

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069578.D
 Acq On : 19 Nov 2021 3:15
 Operator : JC/MD
 Sample : M4736-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:15:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 19 04:51:32 2021
 Response via : Initial Calibration

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

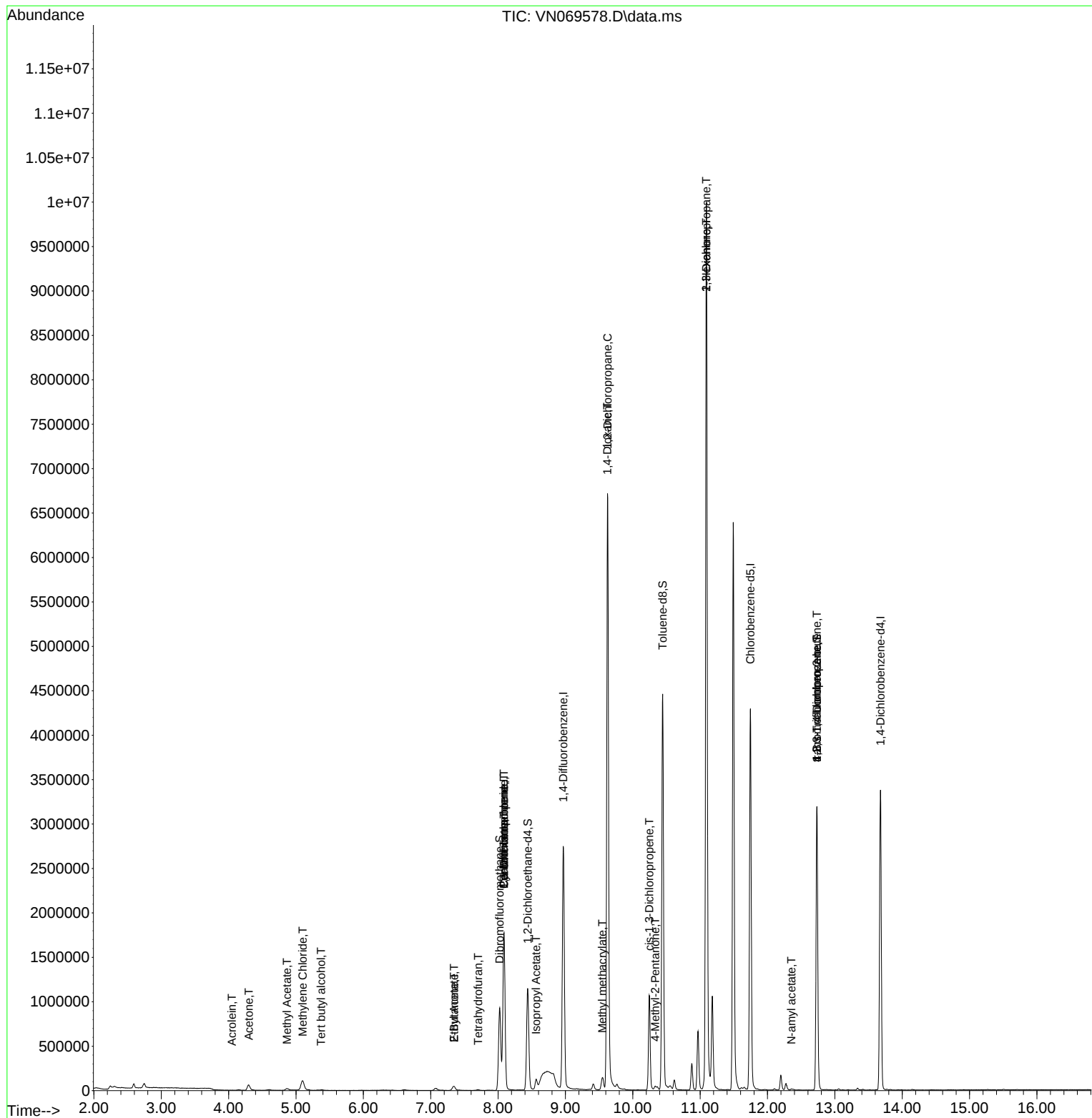
Internal Standards						
1) Pentafluorobenzene	8.088	168	1311881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2332871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2403187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	908319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	984535	51.759	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.520%			
35) Dibromofluoromethane	8.024	113	673915	48.166	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.340%			
50) Toluene-d8	10.443	98	3001706	54.548	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.100%			
62) 4-Bromofluorobenzene	12.734	95	1084735	53.659	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.320%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.372	59	1578	0.460	ug/l #	86
13) Acrolein	4.049	56	737	1.369	ug/l #	29
16) Acetone	4.299	43	113794	11.088	ug/l	96
18) Methyl Acetate	4.867	43	41566	1.246	ug/l #	75
20) Methylene Chloride	5.101	84	78860	5.419	ug/l	86
25) 2-Butanone	7.348	43	69270	4.985	ug/l	92
29) Tetrahydrofuran	7.705	42	6925	0.812	ug/l #	55
31) Cyclohexane	8.086	56	34017	1.309	ug/l #	27
36) 1,1-Dichloropropene	8.088	75	113653	5.790	ug/l #	49
37) Ethyl Acetate	7.348	43	69270	2.611	ug/l #	68
38) Carbon Tetrachloride	8.088	117	136694	7.213	ug/l #	16
43) Isopropyl Acetate	8.566	43	148823	3.492	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	7500	0.463	ug/l #	44
48) Methyl methacrylate	9.547	41	39137	1.952	ug/l #	8
49) 1,4-Dioxane	9.622	88	772	2.159	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	20257	0.736	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	174704	7.571	ug/l #	73
57) 1,3-Dichloropropane	11.092	76	98962	3.701	ug/l #	43
59) 2-Hexanone	11.092	43	1762669	85.974	ug/l #	49
74) N-amyl acetate	12.355	43	10433	0.340	ug/l #	49
76) 1,2,3-Trichloropropane	12.734	75	609796	29.091	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	609796	97.614	ug/l #	5

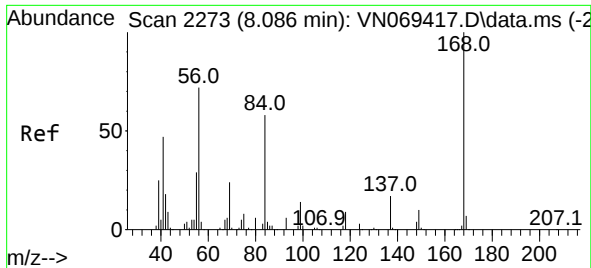
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 19 04:51:32 2021
Response via : Initial Calibration

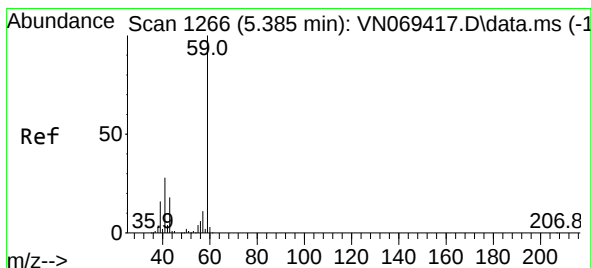
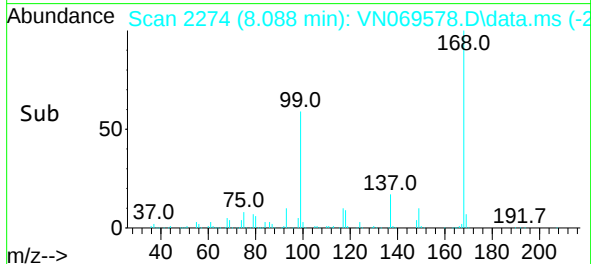
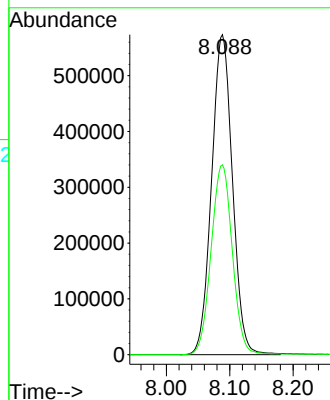
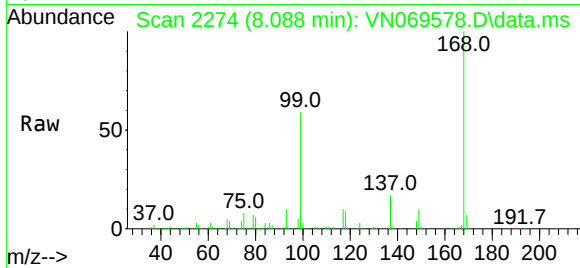




