

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069079.D
 Acq On : 21 Oct 2021 11:08
 Operator : JC/MD
 Sample : VN1021MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

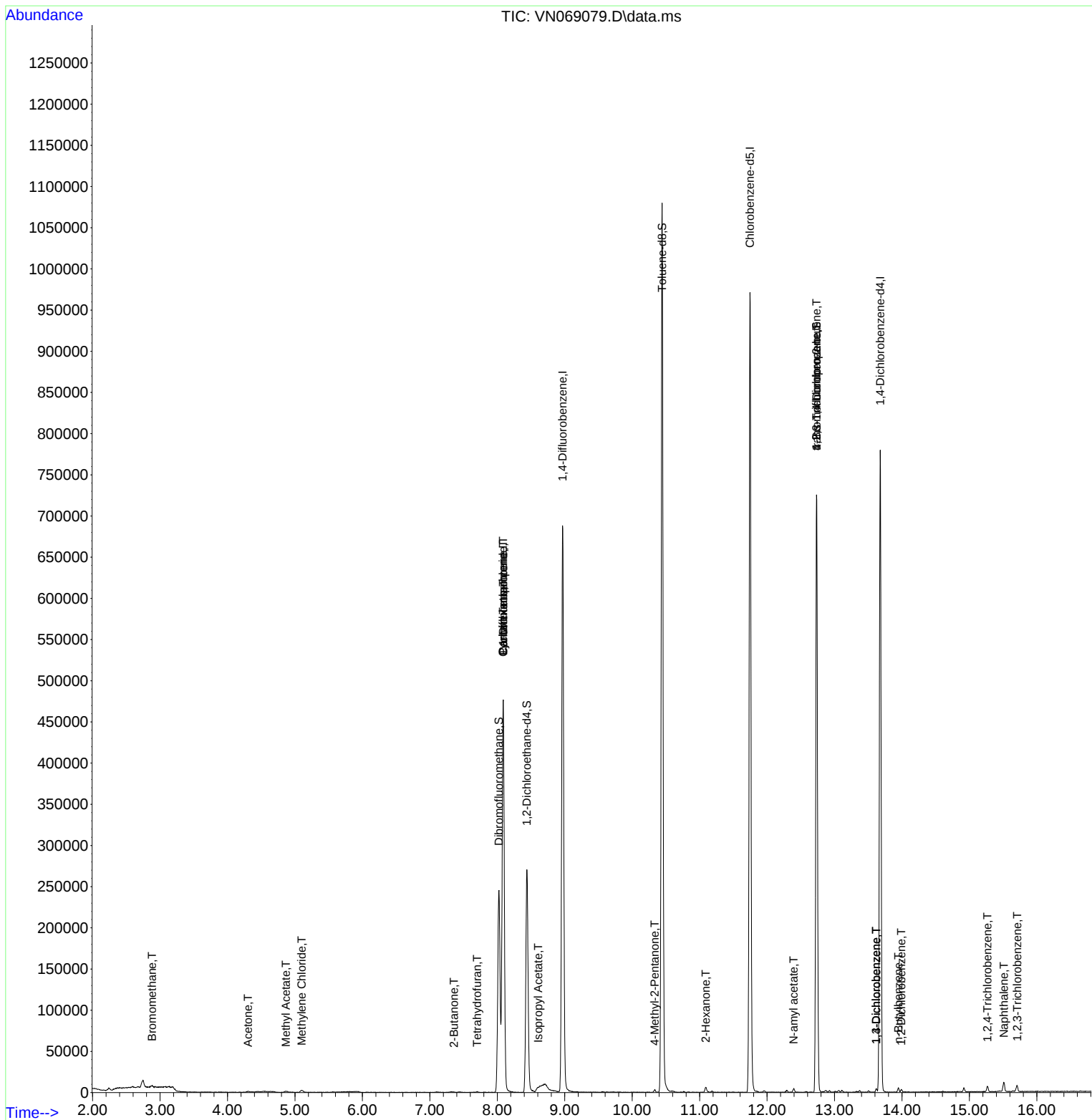
Instrument :
 MSVOA_N
 ClientSampleId :

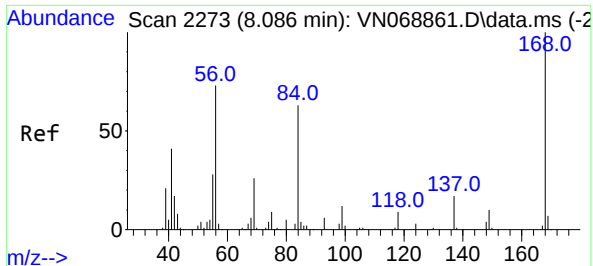
Quant Time: Oct 21 13:00:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	353048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	615650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	576531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	233053	50.067	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.140%	
35) Dibromofluoromethane	8.024	113	182908	51.064	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.120%	
50) Toluene-d8	10.443	98	767653	53.563	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.120%	
62) 4-Bromofluorobenzene	12.734	95	264724	48.958	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.920%	
Target Compounds						Qvalue
5) Bromomethane	2.880	94	1194	0.495	ug/l	93
16) Acetone	4.301	43	1945	1.120	ug/l #	44
18) Methyl Acetate	4.867	43	3070	0.466	ug/l #	62
20) Methylene Chloride	5.101	84	2224	0.556	ug/l	88
25) 2-Butanone	7.356	43	773	0.294	ug/l #	48
29) Tetrahydrofuran	7.700	42	383	0.225	ug/l #	50
31) Cyclohexane	8.086	56	8139	1.125	ug/l #	8
36) 1,1-Dichloropropene	8.088	75	29376	5.586	ug/l #	50
38) Carbon Tetrachloride	8.088	117	37099	6.424	ug/l #	15
43) Isopropyl Acetate	8.609	43	5216	0.544	ug/l #	55
51) 4-Methyl-2-Pentanone	10.333	43	2404	0.433	ug/l #	83
59) 2-Hexanone	11.090	43	5278	1.325	ug/l	87
74) N-amyl acetate	12.393	43	3025	0.462	ug/l #	93
76) 1,2,3-Trichloropropane	12.734	75	140755	31.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	140755	76.219	ug/l #	12
87) 1,3-Dichlorobenzene	13.619	146	1449	0.219	ug/l	88
88) 1,4-Dichlorobenzene	13.619	146	1449	0.221	ug/l	88
89) n-Butylbenzene	13.948	91	3796	0.328	ug/l	93
91) 1,2-Dichlorobenzene	13.989	146	1722	0.268	ug/l	95
93) 1,2,4-Trichlorobenzene	15.268	180	2754	3.350	ug/l	99
95) Naphthalene	15.512	128	11734	4.937	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.708	180	3536	3.526	ug/l	88

