

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102921\
 Data File : VN069309.D
 Acq On : 29 Oct 2021 18:38
 Operator : JC/MD
 Sample : M4373-03
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:45:23 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)

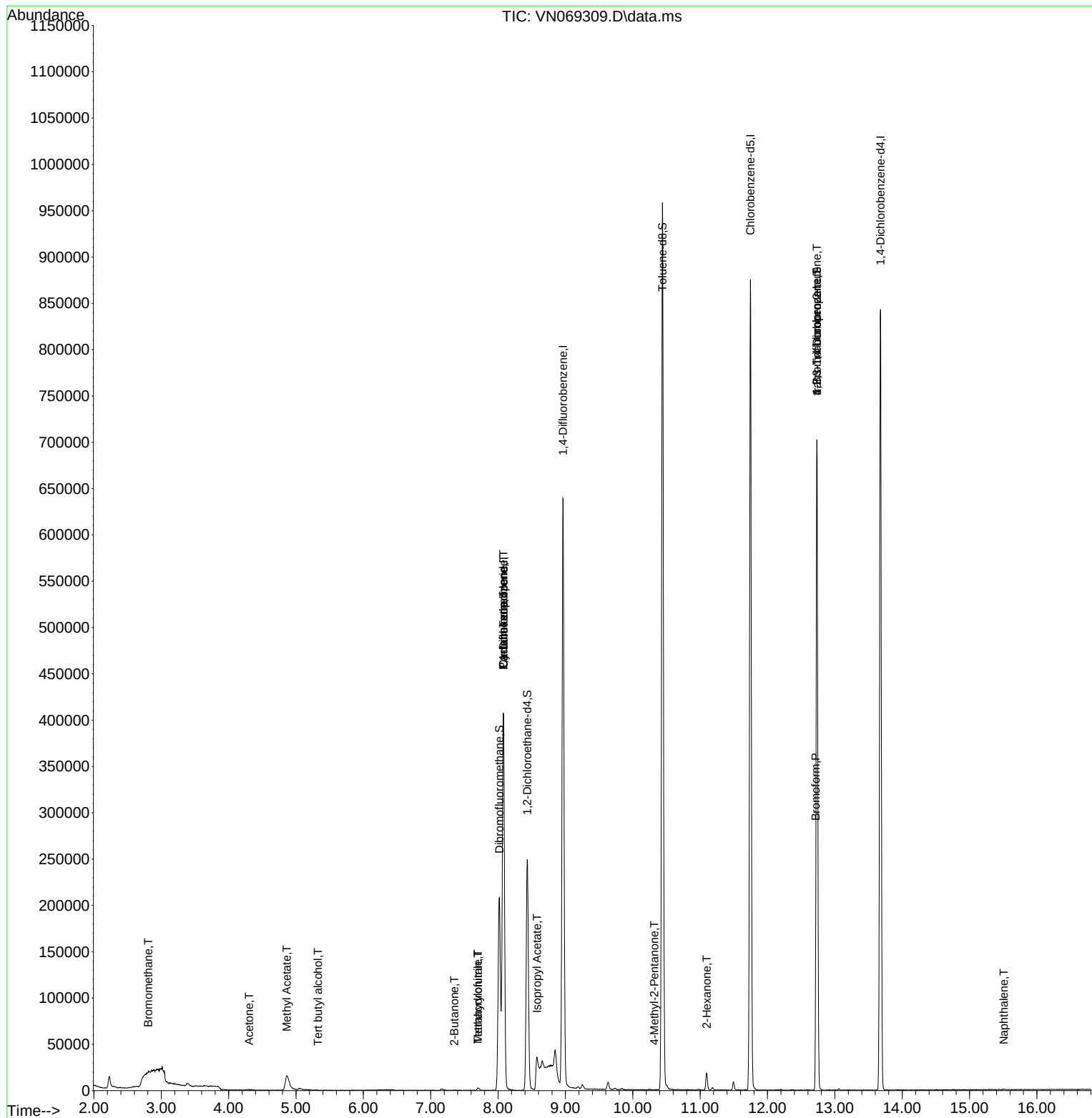
Internal Standards						
1) Pentafluorobenzene	8.080	168	307318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	556614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	509681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	223719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	213741	48.180	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.360%		
35) Dibromofluoromethane	8.019	113	151314	43.610	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	87.220%		
50) Toluene-d8	10.440	98	680404	49.045	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.100%		
62) 4-Bromofluorobenzene	12.733	95	242209	46.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	442	Below Cal	#	42
5) Bromomethane	2.808	94	582	0.225	ug/l #	73
11) Tert butyl alcohol	5.326	59	24	13.433	ug/l #	72
16) Acetone	4.301	43	844	0.447	ug/l #	44
18) Methyl Acetate	4.865	43	43078	6.707	ug/l #	72
25) 2-Butanone	7.351	43	259	1.723	ug/l #	48
29) Tetrahydrofuran	7.702	42	1840	3.913	ug/l #	85
31) Cyclohexane	8.078	56	7180	1.209	ug/l #	12
36) 1,1-Dichloropropene	8.080	75	25063	5.223	ug/l #	50
38) Carbon Tetrachloride	8.078	117	32696	6.880	ug/l #	16
41) Methacrylonitrile	7.699	41	1097	0.407	ug/l #	28
43) Isopropyl Acetate	8.579	43	34512	4.044	ug/l #	57
51) 4-Methyl-2-Pentanone	10.320	43	110	6.420	ug/l #	36
59) 2-Hexanone	11.098	43	2448	8.499	ug/l #	62
71) Bromoform	12.717	173	152	2.919	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	130978	22.260	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	130978	64.220	ug/l #	12
95) Naphthalene	15.507	128	850	3.379	ug/l #	69

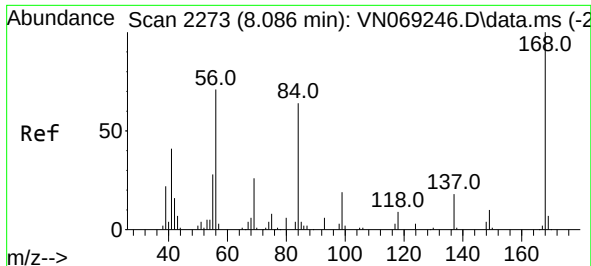
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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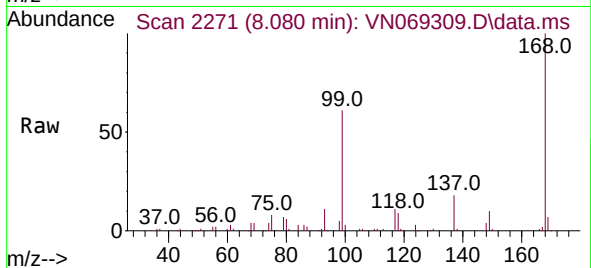
Quant Time: Oct 30 05:45:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
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QLast Update : Thu Oct 28 16:09:15 2021
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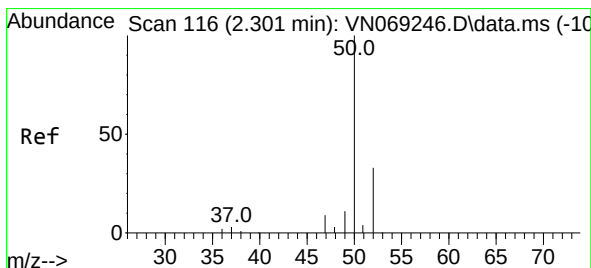
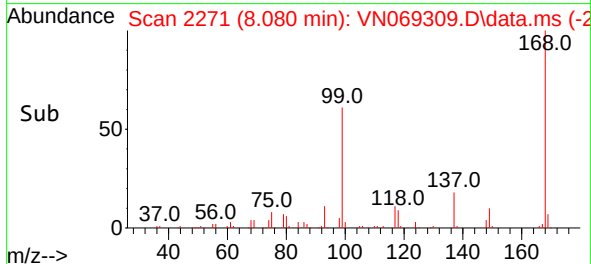
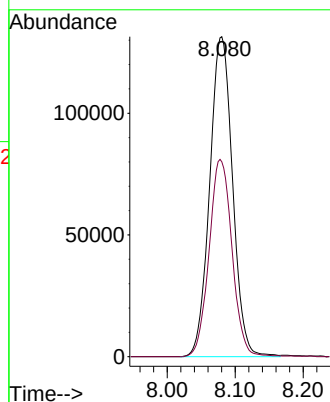