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

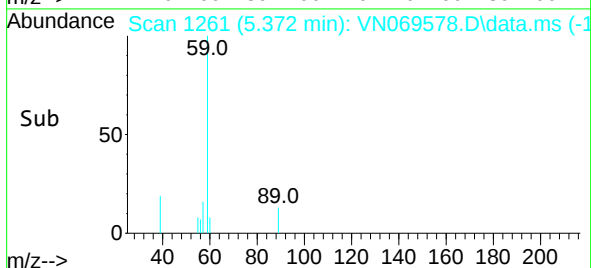
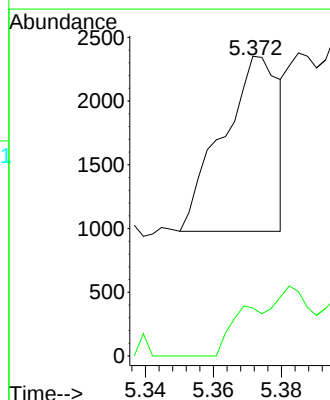
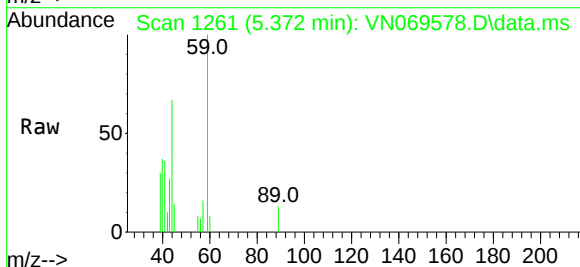
Instrument :
MSVOA_N
ClientSampleId :

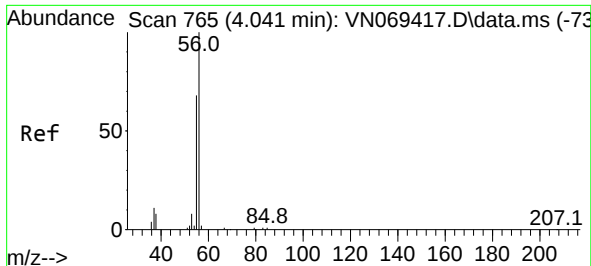
Tgt Ion:168 Resp: 1311881
Ion Ratio Lower Upper
168 100
99 59.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.460 ug/l
RT: 5.372 min Scan# 1261
Delta R.T. -0.013 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Tgt Ion: 59 Resp: 1578
Ion Ratio Lower Upper
59 100
57 16.1 8.7 13.1#

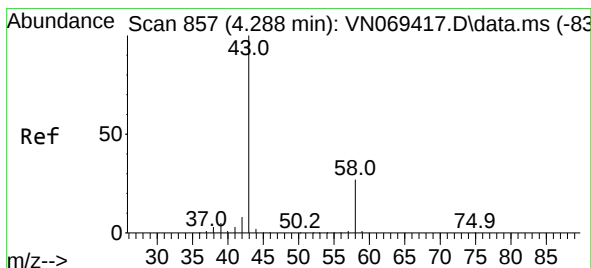
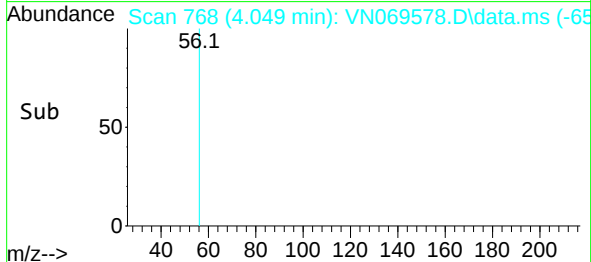
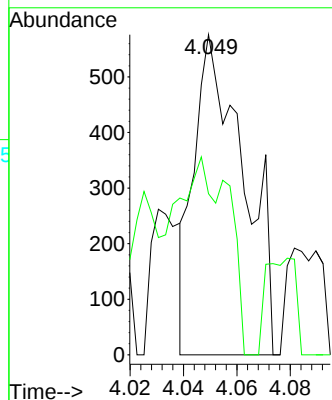
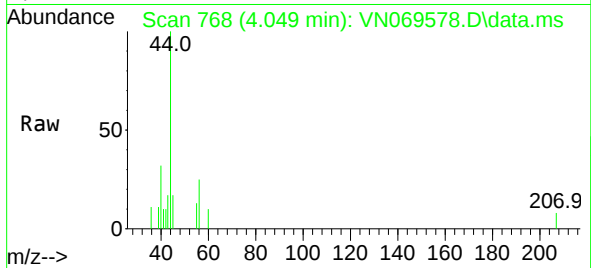




#13
Acrolein
Concen: 1.369 ug/l
RT: 4.049 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

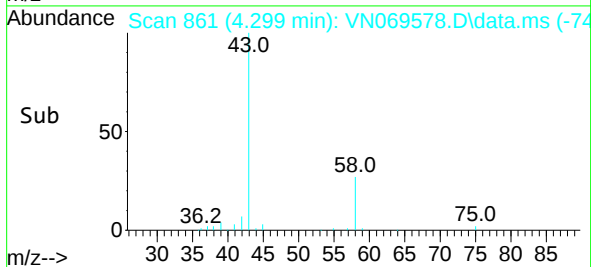
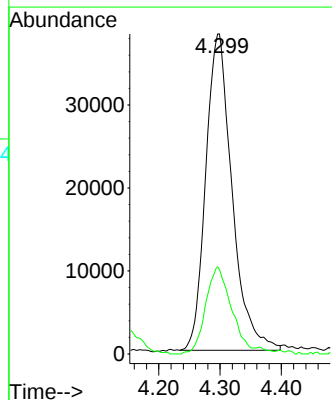
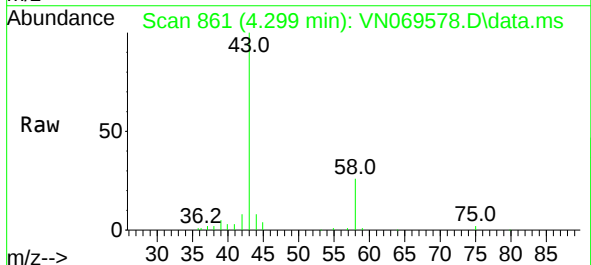
Instrument :
MSVOA_N
ClientSampleId :

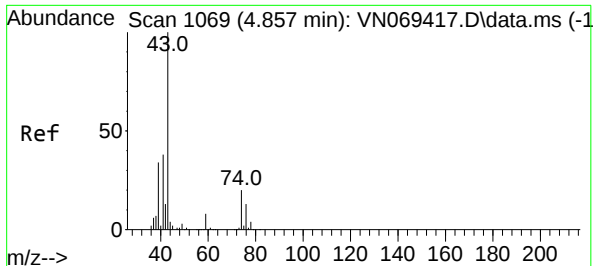
Tgt Ion: 56 Resp: 737
Ion Ratio Lower Upper
56 100
55 12.1 56.6 85.0#



#16
Acetone
Concen: 11.088 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Tgt Ion: 43 Resp: 113794
Ion Ratio Lower Upper
43 100
58 26.8 23.1 34.7





#18

Methyl Acetate

Concen: 1.246 ug/l

RT: 4.867 min Scan# 1160

Delta R.T. 0.010 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

Instrument :

MSVOA_N

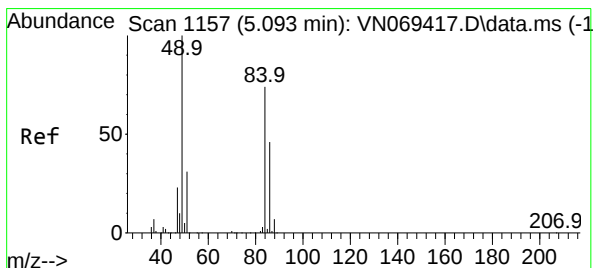
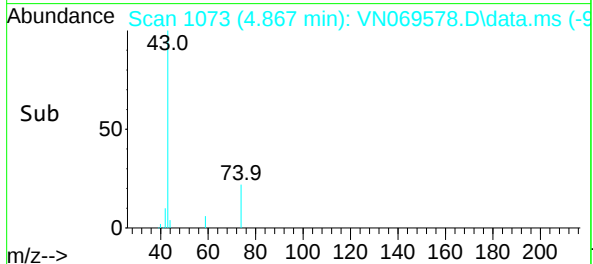
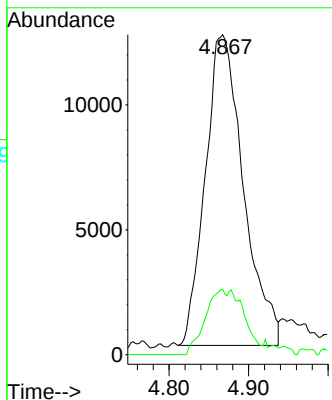
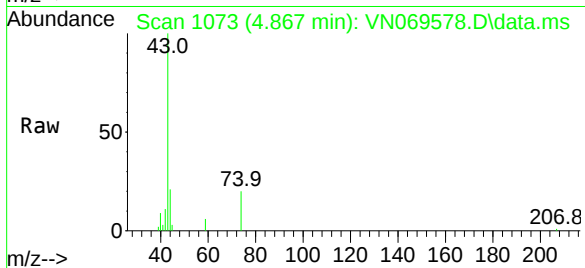
ClientSampleId :

Tgt Ion: 43 Resp: 41566

Ion Ratio Lower Upper

43 100

74 11.8 19.4 29.2#



#20

Methylene Chloride

Concen: 5.419 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.008 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

