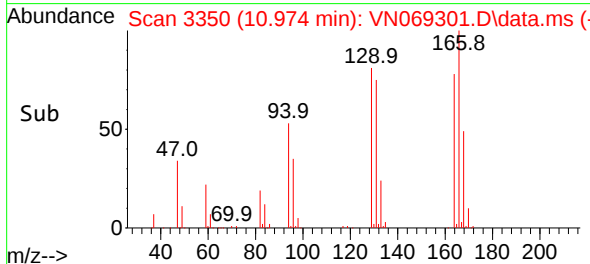
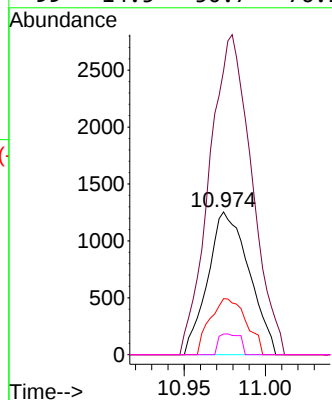


#55
1,1,2-Trichloroethane
Concen: 0.624 ug/l
RT: 10.974 min Scan# 31
Delta R.T. 0.075 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :

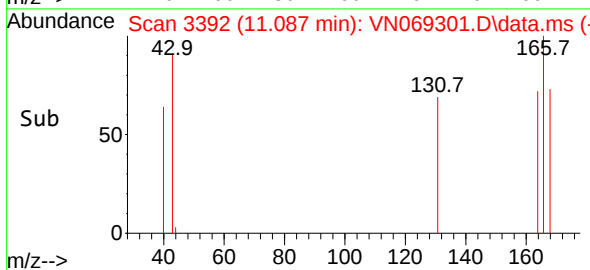
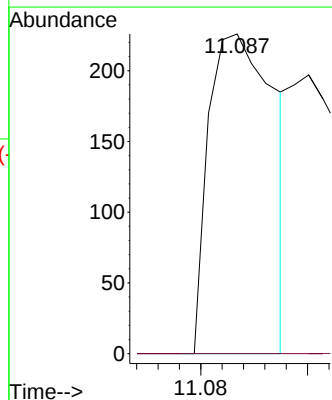
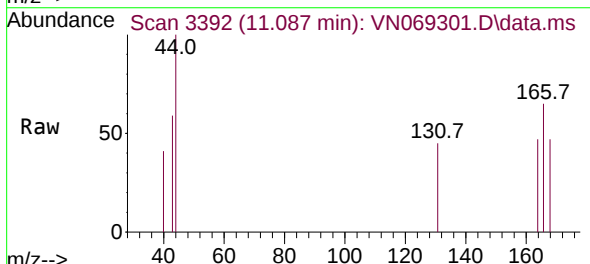


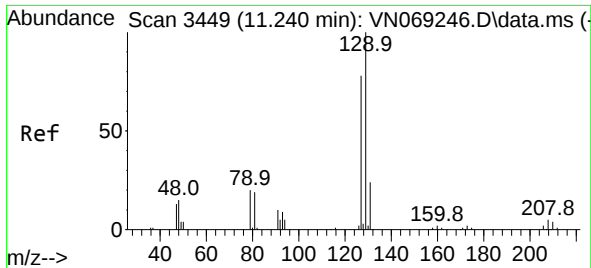
Tgt Ion:	97	Resp:	2213
Ion	Ratio	Lower	Upper
97	100		
83	199.0	70.5	105.7#
85	39.3	45.3	67.9#
99	14.5	50.7	76.1#



#59
2-Hexanone
Concen: 8.042 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion:	43	Resp:	193
Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.9	80.7#

