

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069314.D
 Acq On : 29 Oct 2021 20:47
 Operator : JC/MD
 Sample : M4390-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:47:07 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)

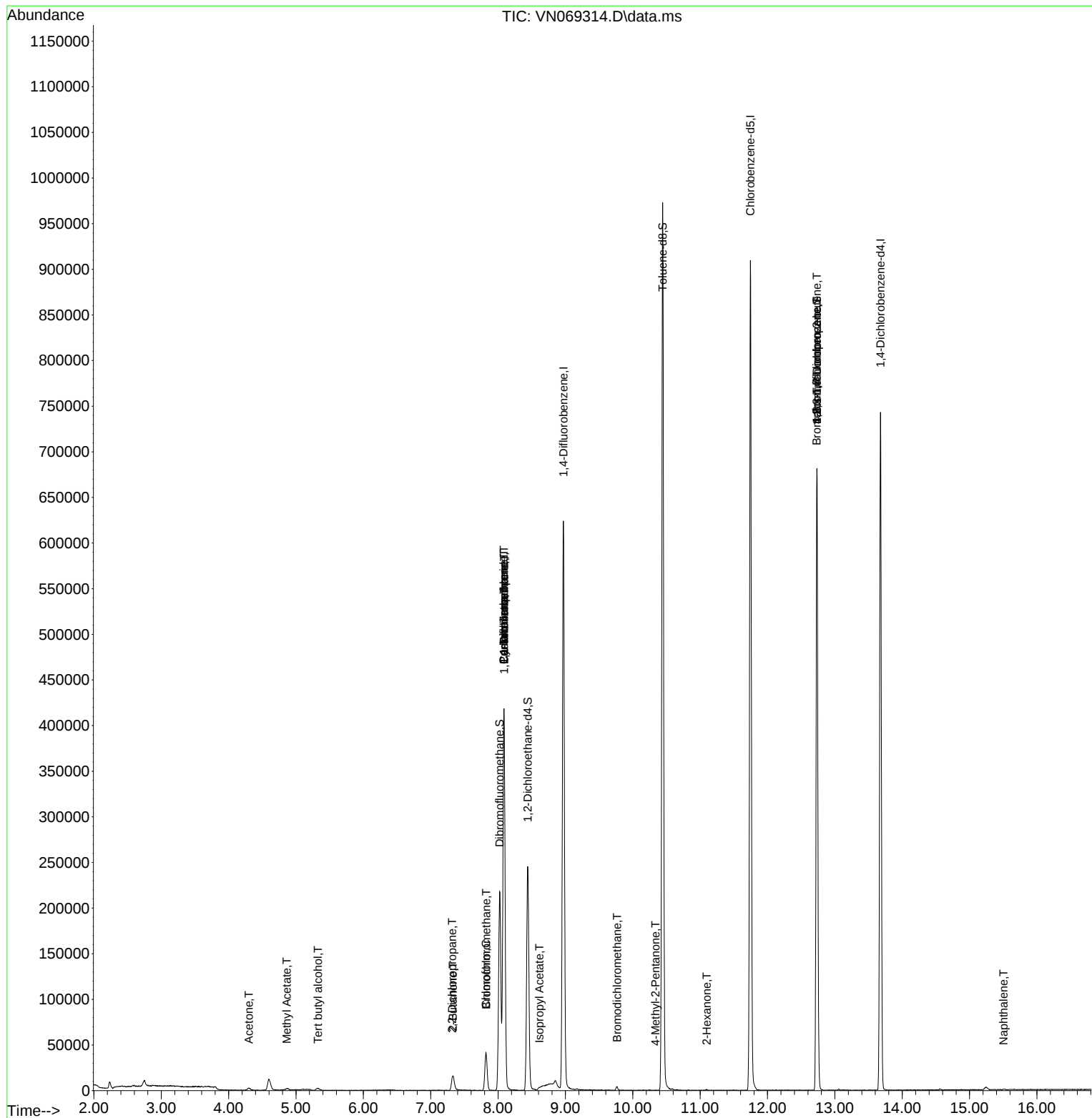
Internal Standards						
1) Pentafluorobenzene	8.088	168	310152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	553350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	533602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	199423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	213748	47.742	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.480%		
35) Dibromofluoromethane	8.024	113	158454	45.937	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.880%		
50) Toluene-d8	10.443	98	690072	50.035	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.080%		
62) 4-Bromofluorobenzene	12.733	95	247285	47.515	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.040%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	313	Below Cal	#	42
11) Tert butyl alcohol	5.326	59	2419	16.037	ug/l #	72
16) Acetone	4.299	43	2868	1.504	ug/l	100
18) Methyl Acetate	4.862	43	1988	0.307	ug/l #	82
25) 2-Butanone	7.329	43	759	1.892	ug/l #	48
26) 2,2-Dichloropropane	7.319	77	932	0.996	ug/l #	53
28) Bromochloromethane	7.823	49	3337	1.129	ug/l #	14
30) Chloroform	7.820	83	40342	6.292	ug/l	96
31) Cyclohexane	8.088	56	7443	1.242	ug/l #	3
32) 1,1,1-Trichloroethane	8.091	97	27	0.879	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	25983	5.447	ug/l #	50
38) Carbon Tetrachloride	8.088	117	32805	6.934	ug/l #	16
43) Isopropyl Acetate	8.614	43	1837	0.651	ug/l #	55
47) Bromodichloromethane	9.767	83	2917	1.619	ug/l #	96
51) 4-Methyl-2-Pentanone	10.339	43	113	6.420	ug/l #	36
59) 2-Hexanone	11.100	43	424	8.087	ug/l #	25
71) Bromoform	12.731	173	1032	3.167	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	130592	24.898	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	130592	71.330	ug/l #	12
95) Naphthalene	15.504	128	947	3.396	ug/l #	69

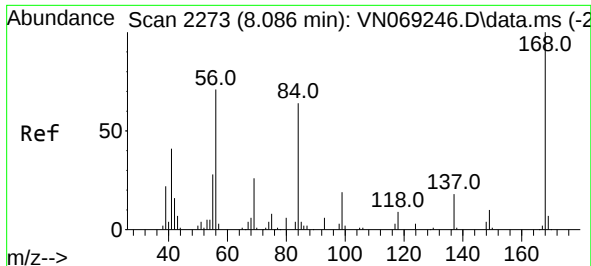
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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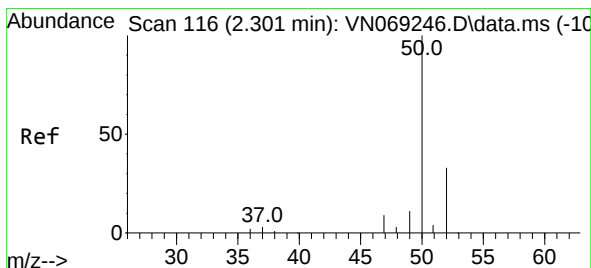
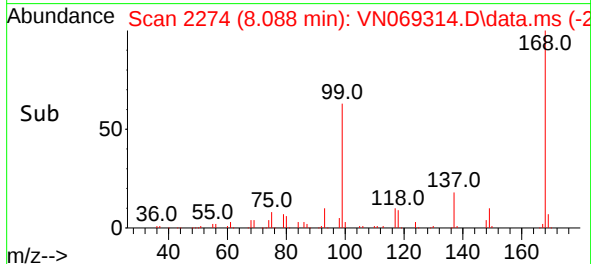
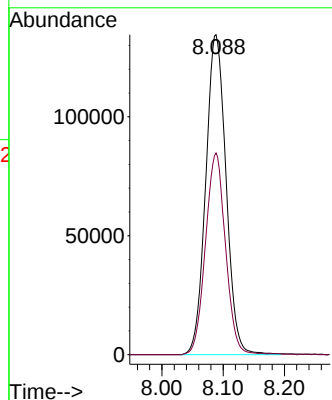
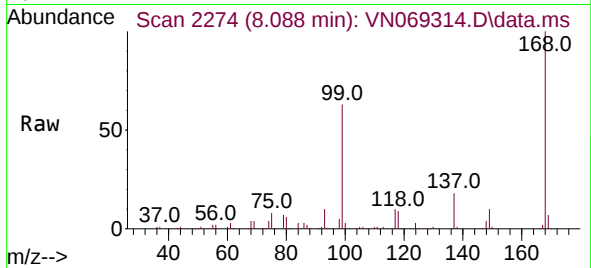