Tgt Ion: 84 Resp: 78860

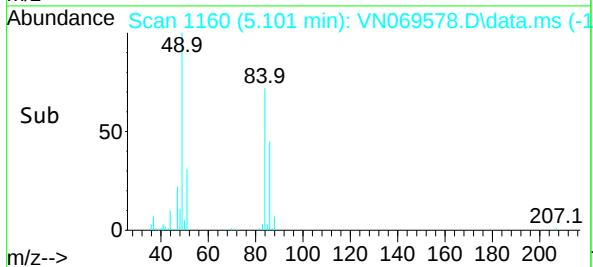
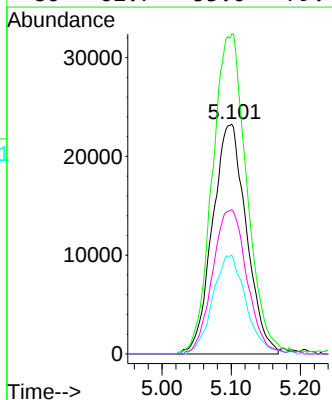
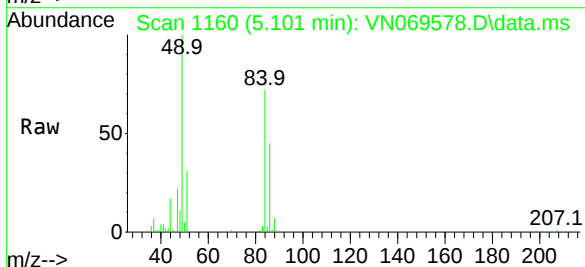
Ion Ratio Lower Upper

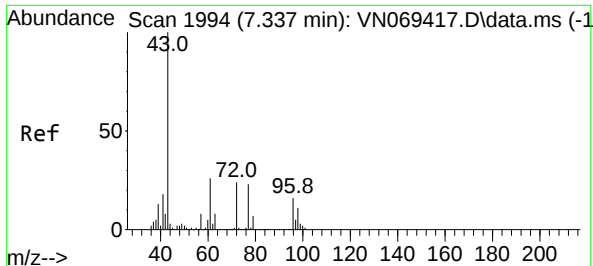
84 100

49 138.6 93.5 140.3

51 43.0 29.4 44.2

86 62.7 53.0 79.4





#25

2-Butanone

Concen: 4.985 ug/l

RT: 7.348 min Scan# 1994

Delta R.T. 0.011 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

Instrument :

MSVOA_N

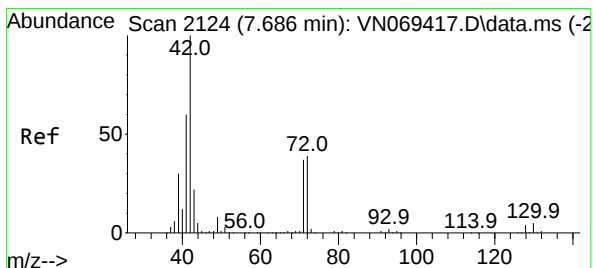
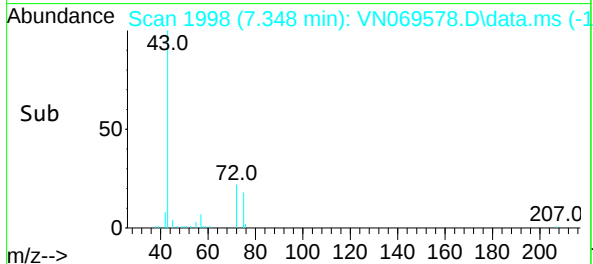
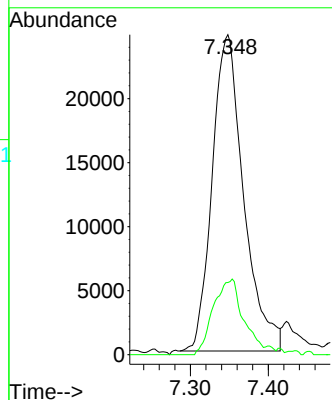
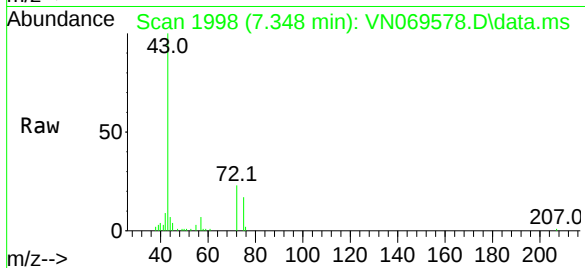
ClientSampleId :

Tgt Ion: 43 Resp: 69270

Ion Ratio Lower Upper

43 100

72 22.8 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.812 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.019 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

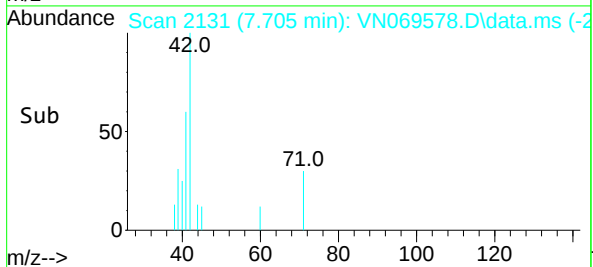
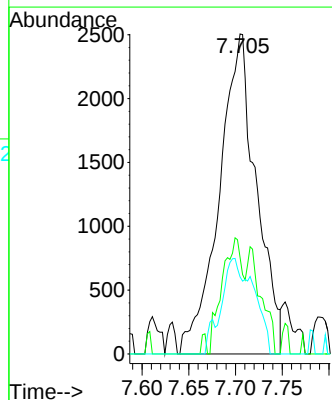
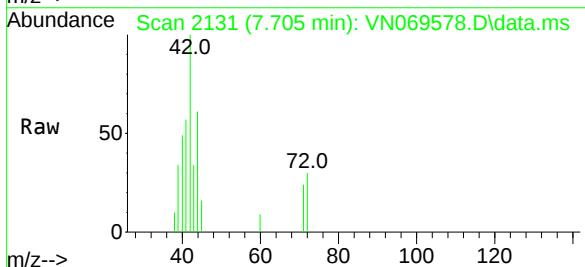
Tgt Ion: 42 Resp: 6925

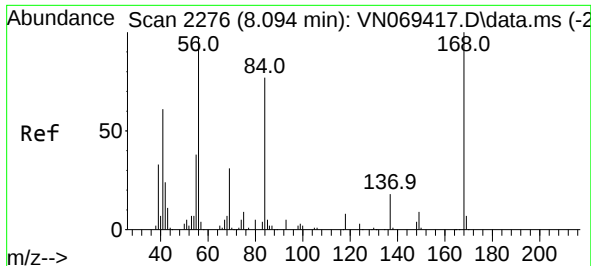
Ion Ratio Lower Upper

42 100

72 20.4 36.3 54.5#

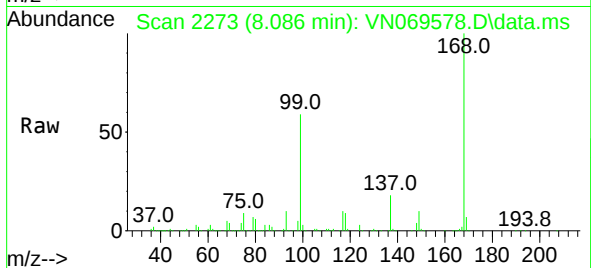
71 9.4 34.7 52.1#



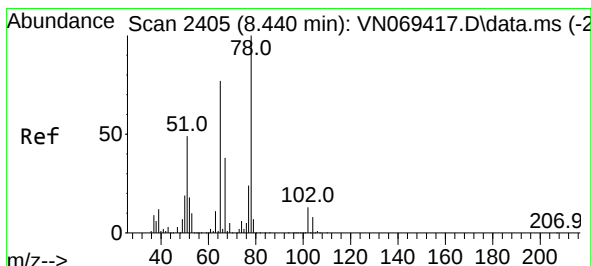
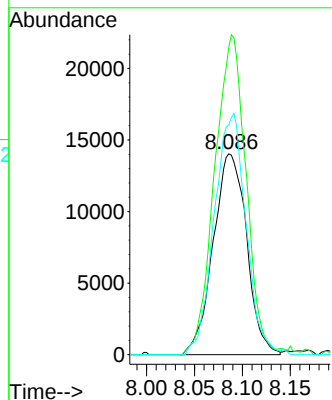
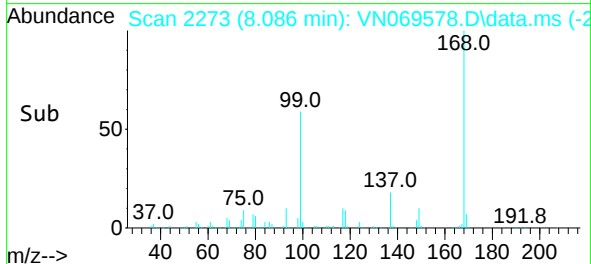


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Instrument :
MSVOA_N
ClientSampleId :