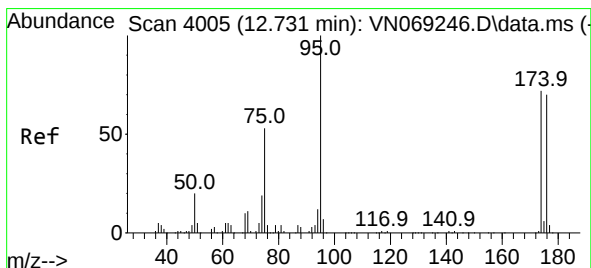
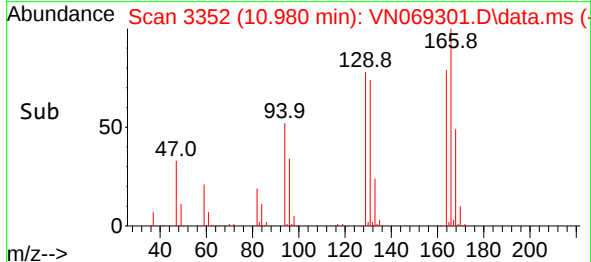
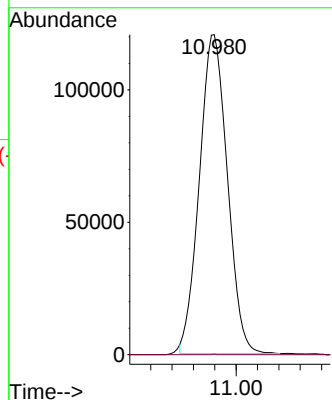
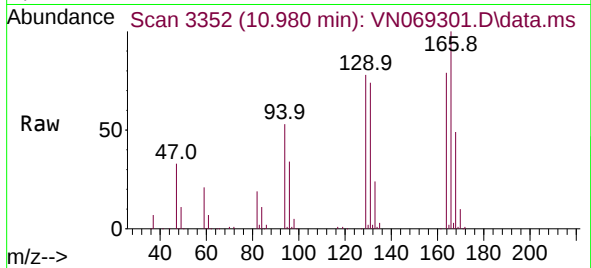




#60
Dibromochloromethane
Concen: 54.015 ug/l
RT: 10.980 min Scan# 31
Delta R.T. -0.260 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

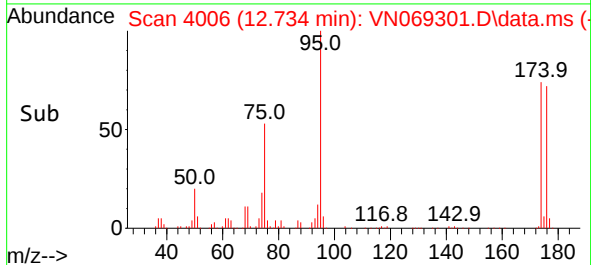
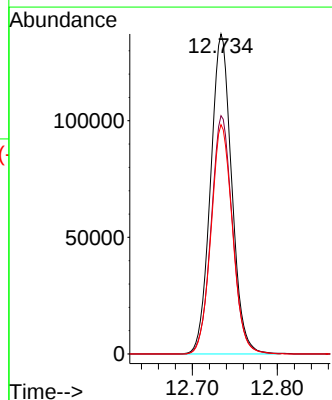
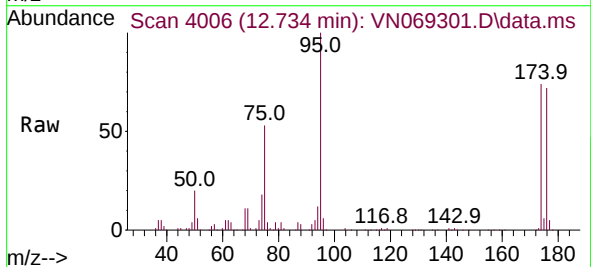
Instrument :
MSVOA_N
ClientSampleId :

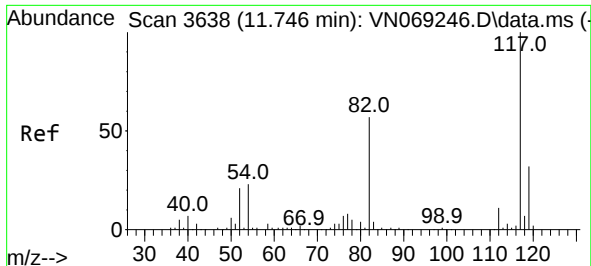
Tgt Ion:129 Resp: 218843
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 48.601 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion: 95 Resp: 237693
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.8
176 72.6 0.0 140.0