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

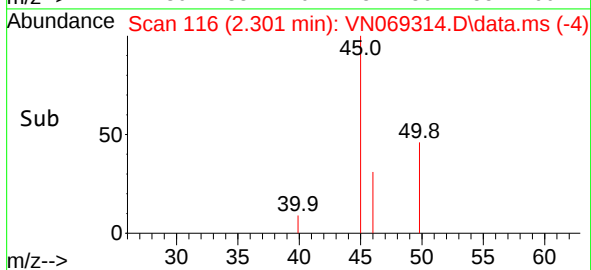
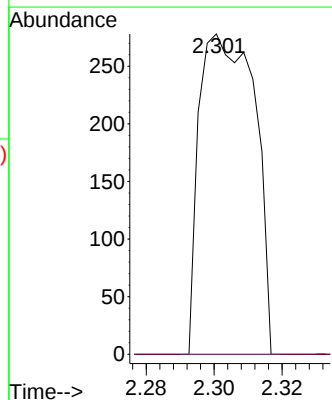
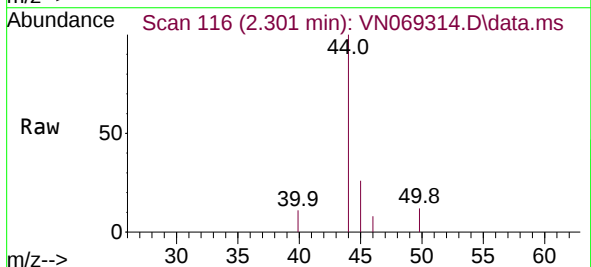
Instrument :
MSVOA_N
ClientSampleId :

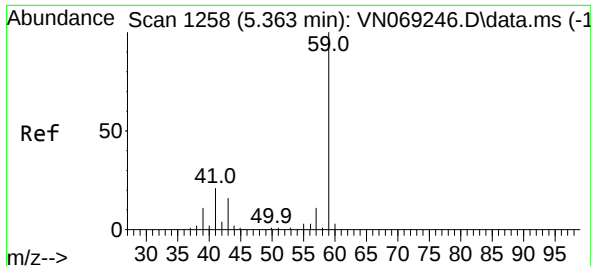
Tgt Ion:168 Resp: 310152
Ion Ratio Lower Upper
168 100
99 63.0 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

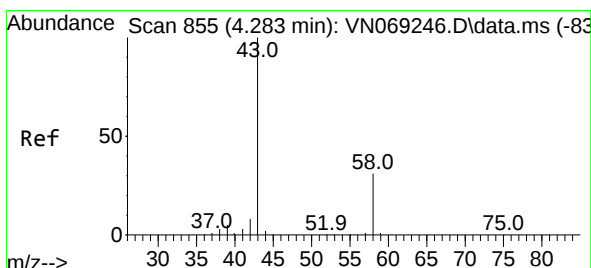
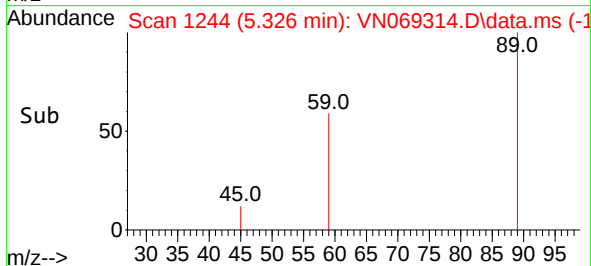
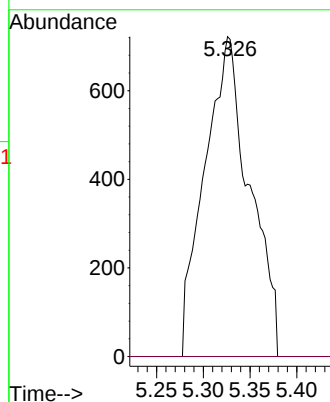
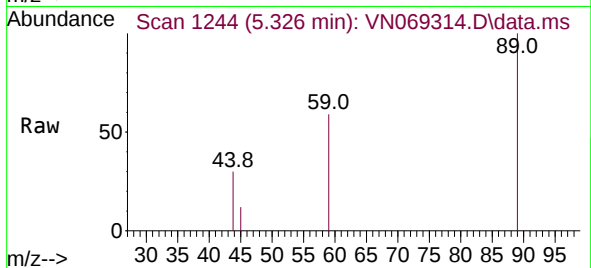




#11
Tert butyl alcohol
Concen: 16.037 ug/l
RT: 5.326 min Scan# 11
Delta R.T. -0.037 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

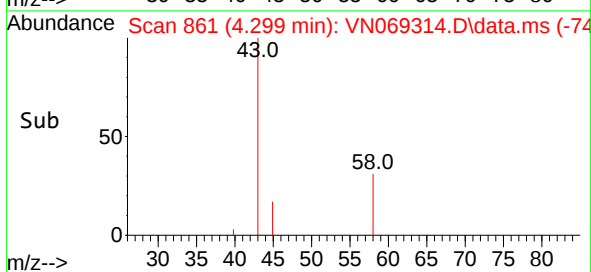
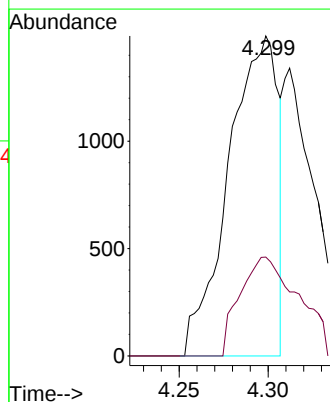
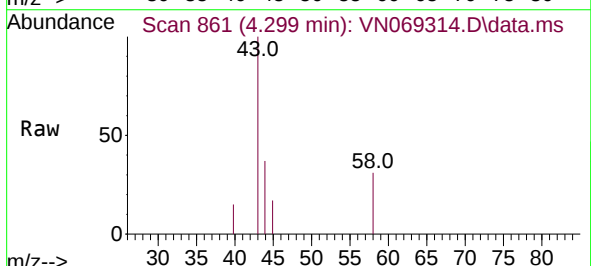
Instrument :
MSVOA_N
ClientSampleId :

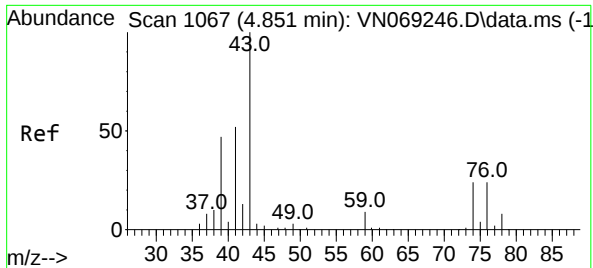
Tgt Ion: 59 Resp: 2419
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.504 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion: 43 Resp: 2868
Ion Ratio Lower Upper
43 100
58 30.9 24.5 36.7

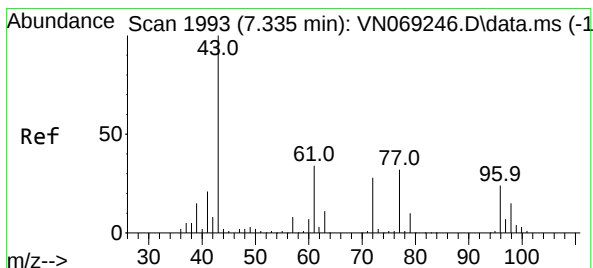
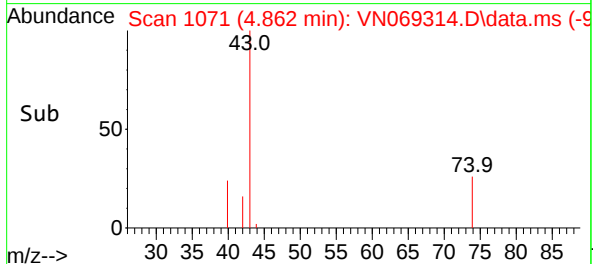
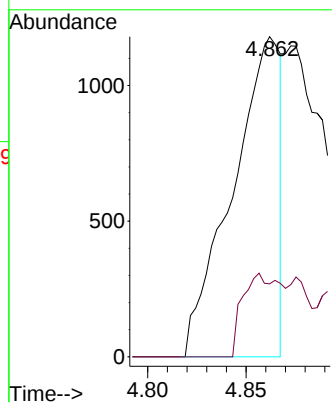
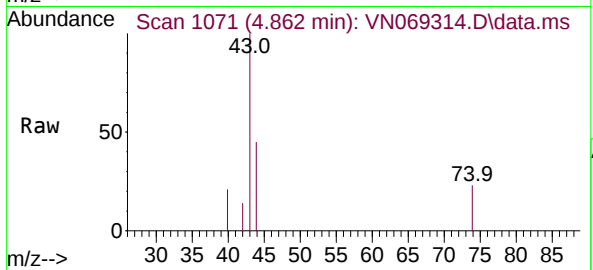