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

Quant Time: Oct 21 13:00:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

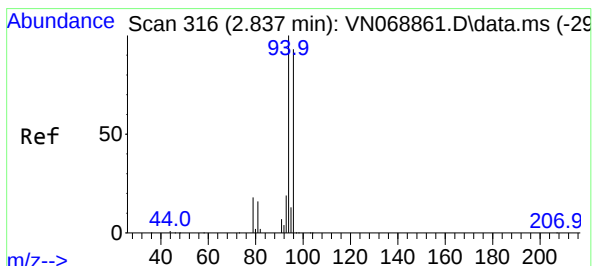
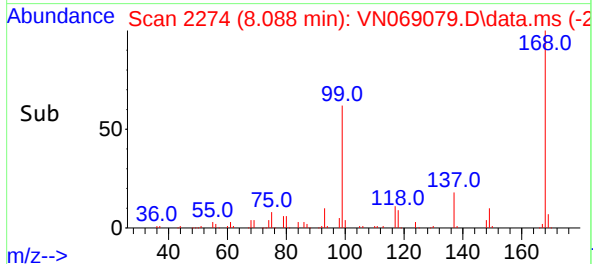
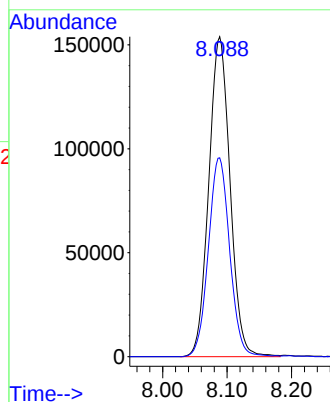
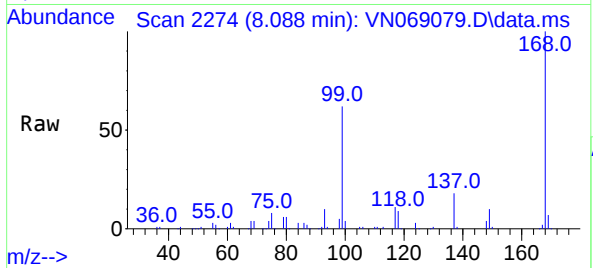




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

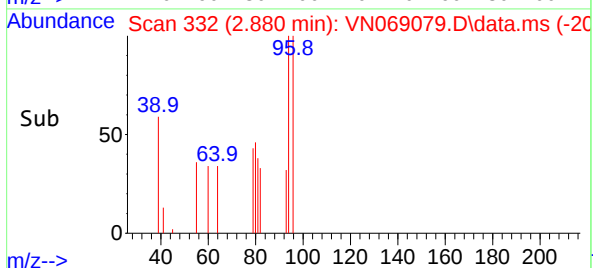
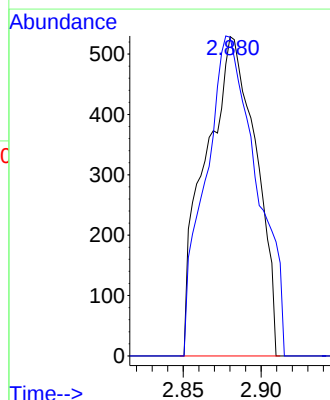
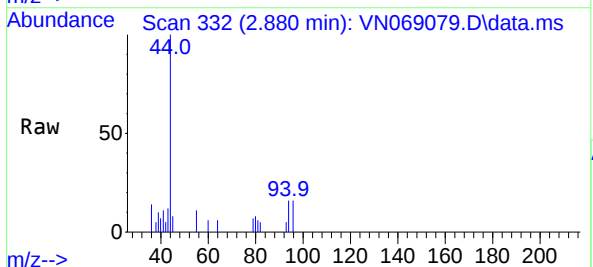
Instrument :
MSVOA_N
ClientSampleId :

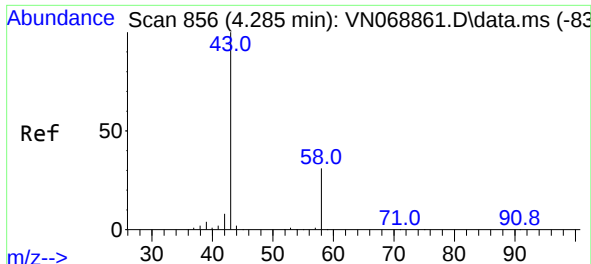
Tgt Ion:168 Resp: 353048
Ion Ratio Lower Upper
168 100
99 62.1 48.9 73.3



#5
Bromomethane
Concen: 0.495 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 94 Resp: 1194
Ion Ratio Lower Upper
94 100
96 99.8 74.2 111.4