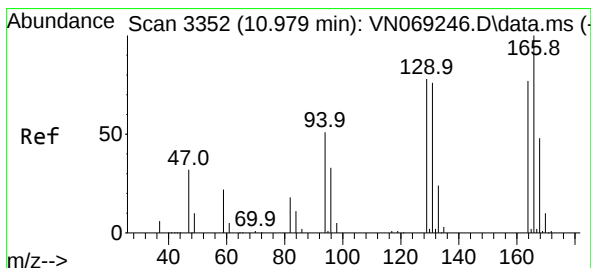
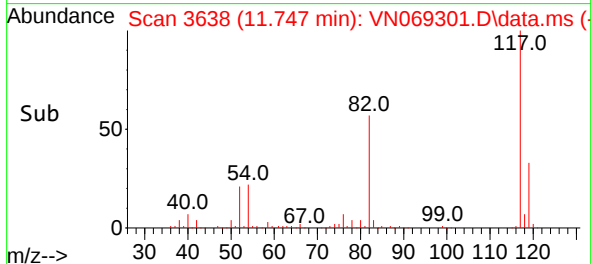
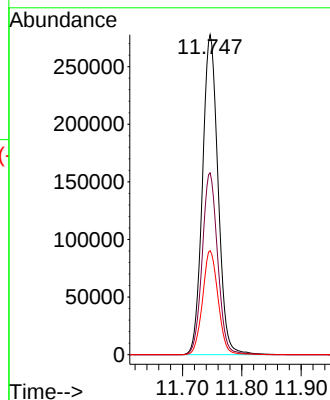
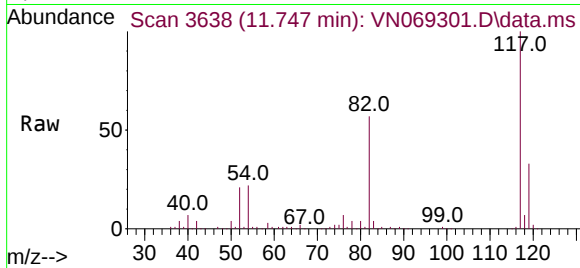




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

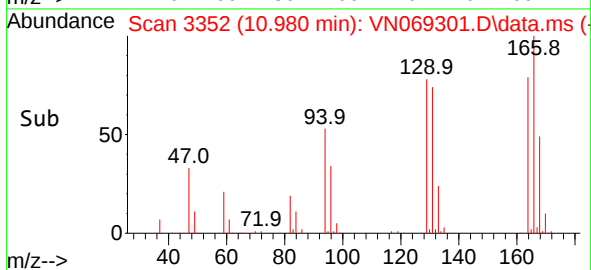
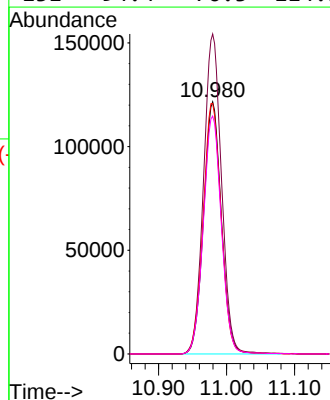
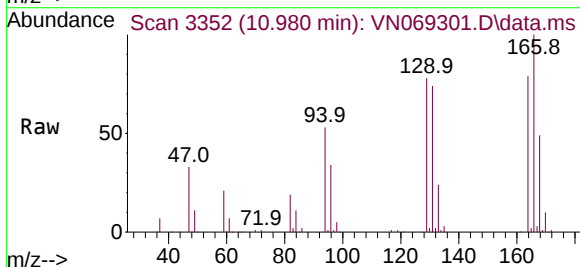
Instrument :
MSVOA_N
ClientSampleId :

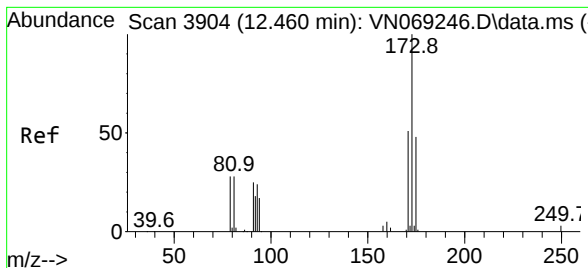
Tgt Ion:117 Resp: 506225
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 68.442 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.001 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion:164 Resp: 221306
Ion Ratio Lower Upper
164 100
166 126.9 99.8 149.8
129 99.4 79.2 118.8
131 94.4 76.3 114.5