#18
Methyl Acetate
Concen: 0.307 ug/l
RT: 4.862 min Scan# 1067
Delta R.T. 0.011 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

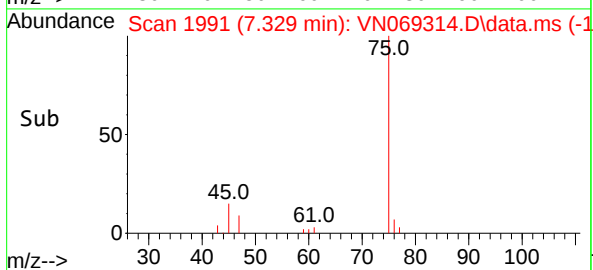
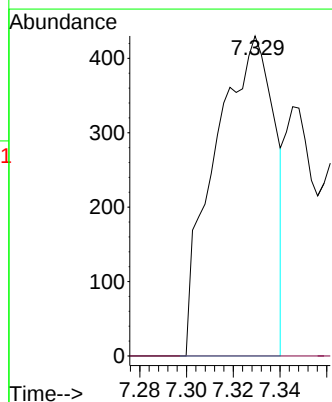
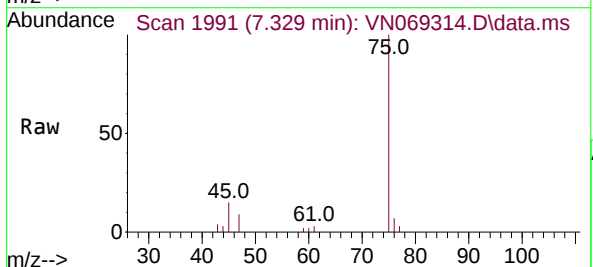
Instrument :
MSVOA_N
ClientSampleId :

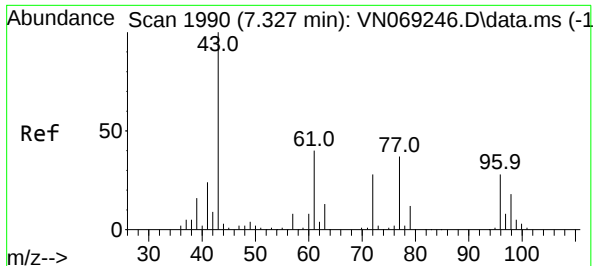
Tgt Ion: 43 Resp: 1988
Ion Ratio Lower Upper
43 100
74 14.6 18.9 28.3#



#25
2-Butanone
Concen: 1.892 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. -0.006 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#26

2,2-Dichloropropane

Concen: 0.996 ug/l

RT: 7.319 min Scan# 1990

Delta R.T. -0.008 min

Lab File: VN069314.D

Acq: 29 Oct 2021 20:47

Instrument :

MSVOA_N

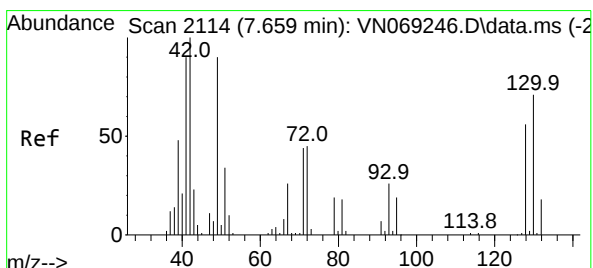
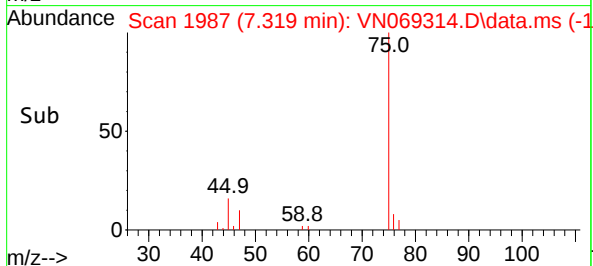
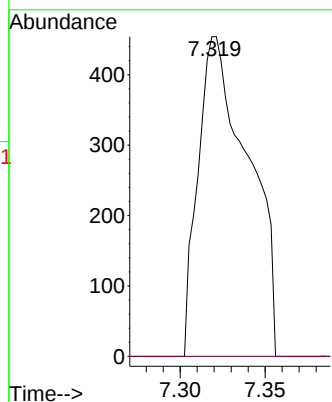
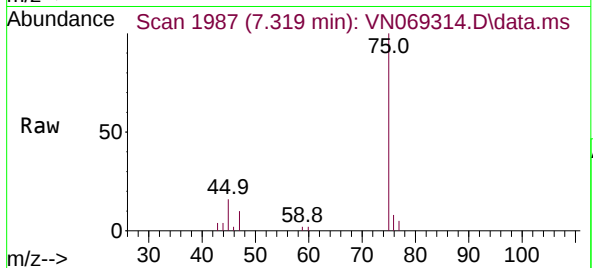
ClientSampleId :

Tgt Ion: 77 Resp: 932

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



#28

Bromochloromethane

Concen: 1.129 ug/l

RT: 7.823 min Scan# 2175

Delta R.T. 0.164 min

Lab File: VN069314.D

Acq: 29 Oct 2021 20:47

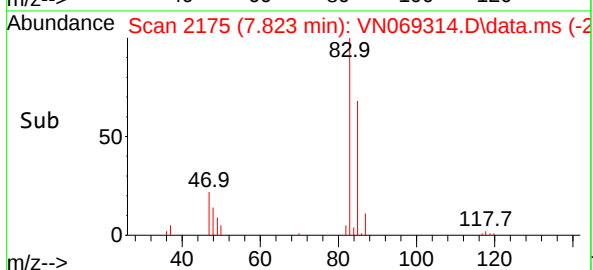
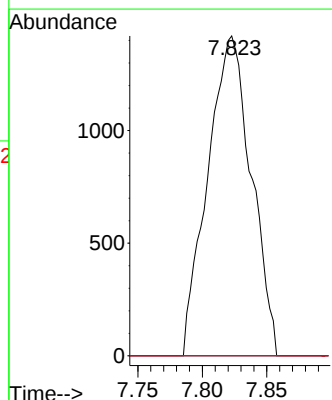
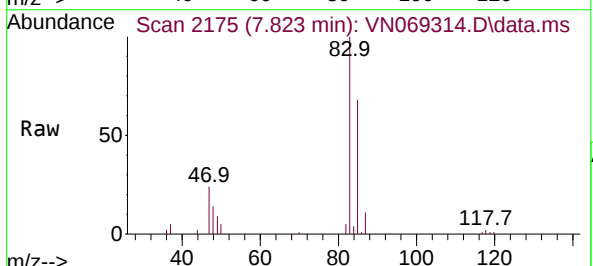
Tgt Ion: 49 Resp: 3337

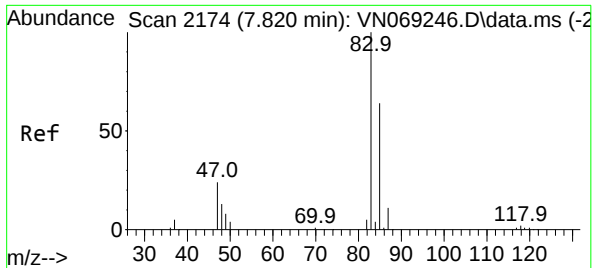
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

