

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069576.D
 Acq On : 19 Nov 2021 2:23
 Operator : JC/MD
 Sample : PB140886ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:15:34 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

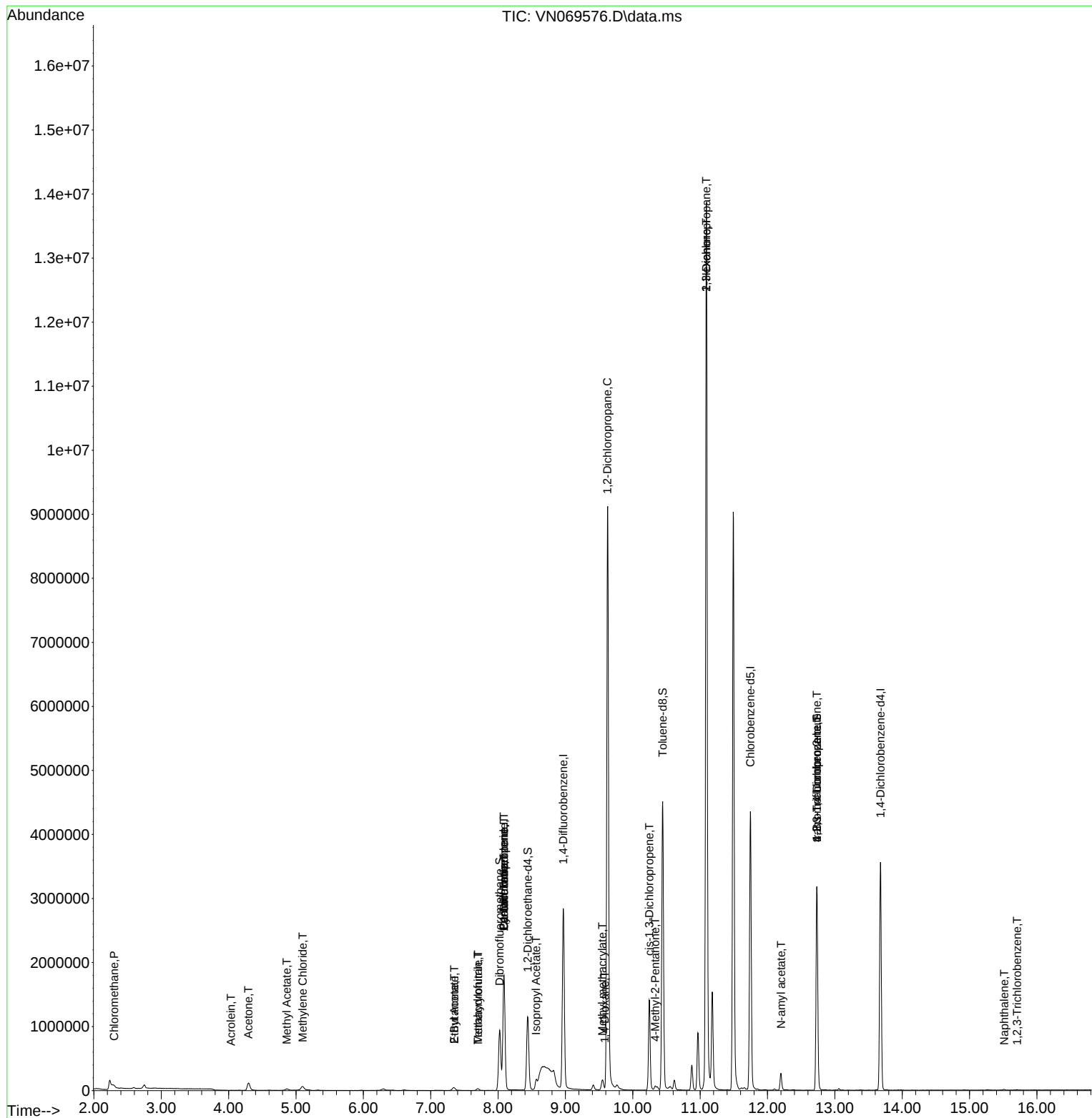
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1321712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2381557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2448709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	934821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	987251	51.516	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.040%	
35) Dibromofluoromethane	8.024	113	679346	47.561	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.120%	
50) Toluene-d8	10.443	98	3040624	54.126	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.260%	
62) 4-Bromofluorobenzene	12.734	95	1109634	53.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.540%	
Target Compounds						Qvalue
3) Chloromethane	2.301	50	4500	0.275	ug/l	93
13) Acrolein	4.033	56	264	0.487	ug/l #	32
16) Acetone	4.293	43	225938	21.851	ug/l	94
18) Methyl Acetate	4.865	43	48116	1.432	ug/l #	78
20) Methylene Chloride	5.098	84	41190	2.809	ug/l #	86
25) 2-Butanone	7.351	43	61909	4.422	ug/l	91
29) Tetrahydrofuran	7.702	42	24757	2.881	ug/l #	58
31) Cyclohexane	8.088	56	33691	1.287	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	113351	5.656	ug/l #	50
37) Ethyl Acetate	7.351	43	61909	2.285	ug/l #	69
38) Carbon Tetrachloride	8.088	117	138751	7.172	ug/l #	16
41) Methacrylonitrile	7.705	41	13464	0.962	ug/l #	43
43) Isopropyl Acetate	8.566	43	193544	4.448	ug/l #	83
45) 1,2-Dichloropropane	9.623	63	10627	0.643	ug/l #	44
48) Methyl methacrylate	9.547	41	45196	2.208	ug/l #	8
49) 1,4-Dioxane	9.582	88	668	1.830	ug/l #	27
51) 4-Methyl-2-Pentanone	10.336	43	36695	1.307	ug/l	94
54) cis-1,3-Dichloropropene	10.245	75	226062	9.597	ug/l #	72
57) 1,3-Dichloropropane	11.092	76	140158	5.135	ug/l #	43
59) 2-Hexanone	11.092	43	2399794	114.657	ug/l #	48
74) N-amyl acetate	12.200	43	95466	3.026	ug/l #	52
76) 1,2,3-Trichloropropane	12.734	75	619154	28.700	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	619154	96.302	ug/l #	5
95) Naphthalene	15.515	128	9482	0.286	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.705	180	2410	0.203	ug/l	88

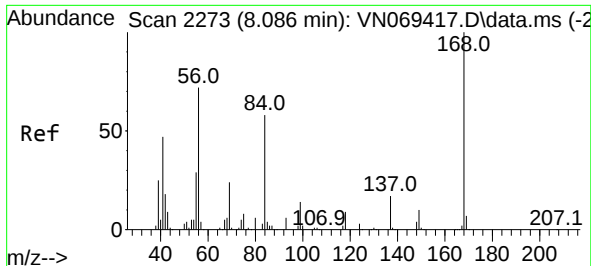
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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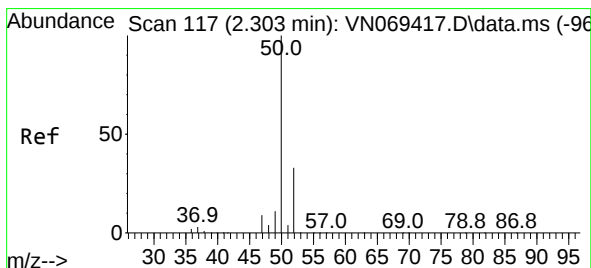
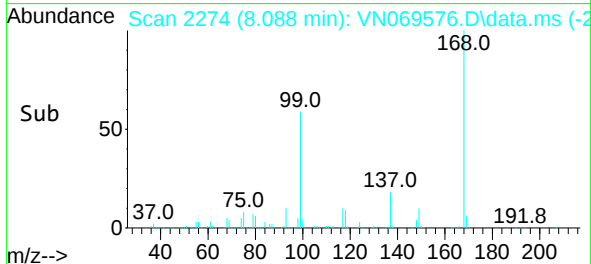
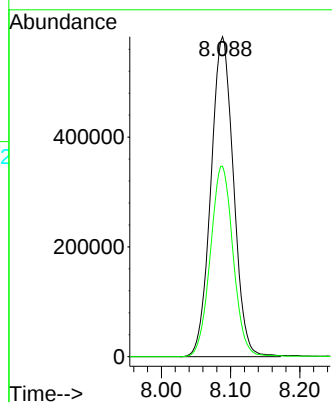
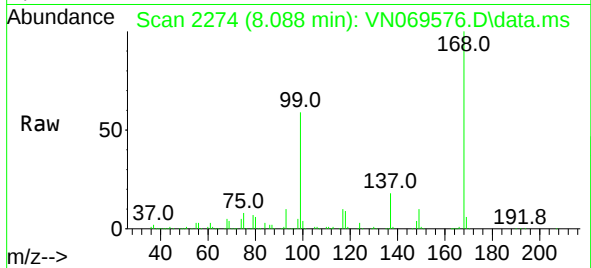




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

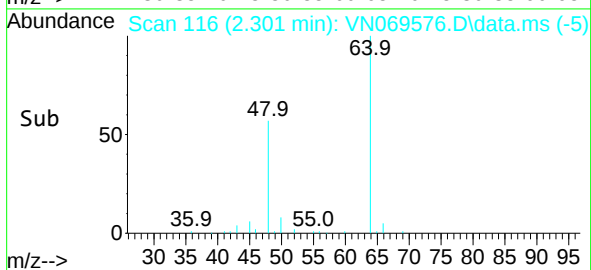
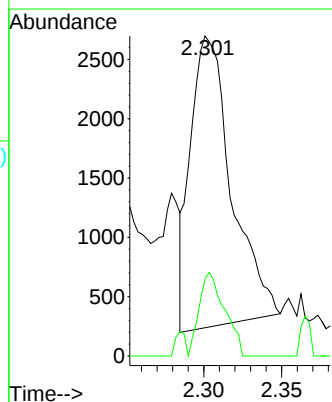
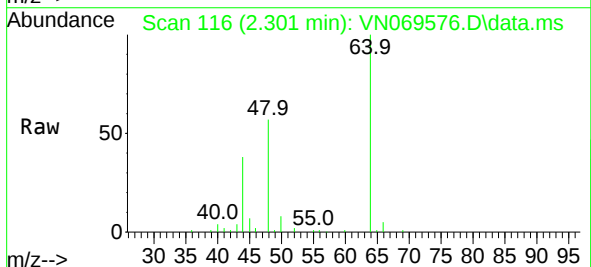
Instrument :
MSVOA_N
ClientSampleId :