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Instrument :
MSVOA_N
ClientSampleId :

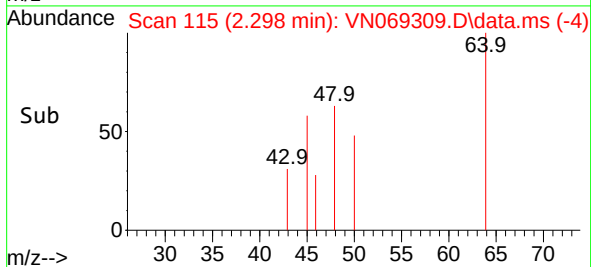
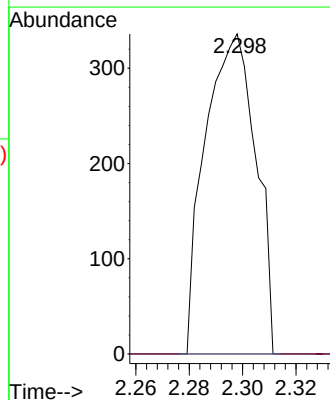
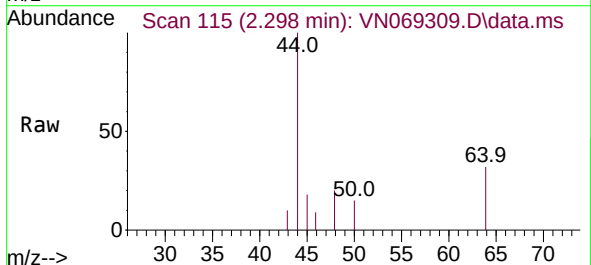


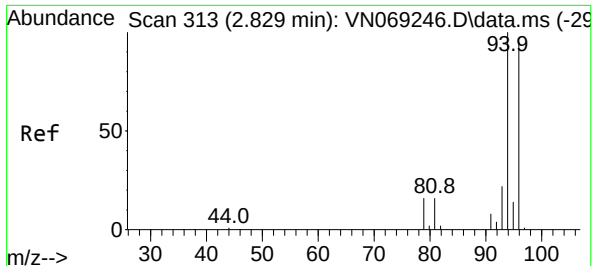
Tgt Ion:168 Resp: 307318
Ion Ratio Lower Upper
168 100
99 60.9 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 115
Delta R.T. -0.003 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion: 50 Resp: 442
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#





#5

Bromomethane

Concen: 0.225 ug/l

RT: 2.808 min Scan# 305

Delta R.T. -0.021 min

Lab File: VN069309.D

Acq: 29 Oct 2021 18:38

Instrument :

MSVOA_N

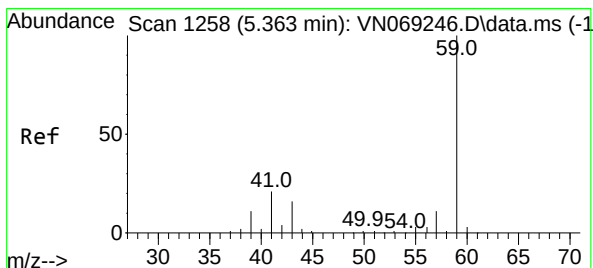
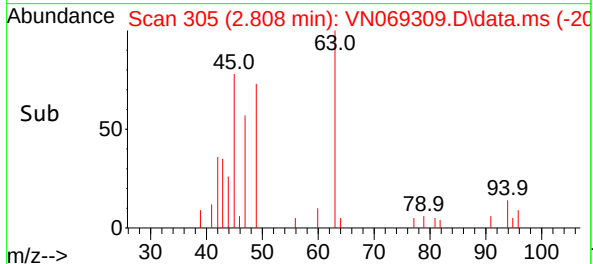
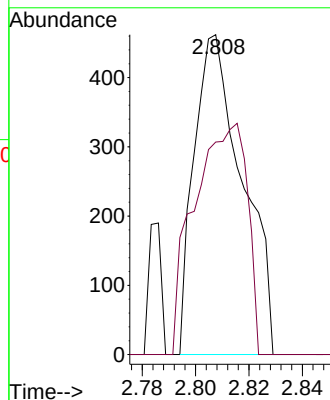
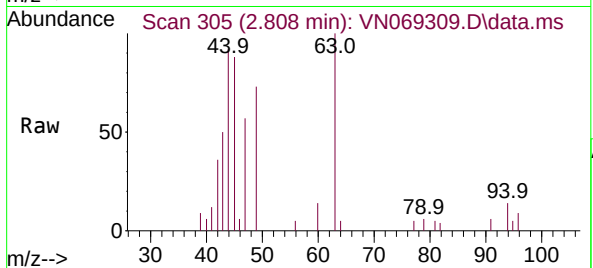
ClientSampleId :

Tgt Ion: 94 Resp: 582

Ion Ratio Lower Upper

94 100

96 66.5 74.2 111.4#



#11

Tert butyl alcohol

Concen: 13.433 ug/l

RT: 5.326 min Scan# 1244

Delta R.T. -0.037 min

Lab File: VN069309.D

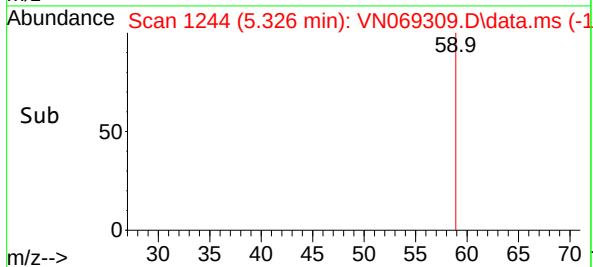
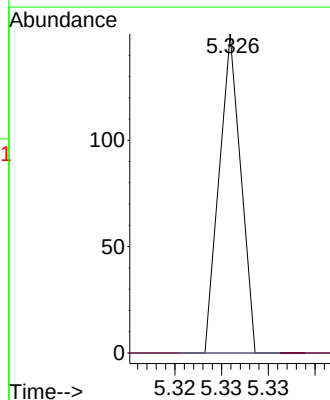
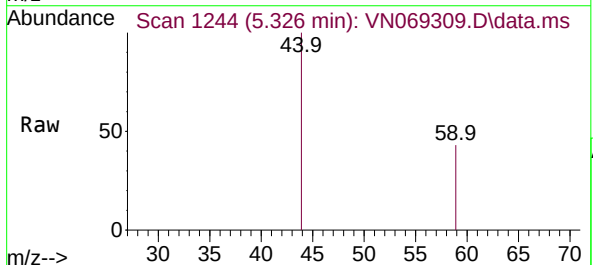
Acq: 29 Oct 2021 18:38