#71

Bromoform

Concen: 3.235 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. 0.274 min

Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

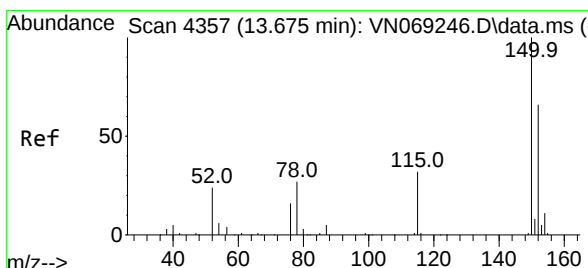
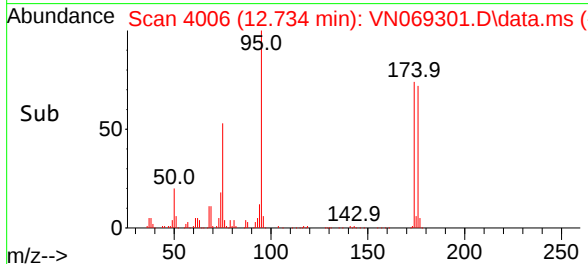
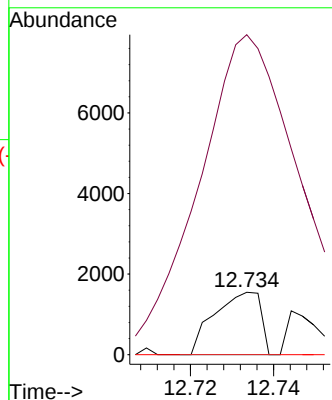
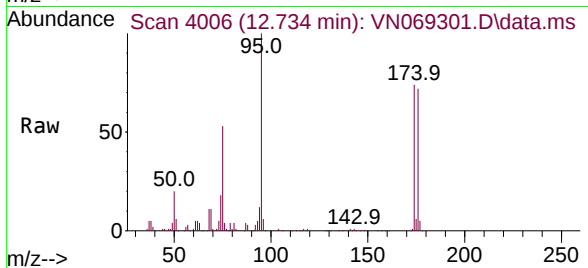
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1203

Ion	Ratio	Lower	Upper
173	100		
175	1029.0	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

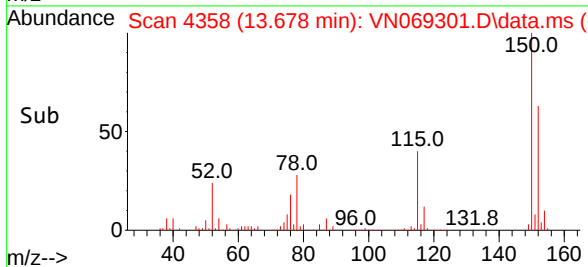
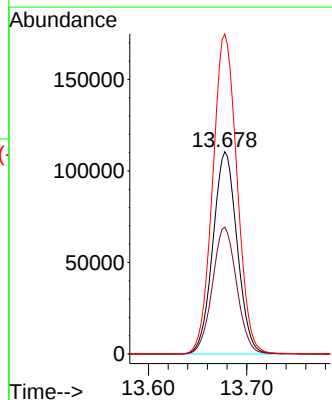
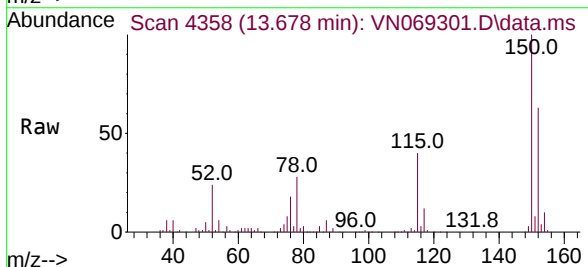
Delta R.T. 0.003 min

