

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069275.D
 Acq On : 29 Oct 2021 3:01
 Operator : JC/MD
 Sample : M4338-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 07:56:46 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

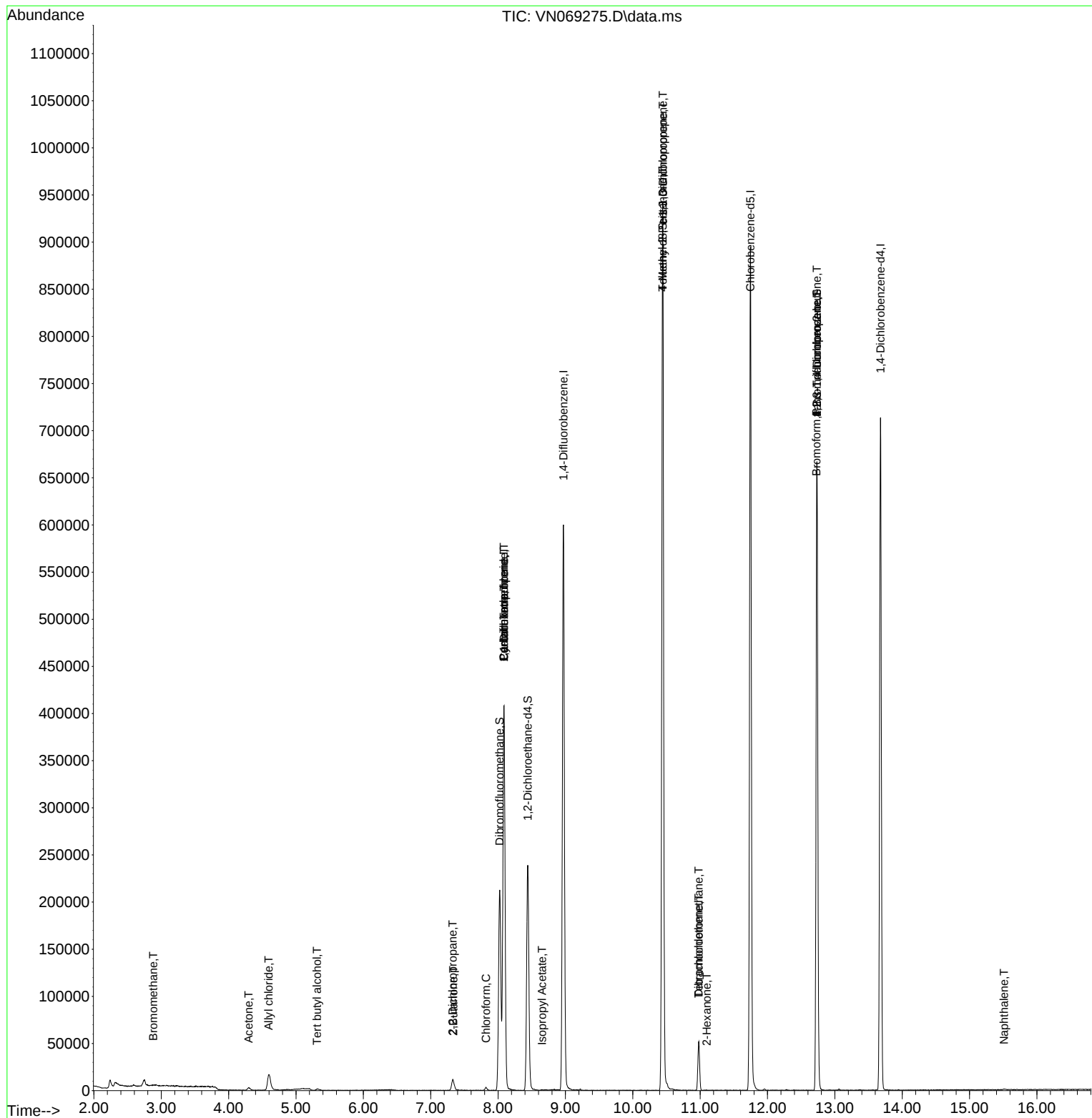
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	301983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	539150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	521024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	195117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	205900	47.233	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.460%		
35) Dibromofluoromethane	8.024	113	155795	46.355	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.720%		
50) Toluene-d8	10.443	98	672394	50.038	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.080%		
62) 4-Bromofluorobenzene	12.733	95	242453	47.814	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	681	Below Cal	#	42
5) Bromomethane	2.880	94	735	0.289	ug/l	87
11) Tert butyl alcohol	5.312	59	529	13.998	ug/l #	72
14) Allyl chloride	4.594	41	2779	0.578	ug/l #	55
16) Acetone	4.296	43	5281	2.843	ug/l	98
25) 2-Butanone	7.335	43	367	1.762	ug/l #	48
26) 2,2-Dichloropropane	7.327	77	537	0.931	ug/l #	53
30) Chloroform	7.820	83	3366	0.539	ug/l	99
31) Cyclohexane	8.088	56	7050	1.208	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	25223	5.427	ug/l #	50
38) Carbon Tetrachloride	8.088	117	32210	6.979	ug/l #	15
43) Isopropyl Acetate	8.651	43	276	0.488	ug/l #	55
51) 4-Methyl-2-Pentanone	10.443	43	3381	6.950	ug/l #	1
53) t-1,3-Dichloropropene	10.448	75	109	1.956	ug/l #	65
54) cis-1,3-Dichloropropene	10.448	75	109	1.544	ug/l #	53
59) 2-Hexanone	11.097	43	237	8.050	ug/l #	25
60) Dibromochloromethane	10.979	129	11359	4.580	ug/l #	10
64) Tetrachloroethene	10.977	164	11675	3.508	ug/l	99
71) Bromoform	12.728	173	554	3.035	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	128955	25.129	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	128955	71.952	ug/l #	12
95) Naphthalene	15.512	128	1286	3.431	ug/l #	69

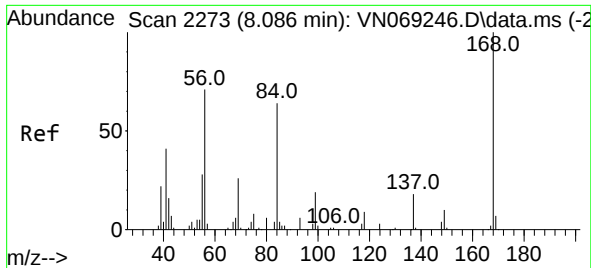
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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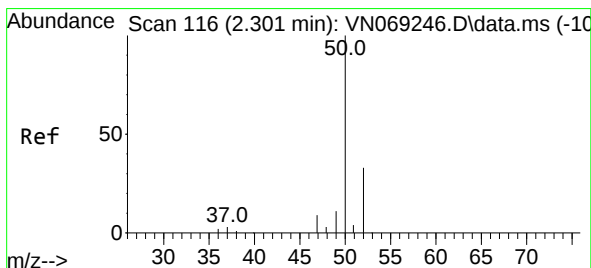
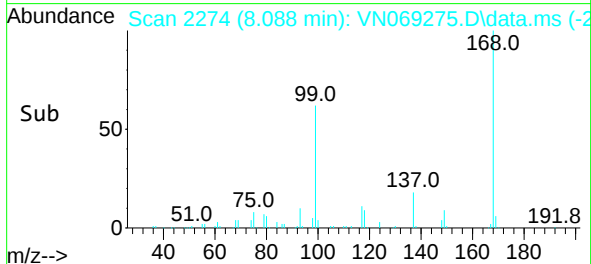
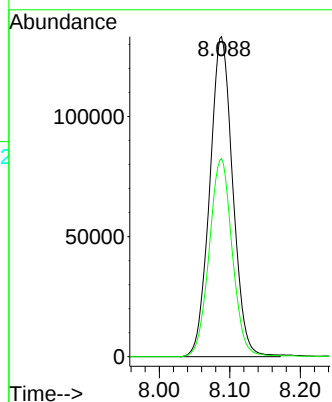
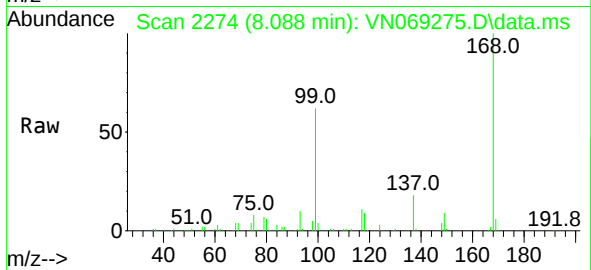