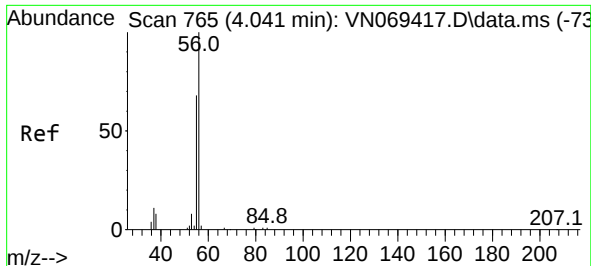
Tgt Ion:168 Resp: 1321712
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

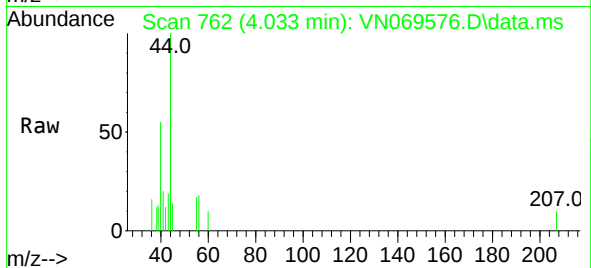
Tgt Ion: 50 Resp: 4500
Ion Ratio Lower Upper
50 100
52 27.7 25.4 38.0



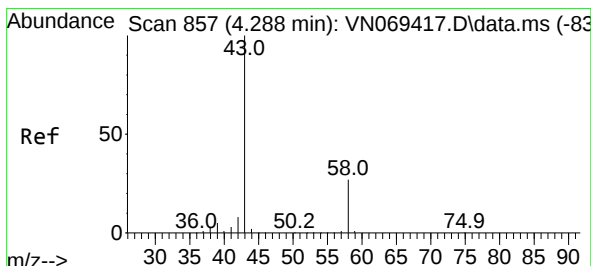
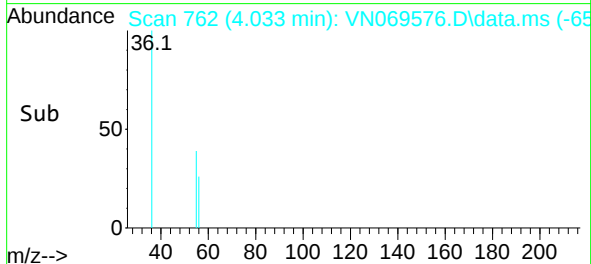
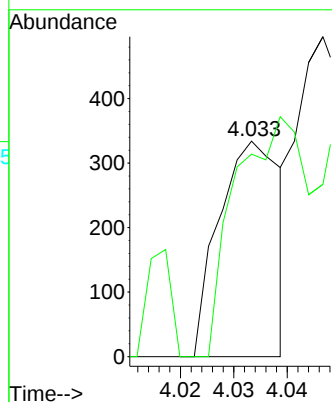


#13
Acrolein
Concen: 0.487 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Instrument :
MSVOA_N
ClientSampleId :

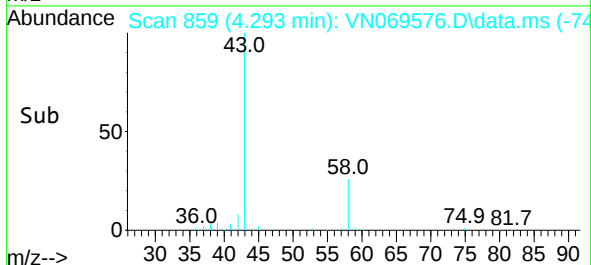
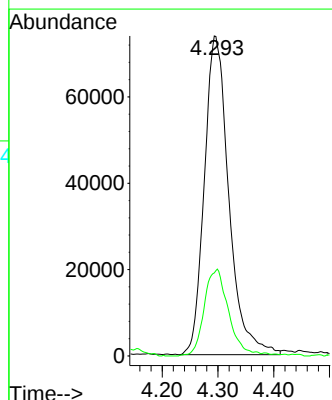
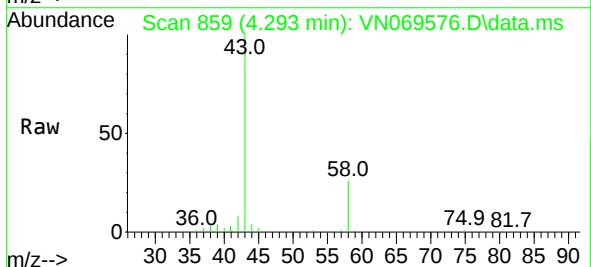


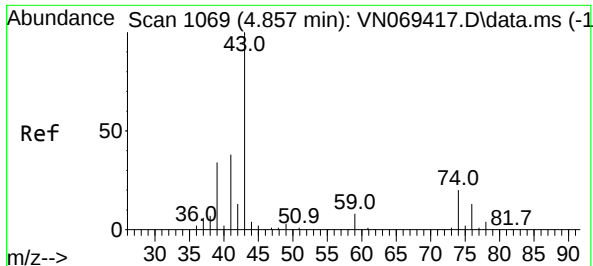
Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 127.3 56.6 85.0#



#16
Acetone
Concen: 21.851 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Tgt Ion: 43 Resp: 225938
Ion Ratio Lower Upper
43 100
58 25.8 23.1 34.7





#18

Methyl Acetate

Concen: 1.432 ug/l

RT: 4.865 min Scan# 1

Delta R.T. 0.008 min

Lab File: VN069576.D

Acq: 19 Nov 2021 2:23

Instrument :

MSVOA_N

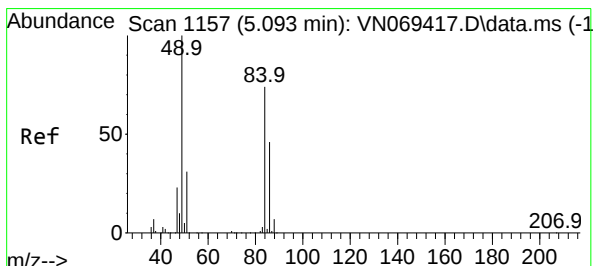
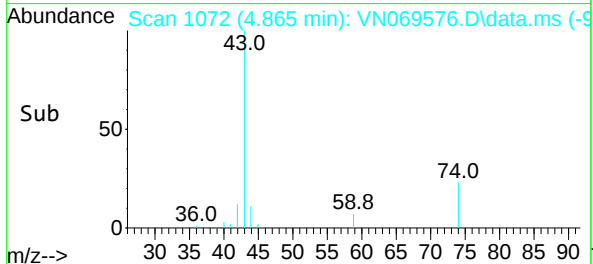
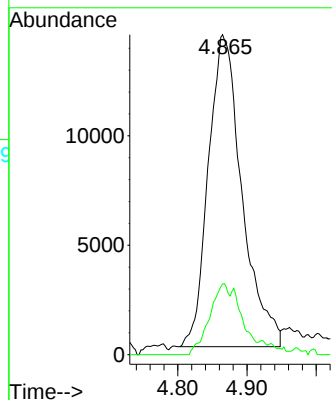
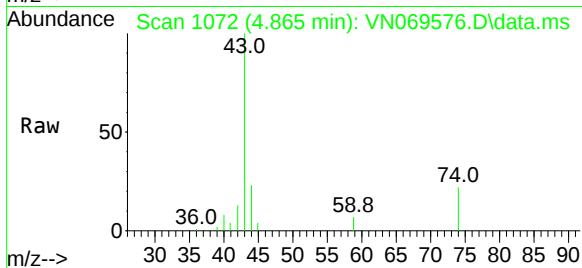
ClientSampleId :

Tgt Ion: 43 Resp: 48116

Ion Ratio Lower Upper

43 100

74 13.3 19.4 29.2#



#20

Methylene Chloride

Concen: 2.809 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.005 min

Lab File: VN069576.D

Acq: 19 Nov 2021 2:23

Tgt Ion: 84 Resp: 41190

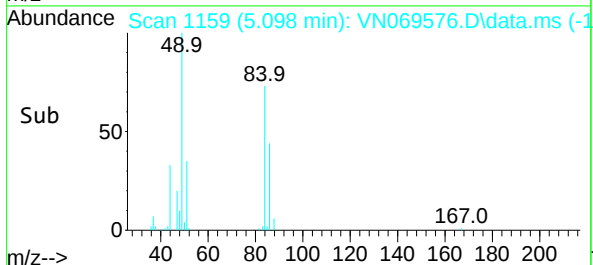
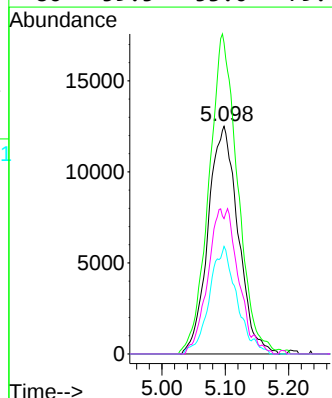
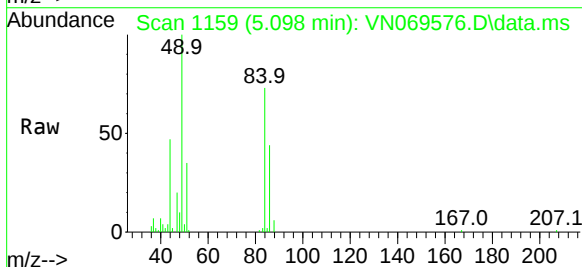
Ion Ratio Lower Upper

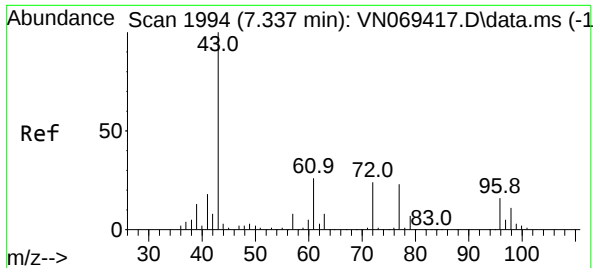
84 100

49 135.4 93.5 140.3

51 47.2 29.4 44.2#

86 59.5 53.0 79.4





#25

2-Butanone

Concen: 4.422 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.014 min

Lab File: VN069576.D

Acq: 19 Nov 2021 2:23

Instrument :