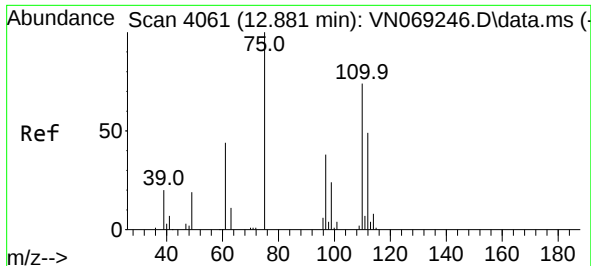
Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

Tgt Ion:152 Resp: 189482

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.4	94.3
150	158.8	0.0	351.0

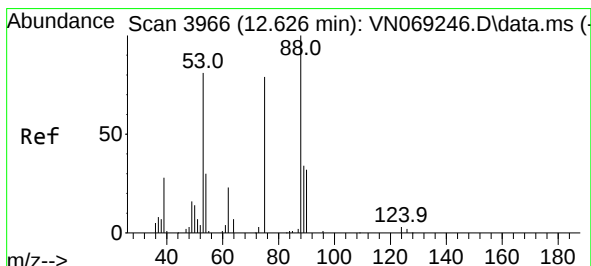
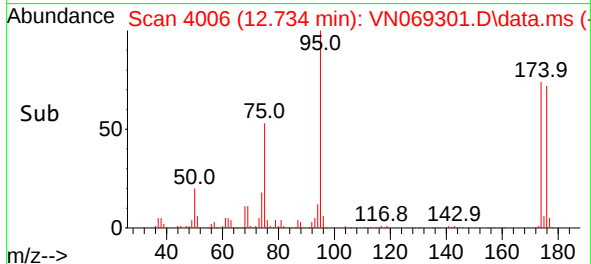
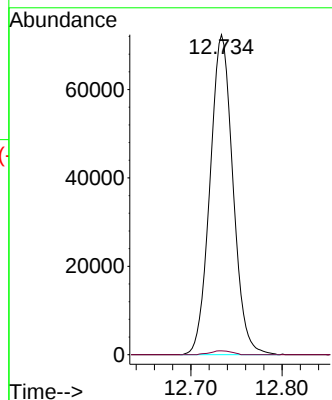
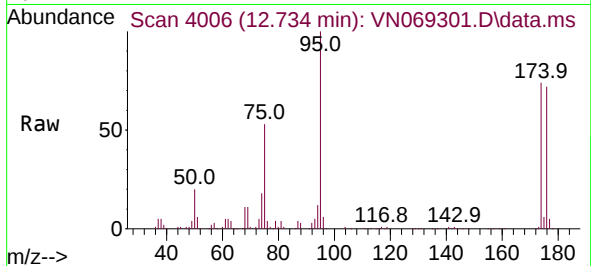




#76
1,2,3-Trichloropropane
Concen: 25.433 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

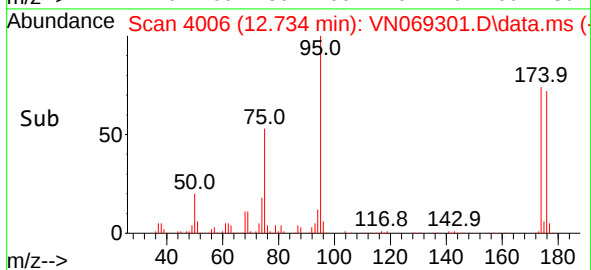
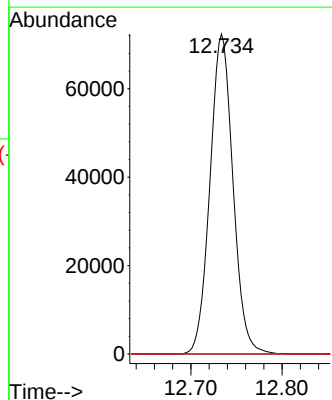
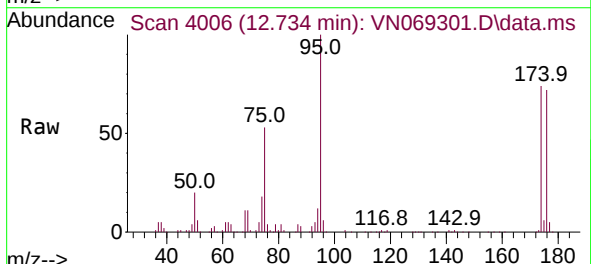
Instrument :
MSVOA_N
ClientSampleId :