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

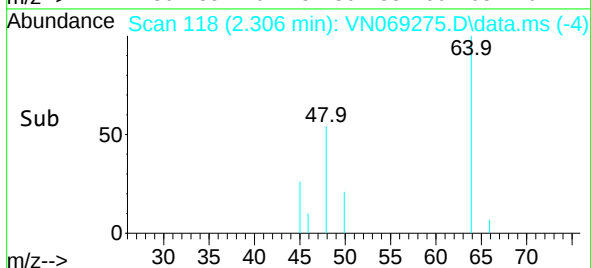
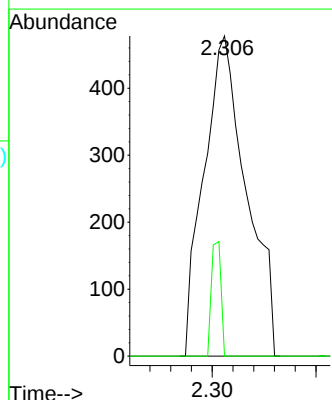
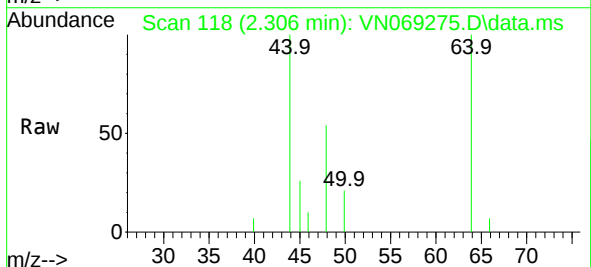
Instrument :
MSVOA_D
ClientSampled :

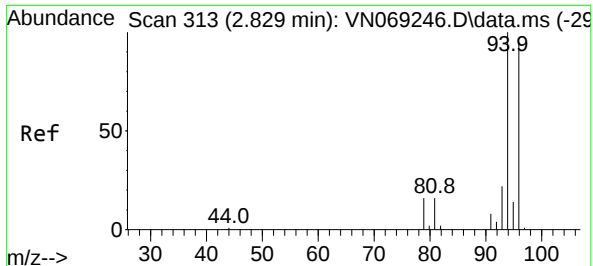
Tgt Ion:168 Resp: 301983
Ion Ratio Lower Upper
168 100
99 61.9 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 50 Resp: 681
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

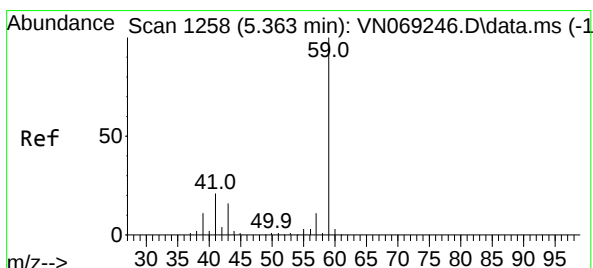
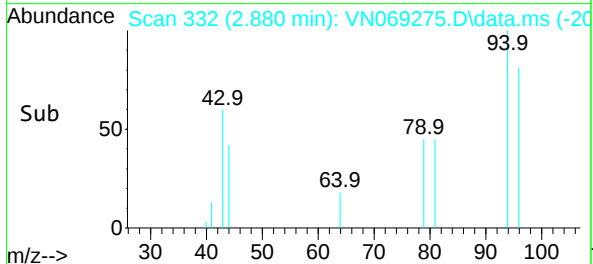
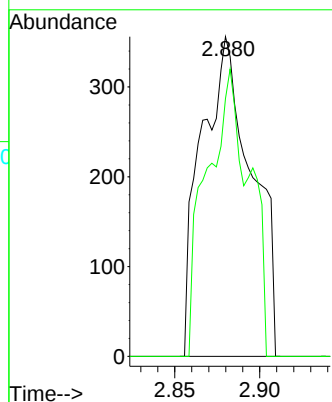
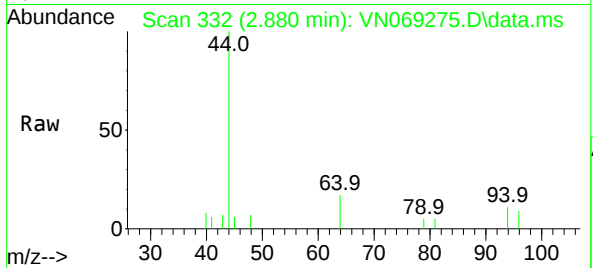




#5
Bromomethane
Concen: 0.289 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.051 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

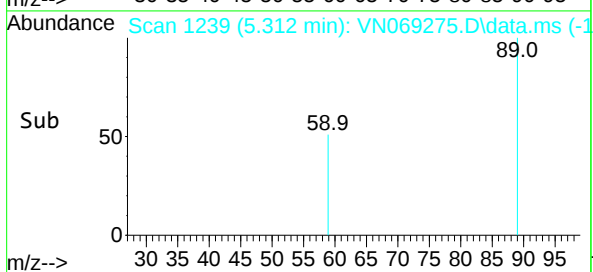
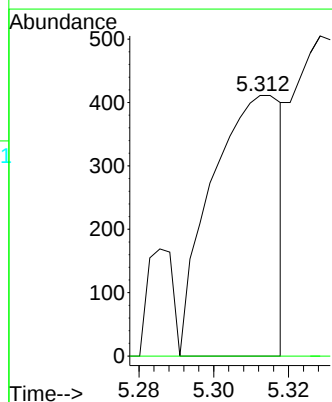
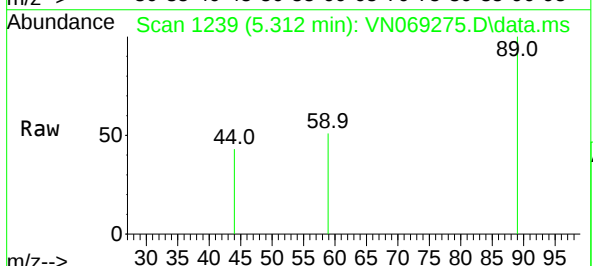
Instrument :
MSVOA_D
ClientSampled :

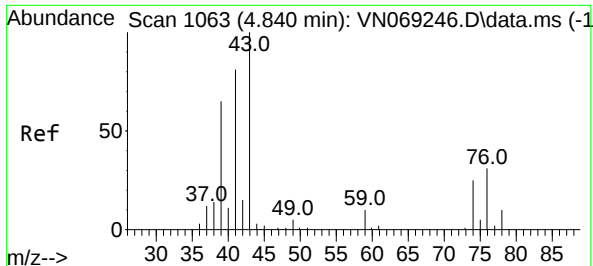
Tgt Ion: 94 Resp: 735
Ion Ratio Lower Upper
94 100
96 80.6 74.2 111.4



#11
Tert butyl alcohol
Concen: 13.998 ug/l
RT: 5.312 min Scan# 1239
Delta R.T. -0.051 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.578 ug/l

RT: 4.594 min Scan# 971

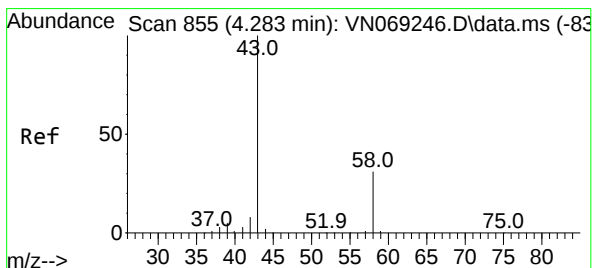
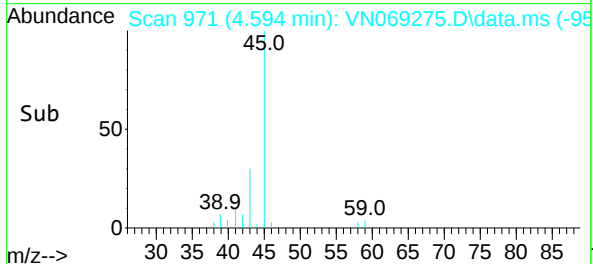
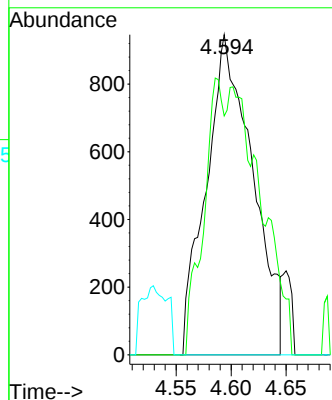
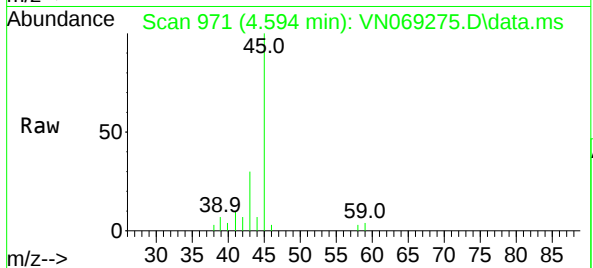
Delta R.T. -0.246 min

Lab File: VN069275.D

Acq: 29 Oct 2021 3:01

Tgt Ion: 41	Resp: 2779
Ion Ratio	Lower Upper
41 100	
39 37.8	55.6 83.4#
76 0.0	26.4 39.6#

Instrument :
MSVOA_D
ClientSampleId :