130 0.0 60.8 91.2#

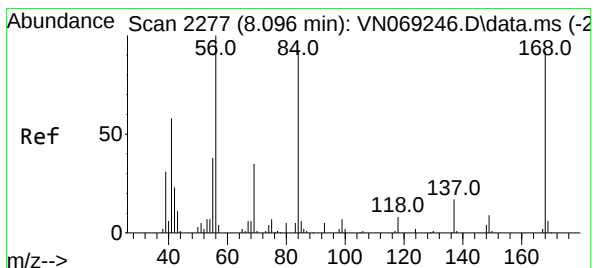
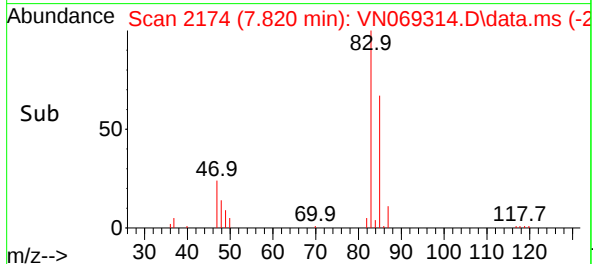
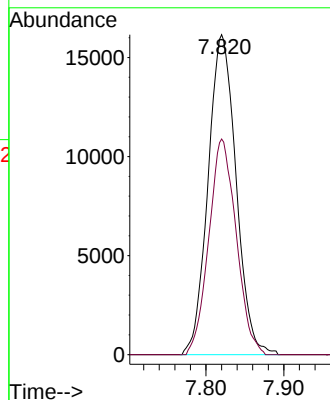
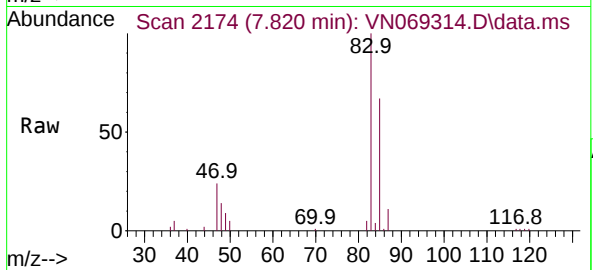




#30
Chloroform
Concen: 6.292 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

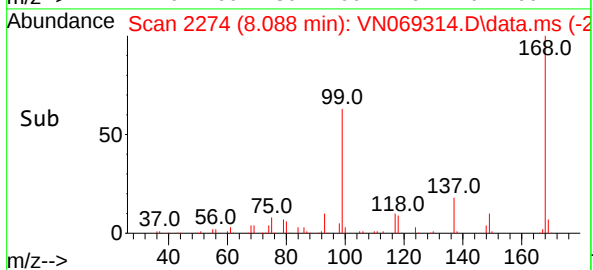
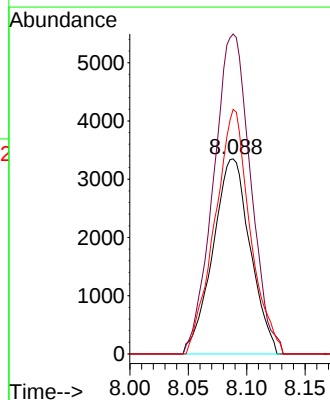
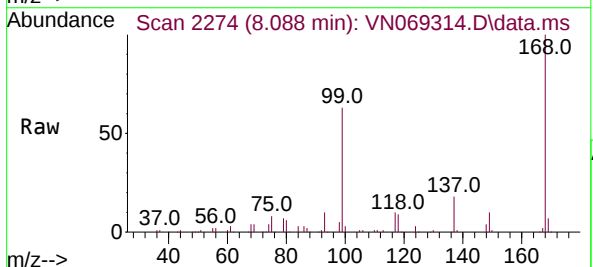
Instrument :
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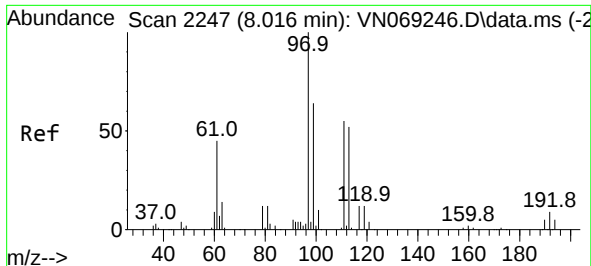
Tgt Ion: 83 Resp: 40342
Ion Ratio Lower Upper
83 100
85 67.4 51.1 76.7



#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

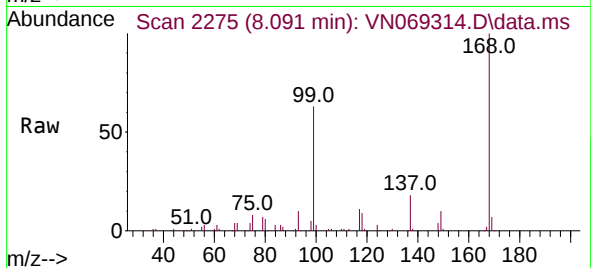
Tgt Ion: 56 Resp: 7443
Ion Ratio Lower Upper
56 100
69 164.1 26.9 40.3#
84 125.5 67.6 101.4#



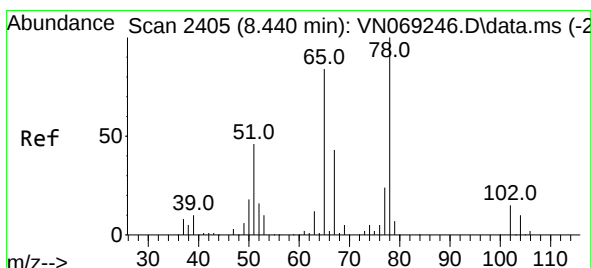
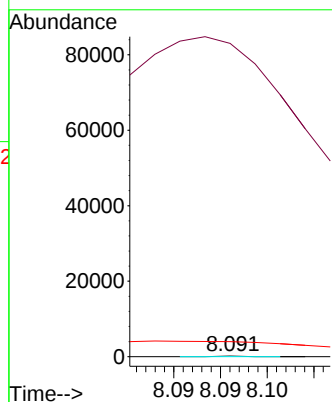
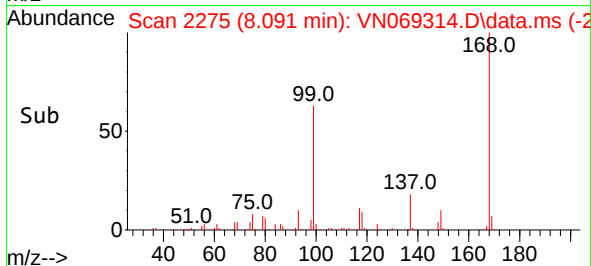


#32
 1,1,1-Trichloroethane
 Concen: 0.879 ug/l
 RT: 8.091 min Scan# 21
 Delta R.T. 0.075 min
 Lab File: VN069314.D
 Acq: 29 Oct 2021 20:47

Instrument :
 MSVOA_N
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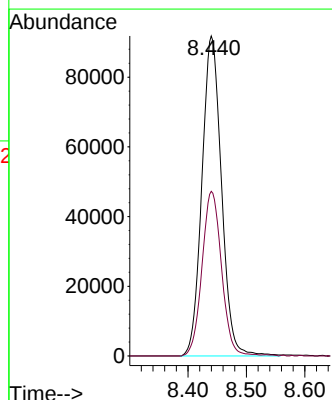
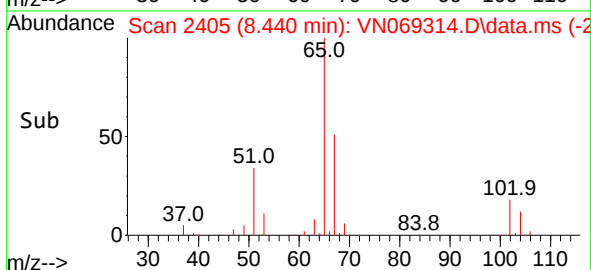
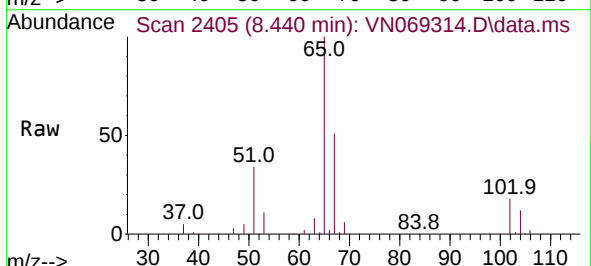


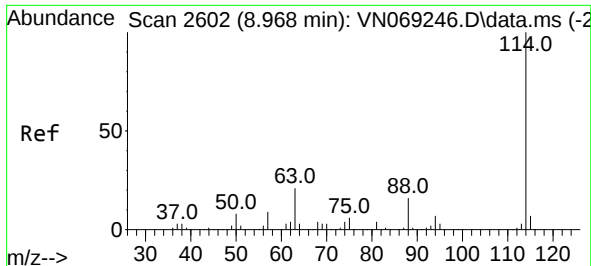
Tgt Ion: 97 Resp: 27
 Ion Ratio Lower Upper
 97 100
 99 713718.5 50.8 76.2#
 61 35803.7 34.6 51.8#



#33
 1,2-Dichloroethane-d4
 Concen: 47.742 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069314.D
 Acq: 29 Oct 2021 20:47