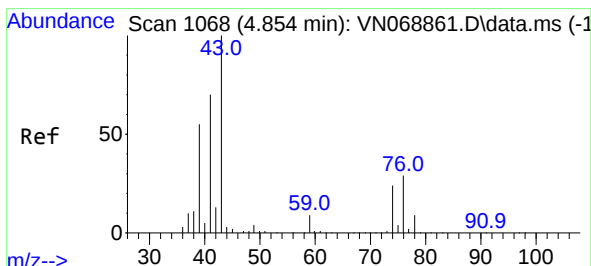
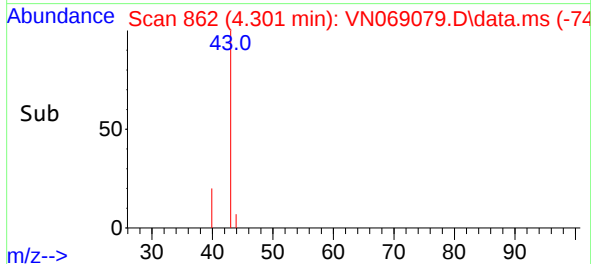
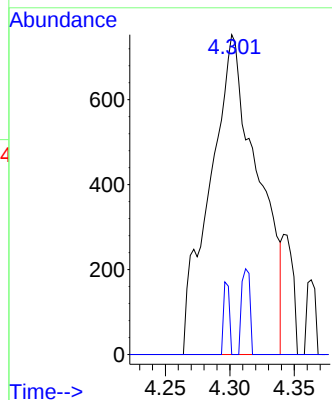
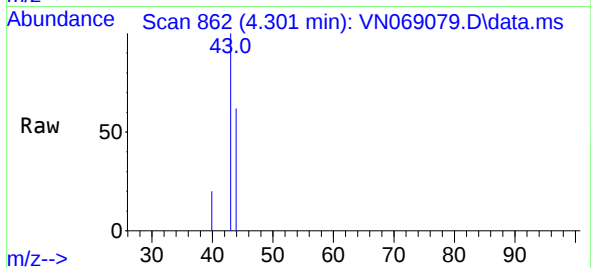




#16
Acetone
Concen: 1.120 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

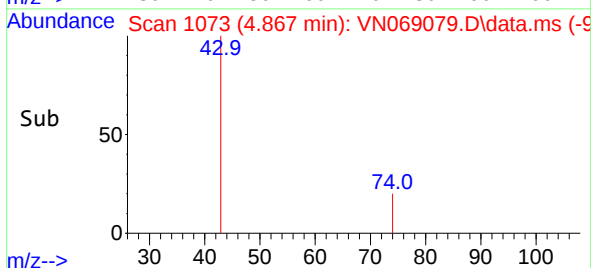
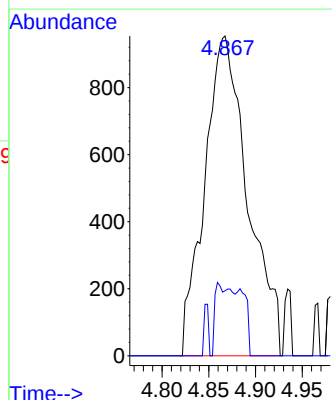
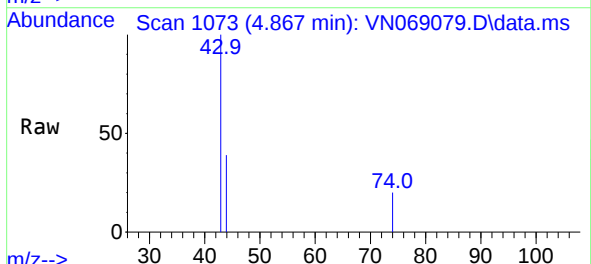
Instrument :
MSVOA_N
ClientSampled :

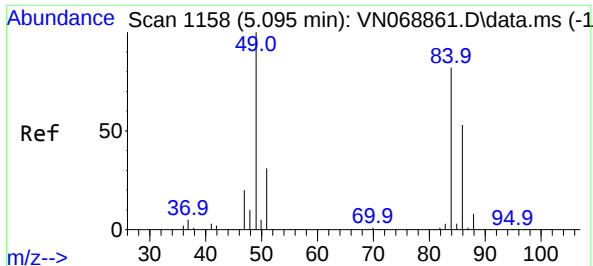
Tgt Ion: 43 Resp: 1945
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#18
Methyl Acetate
Concen: 0.466 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.014 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 43 Resp: 3070
Ion Ratio Lower Upper
43 100
74 5.2 18.9 28.3#



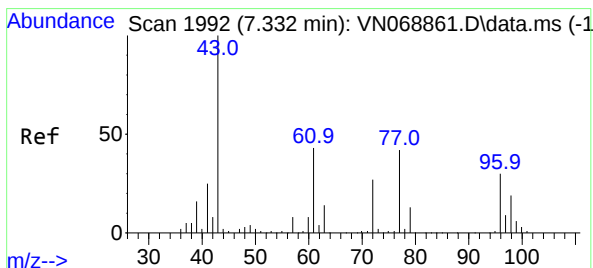
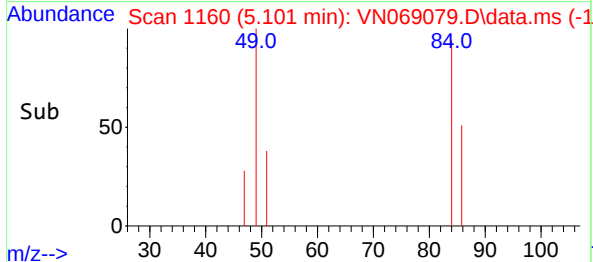
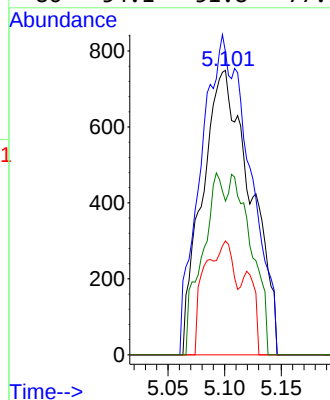
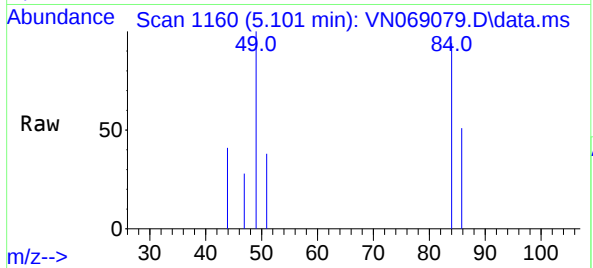