#16

Acetone

Concen: 2.843 ug/l

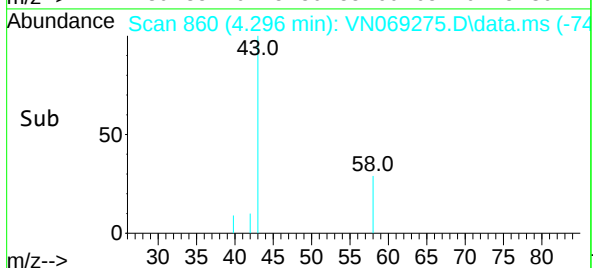
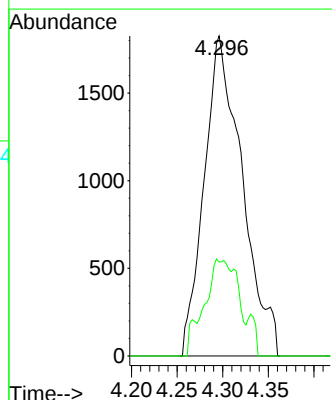
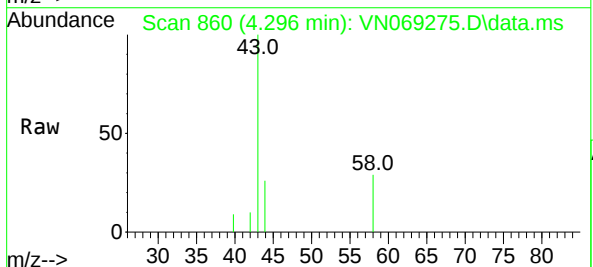
RT: 4.296 min Scan# 860

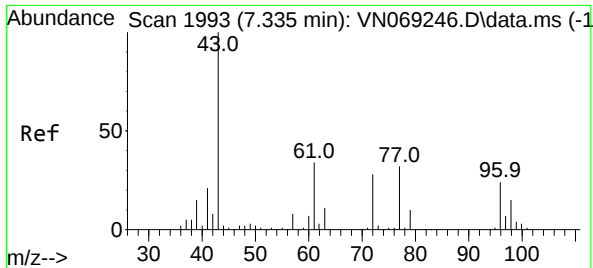
Delta R.T. 0.013 min

Lab File: VN069275.D

Acq: 29 Oct 2021 3:01

Tgt Ion: 43	Resp: 5281
Ion Ratio	Lower Upper
43 100	
58 29.4	24.5 36.7

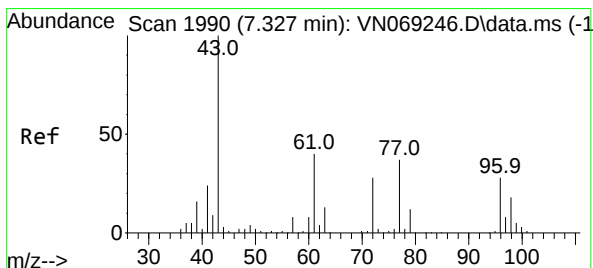
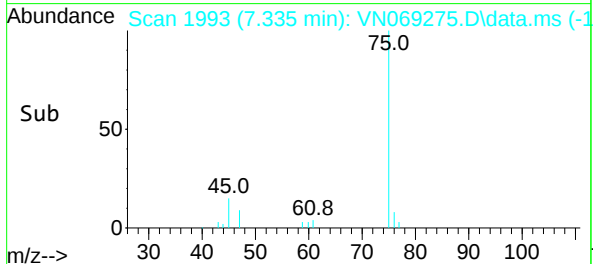
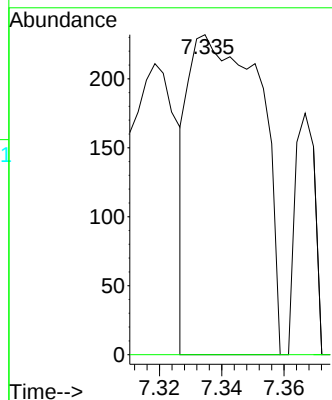
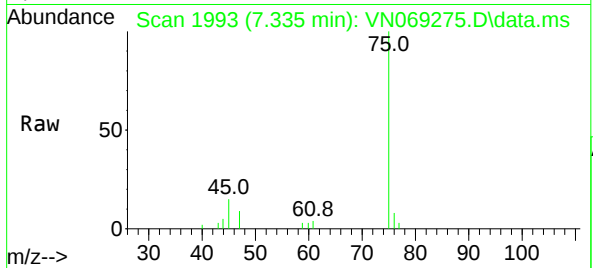




#25
2-Butanone
Concen: 1.762 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

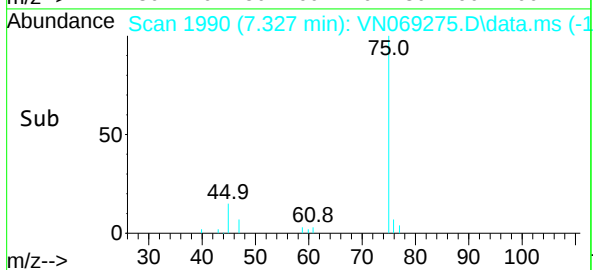
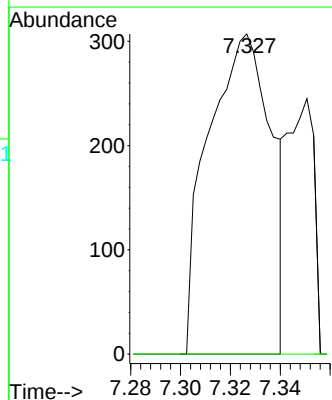
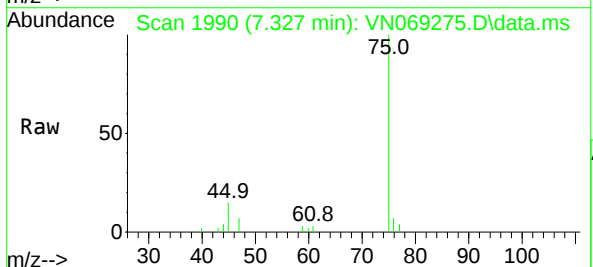
Instrument :
MSVOA_D
ClientSampled :

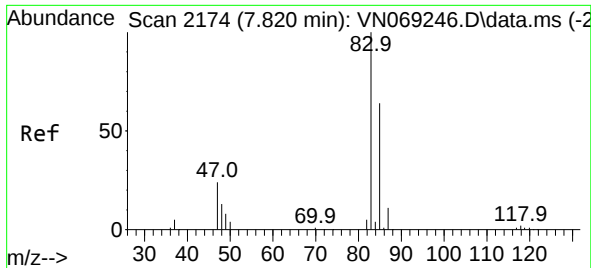
Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#26
2,2-Dichloropropane
Concen: 0.931 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 77 Resp: 537
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

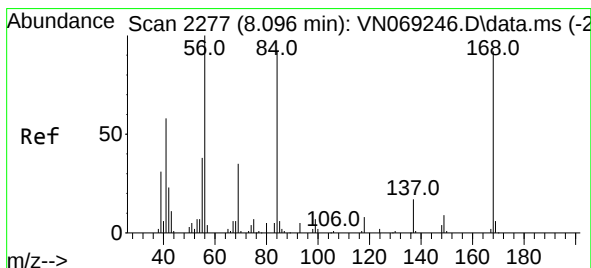
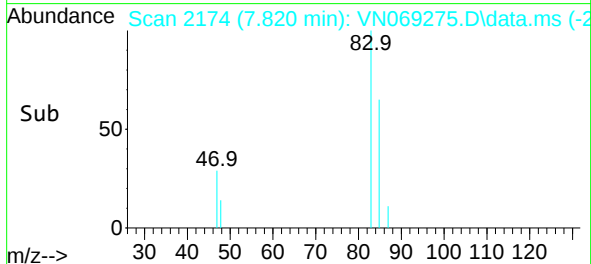
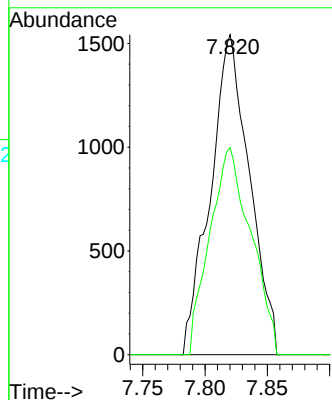
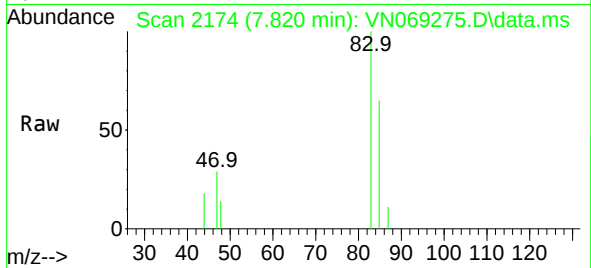




#30
Chloroform
Concen: 0.539 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