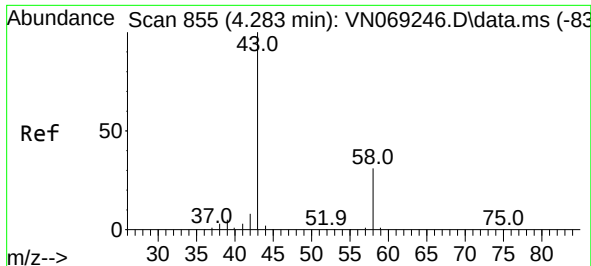
Tgt Ion: 59 Resp: 24

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

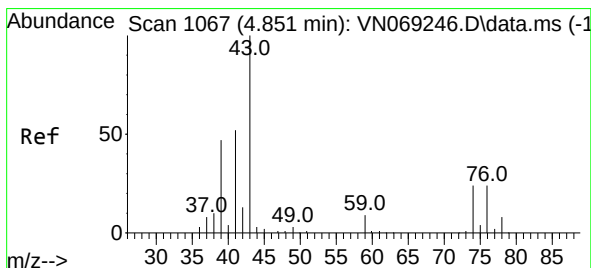
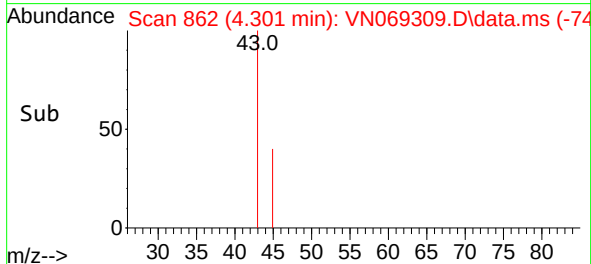
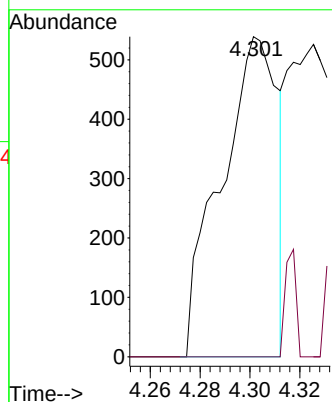
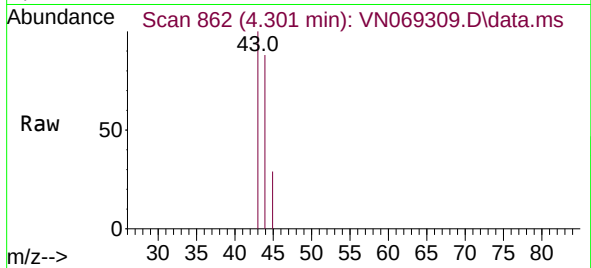




#16
Acetone
Concen: 0.447 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.018 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

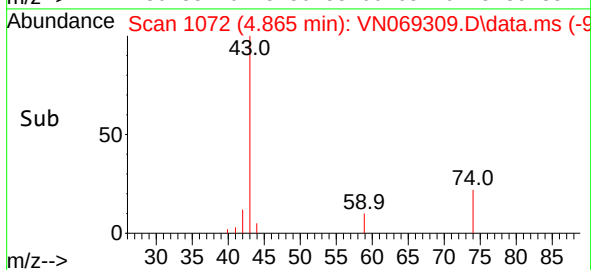
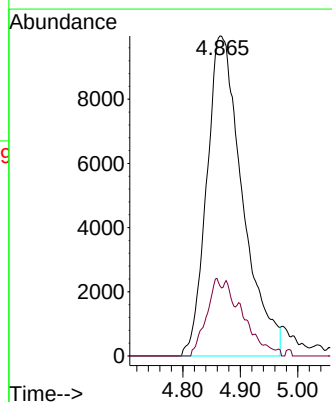
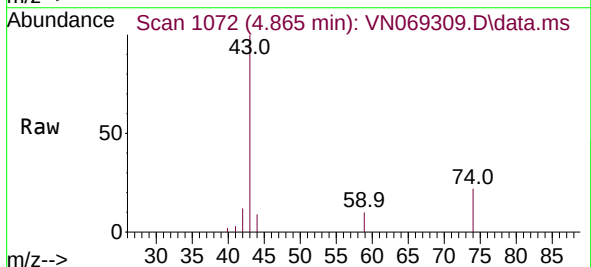
Instrument :
MSVOA_N
ClientSampleId :

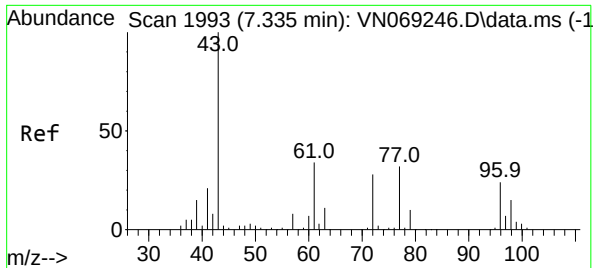
Tgt Ion: 43 Resp: 844
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#18
Methyl Acetate
Concen: 6.707 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.014 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion: 43 Resp: 43078
Ion Ratio Lower Upper
43 100
74 10.0 18.9 28.3#





#25

2-Butanone

Concen: 1.723 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

Lab File: VN069309.D

Acq: 29 Oct 2021 18:38

Instrument :

MSVOA_N

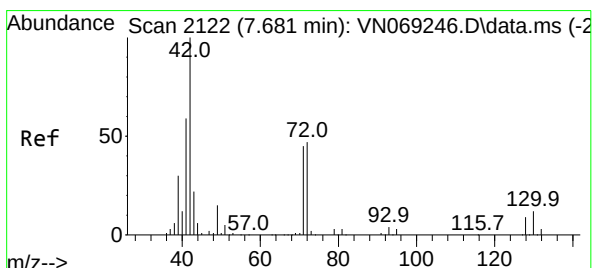
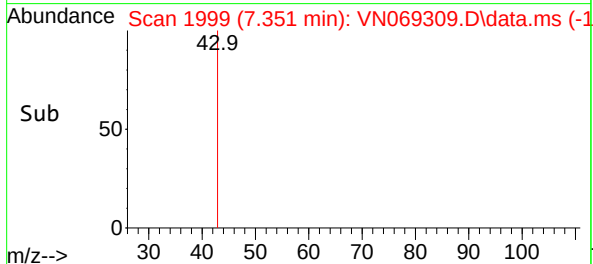
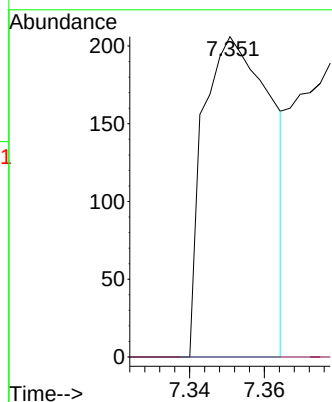
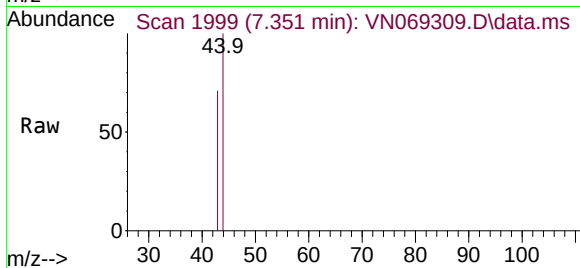
ClientSampleId :

Tgt Ion: 43 Resp: 259

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#29

Tetrahydrofuran

Concen: 3.913 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.021 min

Lab File: VN069309.D

Acq: 29 Oct 2021 18:38

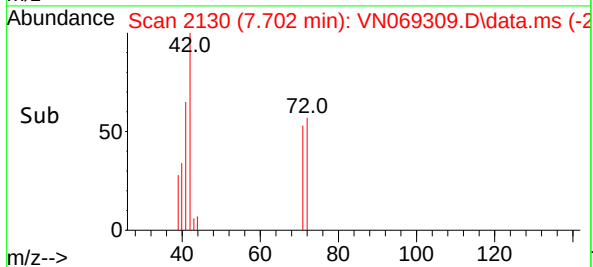
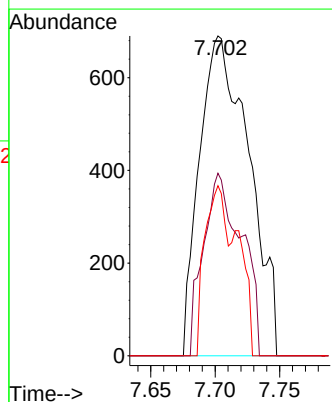
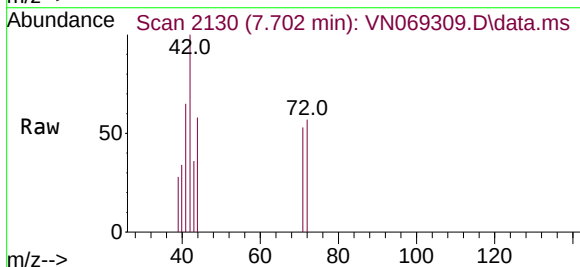
Tgt Ion: 42 Resp: 1840