MSVOA_N

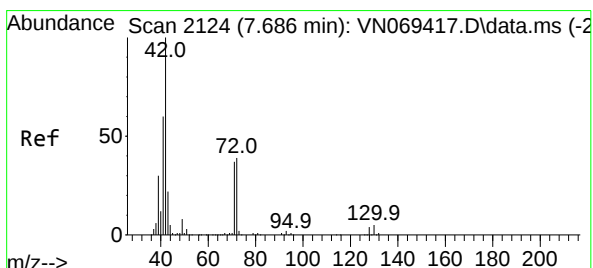
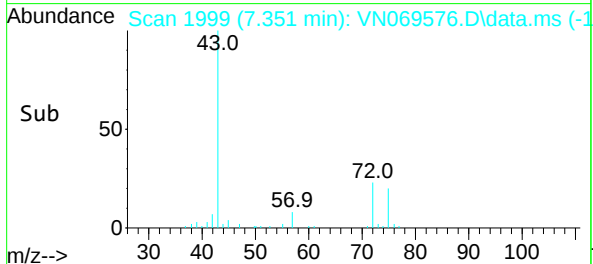
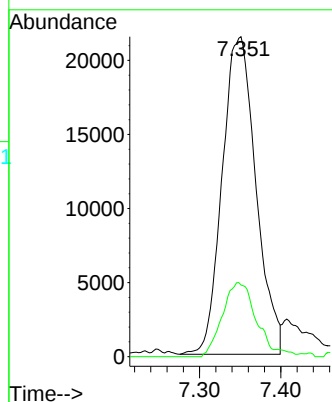
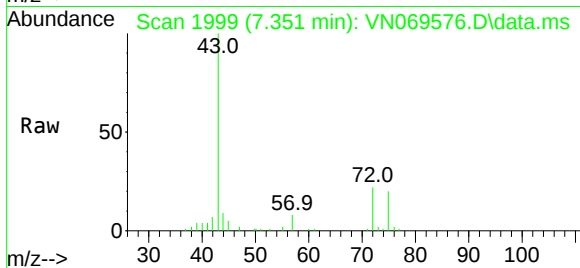
ClientSampleId :

Tgt Ion: 43 Resp: 61909

Ion Ratio Lower Upper

43 100

72 22.6 21.7 32.5



#29

Tetrahydrofuran

Concen: 2.881 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.016 min

Lab File: VN069576.D

Acq: 19 Nov 2021 2:23

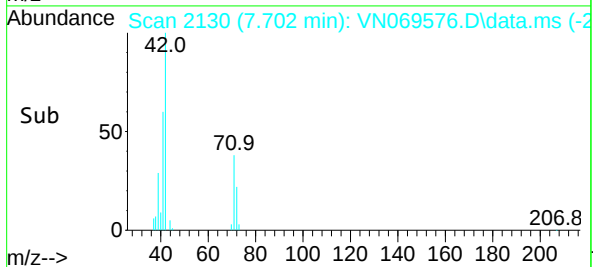
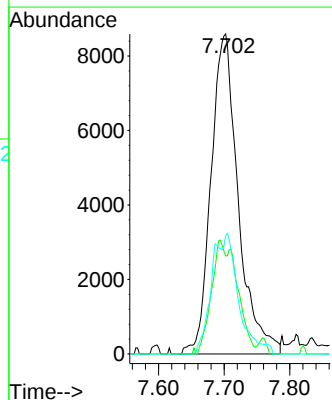
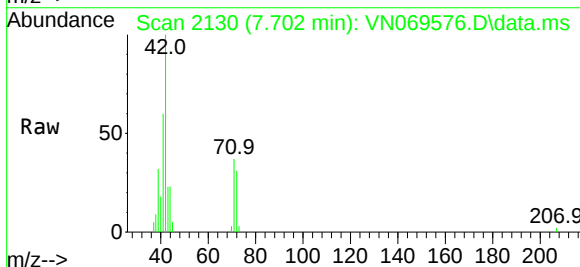
Tgt Ion: 42 Resp: 24757

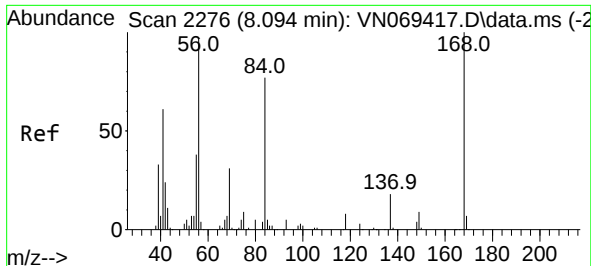
Ion Ratio Lower Upper

42 100

72 18.2 36.3 54.5#

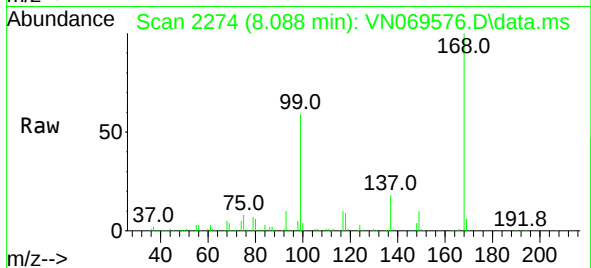
71 16.0 34.7 52.1#



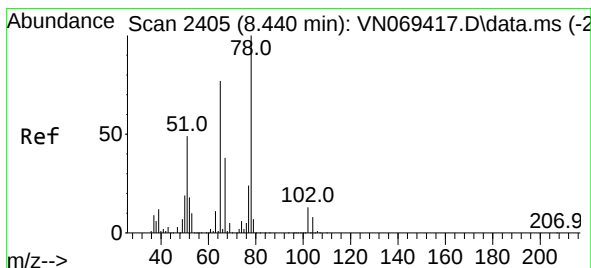
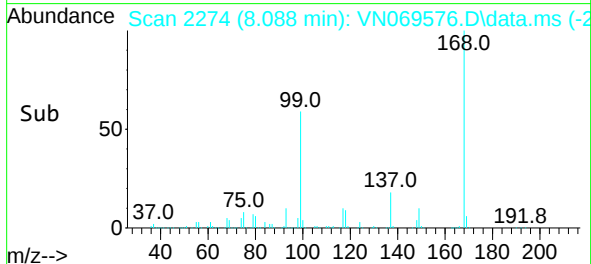
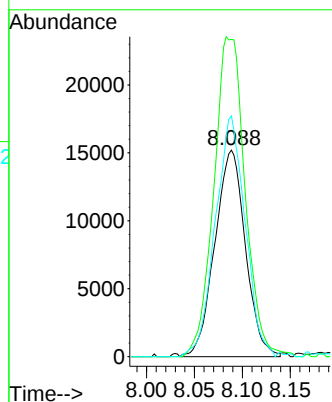


#31
Cyclohexane
Concen: 1.287 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Instrument :
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ClientSampleId :

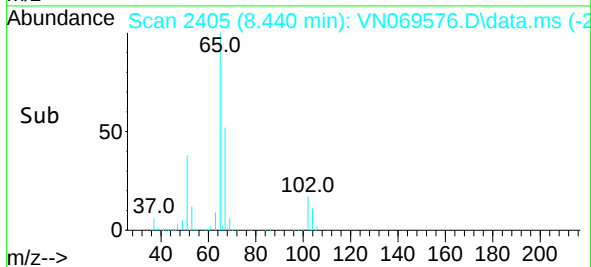
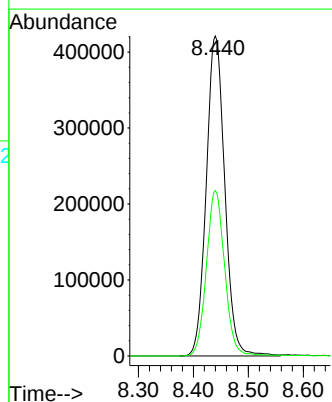
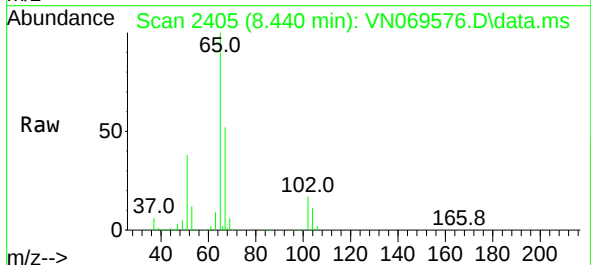


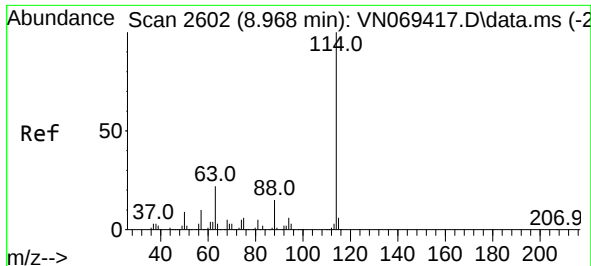
Tgt Ion: 56 Resp: 33691
Ion Ratio Lower Upper
56 100
69 153.6 27.1 40.7#
84 116.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.516 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

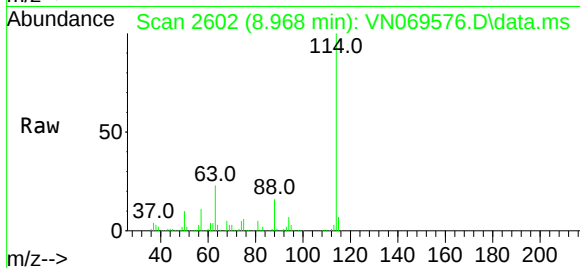
Tgt Ion: 65 Resp: 987251
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