#20
Methylene Chloride
Concen: 0.556 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 2224

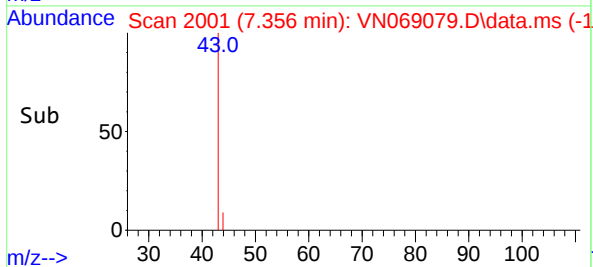
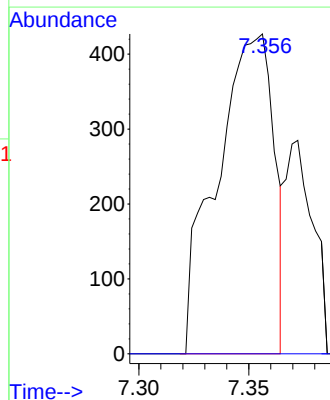
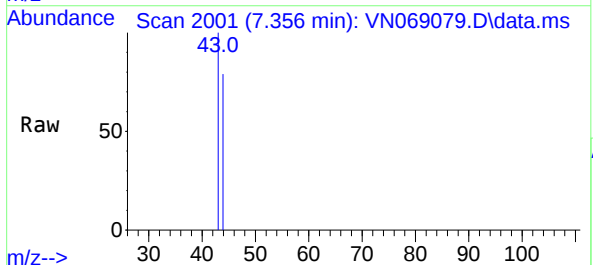
Ion	Ratio	Lower	Upper
84	100		
49	106.4	97.6	146.4
51	40.1	30.3	45.5
86	54.1	51.8	77.6

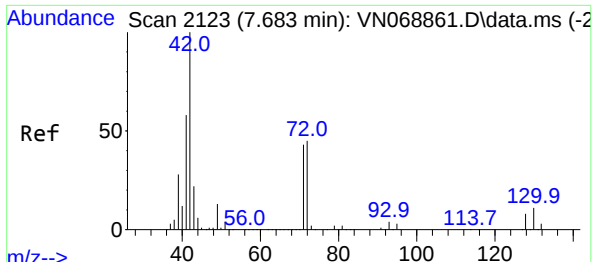


#25
2-Butanone
Concen: 0.294 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.024 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 43 Resp: 773

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.2	31.8#



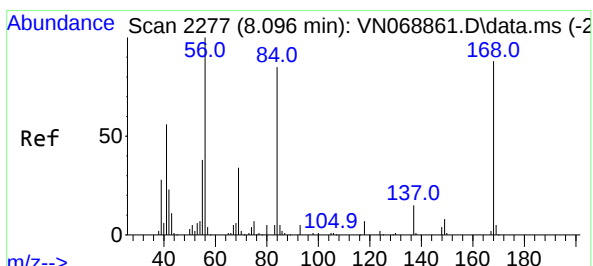
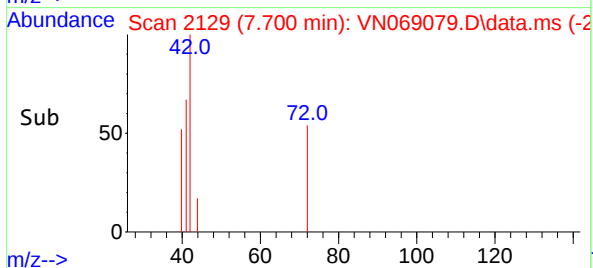
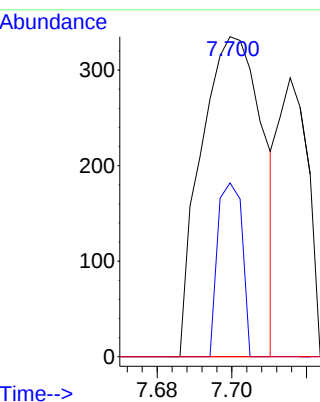
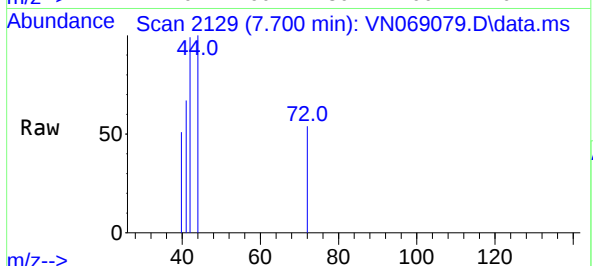


#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 7.700 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42 Resp: 383