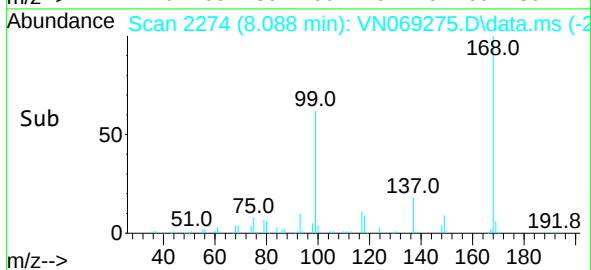
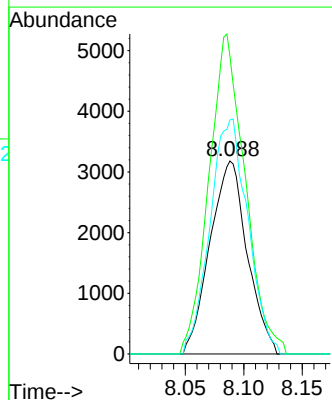
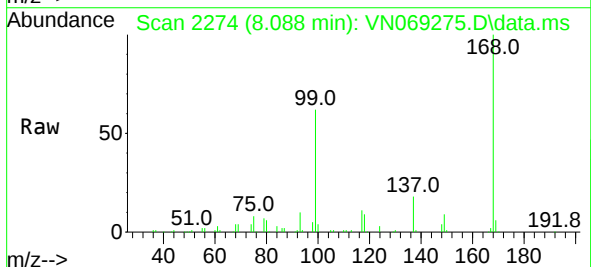
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ClientSampled :

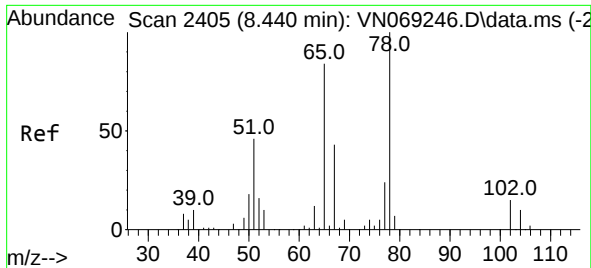
Tgt Ion: 83 Resp: 3366
Ion Ratio Lower Upper
83 100
85 64.7 51.1 76.7



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 56 Resp: 7050
Ion Ratio Lower Upper
56 100
69 154.2 26.9 40.3#
84 121.3 67.6 101.4#

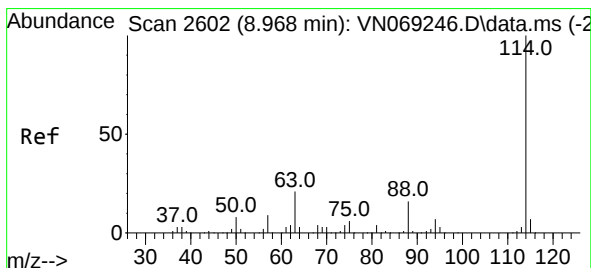
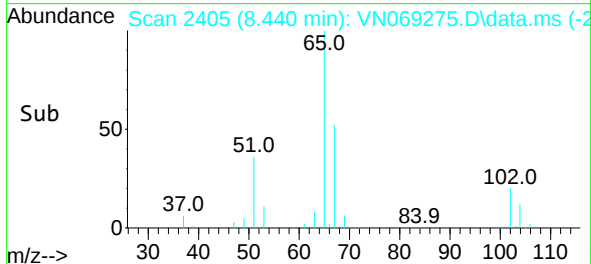
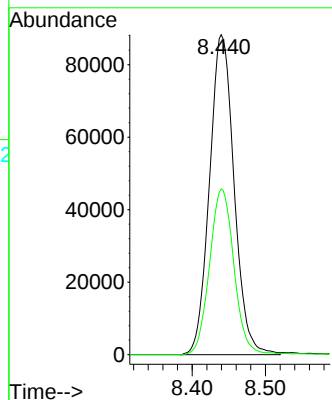
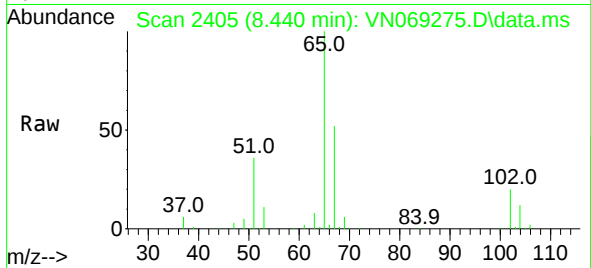




#33
 1,2-Dichloroethane-d4
 Concen: 47.233 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069275.D
 Acq: 29 Oct 2021 3:01

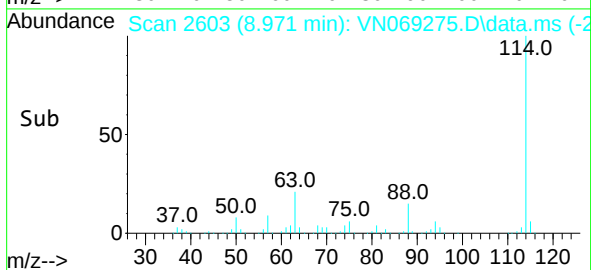
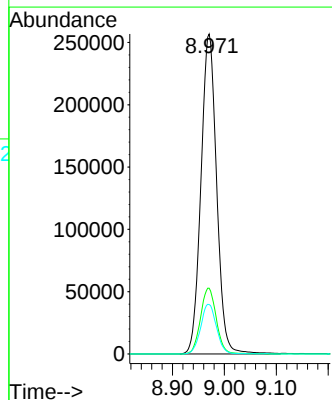
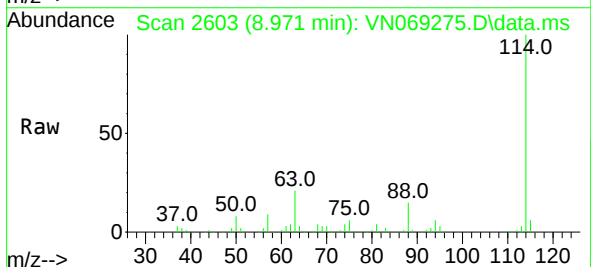
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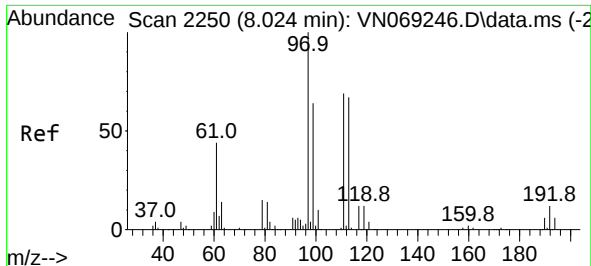
Tgt Ion: 65 Resp: 205900
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069275.D
 Acq: 29 Oct 2021 3:01

Tgt Ion: 114 Resp: 539150
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.4 0.0 32.0

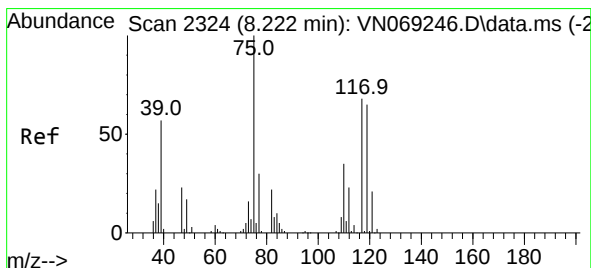
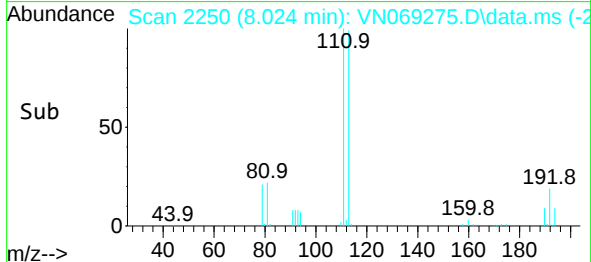
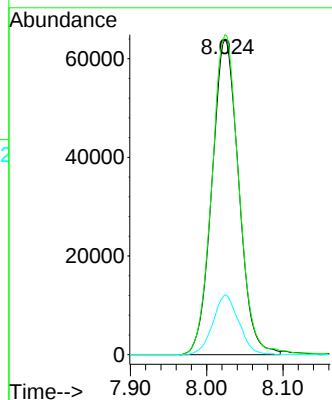
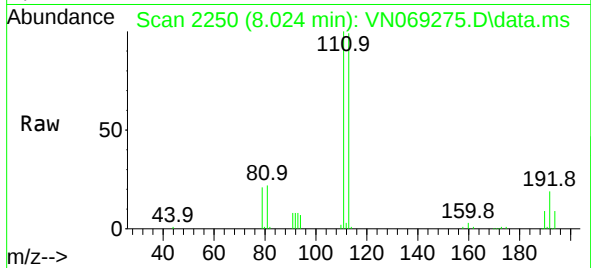




#35
Dibromofluoromethane
Concen: 46.355 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