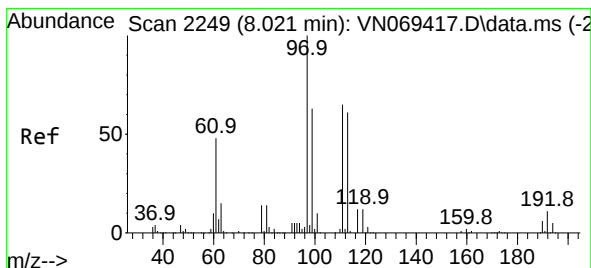
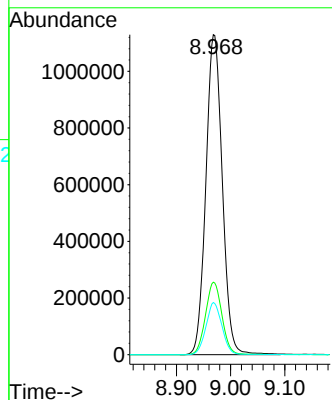
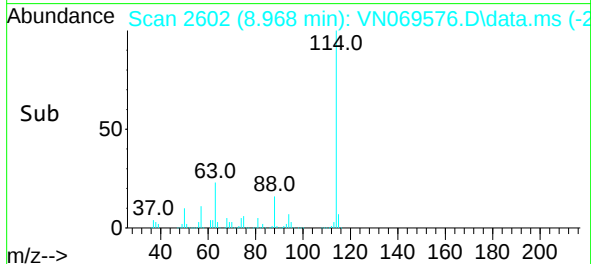


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Instrument :
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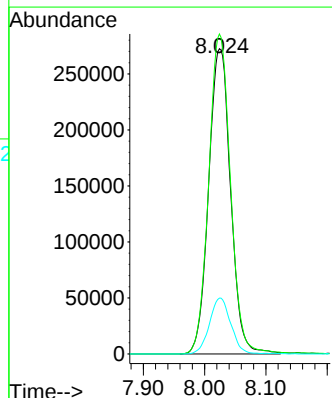
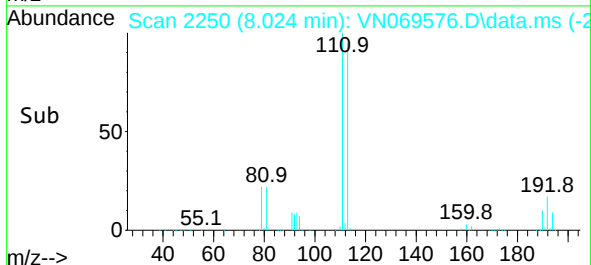
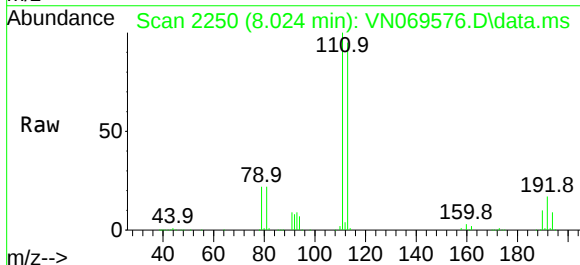


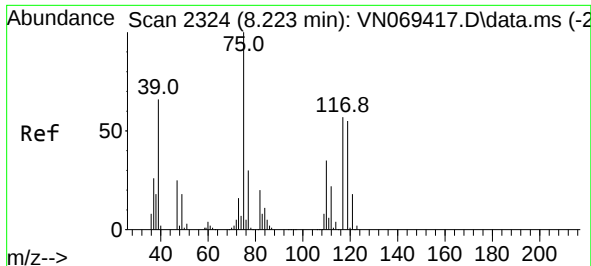
Tgt Ion:114 Resp: 2381557
Ion Ratio Lower Upper
114 100
63 22.7 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.561 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

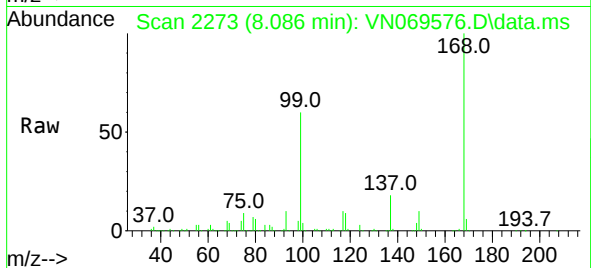
Tgt Ion:113 Resp: 679346
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 17.8 16.9 25.3



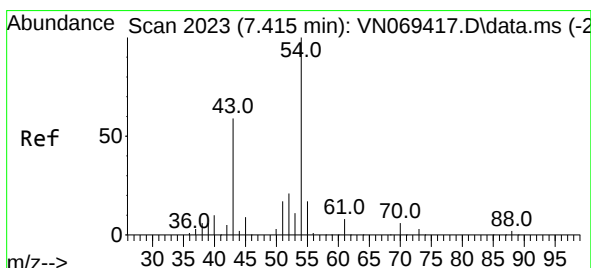
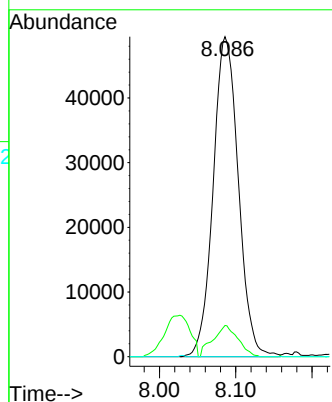
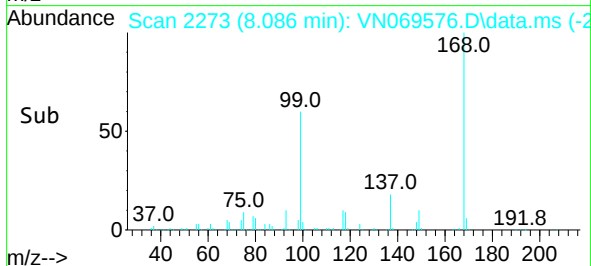


#36
 1,1-Dichloropropene
 Concen: 5.656 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN069576.D
 Acq: 19 Nov 2021 2:23

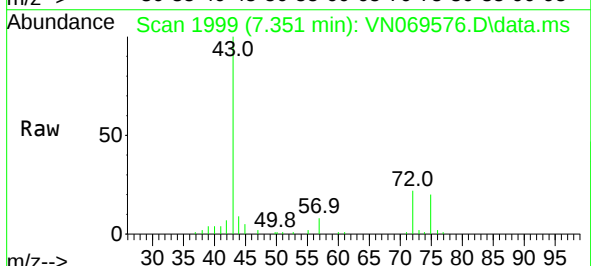
Instrument :
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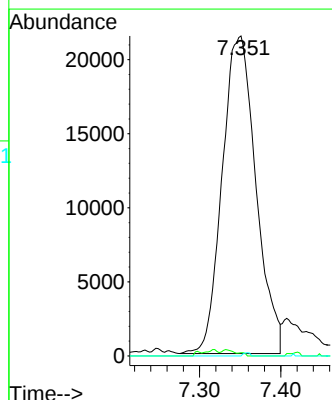
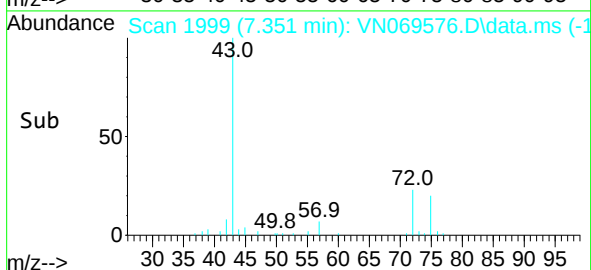
Tgt Ion: 75 Resp: 113351
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.2#
 77 0.0 24.4 36.6#

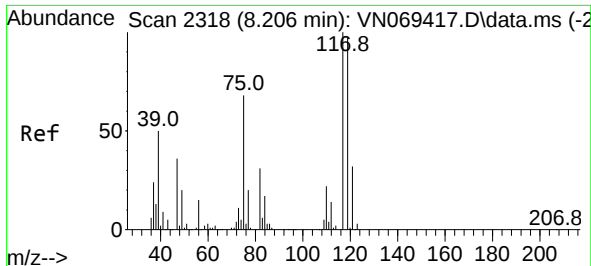


#37
 Ethyl Acetate
 Concen: 2.285 ug/l
 RT: 7.351 min Scan# 1999
 Delta R.T. -0.064 min
 Lab File: VN069576.D
 Acq: 19 Nov 2021 2:23



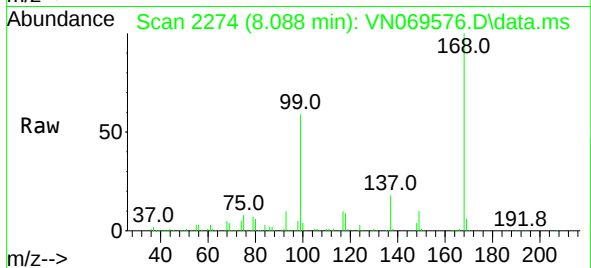
Tgt Ion: 43 Resp: 61909
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.2 7.9 11.9#



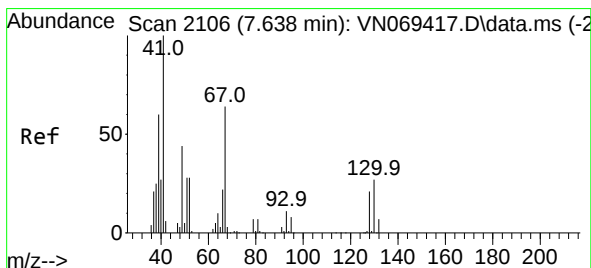
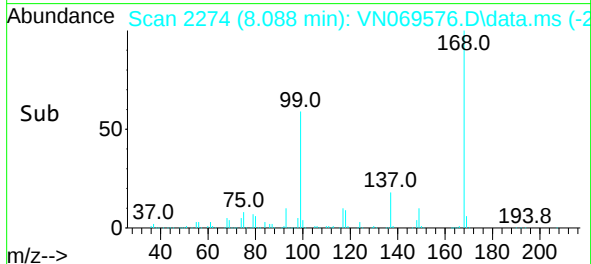
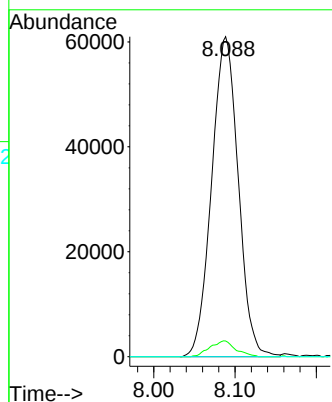