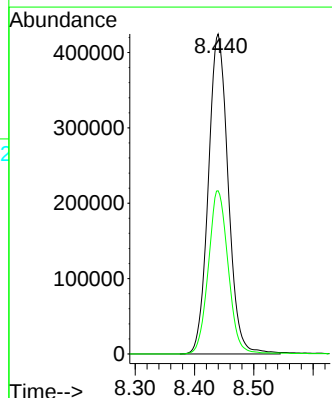
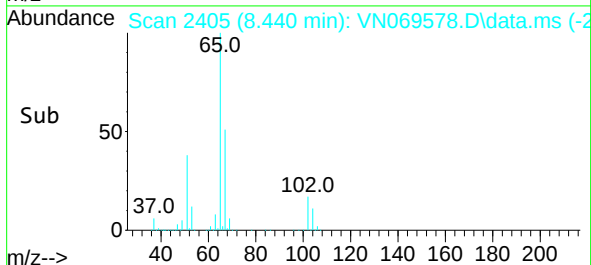
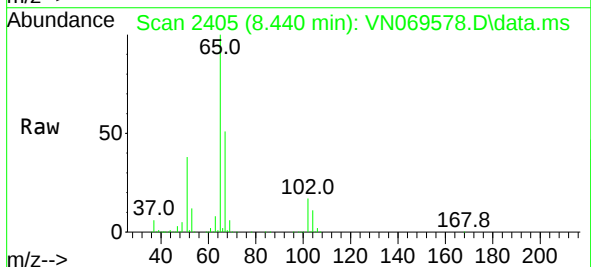


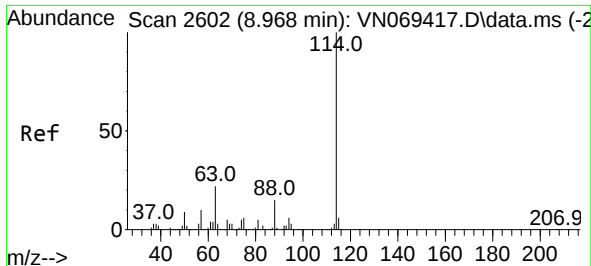
Tgt Ion: 56 Resp: 34017
Ion Ratio Lower Upper
56 100
69 152.7 27.1 40.7#
84 114.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.759 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

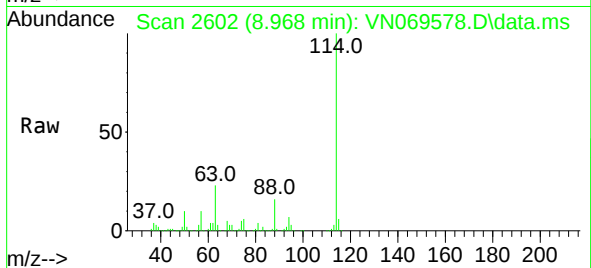
Tgt Ion: 65 Resp: 984535
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0



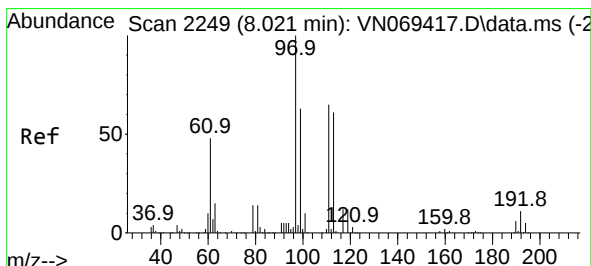
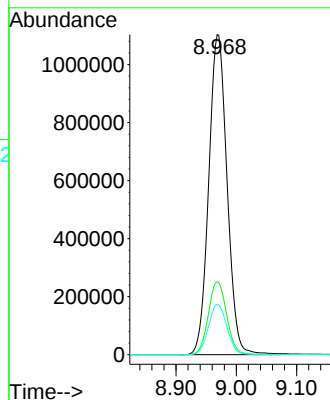
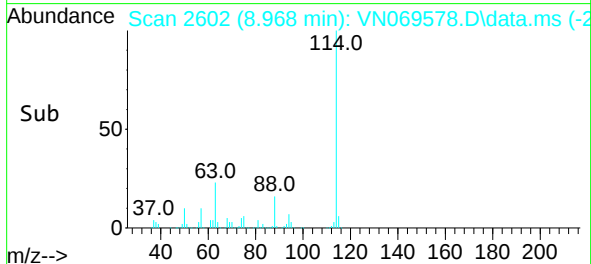


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

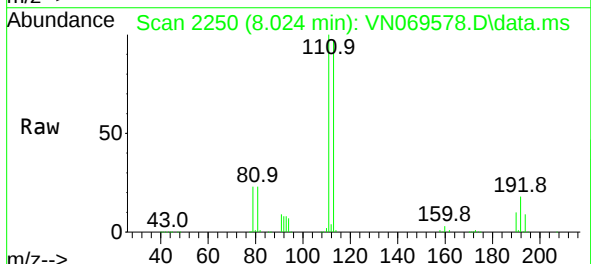
Instrument :
MSVOA_N
ClientSampleId :



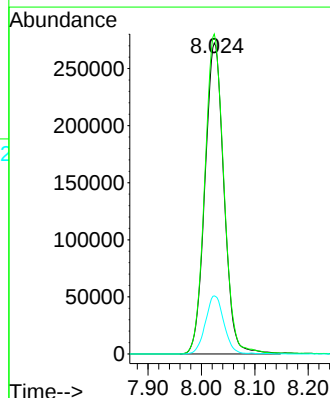
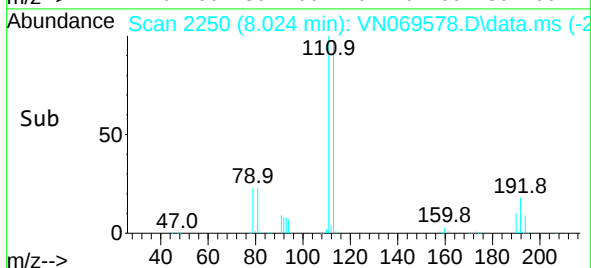
Tgt Ion:114 Resp: 2332871
Ion Ratio Lower Upper
114 100
63 22.8 0.0 37.8
88 15.8 0.0 27.4

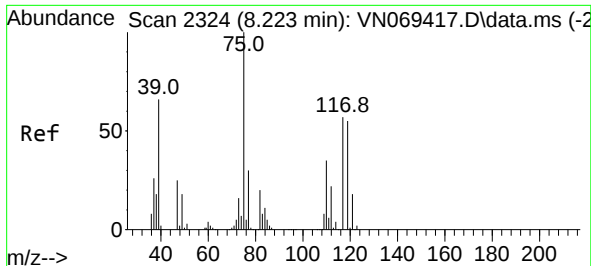


#35
Dibromofluoromethane
Concen: 48.166 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15



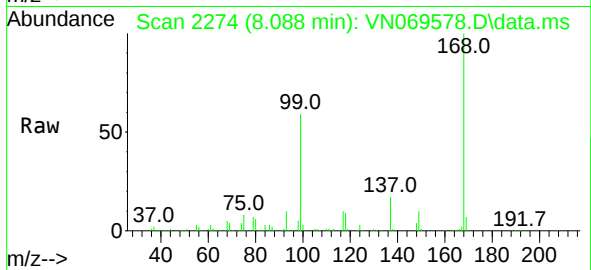
Tgt Ion:113 Resp: 673915
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 18.1 16.9 25.3



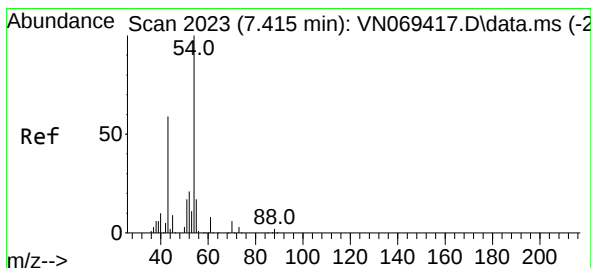
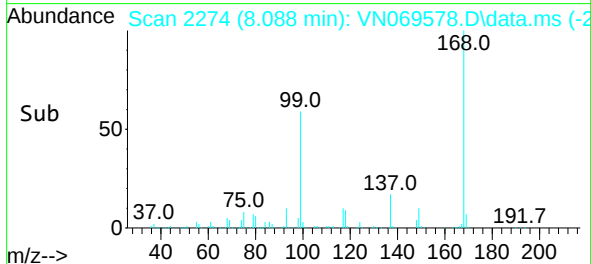
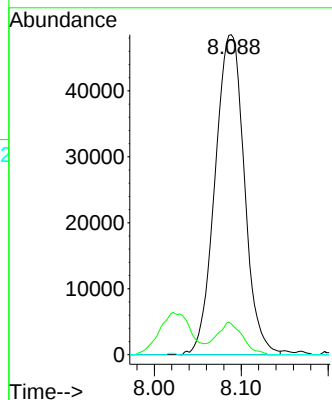


#36
1,1-Dichloropropene
Concen: 5.790 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.135 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Instrument :
MSVOA_N
ClientSampleId :