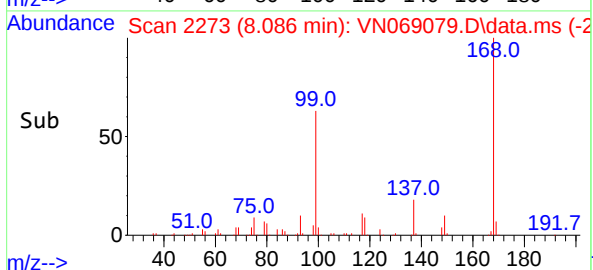
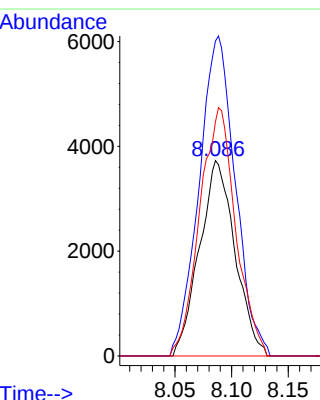
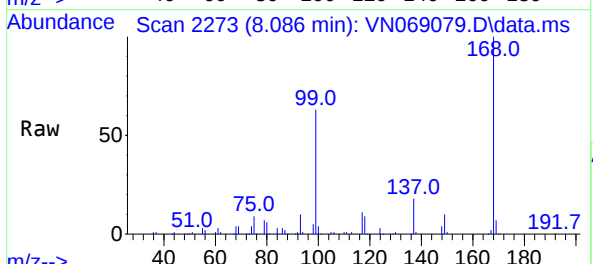
Ion	Ratio	Lower	Upper
42	100		
72	21.7	35.4	53.2#
71	0.0	33.8	50.6#

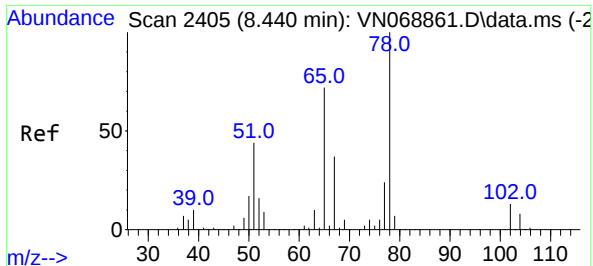


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 56 Resp: 8139

Ion	Ratio	Lower	Upper
56	100		
69	161.2	26.9	40.3#
84	119.9	67.6	101.4#



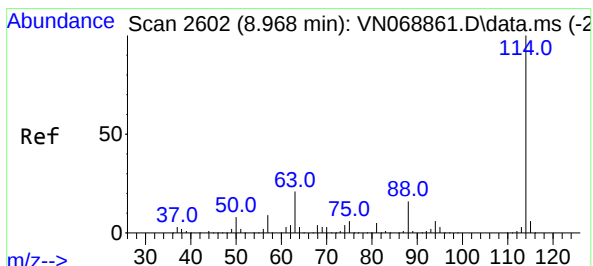
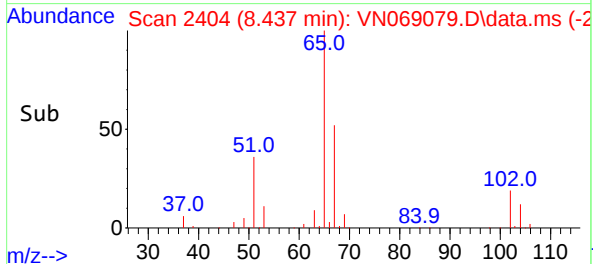
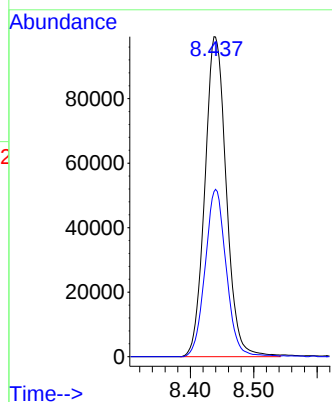
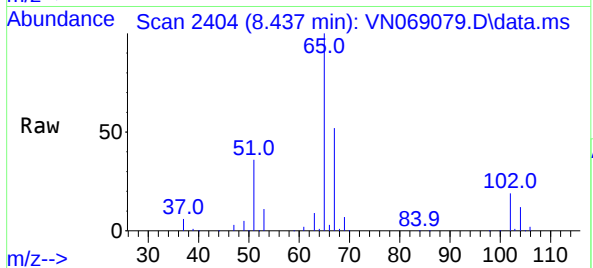


#33

1,2-Dichloroethane-d4
Concen: 50.067 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Instrument :
MSVOA_N
ClientSampleId :

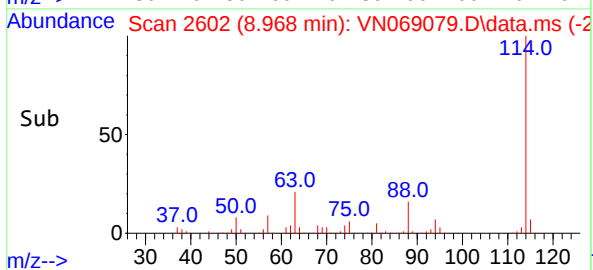
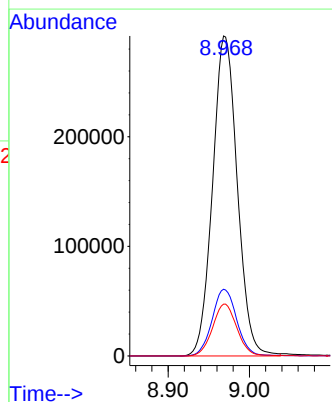
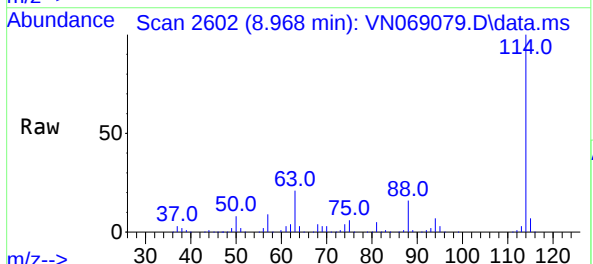
Tgt Ion: 65 Resp: 233053
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.8

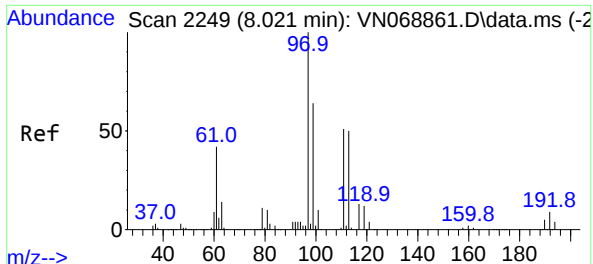


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 114 Resp: 615650
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 16.2 0.0 32.0