#38
Carbon Tetrachloride
Concen: 7.172 ug/l
RT: 8.088 min Scan# 2131
Delta R.T. -0.118 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Instrument :
MSVOA_N
ClientSampleId :

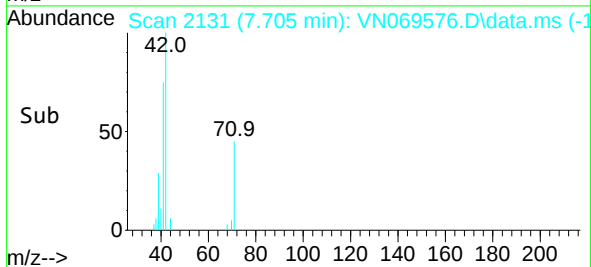
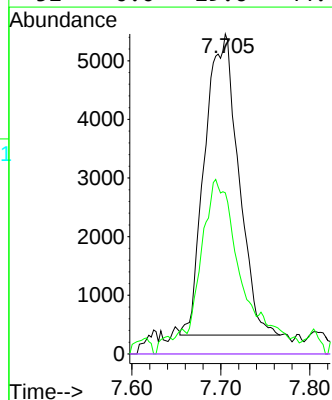
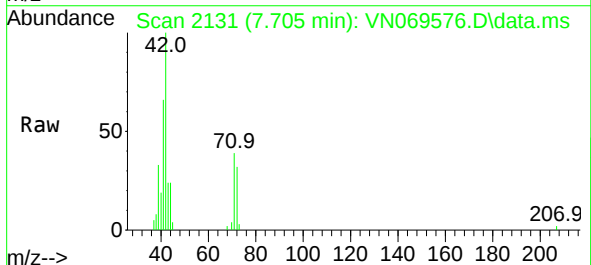


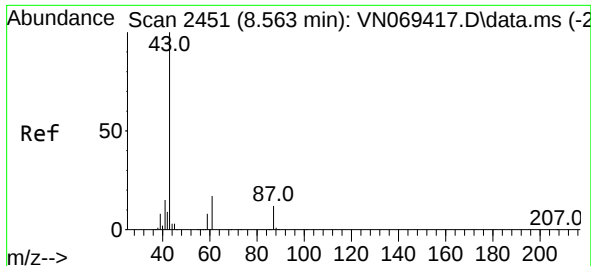
Tgt Ion: 117 Resp: 138751
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.962 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Tgt Ion: 41 Resp: 13464
Ion Ratio Lower Upper
41 100
39 58.2 48.1 72.1
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#





#43

Isopropyl Acetate

Concen: 4.448 ug/l

RT: 8.566 min Scan# 2451

Delta R.T. 0.003 min

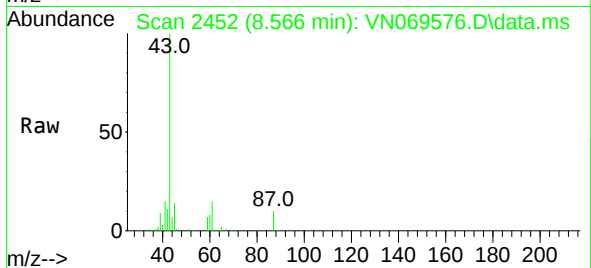
Lab File: VN069576.D

Acq: 19 Nov 2021 2:23

Instrument :

MSVOA_N

ClientSampleId :



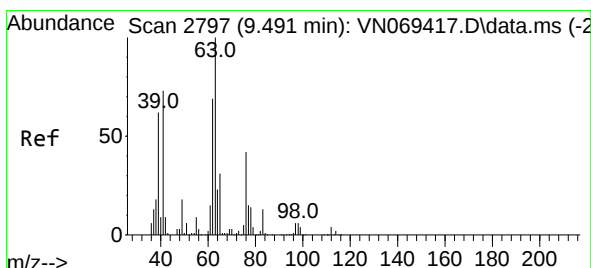
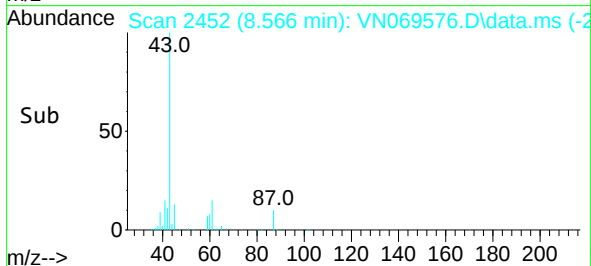
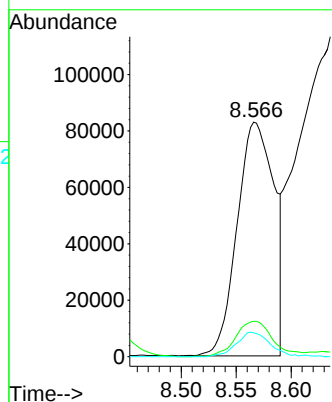
Tgt Ion: 43 Resp: 193544

Ion Ratio Lower Upper

43 100

61 15.3 20.4 30.6#

87 9.4 11.2 16.8#



#45

1,2-Dichloropropane

Concen: 0.643 ug/l

RT: 9.623 min Scan# 2846

Delta R.T. 0.132 min

Lab File: VN069576.D

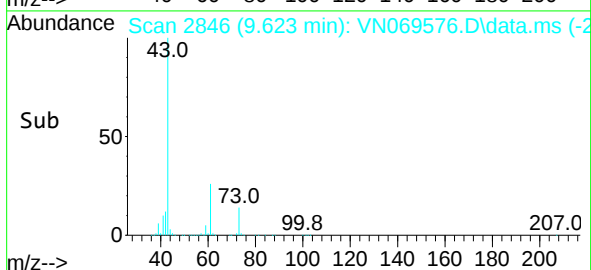
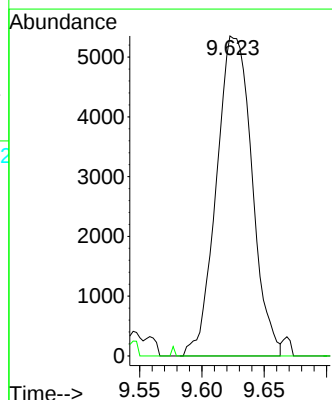
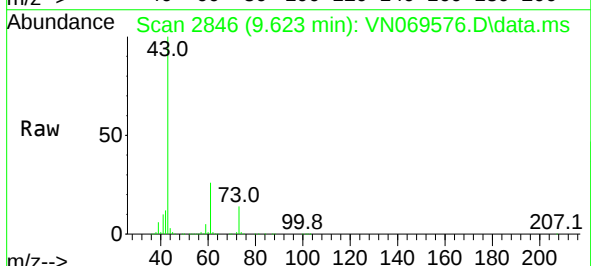
Acq: 19 Nov 2021 2:23

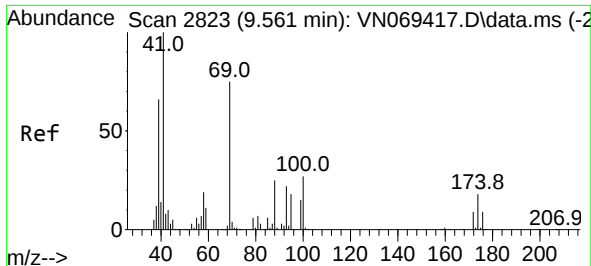
Tgt Ion: 63 Resp: 10627

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

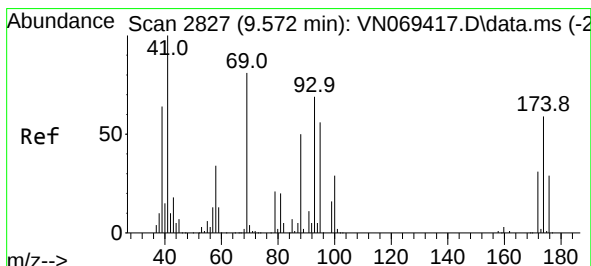
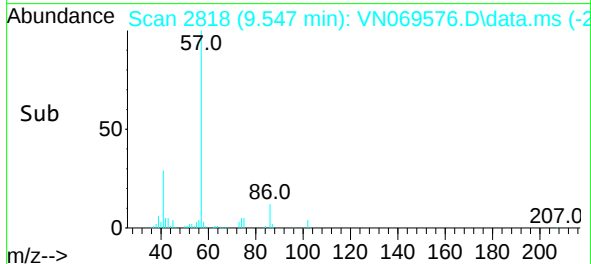
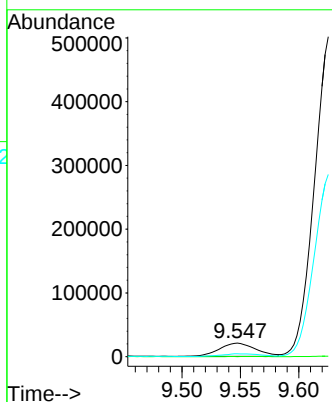
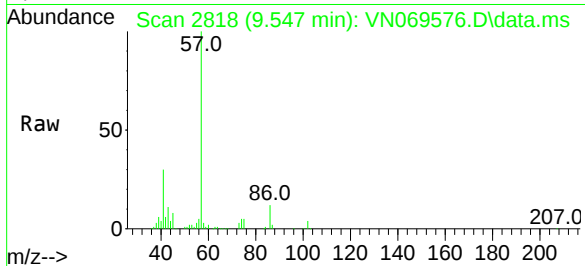




#48
Methyl methacrylate
Concen: 2.208 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