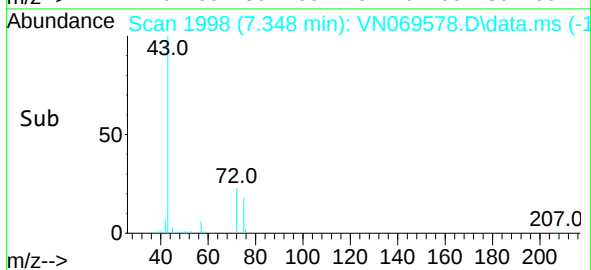
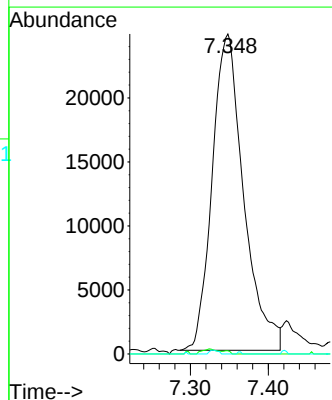
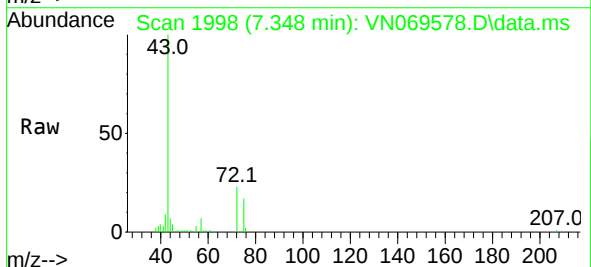


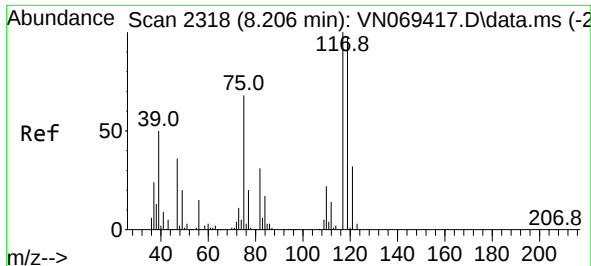
Tgt Ion: 75 Resp: 113653
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.611 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

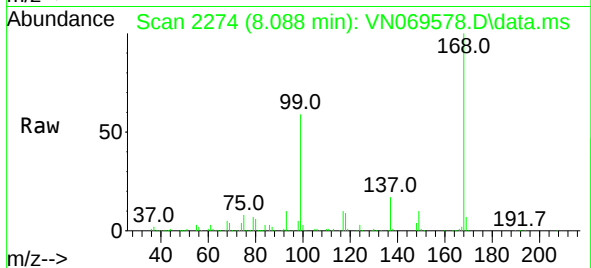
Tgt Ion: 43 Resp: 69270
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#



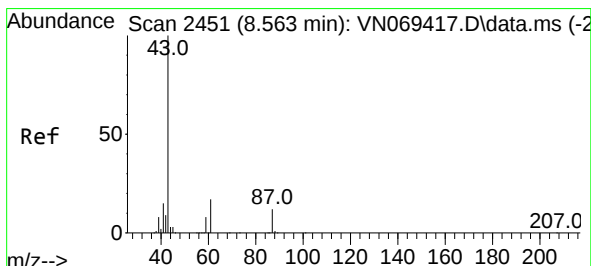
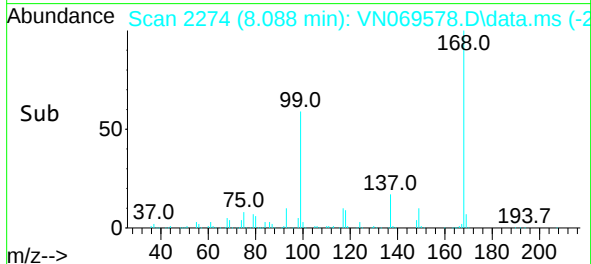
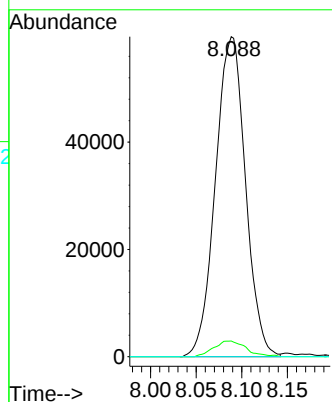


#38
Carbon Tetrachloride
Concen: 7.213 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Instrument :
MSVOA_N
ClientSampleId :

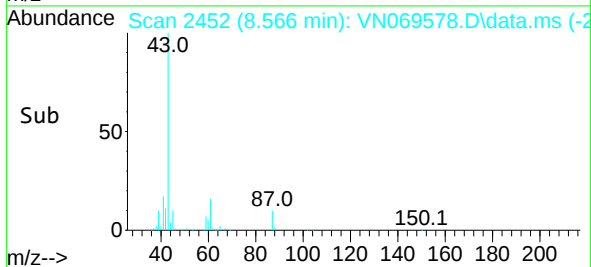
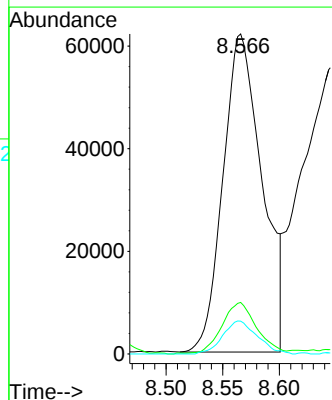
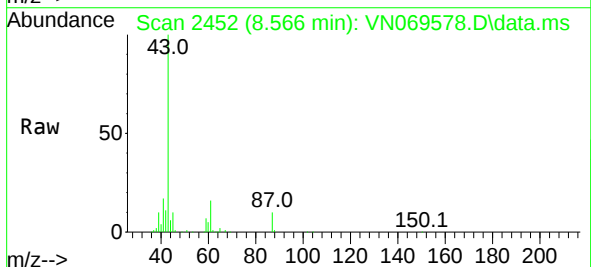


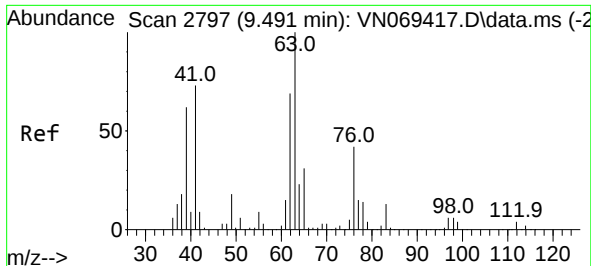
Tgt Ion:117 Resp: 136694
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.492 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Tgt Ion: 43 Resp: 148823
Ion Ratio Lower Upper
43 100
61 13.9 20.4 30.6#
87 9.2 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.463 ug/l

RT: 9.625 min Scan# 21

Delta R.T. 0.134 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

Instrument :

MSVOA_N

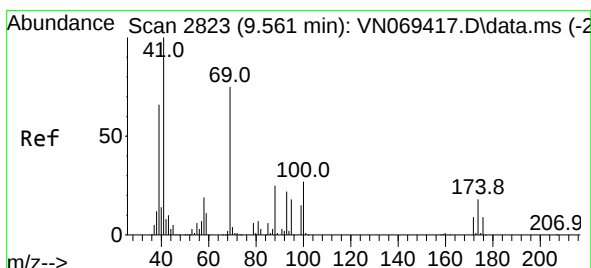
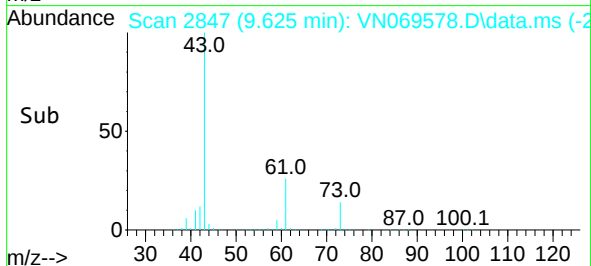
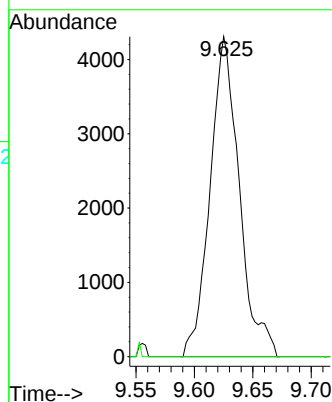
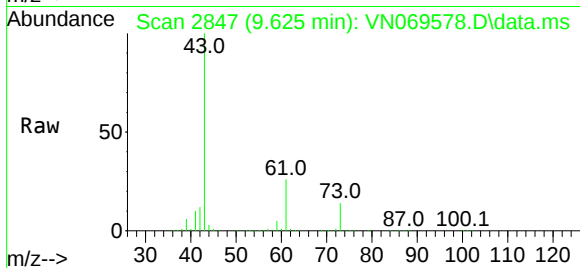
ClientSampleId :