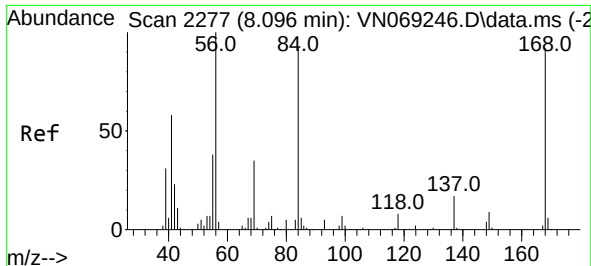
Ion Ratio Lower Upper

42 100

72 44.0 35.4 53.2

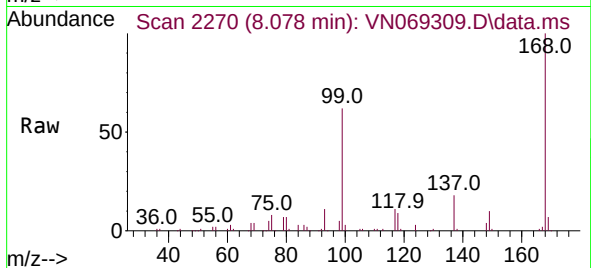
71 23.2 33.8 50.6#



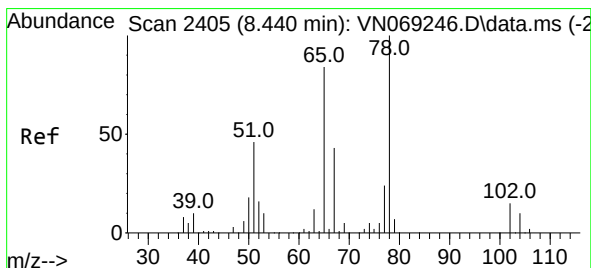
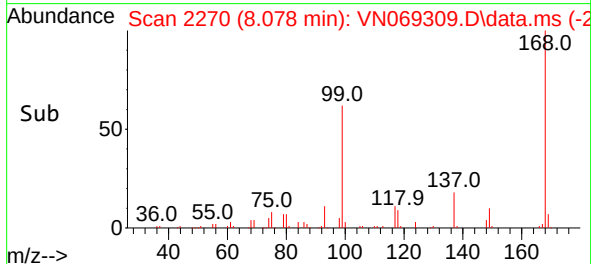
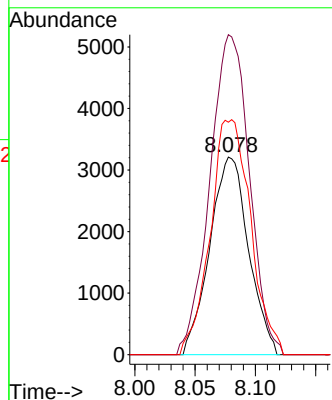


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Instrument :
MSVOA_N
ClientSampleId :

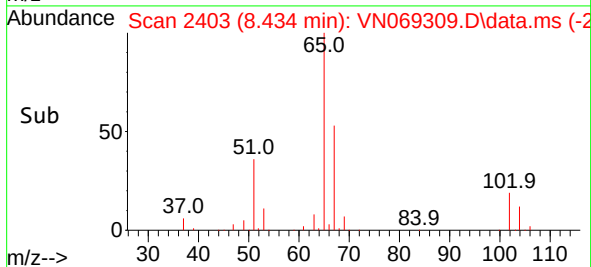
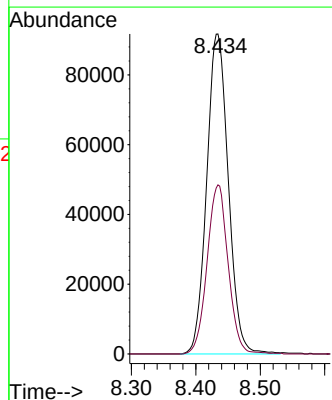
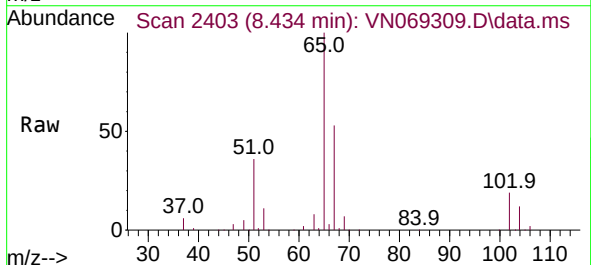


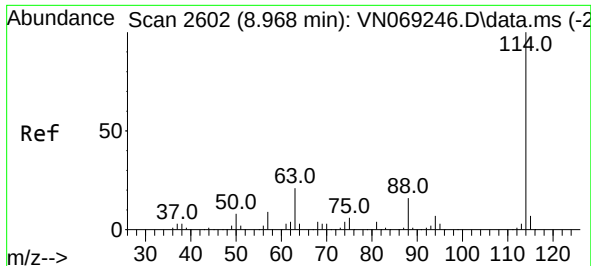
Tgt Ion: 56 Resp: 7180
Ion Ratio Lower Upper
56 100
69 157.1 26.9 40.3#
84 117.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.180 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion: 65 Resp: 213741
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN069309.D

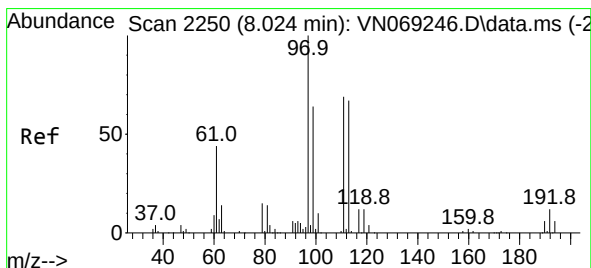
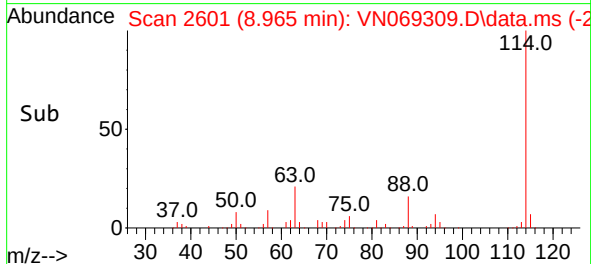
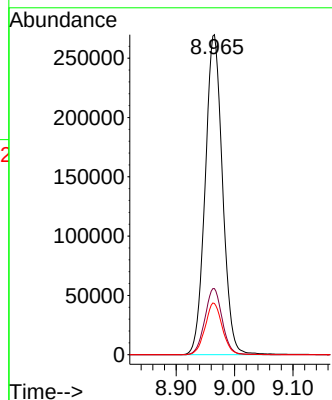
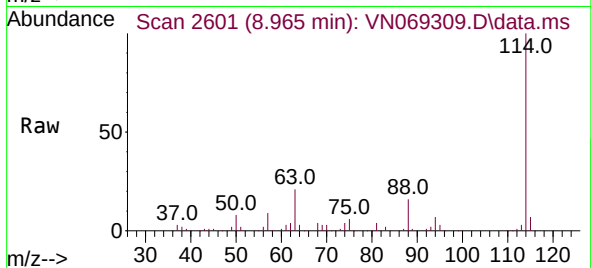
Acq: 29 Oct 2021 18:38

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:114	Resp: 556614
Ion Ratio	Lower Upper
114 100	
63 20.6	0.0 42.6
88 16.0	0.0 32.0