Tgt Ion: 65 Resp: 213748
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8

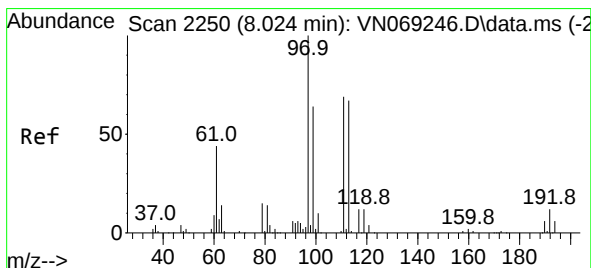
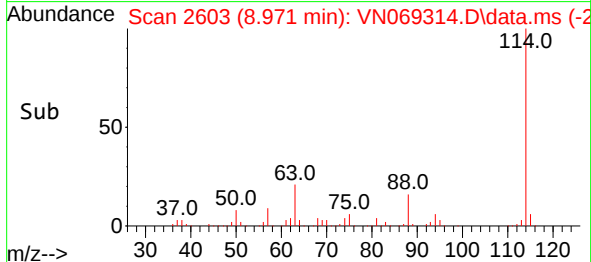
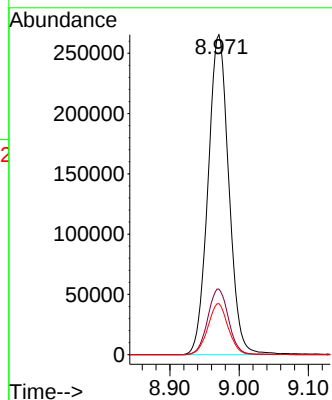
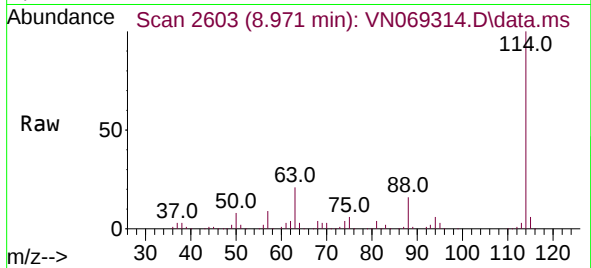




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

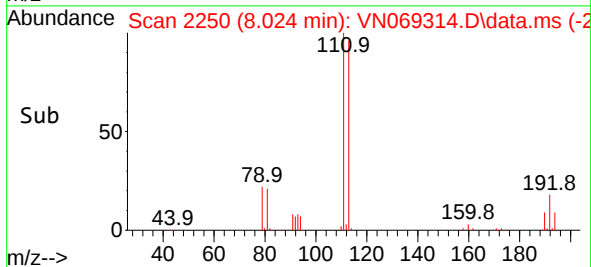
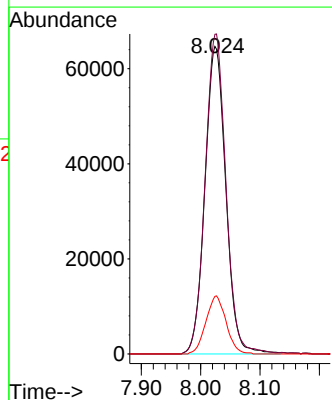
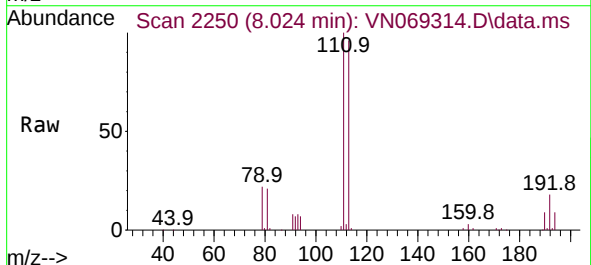
Instrument :
MSVOA_N
ClientSampleId :

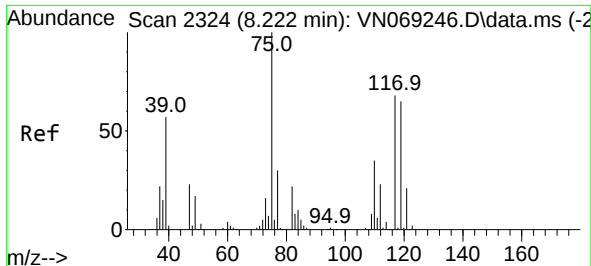
Tgt Ion:114 Resp: 553350
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 45.937 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion:113 Resp: 158454
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 18.2 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.447 ug/l

RT: 8.088 min Scan# 21

Delta R.T. -0.134 min

Lab File: VN069314.D

Acq: 29 Oct 2021 20:47

Instrument :

MSVOA_N

ClientSampleId :

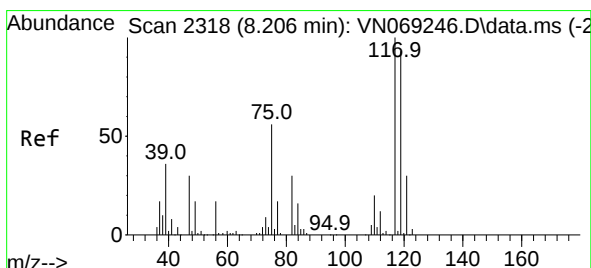
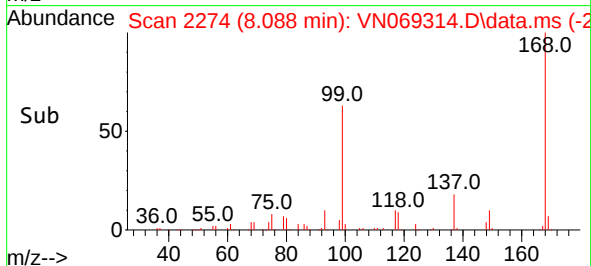
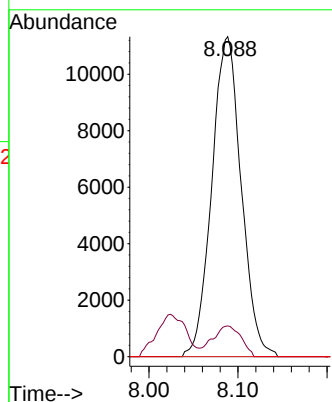
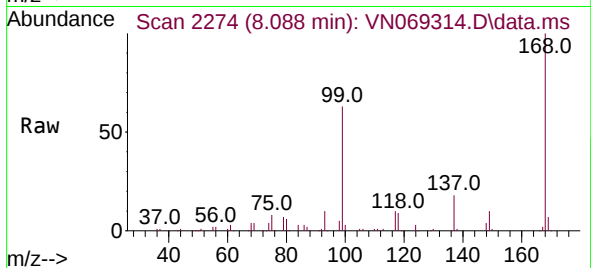
Tgt Ion: 75 Resp: 25983

Ion Ratio Lower Upper

75 100

110 9.4 17.9 53.8#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.934 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.118 min

Lab File: VN069314.D

Acq: 29 Oct 2021 20:47

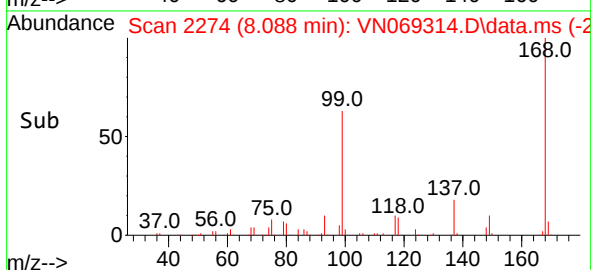
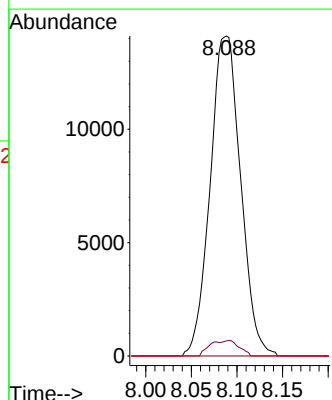
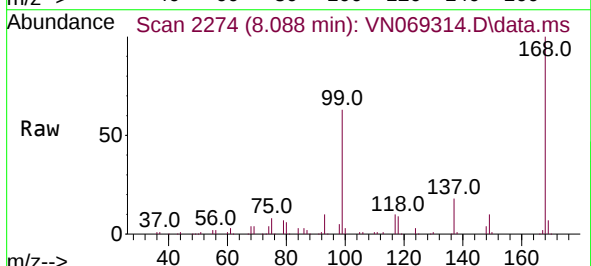
Tgt Ion: 117 Resp: 32805