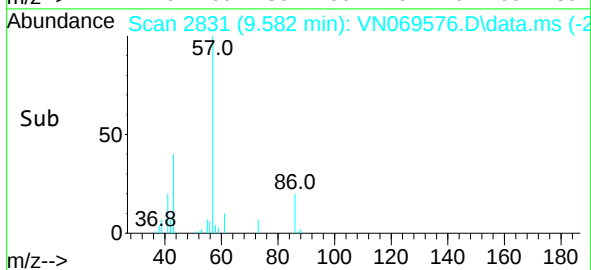
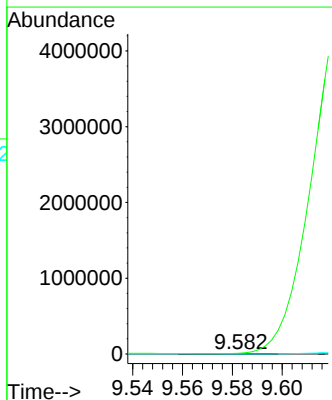
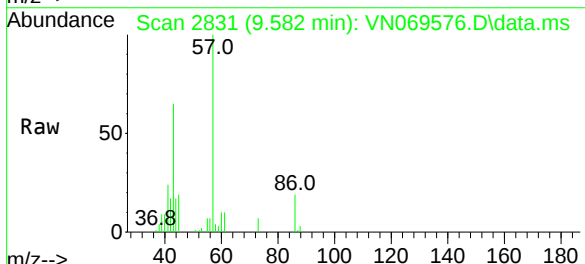
Instrument :
MSVOA_N
ClientSampleId :

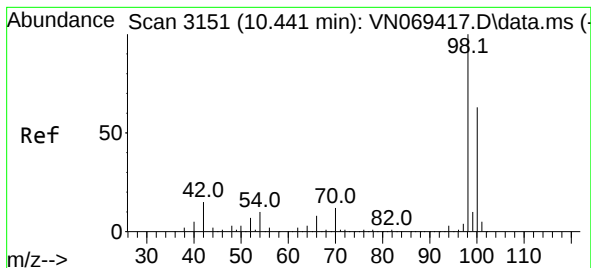
Tgt Ion: 41 Resp: 45196
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 1.830 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.010 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Tgt Ion: 88 Resp: 668
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#





#50

Toluene-d8

Concen: 54.126 ug/l

RT: 10.443 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN069576.D

Acq: 19 Nov 2021 2:23

Instrument :

MSVOA_N

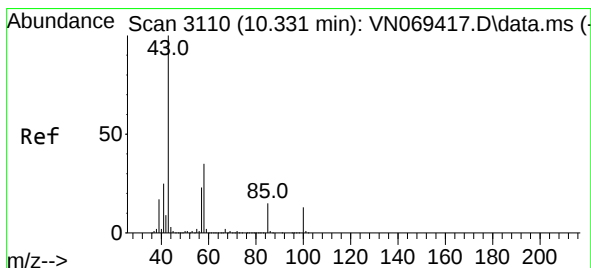
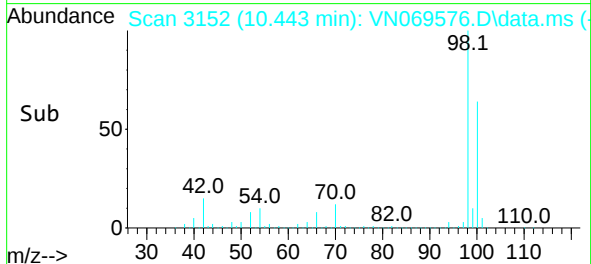
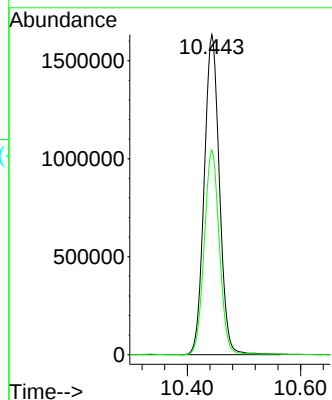
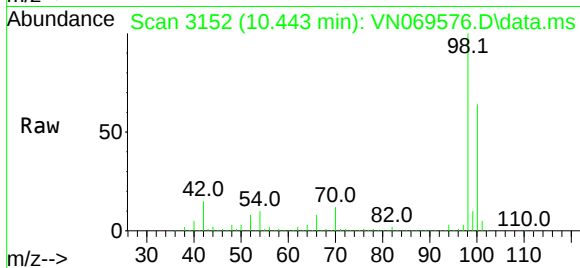
ClientSampleId :

Tgt Ion: 98 Resp: 3040624

Ion Ratio Lower Upper

98 100

100 63.6 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 1.307 ug/l

RT: 10.336 min Scan# 3112

Delta R.T. 0.005 min

Lab File: VN069576.D

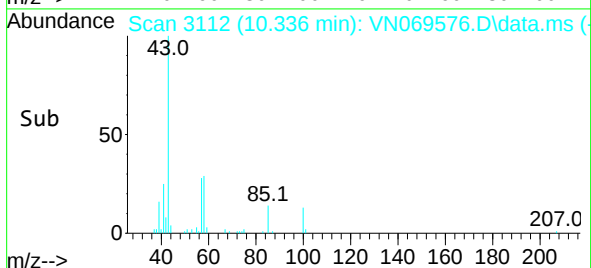
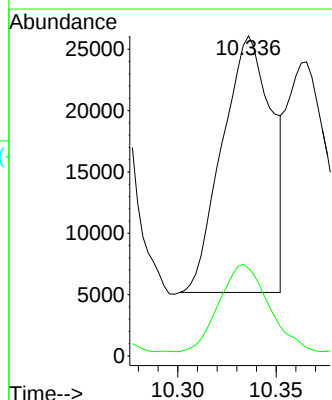
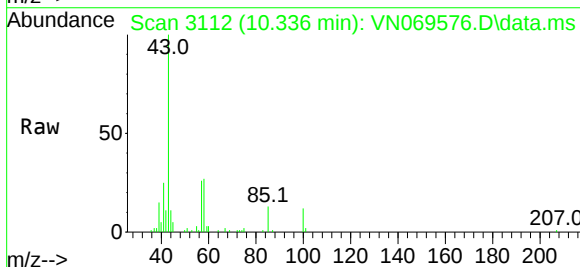
Acq: 19 Nov 2021 2:23

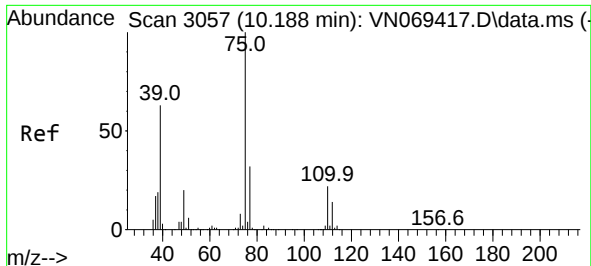
Tgt Ion: 43 Resp: 36695

Ion Ratio Lower Upper

43 100

58 34.6 30.4 45.6

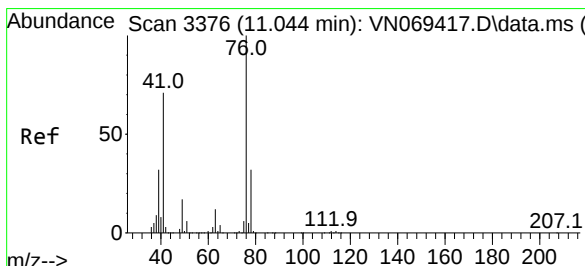
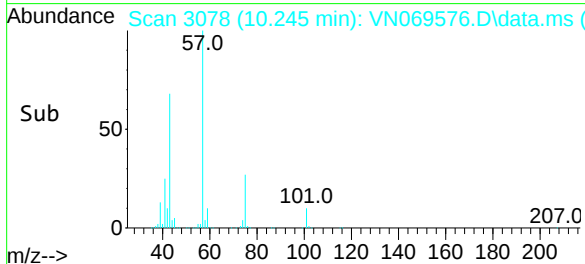
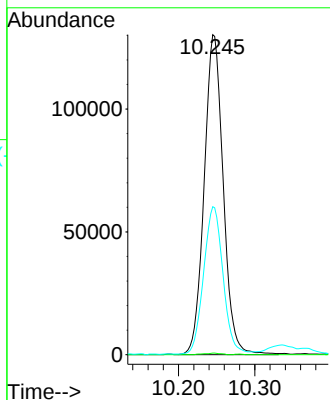
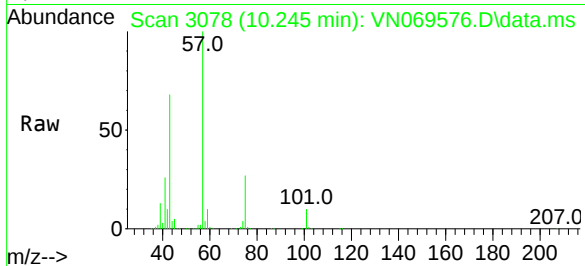




#54
 cis-1,3-Dichloropropene
 Concen: 9.597 ug/l
 RT: 10.245 min Scan# 3057
 Delta R.T. 0.057 min
 Lab File: VN069576.D
 Acq: 19 Nov 2021 2:23

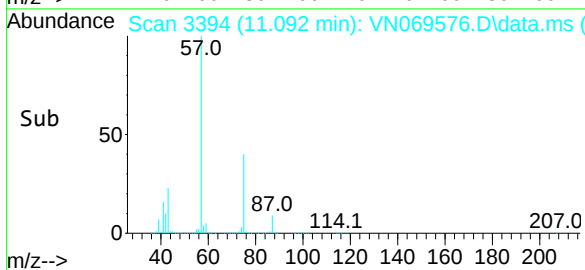
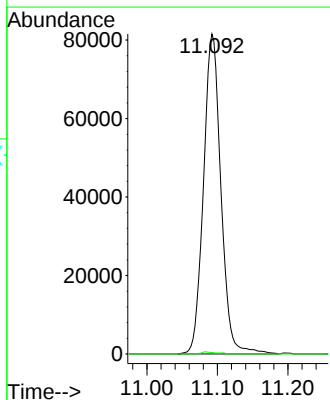
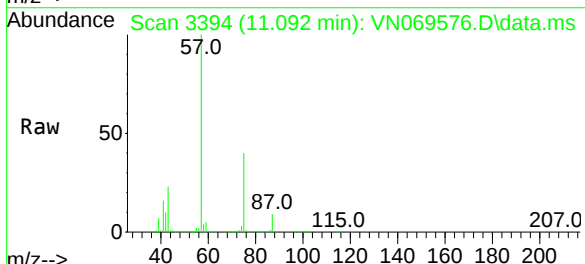
Instrument :
 MSVOA_N
 ClientSampleId :