#35

Dibromofluoromethane

Concen: 43.610 ug/l

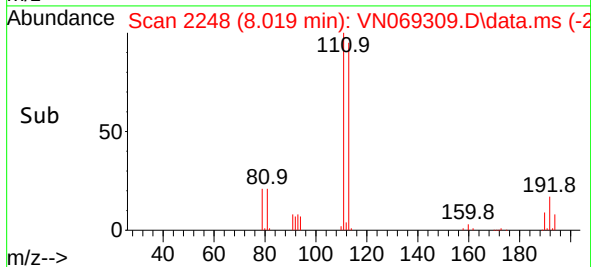
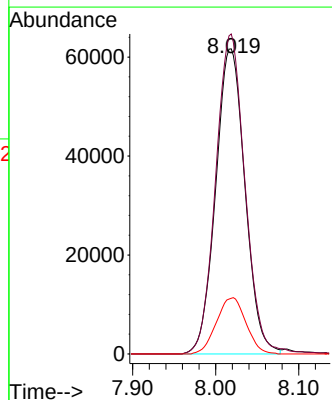
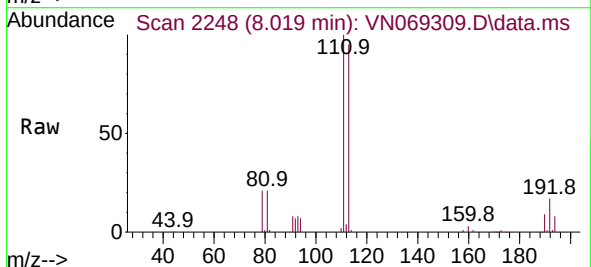
RT: 8.019 min Scan# 2248

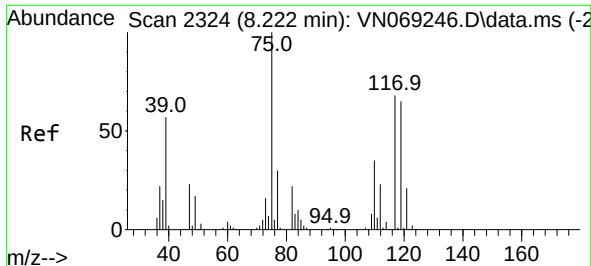
Delta R.T. -0.005 min

Lab File: VN069309.D

Acq: 29 Oct 2021 18:38

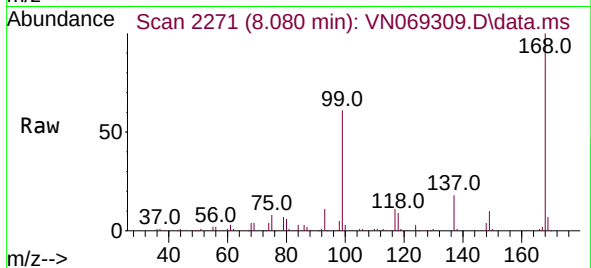
Tgt Ion:113	Resp: 151314
Ion Ratio	Lower Upper
113 100	
111 104.9	83.2 124.8
192 18.6	15.0 22.4



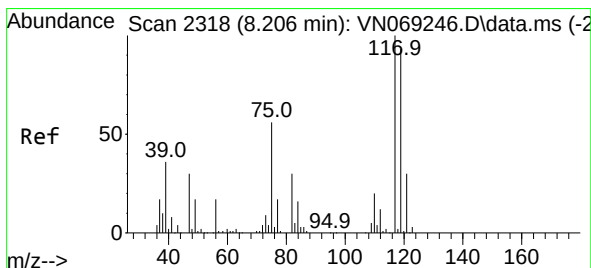
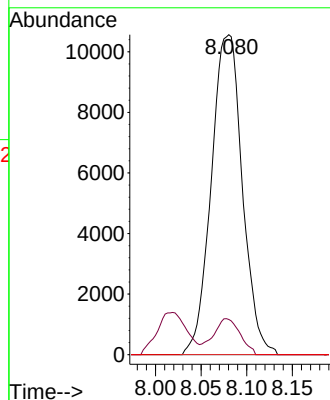
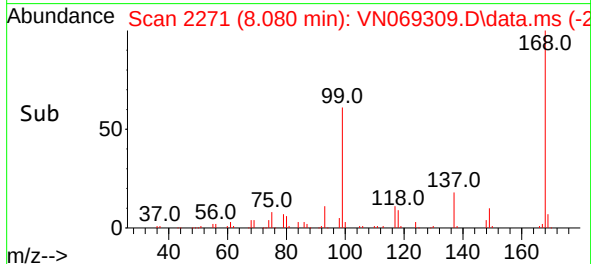


#36
 1,1-Dichloropropene
 Concen: 5.223 ug/l
 RT: 8.080 min Scan# 21
 Delta R.T. -0.142 min
 Lab File: VN069309.D
 Acq: 29 Oct 2021 18:38

Instrument :
 MSVOA_N
 ClientSampleId :

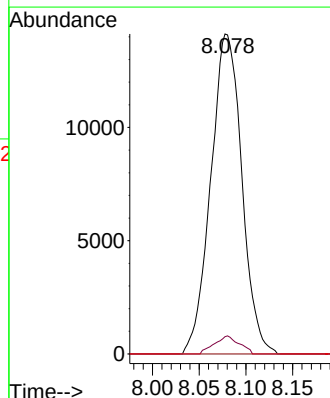
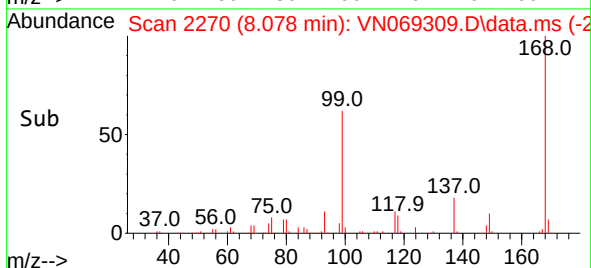
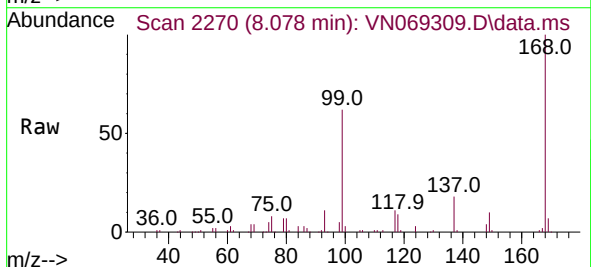


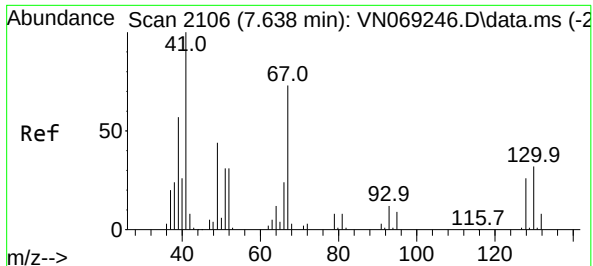
Tgt Ion: 75 Resp: 25063
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.880 ug/l
 RT: 8.078 min Scan# 2270
 Delta R.T. -0.128 min
 Lab File: VN069309.D
 Acq: 29 Oct 2021 18:38

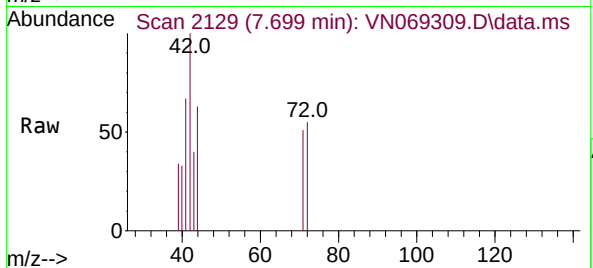
Tgt Ion: 117 Resp: 32696
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.9 115.3#
 121 0.0 24.6 37.0#