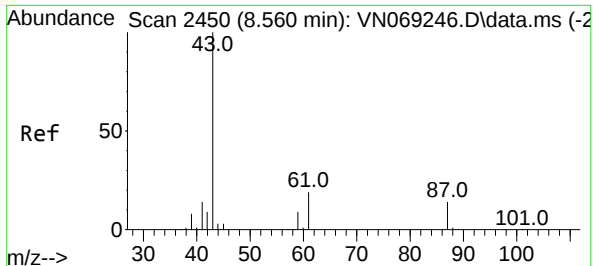
Ion Ratio Lower Upper

117 100

119 4.7 76.9 115.3#

121 0.0 24.6 37.0#

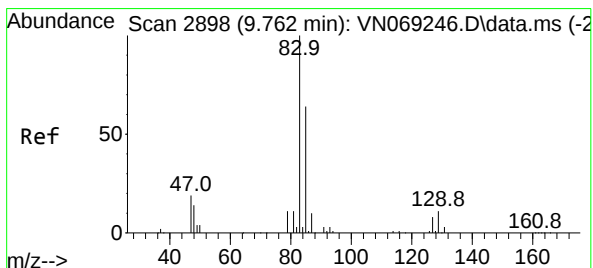
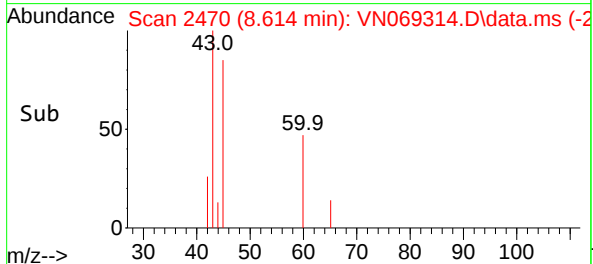
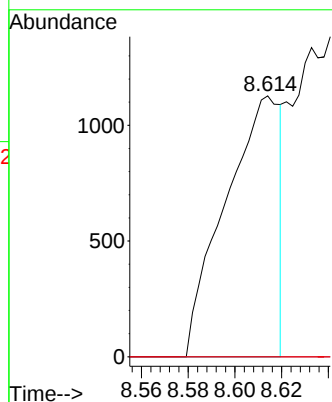
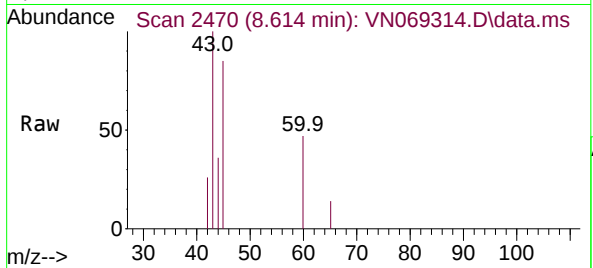




#43
Isopropyl Acetate
Concen: 0.651 ug/l
RT: 8.614 min Scan# 2450
Delta R.T. 0.054 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

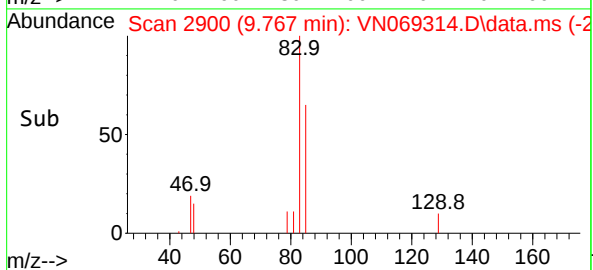
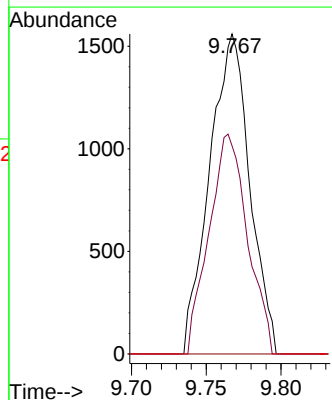
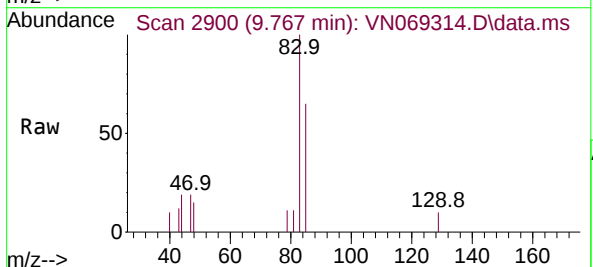
Instrument :
MSVOA_N
ClientSampleId :

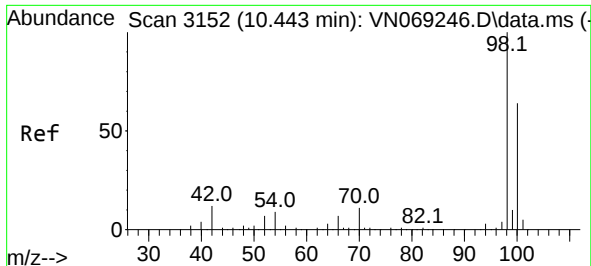
Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#47
Bromodichloromethane
Concen: 1.619 ug/l
RT: 9.767 min Scan# 2900
Delta R.T. 0.005 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion: 83 Resp: 2917
Ion Ratio Lower Upper
83 100
85 65.1 50.7 76.1
127 0.0 6.5 9.7#

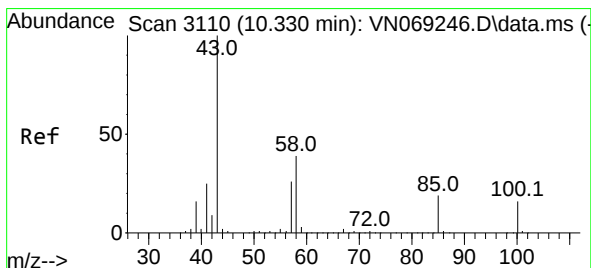
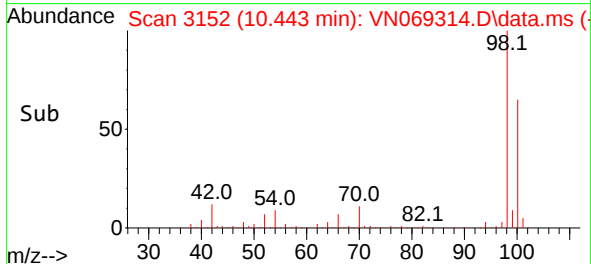
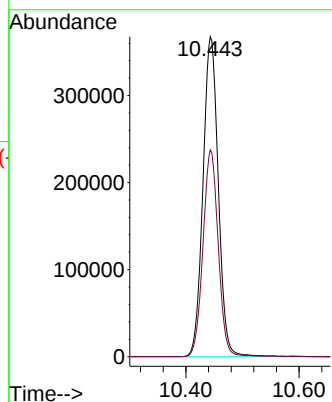
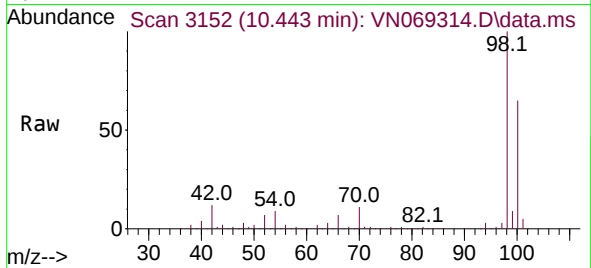




#50
Toluene-d8
Concen: 50.035 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

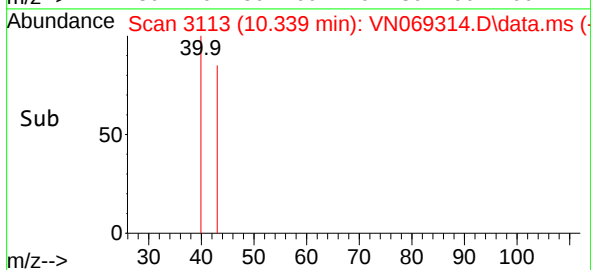
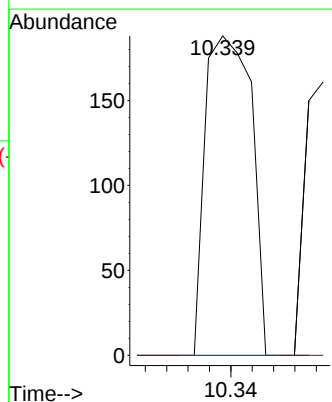
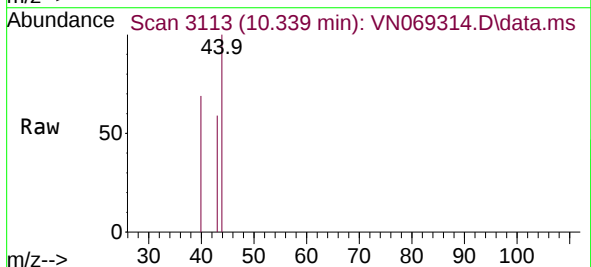
Instrument :
MSVOA_N
ClientSampleId :