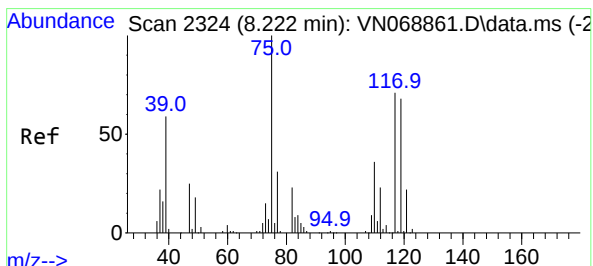
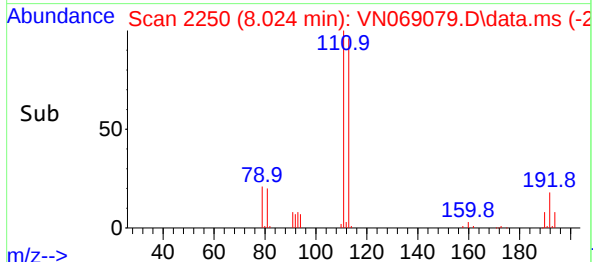
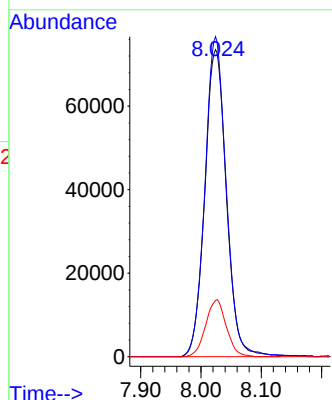
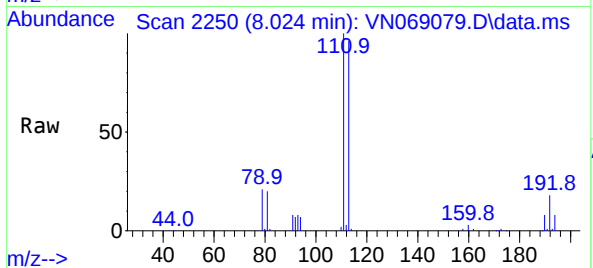


#35

Dibromofluoromethane
Concen: 51.064 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Instrument :
MSVOA_N
ClientSampleId :

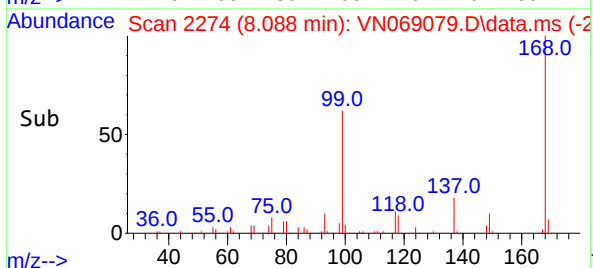
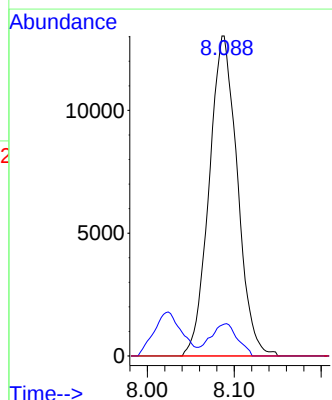
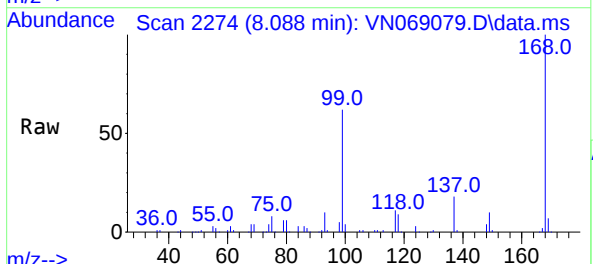
Tgt Ion:113 Resp: 182908
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 17.8 15.0 22.4

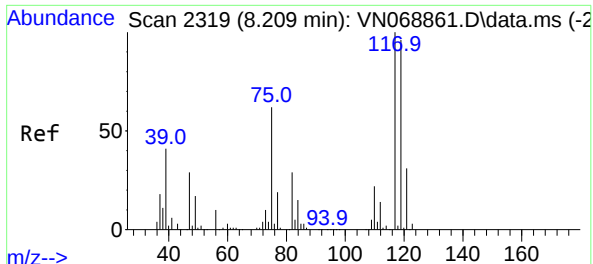


#36

1,1-Dichloropropene
Concen: 5.586 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

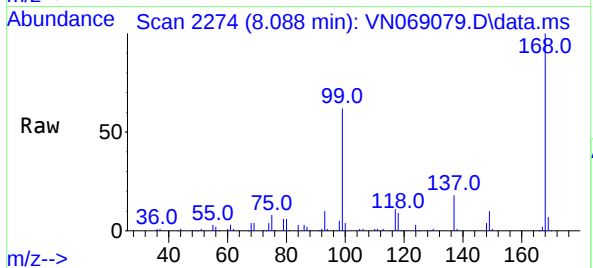
Tgt Ion: 75 Resp: 29376
Ion Ratio Lower Upper
75 100
110 9.6 17.9 53.8#
77 0.0 24.7 37.1#