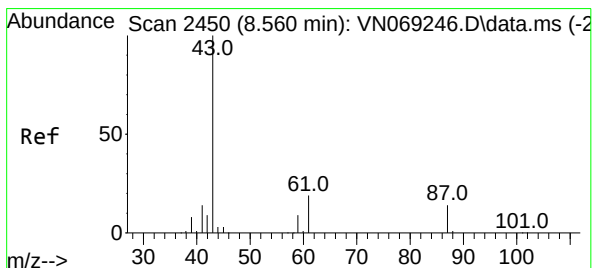
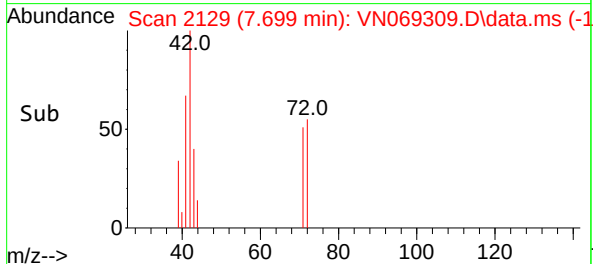
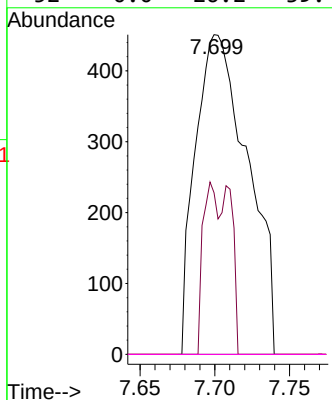


#41
Methacrylonitrile
Concen: 0.407 ug/l
RT: 7.699 min Scan# 2106
Delta R.T. 0.061 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Instrument :
MSVOA_N
ClientSampleId :

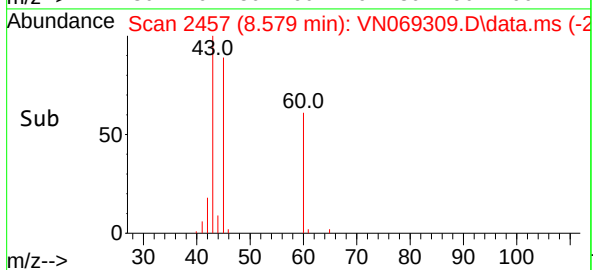
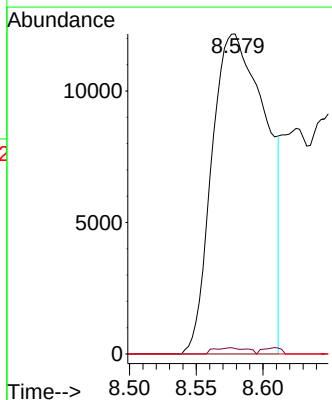
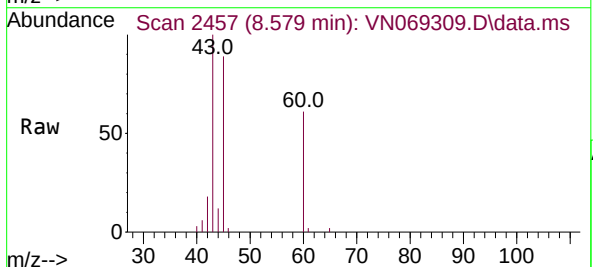


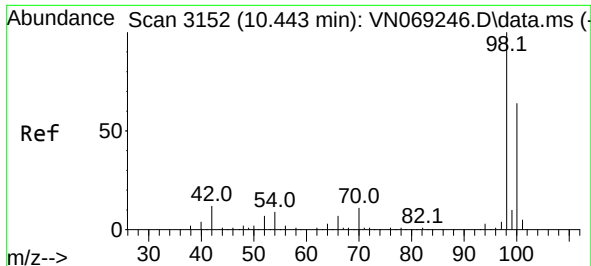
Tgt Ion: 41	Resp: 1097
Ion Ratio	Lower Upper
41 100	
39 15.5	44.9 67.3#
67 0.0	62.6 93.8#
52 0.0	26.2 39.4#



#43
Isopropyl Acetate
Concen: 4.044 ug/l
RT: 8.579 min Scan# 2457
Delta R.T. 0.019 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion: 43	Resp: 34512
Ion Ratio	Lower Upper
43 100	
61 0.9	20.4 30.6#
87 0.0	10.7 16.1#

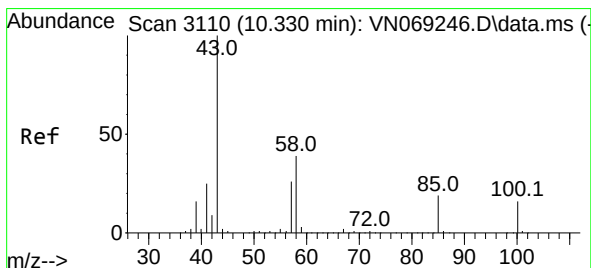
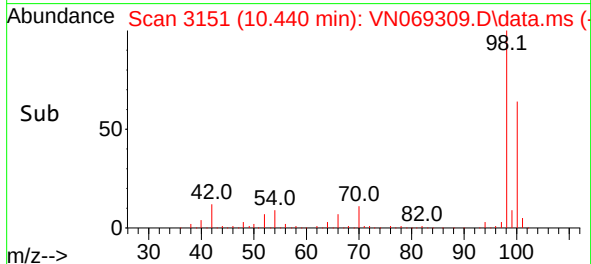
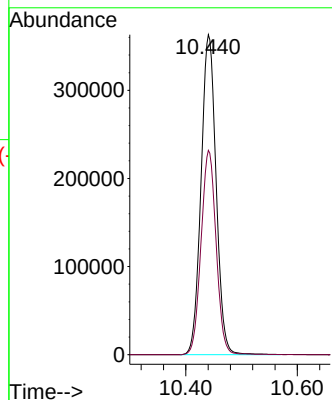
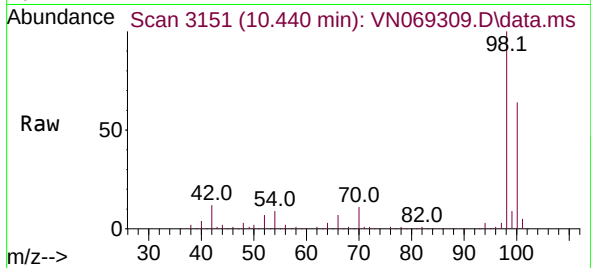




#50
Toluene-d8
Concen: 49.045 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

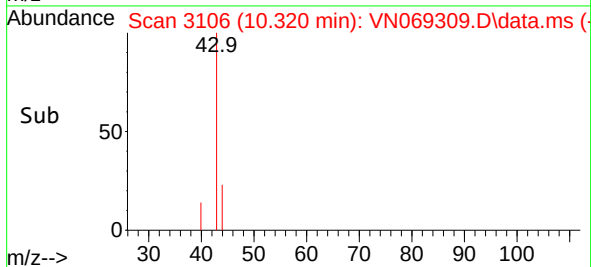
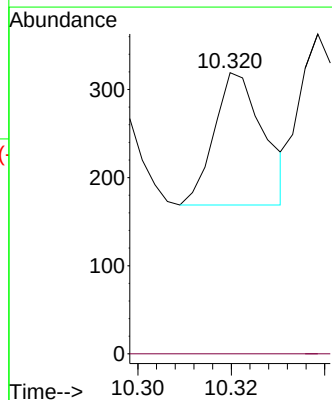
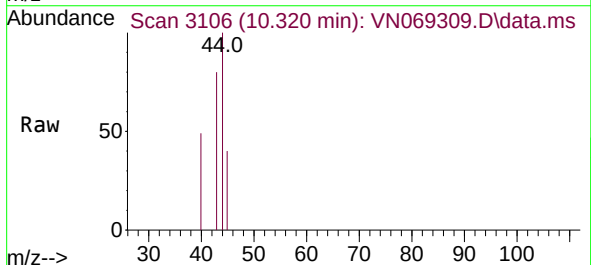
Instrument :
MSVOA_N
ClientSampleId :

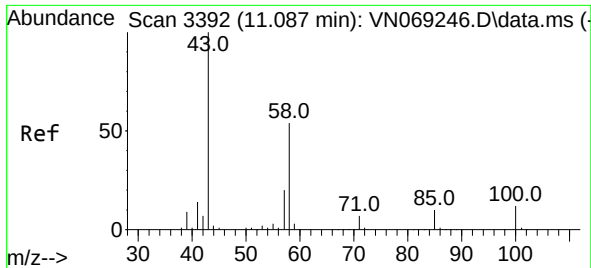
Tgt Ion: 98 Resp: 680404
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.420 ug/l
RT: 10.320 min Scan# 3106
Delta R.T. -0.010 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