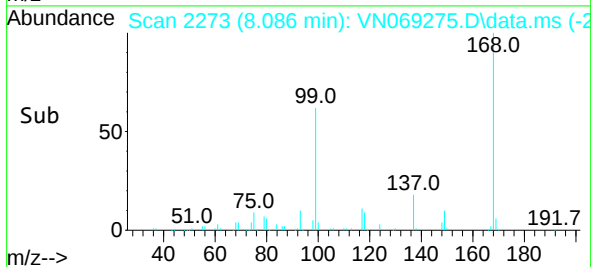
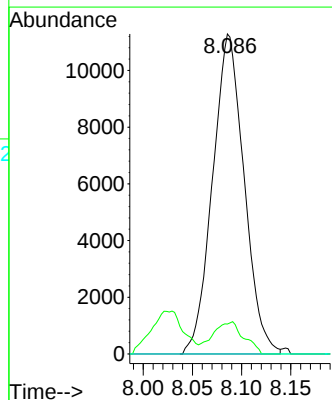
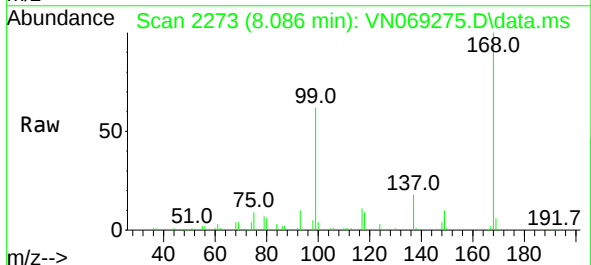
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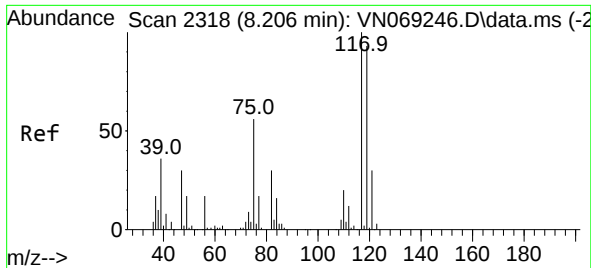
Tgt Ion:113 Resp: 155795
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 18.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.427 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

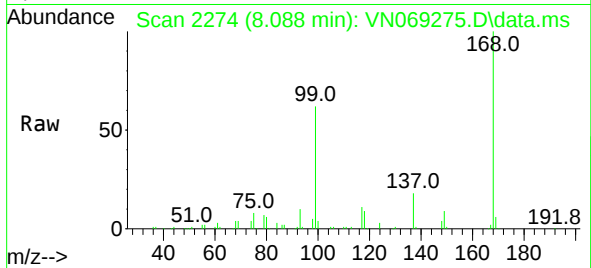
Tgt Ion: 75 Resp: 25223
Ion Ratio Lower Upper
75 100
110 10.0 17.9 53.8#
77 0.0 24.7 37.1#



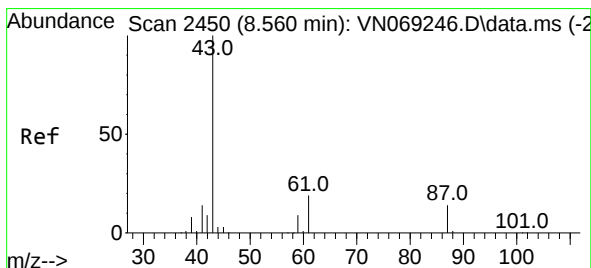
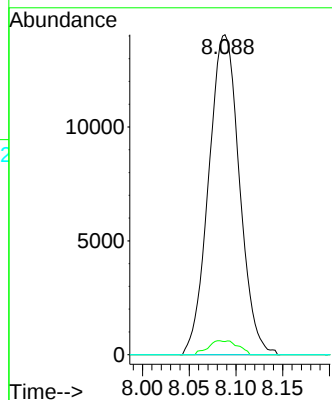
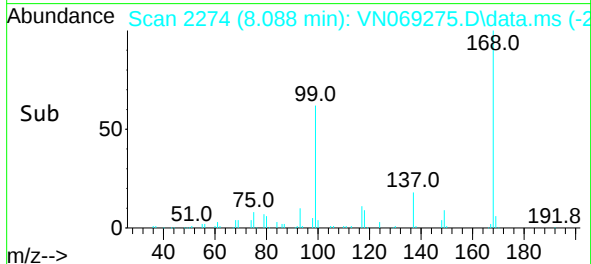


#38
Carbon Tetrachloride
Concen: 6.979 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

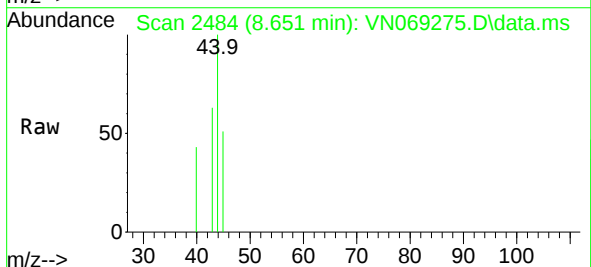
Instrument :
MSVOA_D
ClientSampleId :



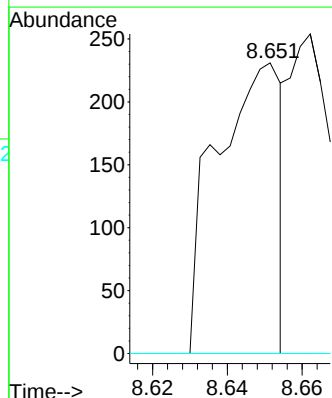
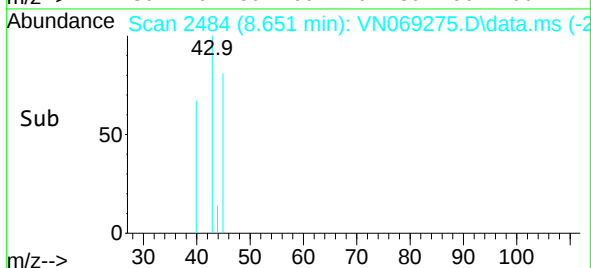
Tgt Ion:117 Resp: 32210
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.6 37.0#

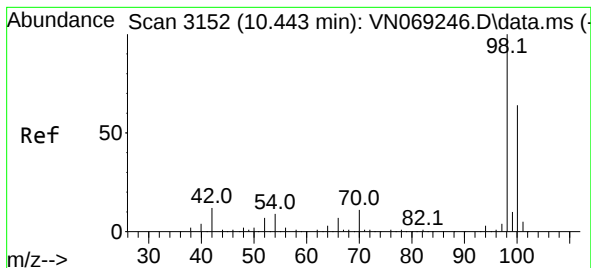


#43
Isopropyl Acetate
Concen: 0.488 ug/l
RT: 8.651 min Scan# 2484
Delta R.T. 0.091 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01



Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

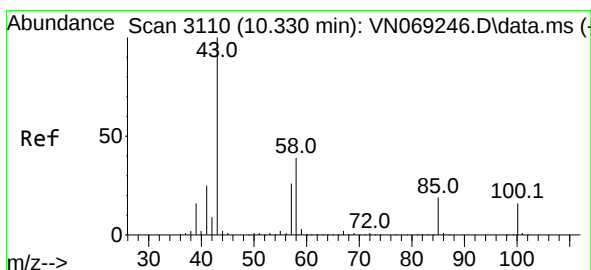
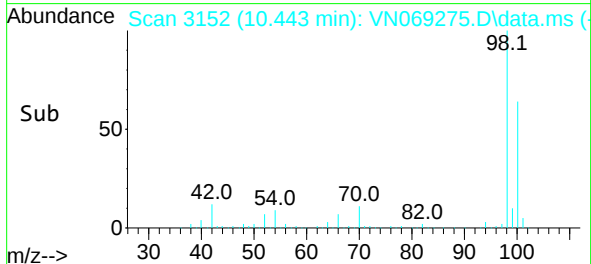
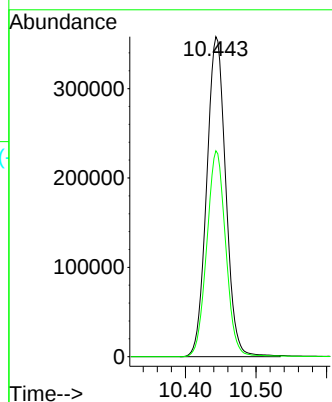
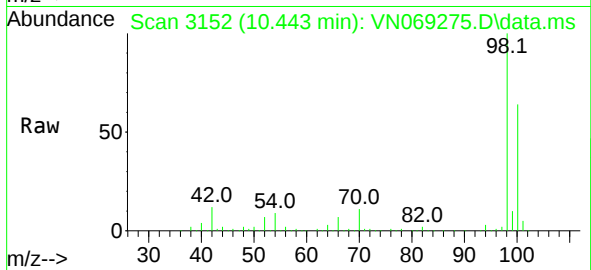




#50
Toluene-d8
Concen: 50.038 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