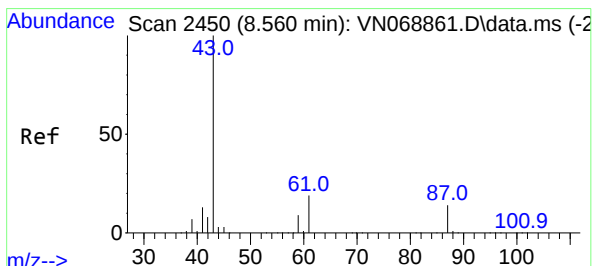
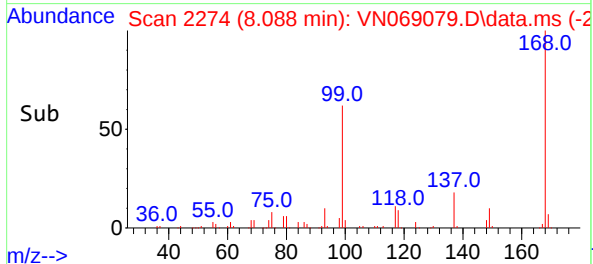
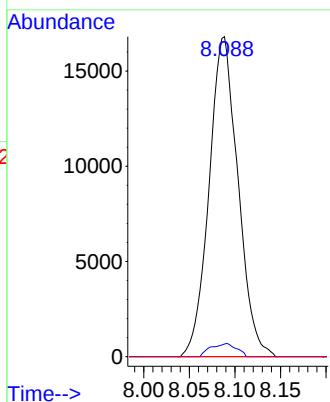


#38
Carbon Tetrachloride
Concen: 6.424 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Instrument :
MSVOA_N
ClientSampleId :

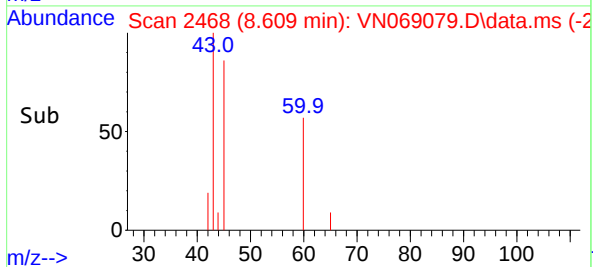
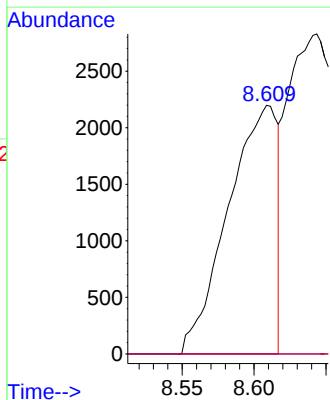
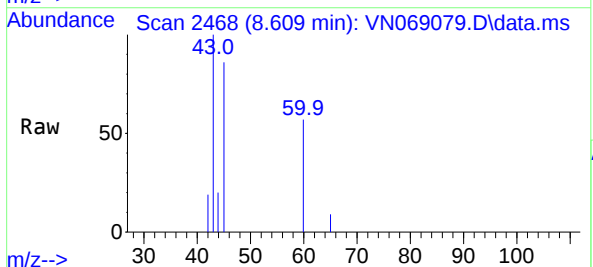


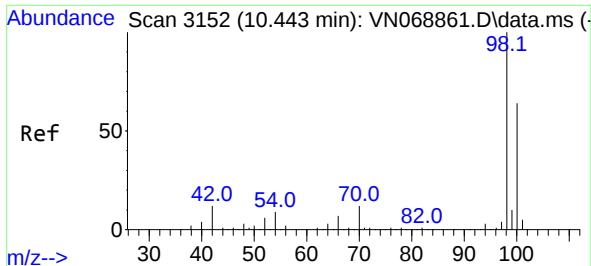
Tgt Ion:117 Resp: 37099
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.544 ug/l
RT: 8.609 min Scan# 2468
Delta R.T. 0.048 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 43 Resp: 5216
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

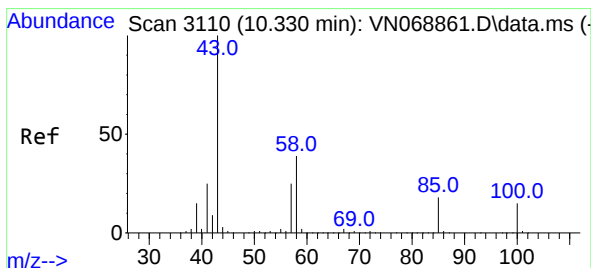
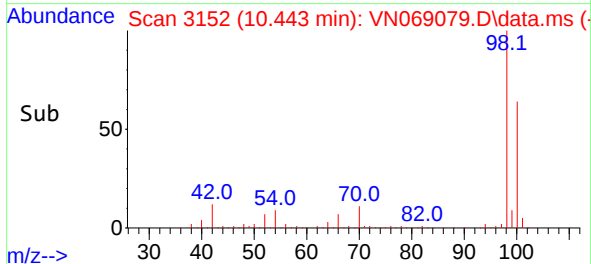
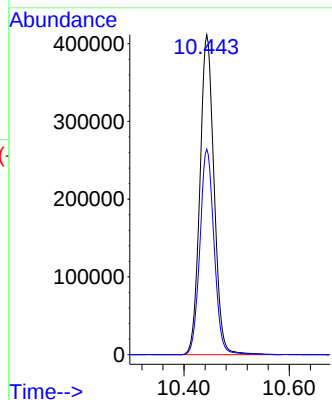
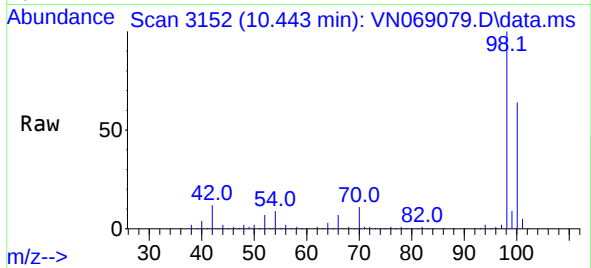




#50
Toluene-d8
Concen: 53.563 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