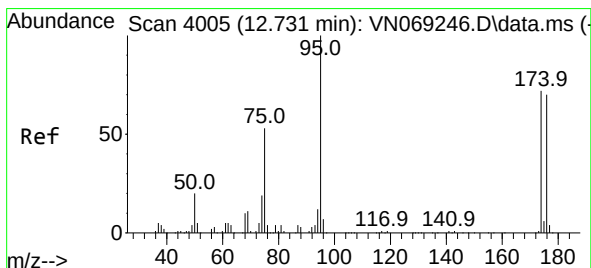
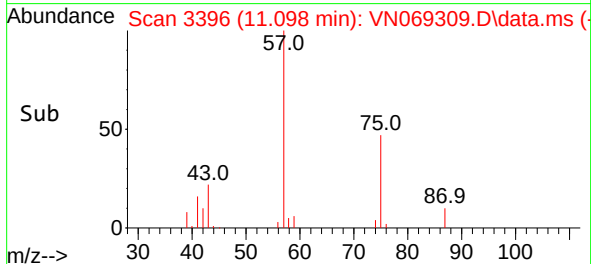
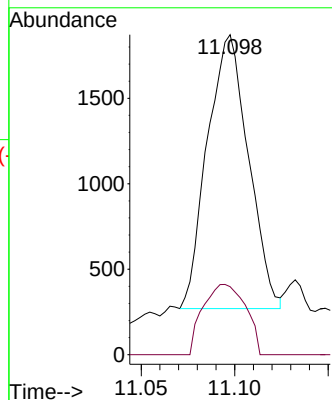
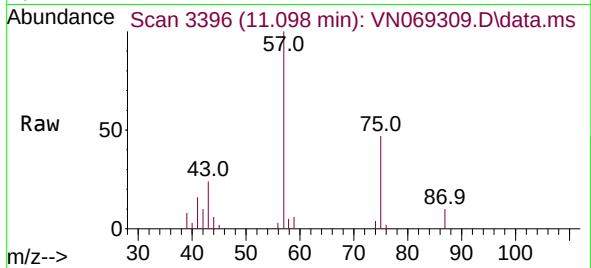




#59
2-Hexanone
Concen: 8.499 ug/l
RT: 11.098 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

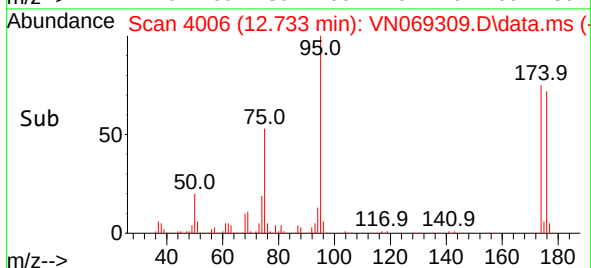
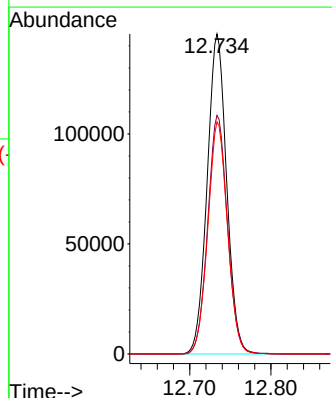
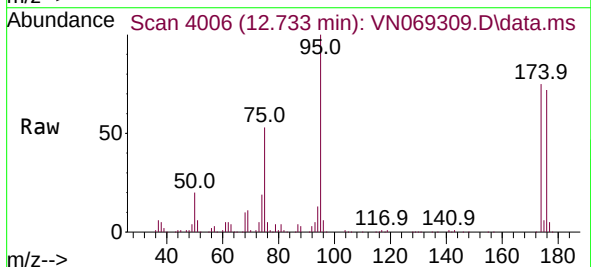
Instrument :
MSVOA_N
ClientSampleId :

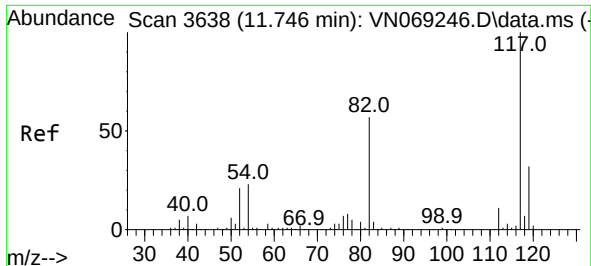
Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
58 26.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 46.267 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion: 95 Resp: 242209
Ion Ratio Lower Upper
95 100
174 75.4 0.0 144.8
176 73.1 0.0 140.0

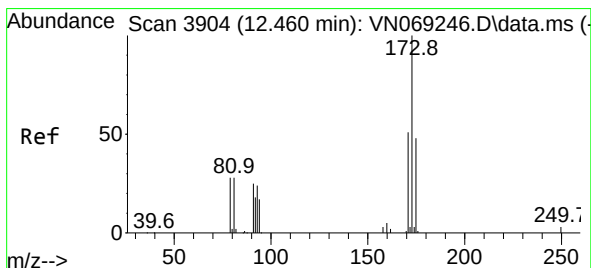
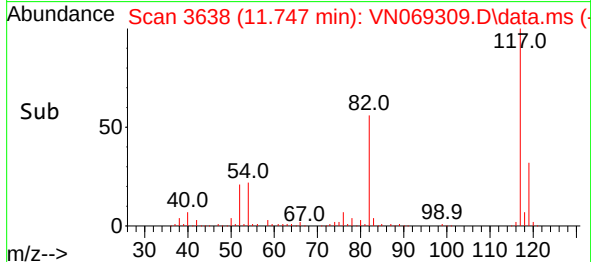
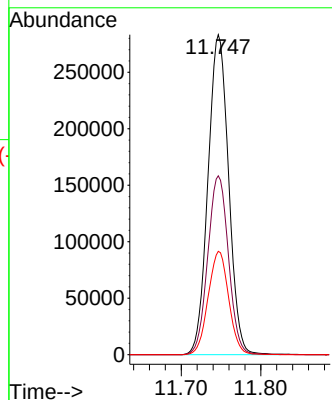
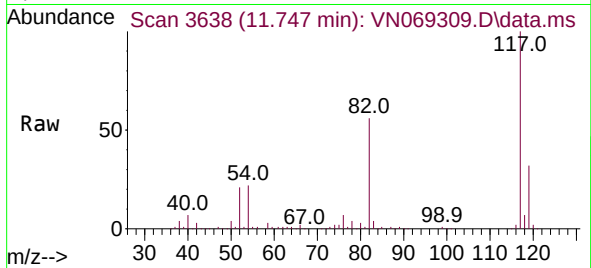




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

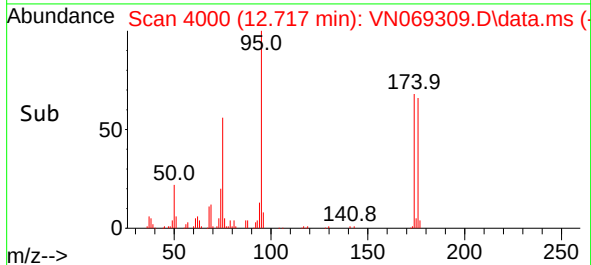
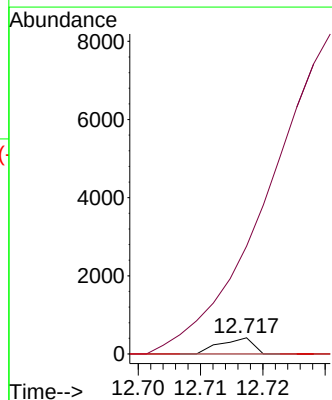
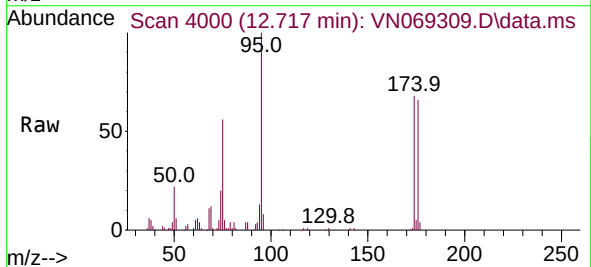
Instrument :
MSVOA_N
ClientSampleId :