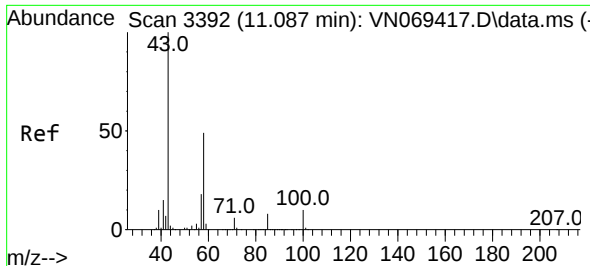
Tgt Ion: 75 Resp: 226062
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 46.1 42.5 63.7



#57
 1,3-Dichloropropane
 Concen: 5.135 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.048 min
 Lab File: VN069576.D
 Acq: 19 Nov 2021 2:23

Tgt Ion: 76 Resp: 140158
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.7 38.5#

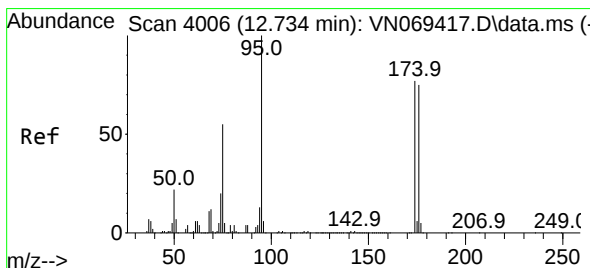
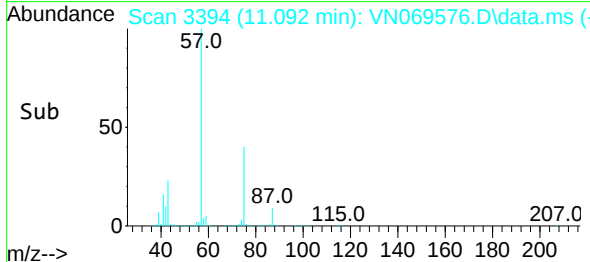
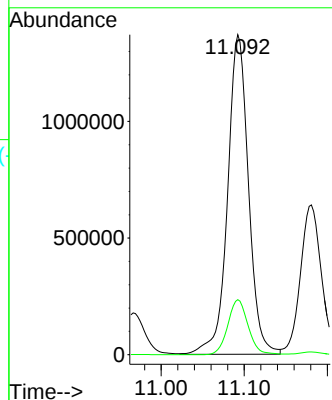
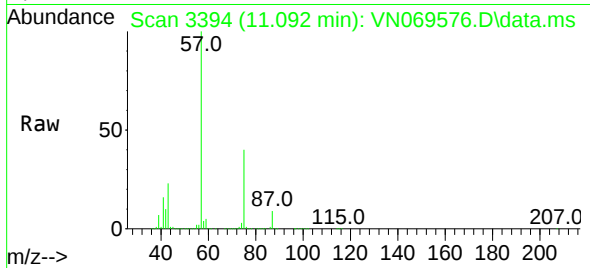




#59
2-Hexanone
Concen: 114.657 ug/l
RT: 11.092 min Scan# 311
Delta R.T. 0.005 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

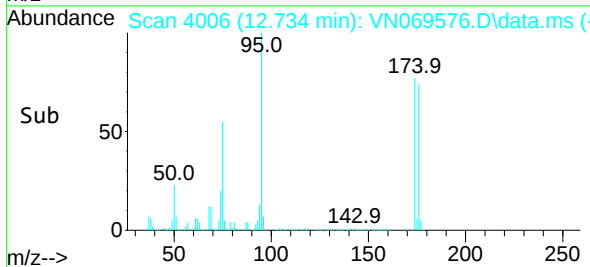
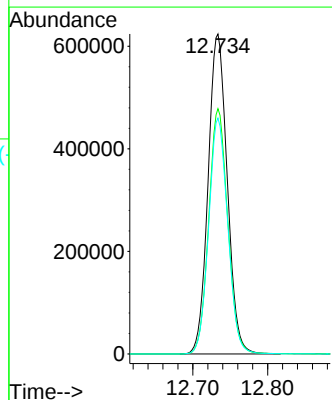
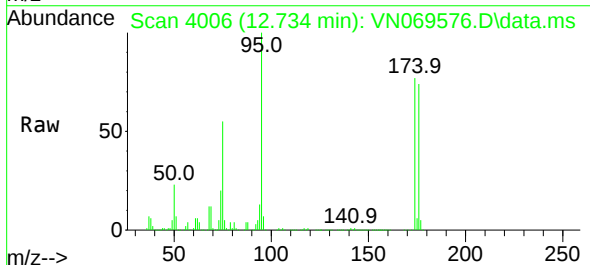
Instrument :
MSVOA_N
ClientSampleId :

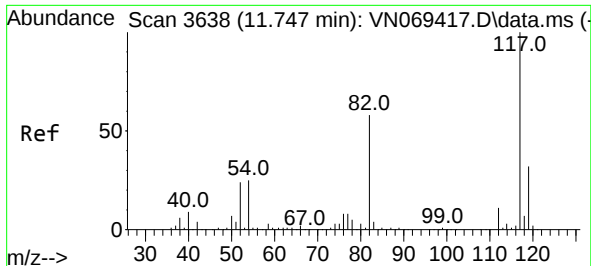
Tgt Ion: 43 Resp: 2399794
Ion Ratio Lower Upper
43 100
58 16.7 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 53.768 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

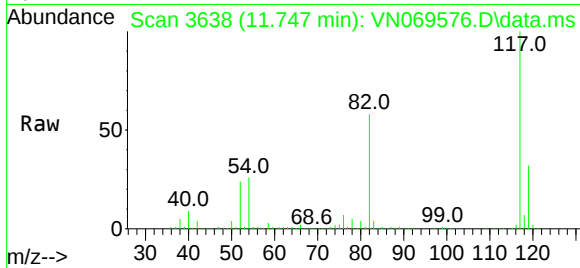
Tgt Ion: 95 Resp: 1109634
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.4 0.0 181.4



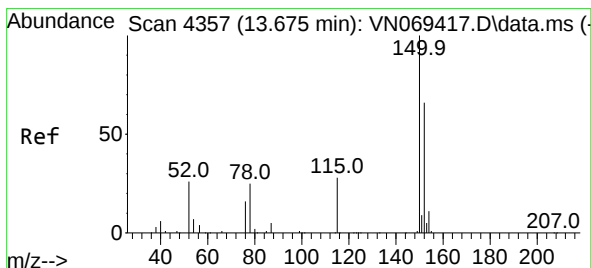
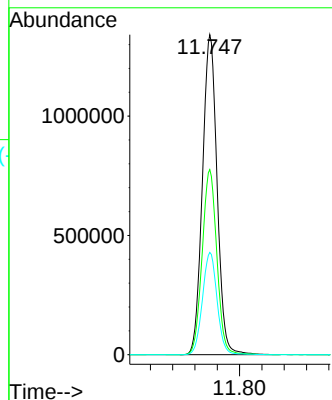
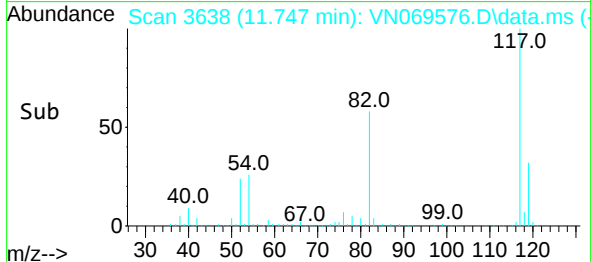


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

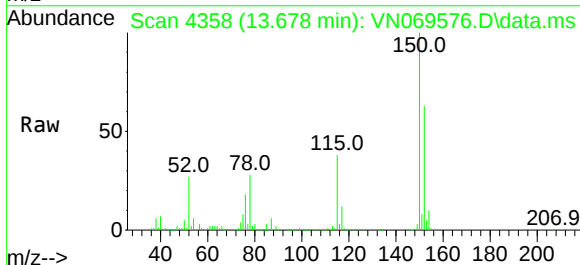
Instrument :
MSVOA_N
ClientSampleId :



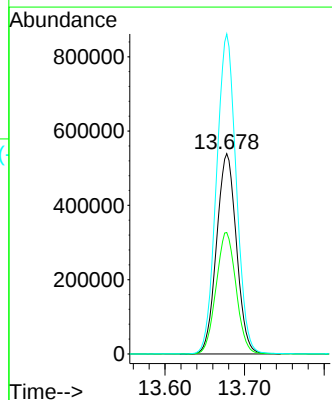
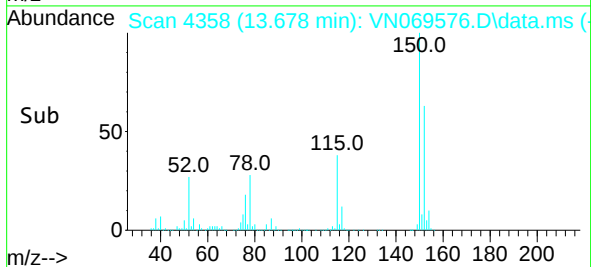
Tgt Ion:117 Resp: 2448709
Ion Ratio Lower Upper
117 100
82 57.8 42.4 63.6
119 31.9 25.4 38.2