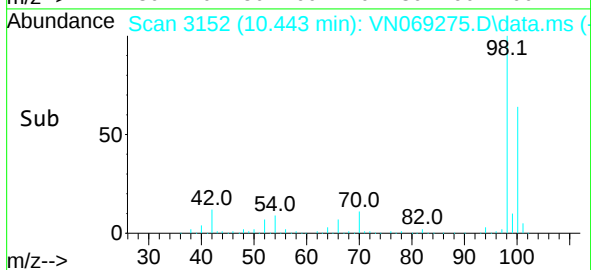
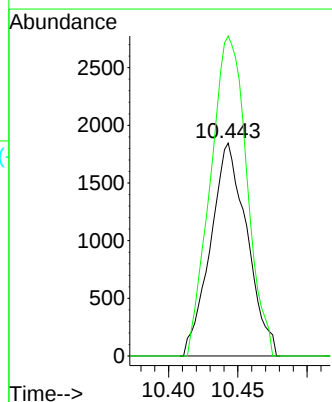
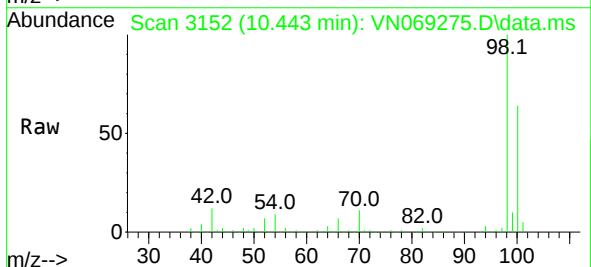
Instrument :
MSVOA_D
ClientSampleId :

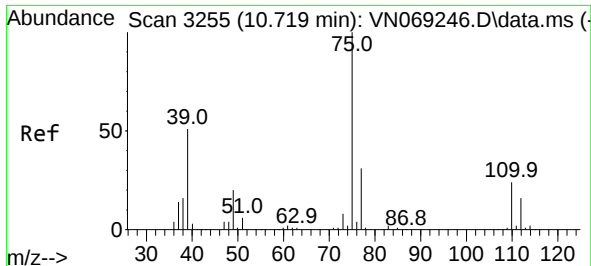
Tgt Ion: 98 Resp: 672394
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.950 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.113 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 43 Resp: 3381
Ion Ratio Lower Upper
43 100
58 149.9 31.0 46.4#

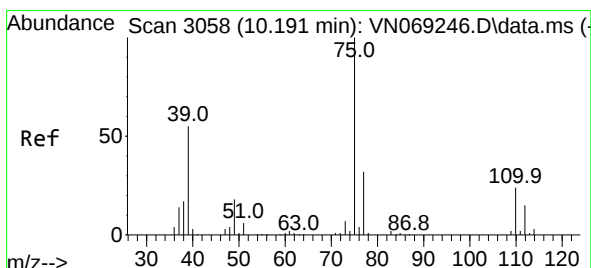
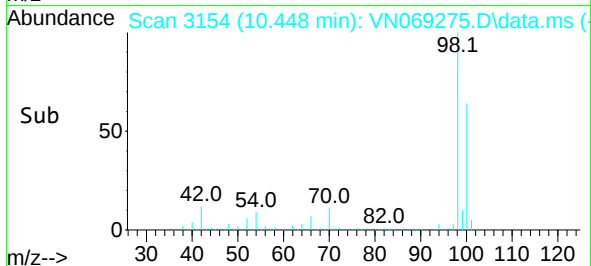
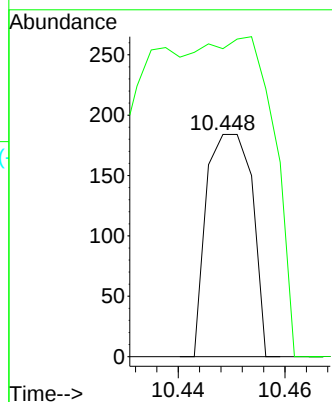
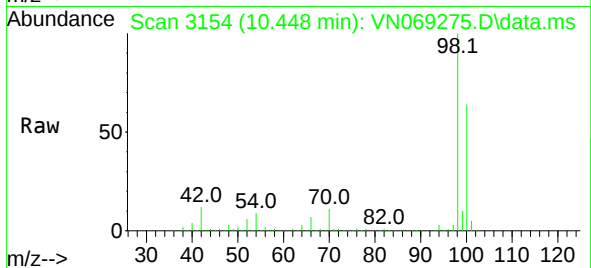




#53
t-1,3-Dichloropropene
Concen: 1.956 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.271 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

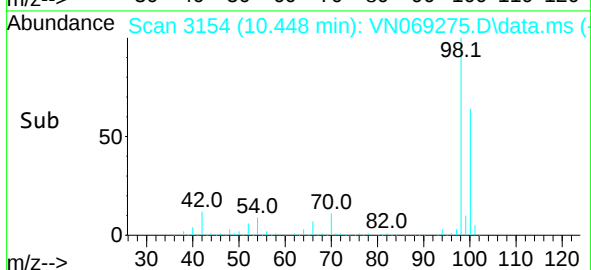
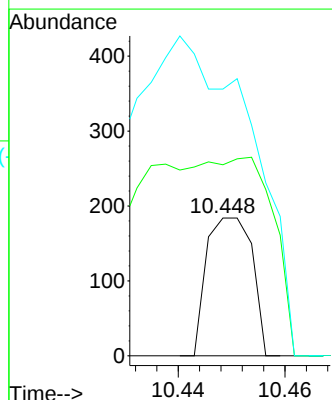
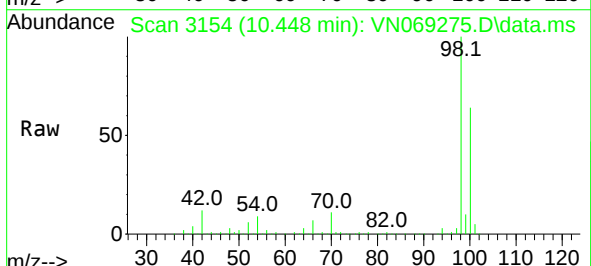
Instrument :
MSVOA_D
ClientSampled :

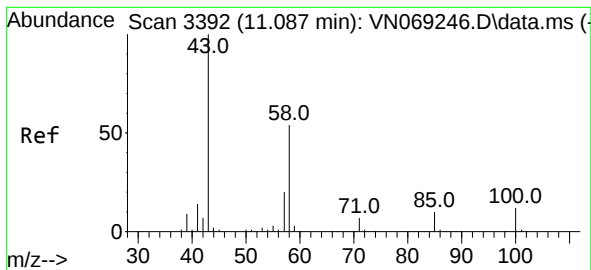
Tgt Ion: 75 Resp: 109
Ion Ratio Lower Upper
75 100
77 51.1 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 1.544 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.257 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 75 Resp: 109
Ion Ratio Lower Upper
75 100
77 51.1 25.6 38.4#
39 92.4 42.9 64.3#

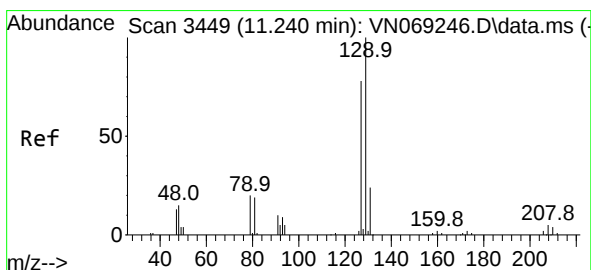
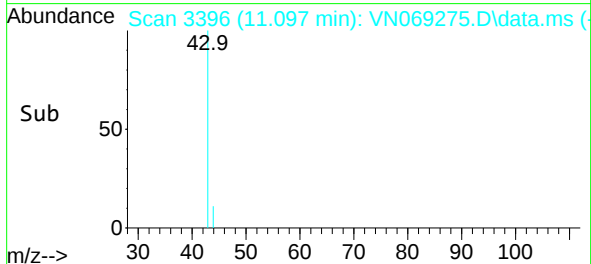
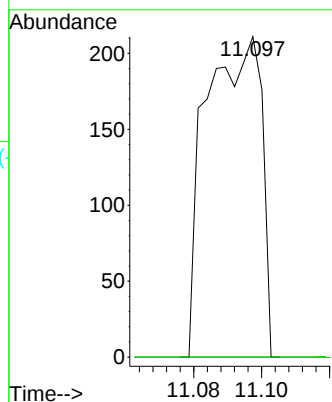
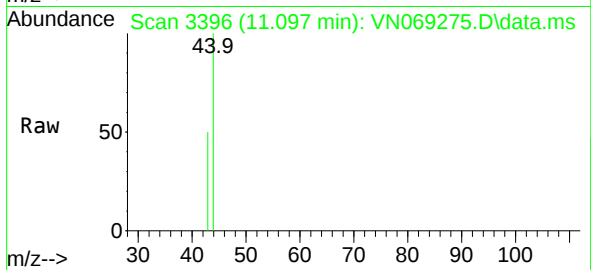




#59
2-Hexanone
Concen: 8.050 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