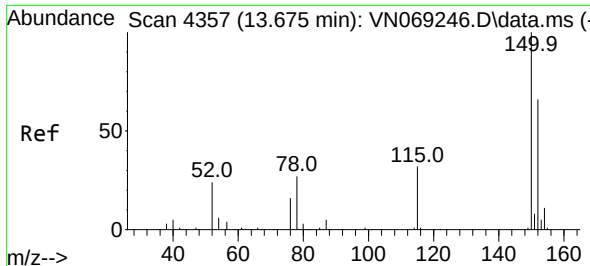
Tgt Ion:117 Resp: 509681
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 32.3 26.0 39.0



#71
Bromoform
Concen: 2.919 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion:173 Resp: 152
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0

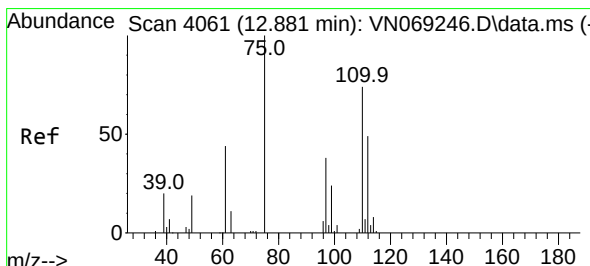
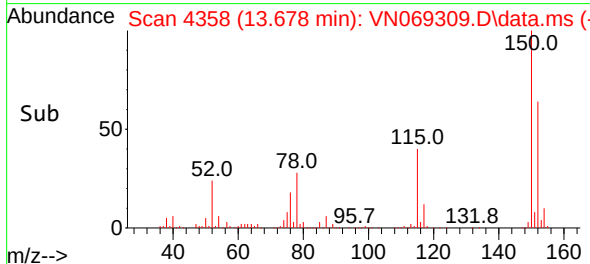
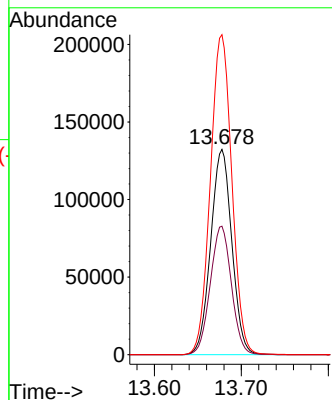
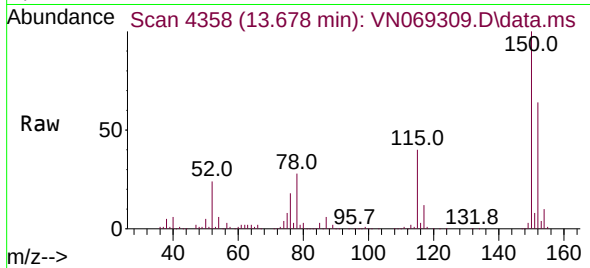




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN069309.D
 Acq: 29 Oct 2021 18:38

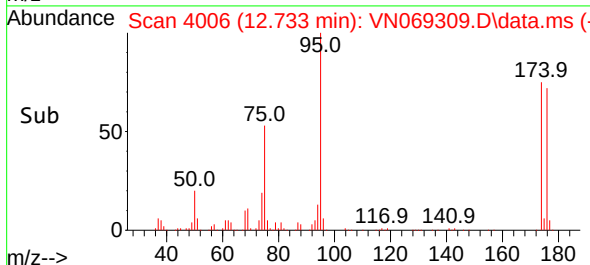
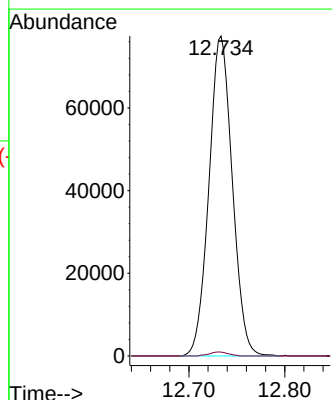
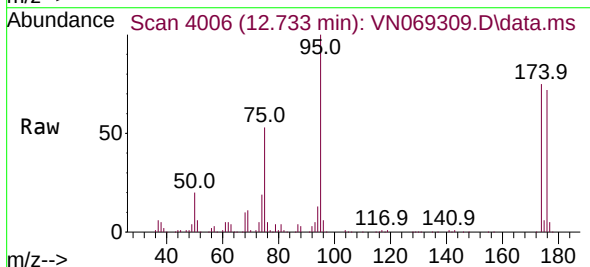
Instrument :
 MSVOA_N
 ClientSampleId :

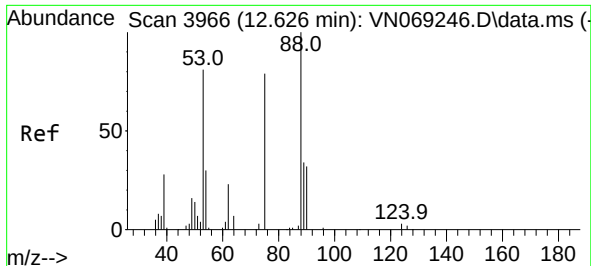
Tgt Ion:152 Resp: 223719
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.4 94.3
 150 158.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 22.260 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069309.D
 Acq: 29 Oct 2021 18:38

Tgt Ion: 75 Resp: 130978
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

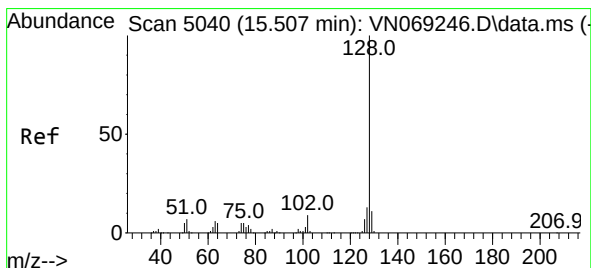
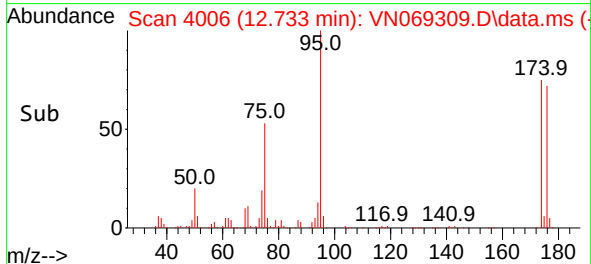
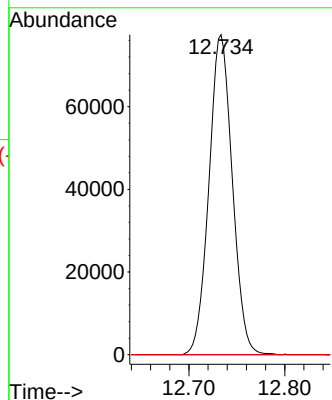
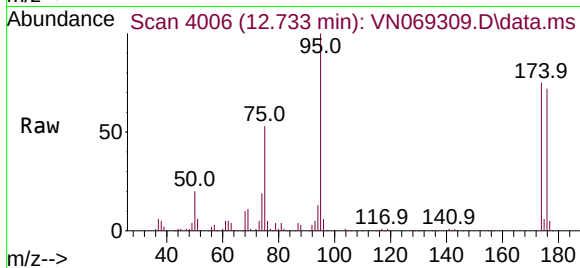




#81
trans-1,4-Dichloro-2-butene
Concen: 64.220 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 130978
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.379 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069309.D
Acq: 29 Oct 2021 18:38

Tgt Ion:128 Resp: 850
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