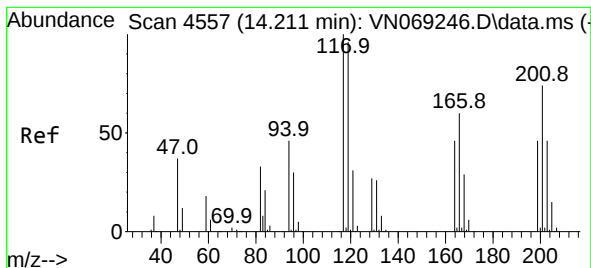
Tgt Ion: 75 Resp: 126747
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.772 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion: 75 Resp: 126747
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#90

Hexachloroethane

Concen: 3.323 ug/l

RT: 14.211 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

Instrument :

MSVOA_N

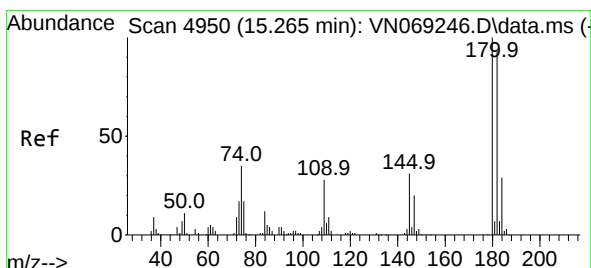
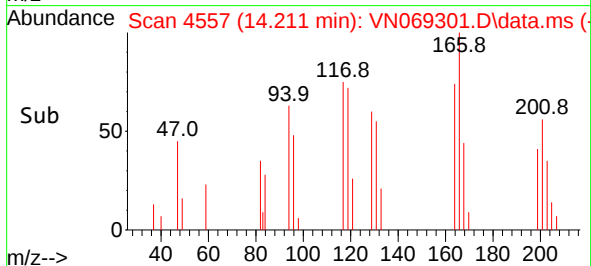
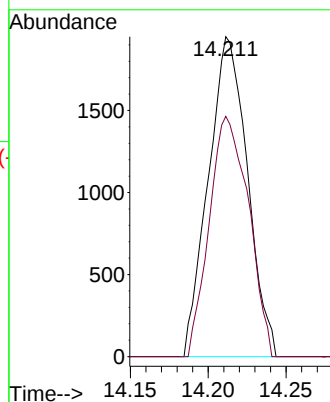
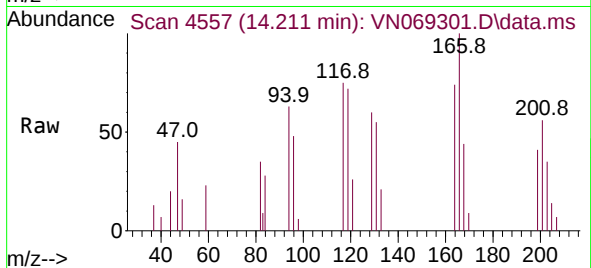
ClientSampleId :