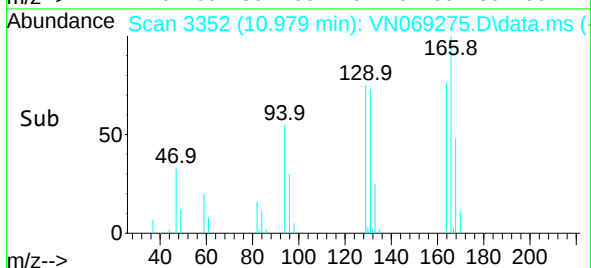
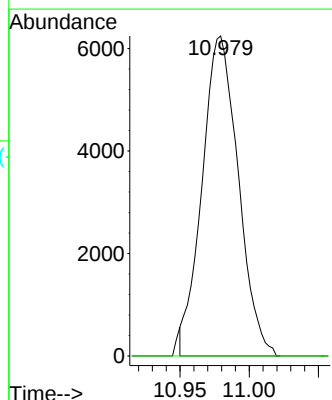
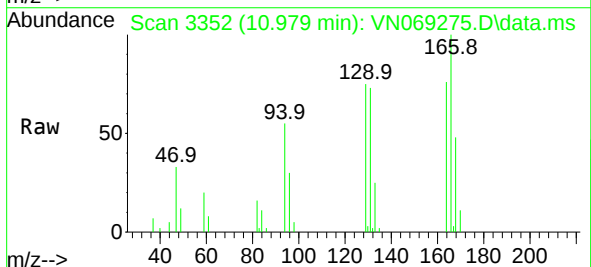
Instrument :
MSVOA_D
ClientSampled :

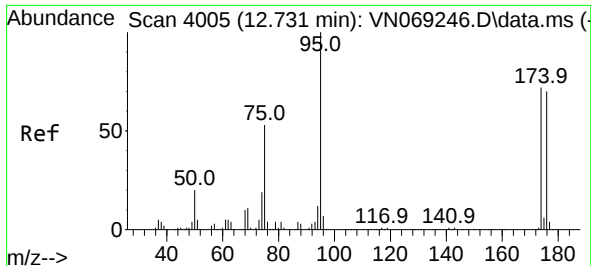
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#



#60
Dibromochloromethane
Concen: 4.580 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 129 Resp: 11359
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

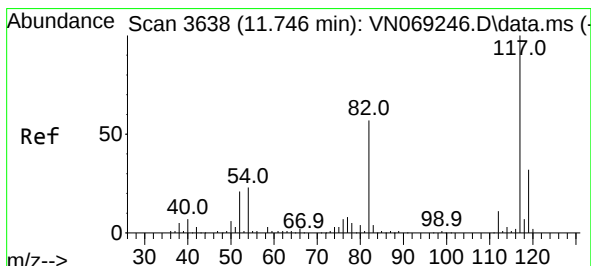
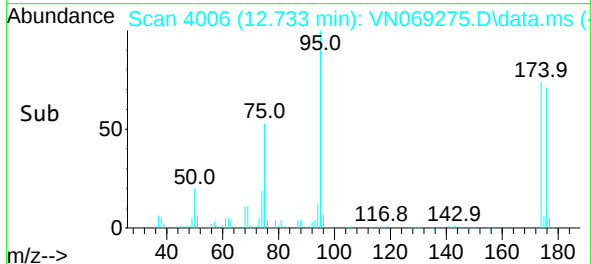
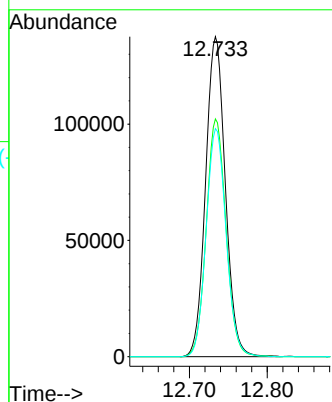
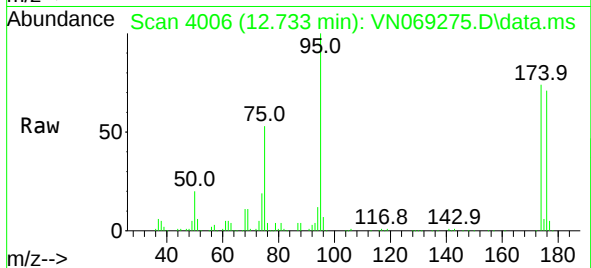




#62
4-Bromofluorobenzene
Concen: 47.814 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

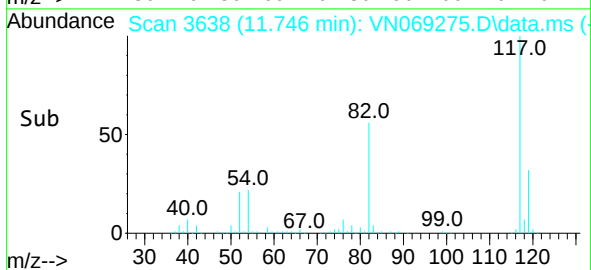
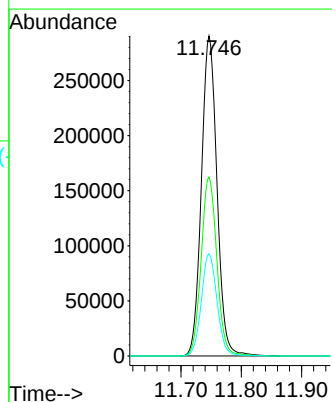
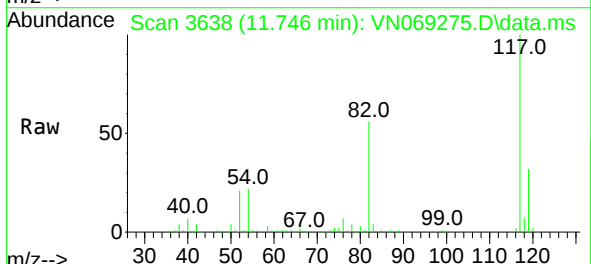
Instrument :
MSVOA_D
ClientSampleId :

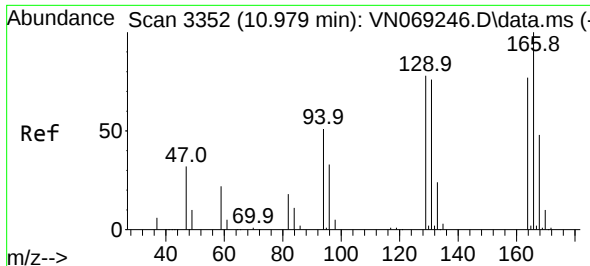
Tgt Ion: 95 Resp: 242453
Ion Ratio Lower Upper
95 100
174 74.4 0.0 144.8
176 72.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 117 Resp: 521024
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 31.9 26.0 39.0

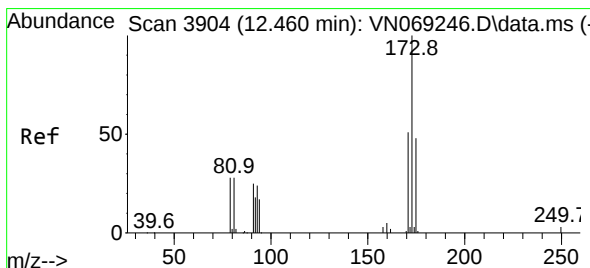
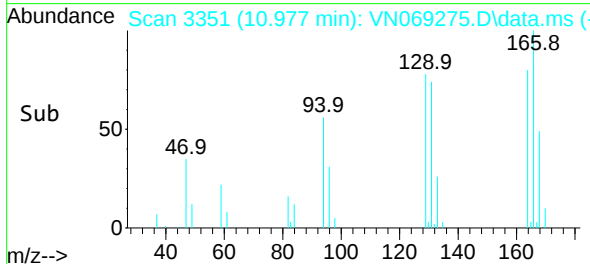
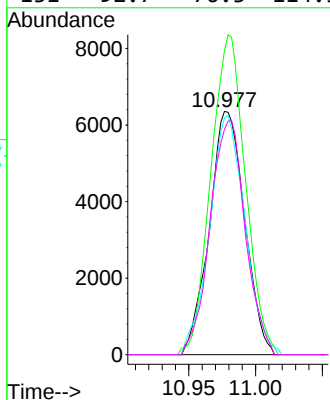
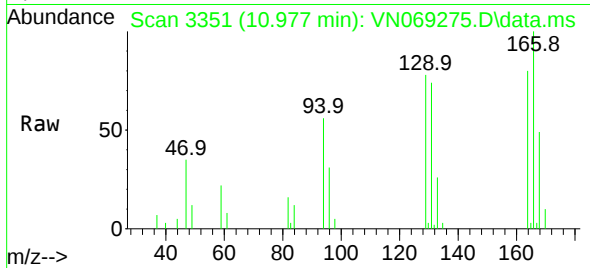




#64
Tetrachloroethene
Concen: 3.508 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