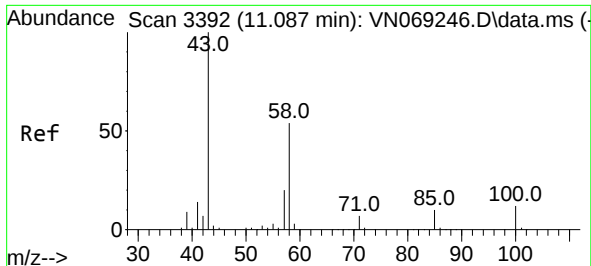
Tgt Ion: 98 Resp: 690072
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.420 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#





#59

2-Hexanone

Concen: 8.087 ug/l

RT: 11.100 min Scan# 31

Delta R.T. 0.013 min

Lab File: VN069314.D

Acq: 29 Oct 2021 20:47

Instrument :

MSVOA_N

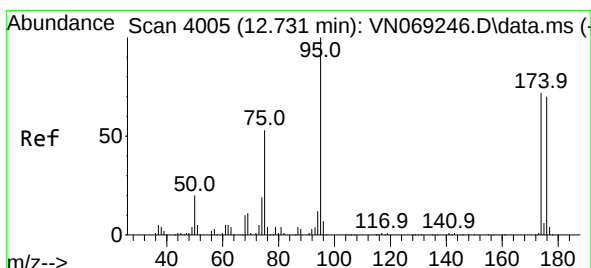
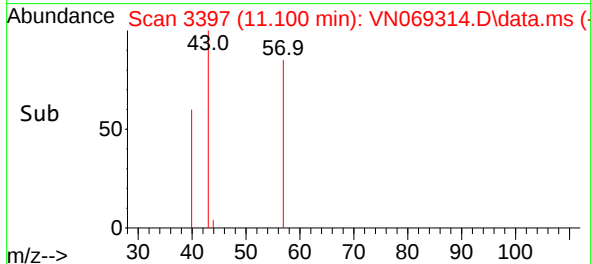
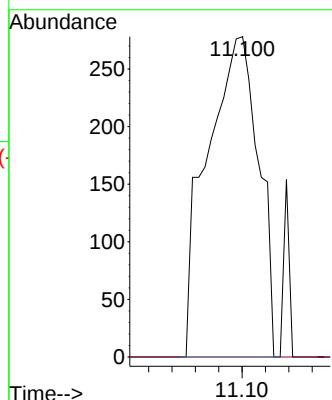
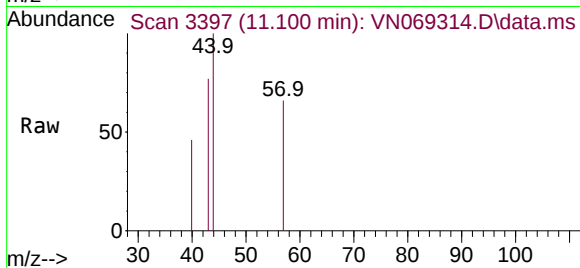
ClientSampleId :

Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

43 100

58 0.0 26.9 80.7#



#62

4-Bromofluorobenzene

Concen: 47.515 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.002 min

Lab File: VN069314.D

Acq: 29 Oct 2021 20:47

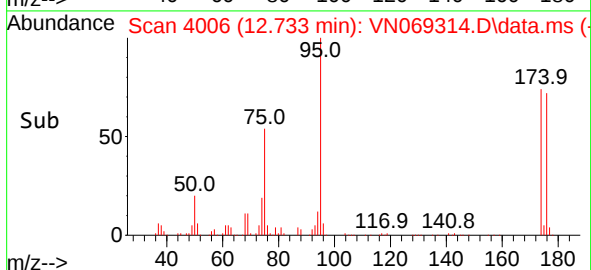
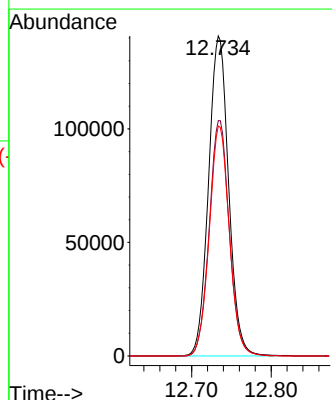
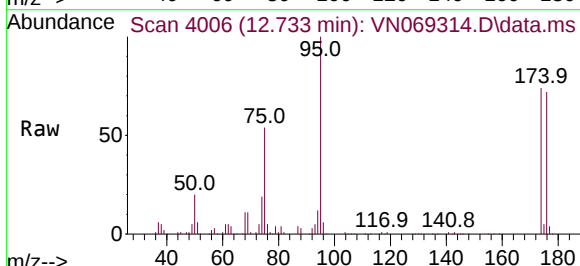
Tgt Ion: 95 Resp: 247285

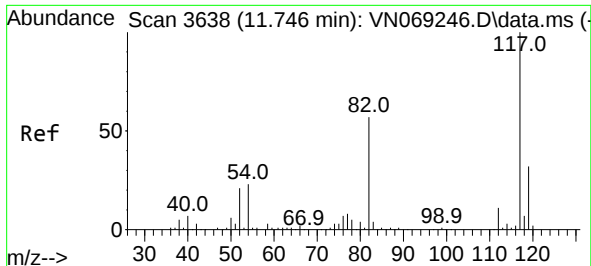
Ion Ratio Lower Upper

95 100

174 73.6 0.0 144.8

176 71.5 0.0 140.0

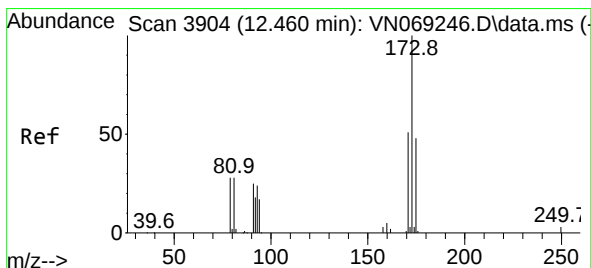
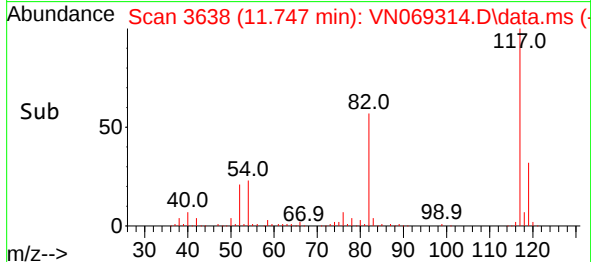
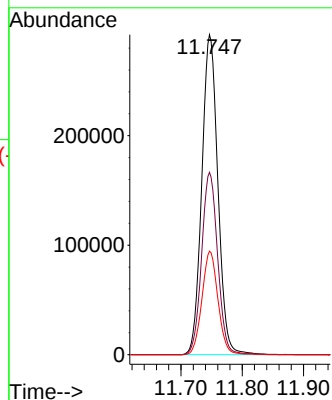
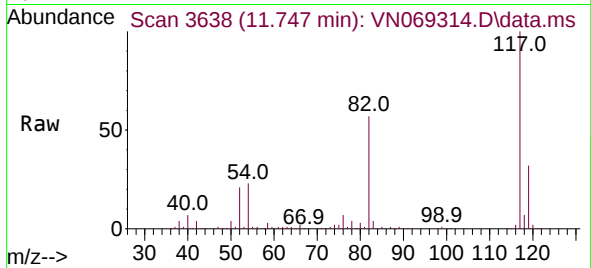