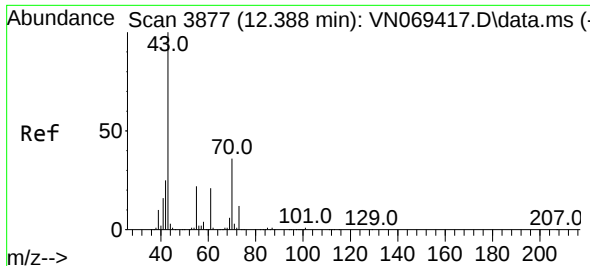


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23



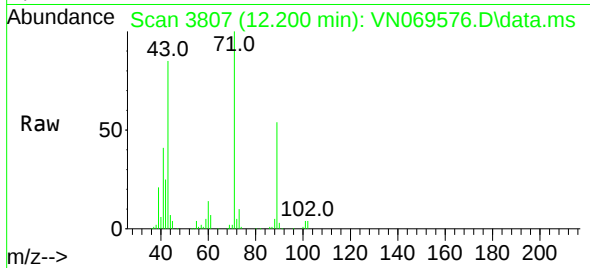
Tgt Ion:152 Resp: 934821
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 158.9 0.0 344.4



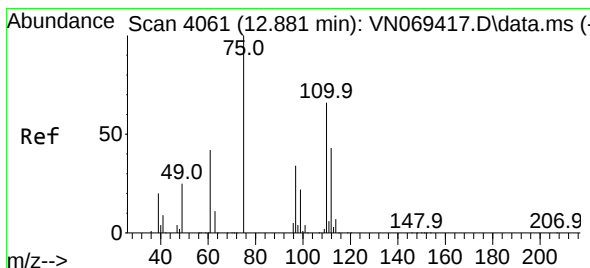
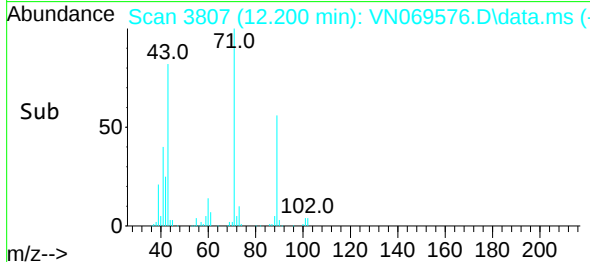
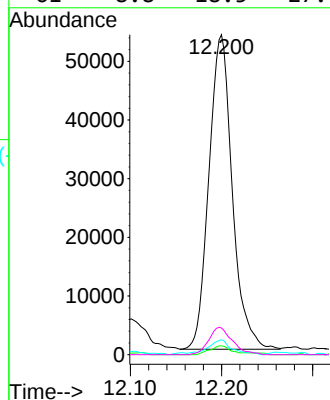


#74
N-amy1 acetate
Concen: 3.026 ug/l
RT: 12.200 min Scan# 3877
Delta R.T. -0.188 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Instrument :
MSVOA_N
ClientSampleId :

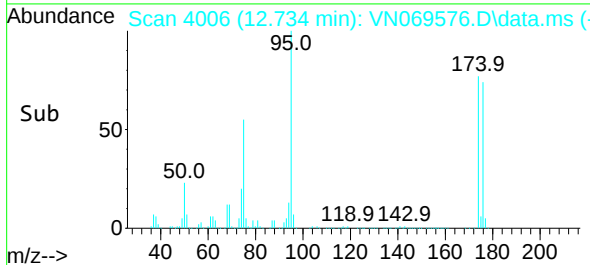
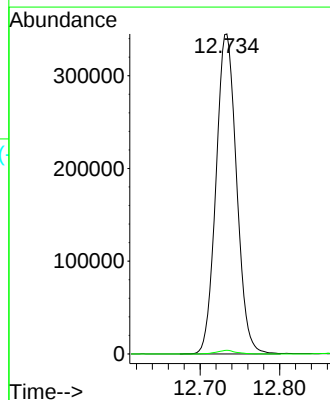
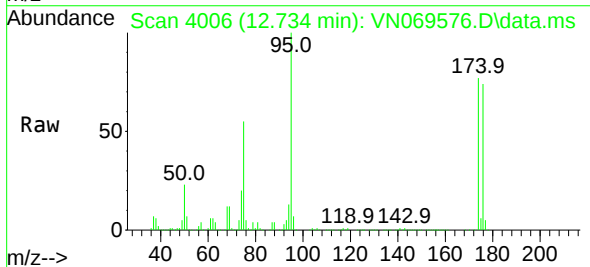


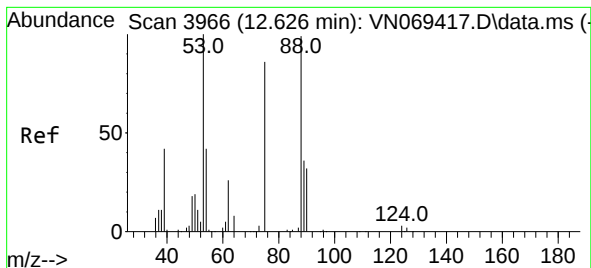
Tgt Ion: 43 Resp: 95466
Ion Ratio Lower Upper
43 100
70 2.8 33.4 50.0#
55 3.9 19.3 28.9#
61 8.8 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 28.700 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Tgt Ion: 75 Resp: 619154
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

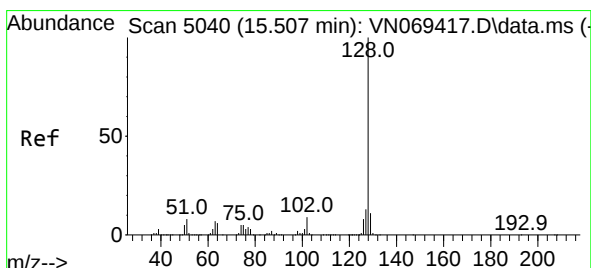
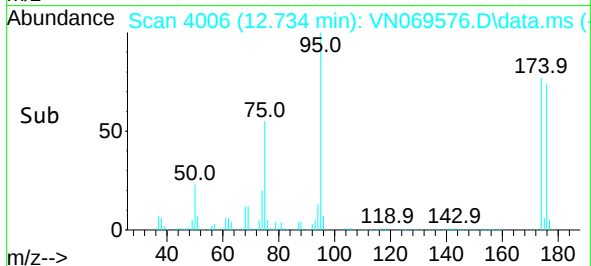
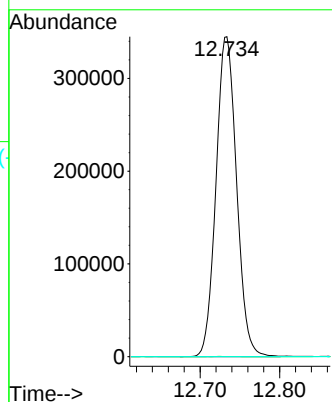
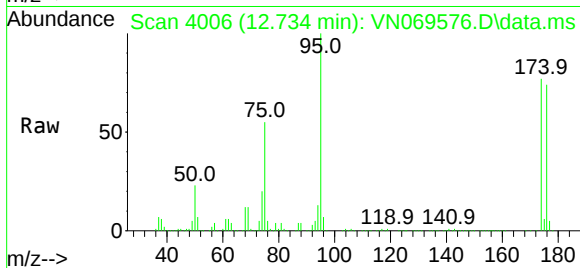




#81
trans-1,4-Dichloro-2-butene
Concen: 96.302 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

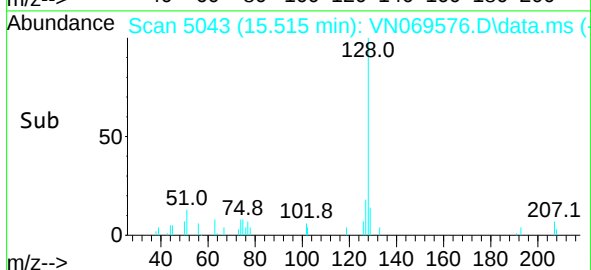
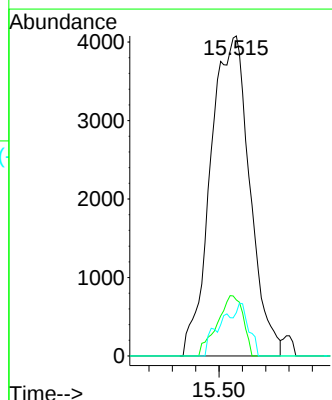
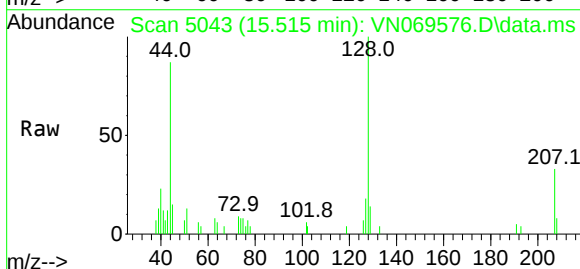
Instrument :
MSVOA_N
ClientSampleId :

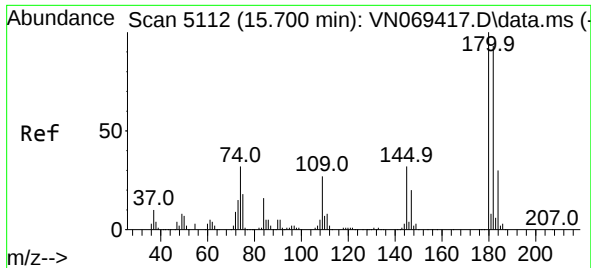
Tgt Ion: 75 Resp: 619154
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 0.286 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069576.D
Acq: 19 Nov 2021 2:23

Tgt Ion:128 Resp: 9482
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 5.4 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.203 ug/l

RT: 15.705 min Scan# 51

Delta R.T. 0.005 min

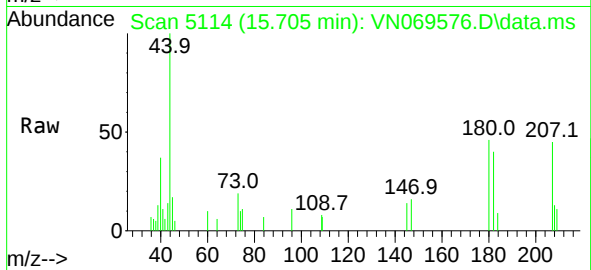
Lab File: VN069576.D

Acq: 19 Nov 2021 2:23

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 2410

Ion Ratio Lower Upper

180 100

182 82.8 47.4 142.2

145 23.6 15.0 45.1