Tgt Ion:117 Resp: 3397

Ion Ratio Lower Upper

117 100

201 75.4 37.1 111.5



#93

1,2,4-Trichlorobenzene

Concen: 2.520 ug/l

RT: 15.268 min Scan# 4951

Delta R.T. 0.003 min

Lab File: VN069301.D

Acq: 29 Oct 2021 15:13

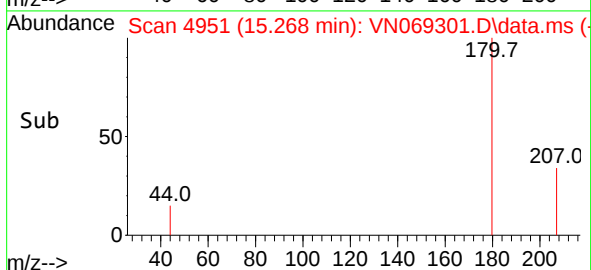
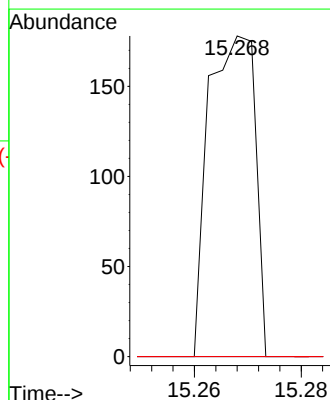
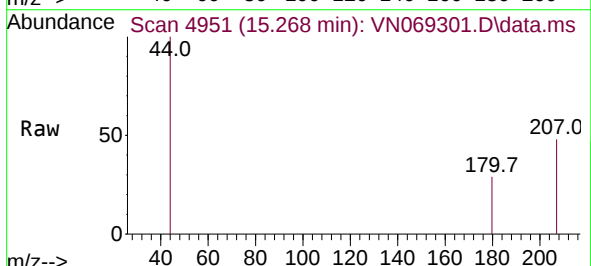
Tgt Ion:180 Resp: 107

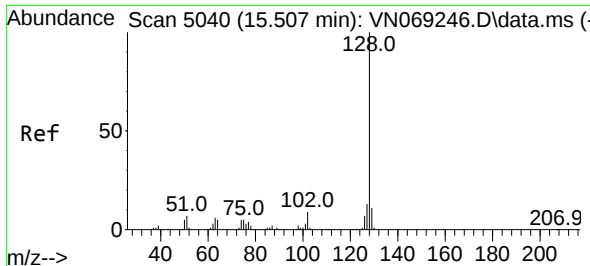
Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

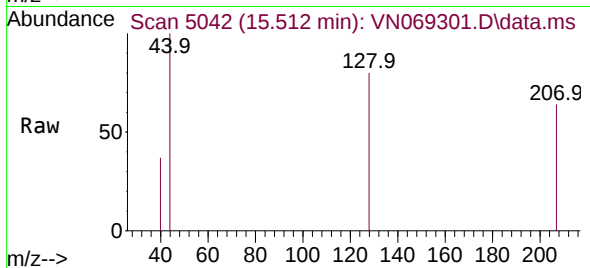
145 0.0 16.4 49.2#



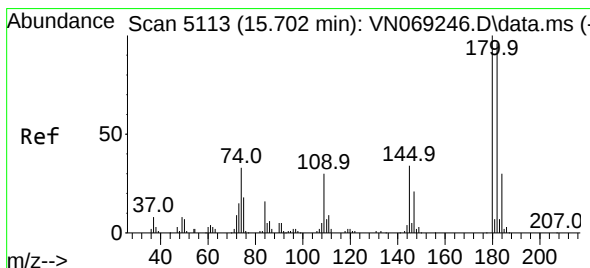
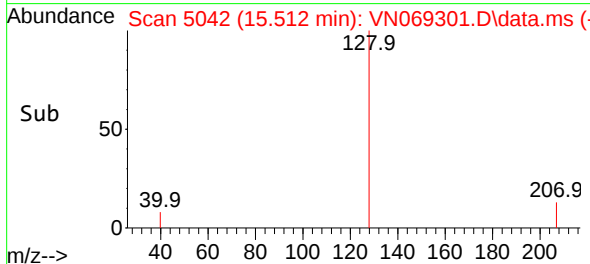
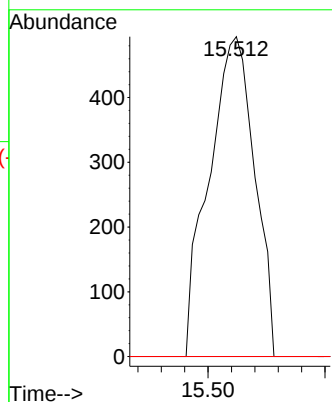


#95
Naphthalene
Concen: 3.374 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 671
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.223 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069301.D
Acq: 29 Oct 2021 15:13

Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.3#
145 0.0 17.4 52.2#