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

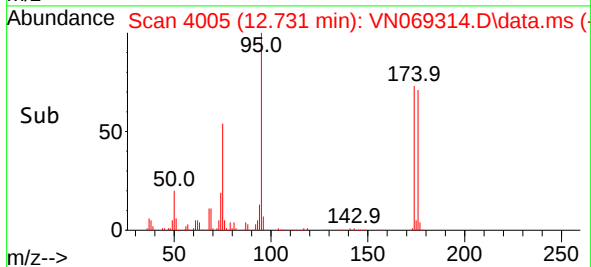
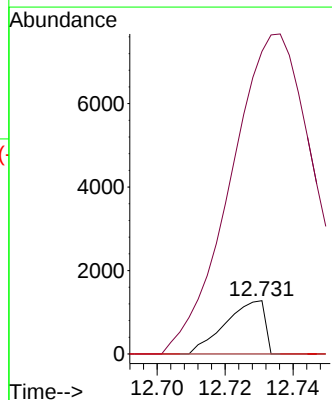
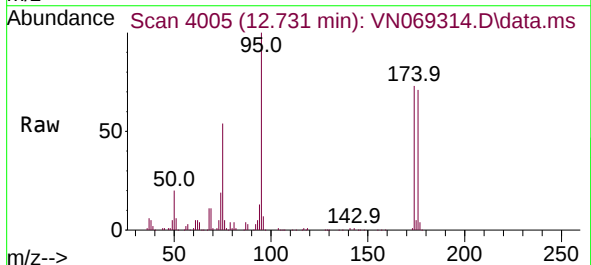
Instrument :
MSVOA_N
ClientSampleId :

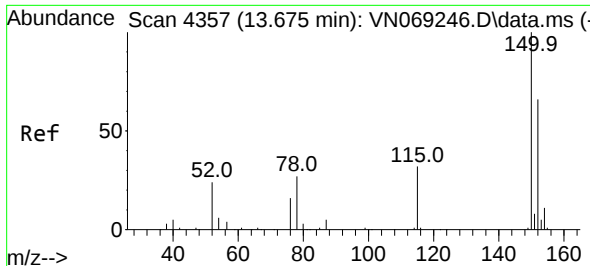
Tgt Ion:117 Resp: 533602
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.4 26.0 39.0



#71
Bromoform
Concen: 3.167 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion:173 Resp: 1032
Ion Ratio Lower Upper
173 100
175 1193.0 23.8 71.5#
254 0.0 0.0 0.0

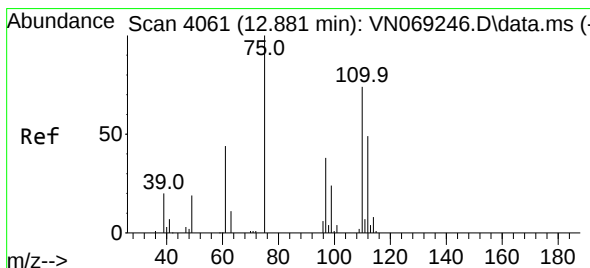
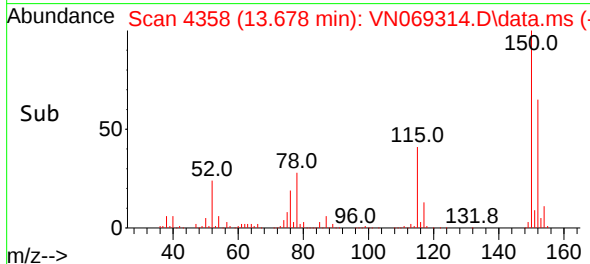
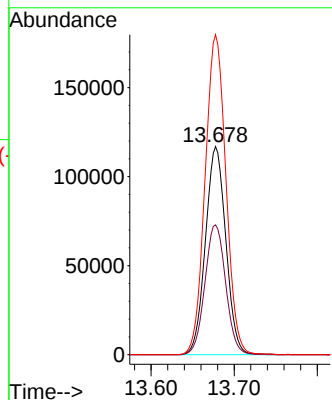
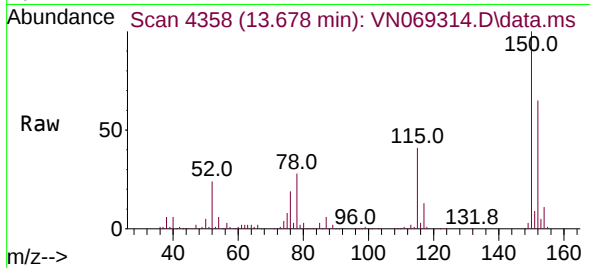




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN069314.D
 Acq: 29 Oct 2021 20:47

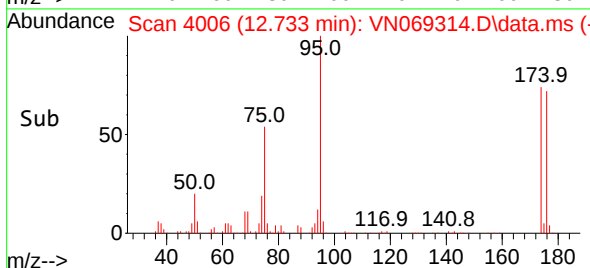
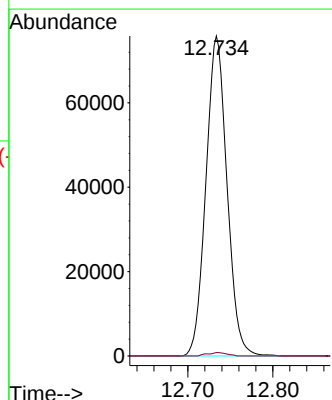
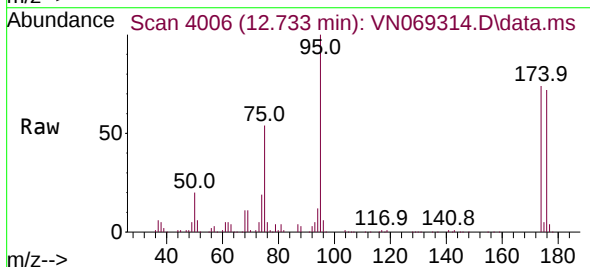
Instrument :
 MSVOA_N
 ClientSampleId :

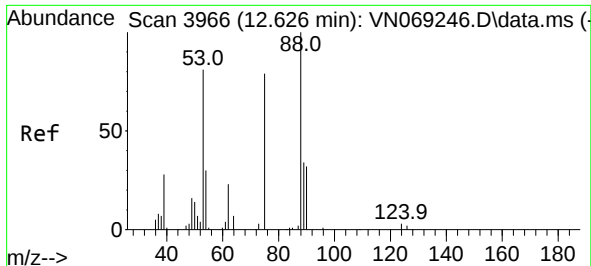
Tgt Ion:152 Resp: 199423
 Ion Ratio Lower Upper
 152 100
 115 63.5 31.4 94.3
 150 156.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 24.898 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069314.D
 Acq: 29 Oct 2021 20:47

Tgt Ion: 75 Resp: 130592
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

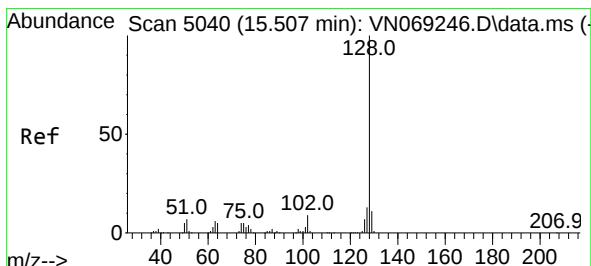
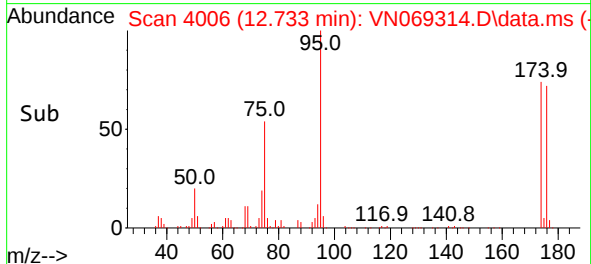
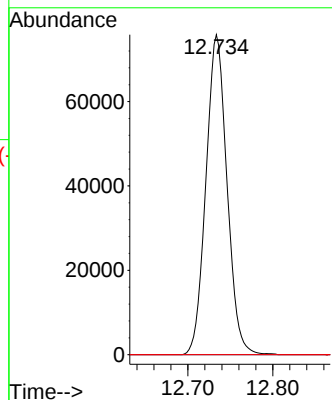
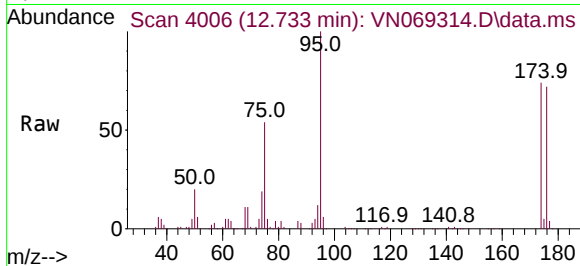




#81
trans-1,4-Dichloro-2-butene
Concen: 71.330 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 130592
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.396 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069314.D
Acq: 29 Oct 2021 20:47

Tgt Ion:128 Resp: 947
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