Tgt Ion: 63 Resp: 7500

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.952 ug/l

RT: 9.547 min Scan# 2818

Delta R.T. -0.014 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

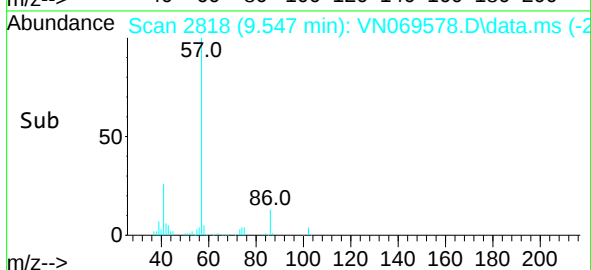
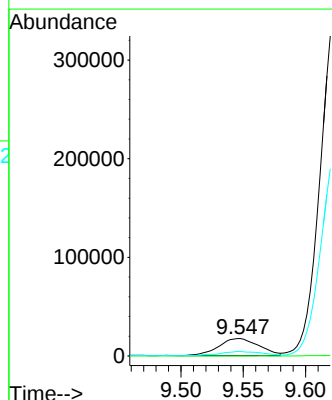
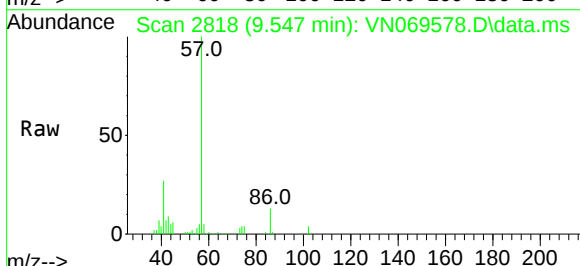
Tgt Ion: 41 Resp: 39137

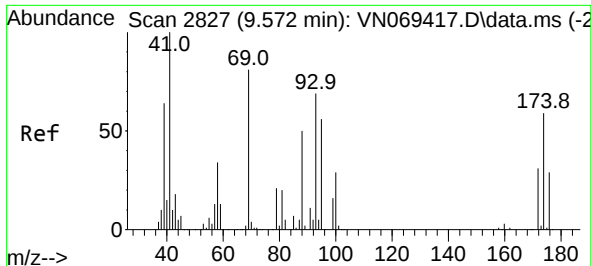
Ion Ratio Lower Upper

41 100

69 0.2 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 2.159 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.050 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

Instrument :

MSVOA_N

ClientSampleId :

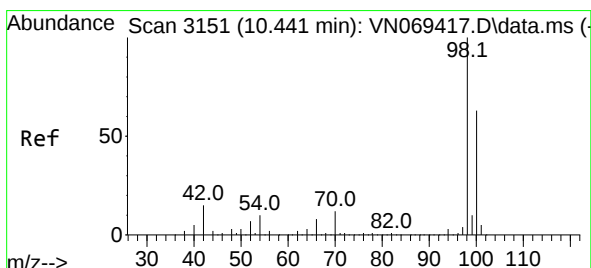
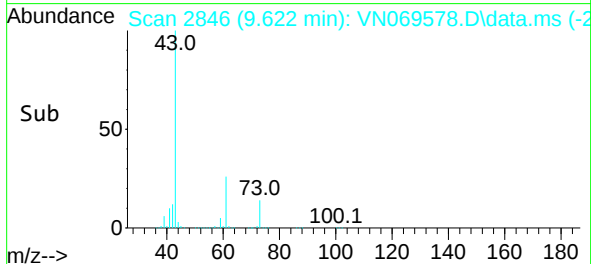
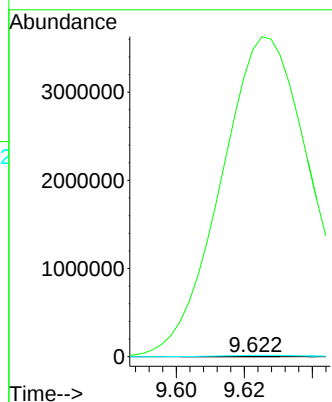
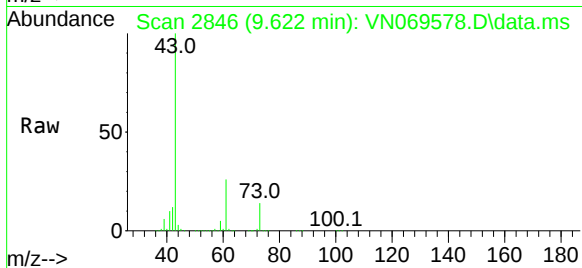
Tgt Ion: 88 Resp: 772

Ion Ratio Lower Upper

88 100

43 907090.3 23.4 35.2#

58 3737.2 50.6 75.8#



#50

Toluene-d8

Concen: 54.548 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN069578.D

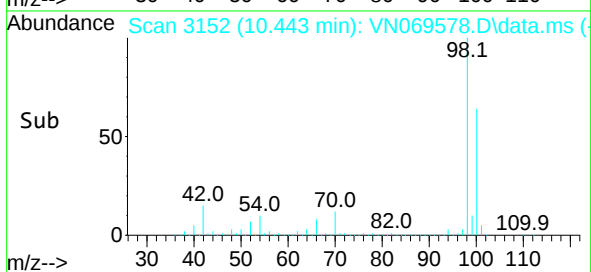
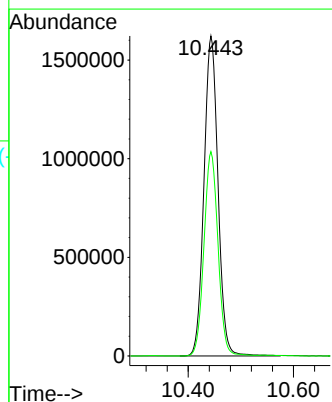
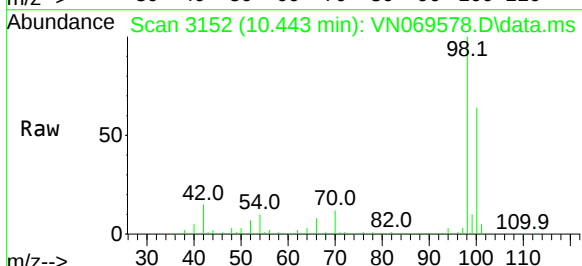
Acq: 19 Nov 2021 3:15

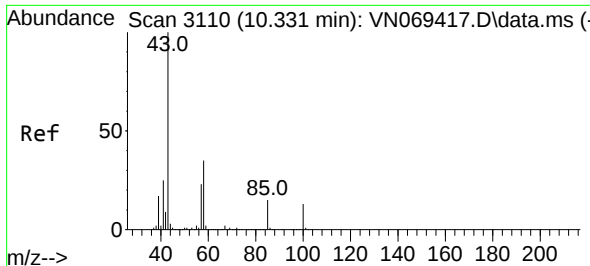
Tgt Ion: 98 Resp: 3001706

Ion Ratio Lower Upper

98 100

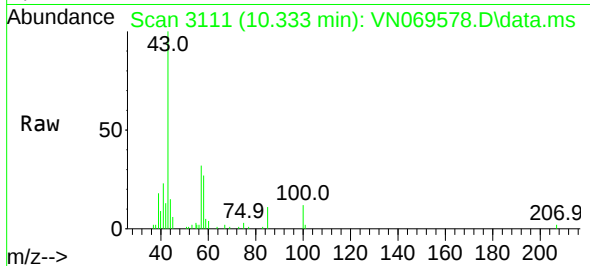
100 63.8 50.4 75.6



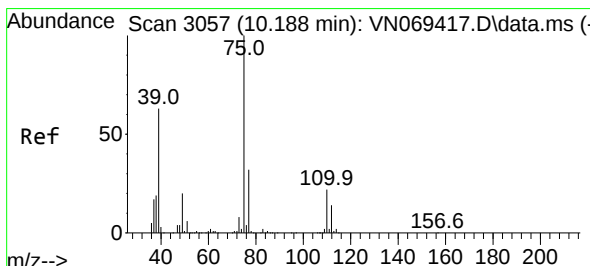
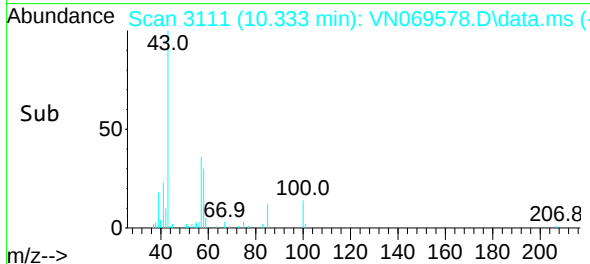
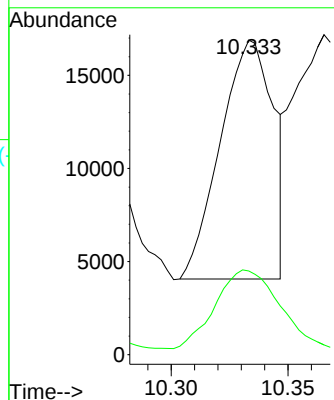


#51
4-Methyl-2-Pentanone
Concen: 0.736 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Instrument :
MSVOA_N
ClientSampleId :