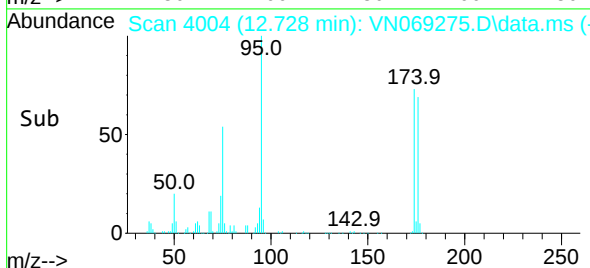
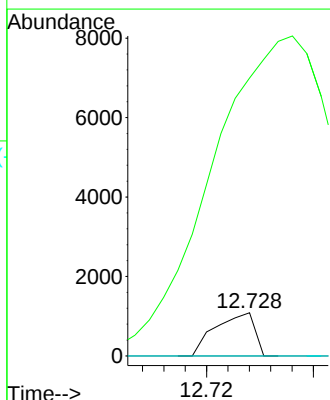
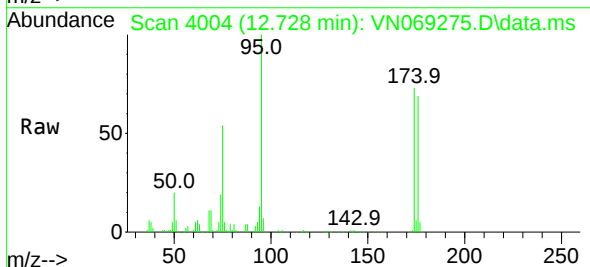
Instrument :
MSVOA_D
ClientSampleId :

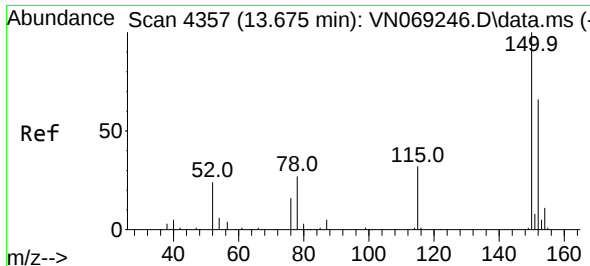
Tgt Ion:164 Resp: 11675
Ion Ratio Lower Upper
164 100
166 125.0 99.8 149.8
129 97.3 79.2 118.8
131 92.7 76.3 114.5



#71
Bromoform
Concen: 3.035 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion:173 Resp: 554
Ion Ratio Lower Upper
173 100
175 2367.7 23.8 71.5#
254 0.0 0.0 0.0

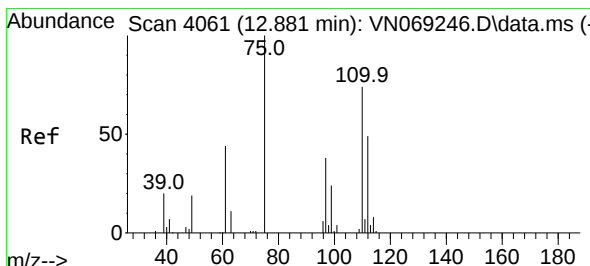
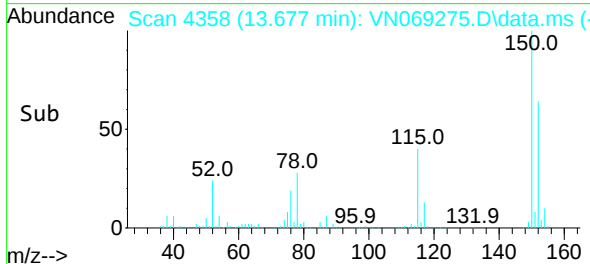
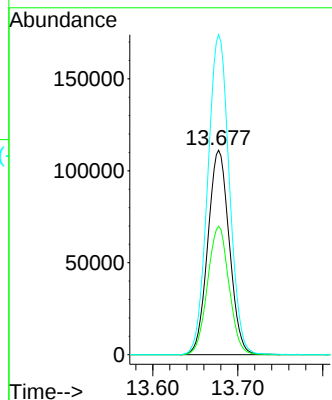
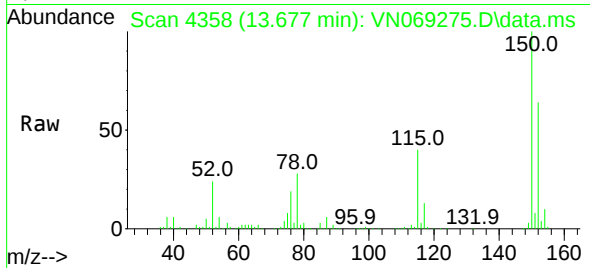




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN069275.D
 Acq: 29 Oct 2021 3:01

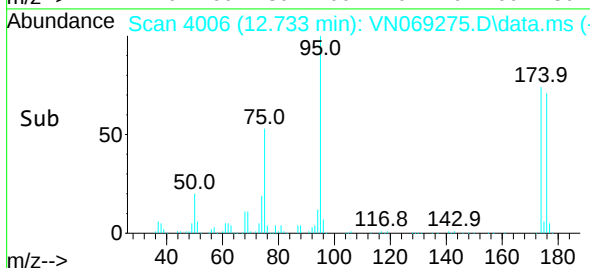
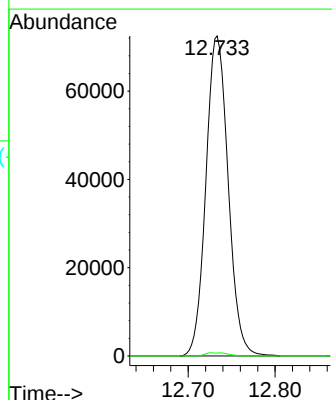
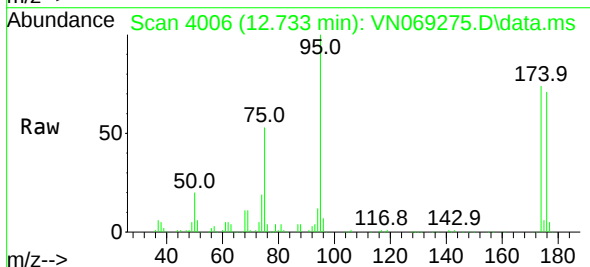
Instrument :
 MSVOA_D
 ClientSampleId :

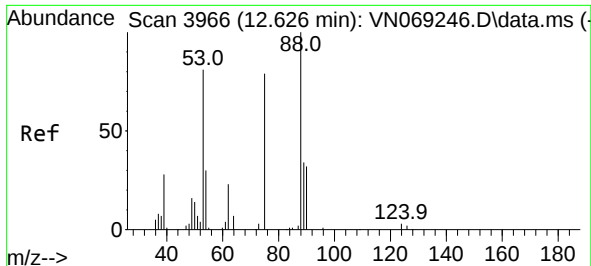
Tgt Ion:152 Resp: 195117
 Ion Ratio Lower Upper
 152 100
 115 62.7 31.4 94.3
 150 157.4 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.129 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069275.D
 Acq: 29 Oct 2021 3:01

Tgt Ion: 75 Resp: 128955
 Ion Ratio Lower Upper
 75 100
 77 0.5 96.2 288.4#

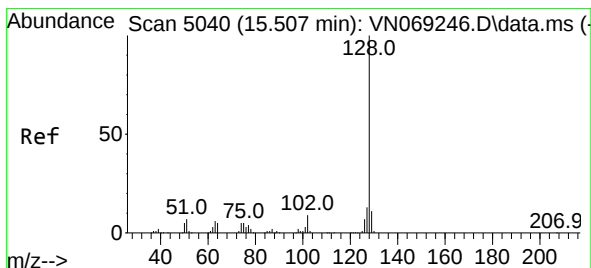
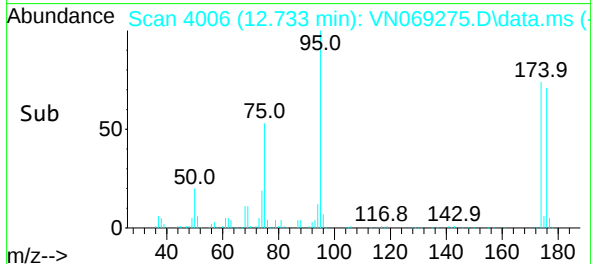
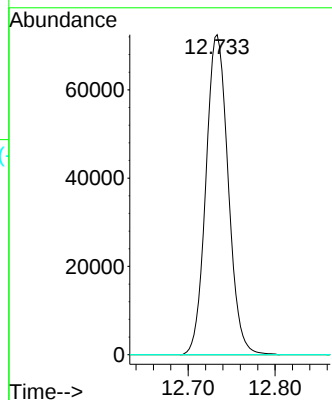
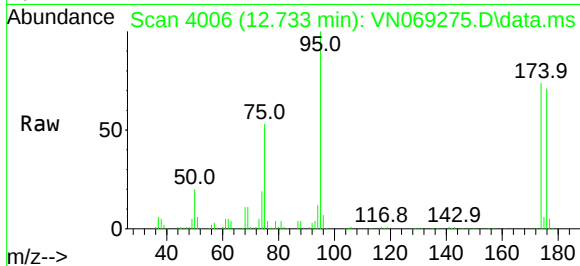




#81
trans-1,4-Dichloro-2-butene
Concen: 71.952 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 128955
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.431 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069275.D
Acq: 29 Oct 2021 3:01

Tgt Ion: 128 Resp: 1286
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