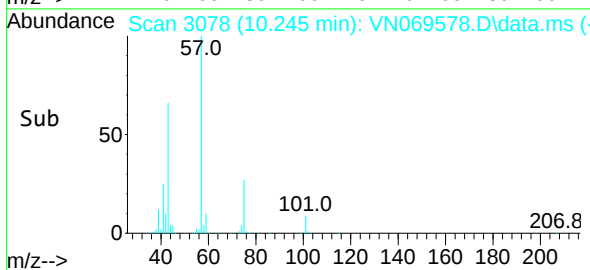
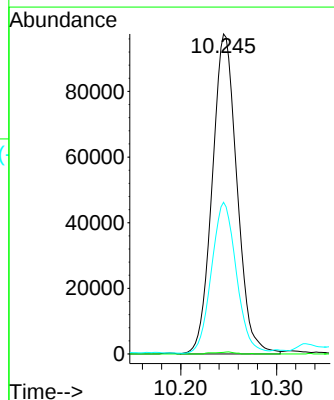
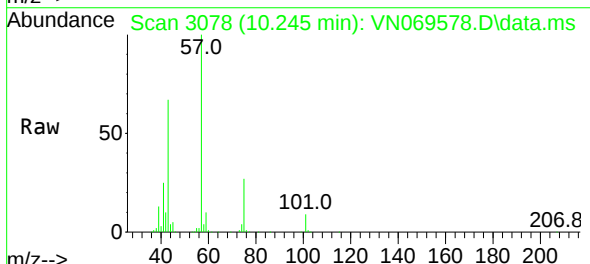


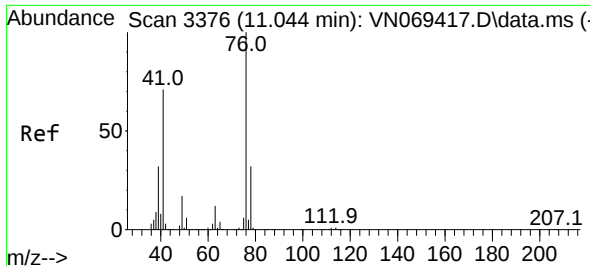
Tgt Ion: 43 Resp: 20257
Ion Ratio Lower Upper
43 100
58 42.8 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 7.571 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.057 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Tgt Ion: 75 Resp: 174704
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 47.2 42.5 63.7

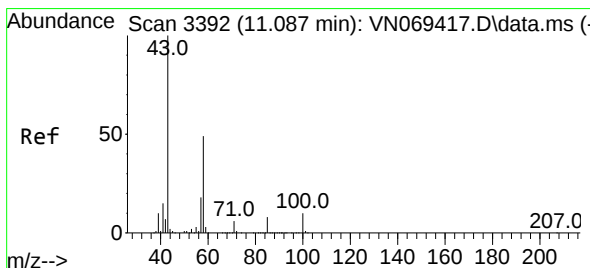
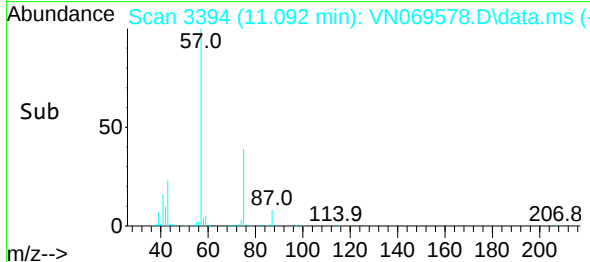
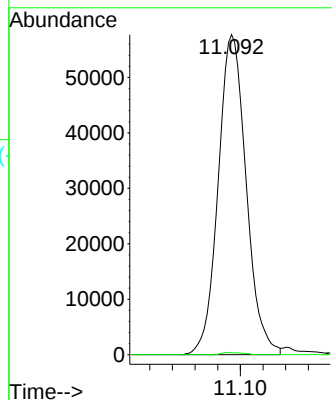
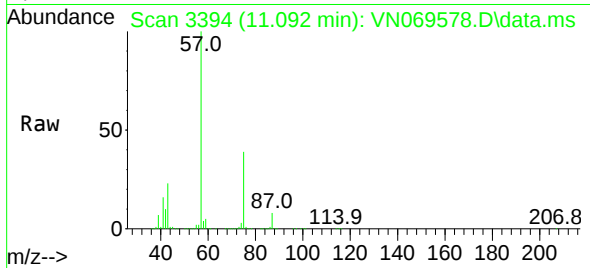




#57
1,3-Dichloropropane
Concen: 3.701 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.048 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

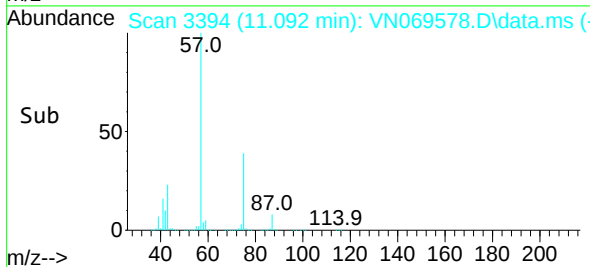
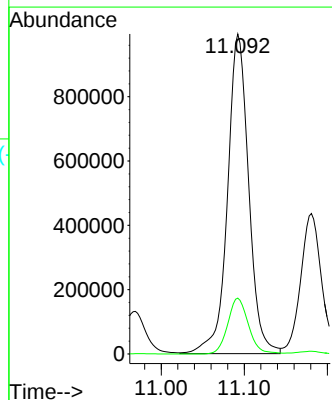
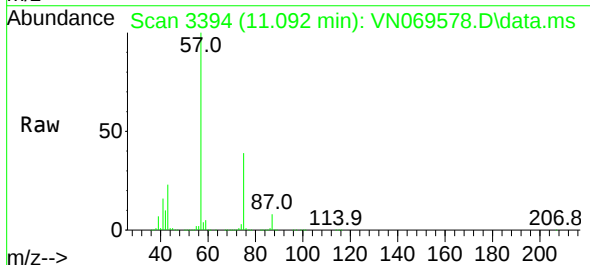
Instrument :
MSVOA_N
ClientSampleId :

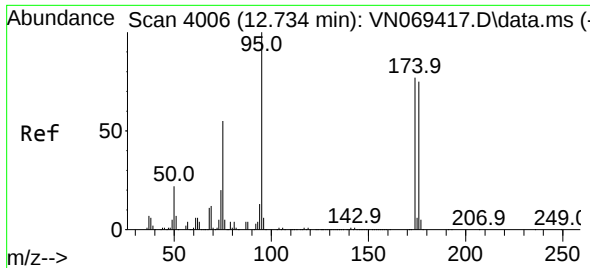
Tgt Ion: 76 Resp: 98962
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 85.974 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Tgt Ion: 43 Resp: 1762669
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#

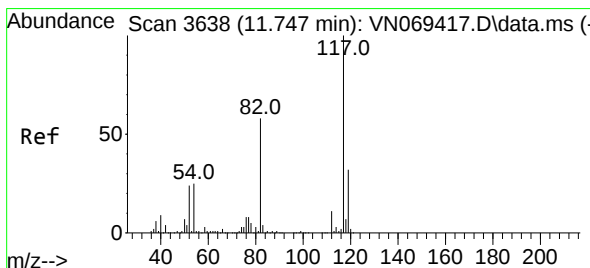
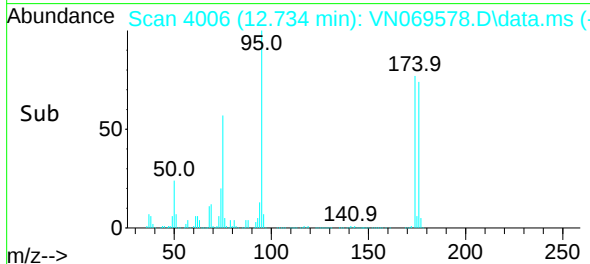
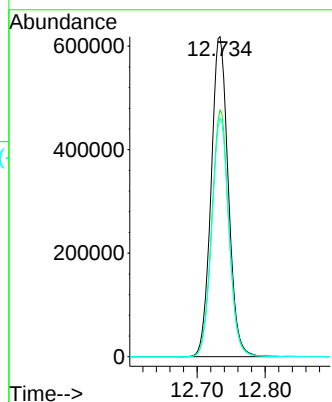
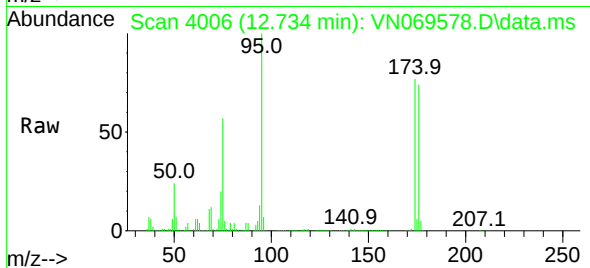




#62
4-Bromofluorobenzene
Concen: 53.659 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

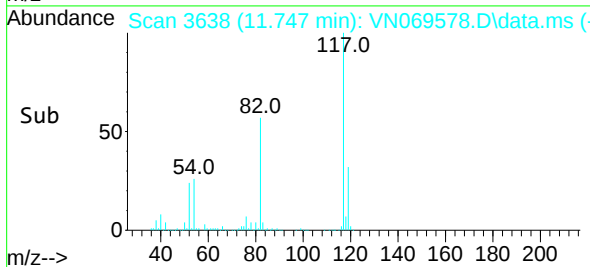
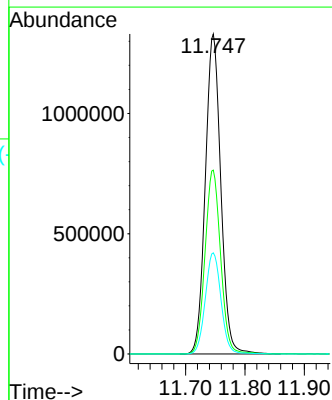
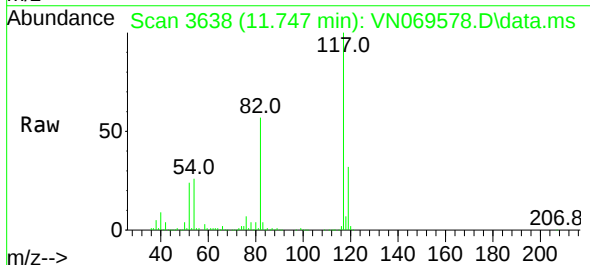
Instrument :
MSVOA_N
ClientSampleId :

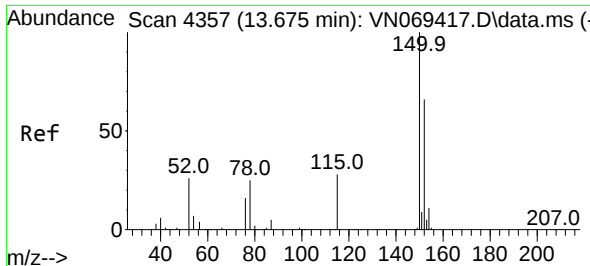
Tgt Ion: 95 Resp: 1084735
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 74.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Tgt Ion: 117 Resp: 2403187
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 31.6 25.4 38.2

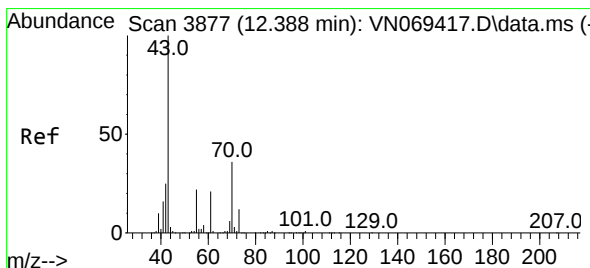
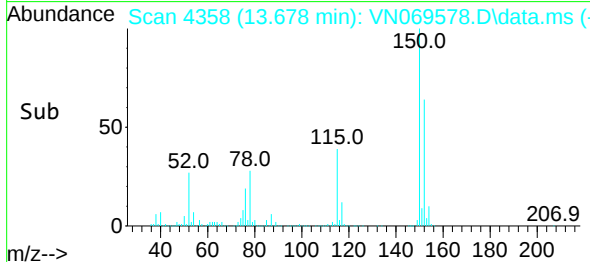
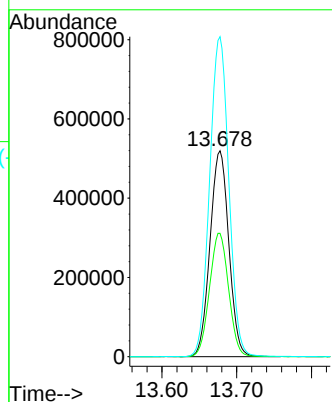
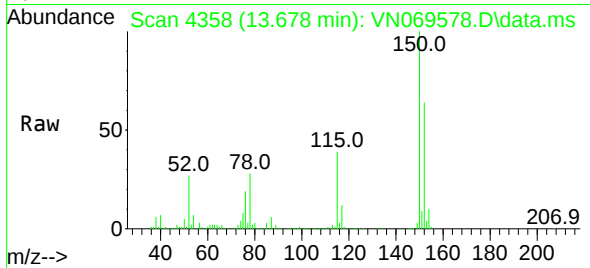




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

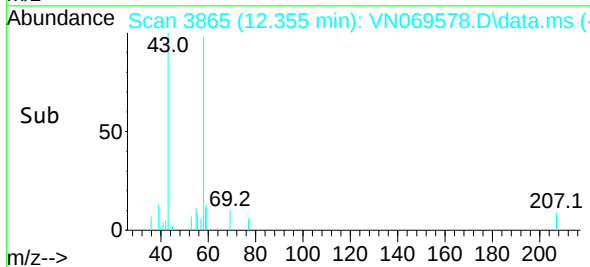
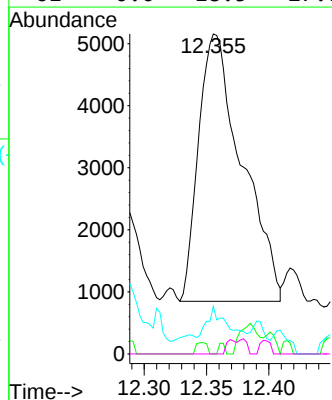
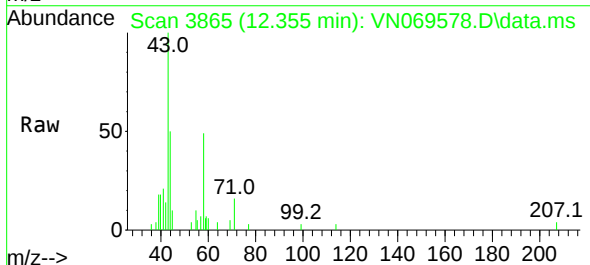
Instrument :
MSVOA_N
ClientSampleId :

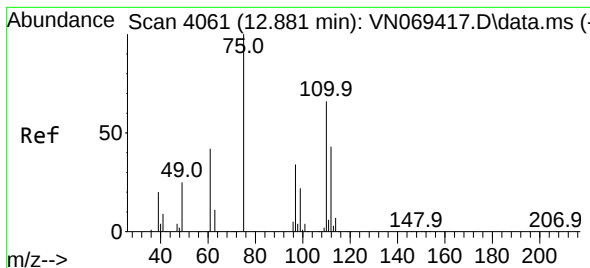
Tgt Ion:152 Resp: 908319
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 158.0 0.0 344.4



#74
N-ethyl acetate
Concen: 0.340 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.033 min
Lab File: VN069578.D
Acq: 19 Nov 2021 3:15

Tgt Ion: 43 Resp: 10433
Ion Ratio Lower Upper
43 100
70 0.5 33.4 50.0#
55 9.3 19.3 28.9#
61 0.0 18.5 27.7#





#76

1,2,3-Trichloropropane

Concen: 29.091 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.147 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

Instrument :

MSVOA_N

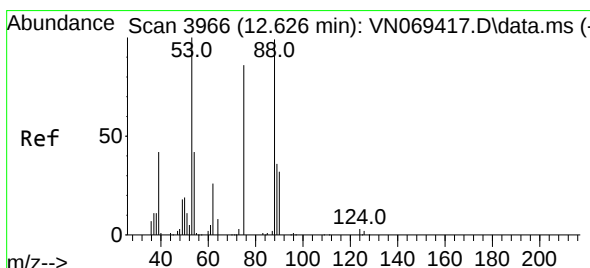
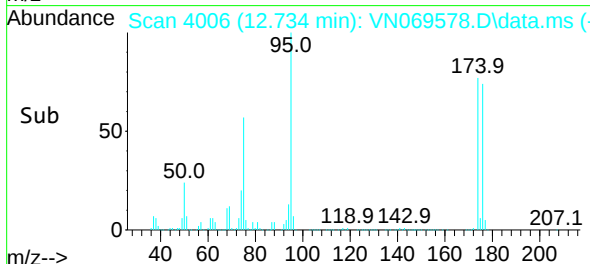
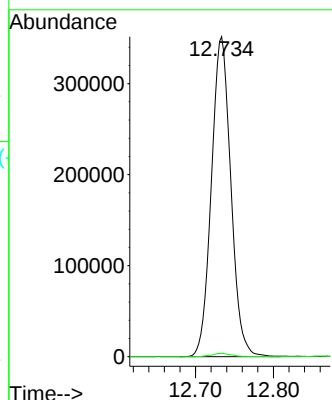
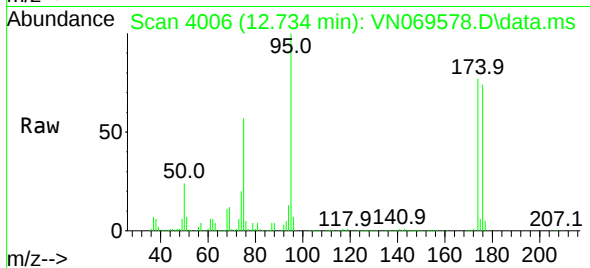
ClientSampleId :

Tgt Ion: 75 Resp: 609796

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.614 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. 0.108 min

Lab File: VN069578.D

Acq: 19 Nov 2021 3:15

Tgt Ion: 75 Resp: 609796

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 38.2 57.4#