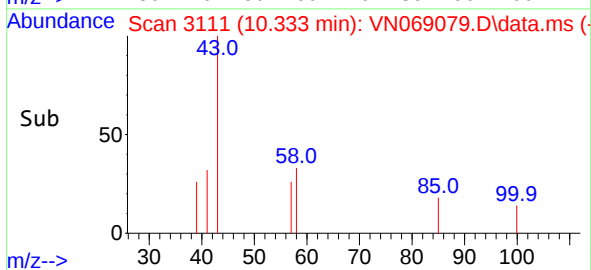
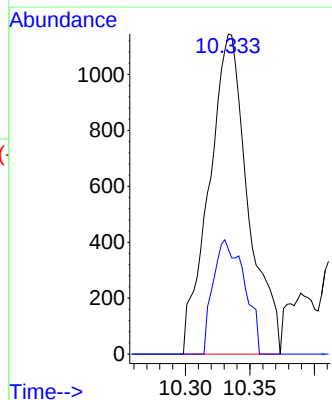
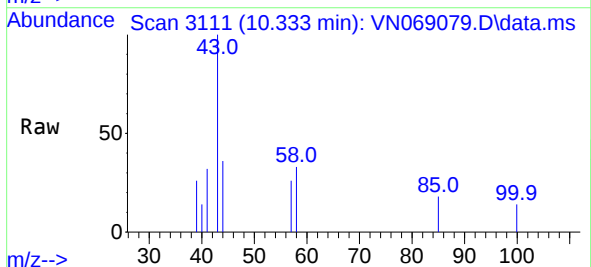
Instrument :
MSVOA_N
ClientSampled :

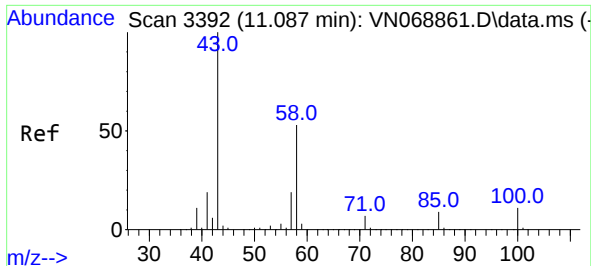
Tgt Ion: 98 Resp: 767653
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
58 28.6 31.0 46.4#

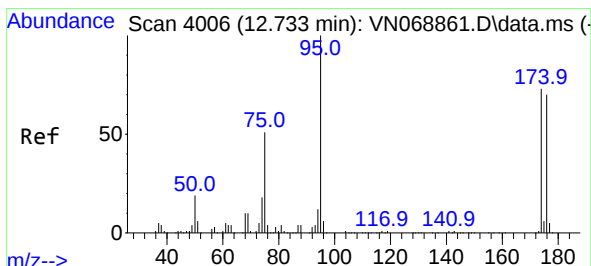
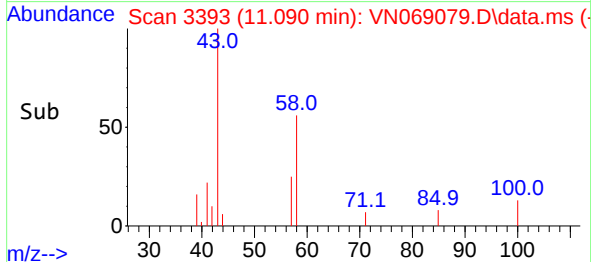
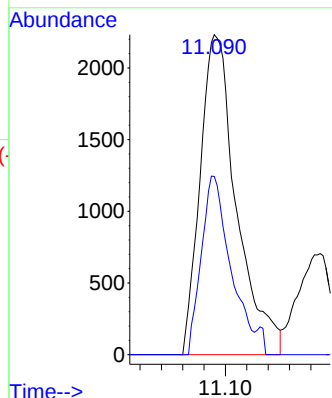
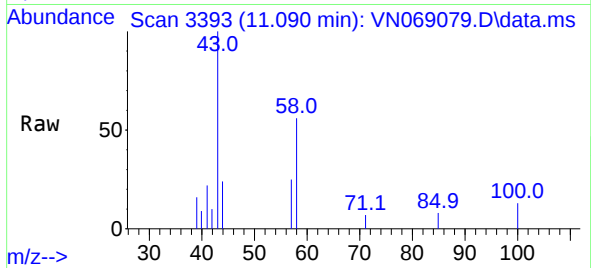




#59
2-Hexanone
Concen: 1.325 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

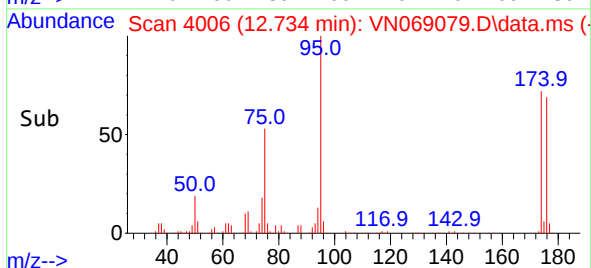
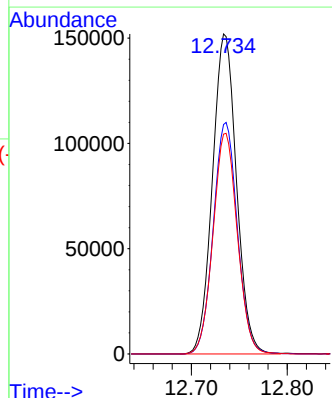
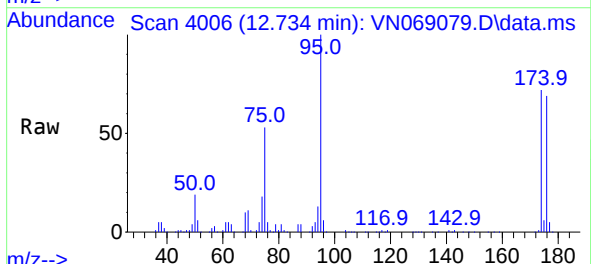
Instrument :
MSVOA_N
ClientSampled :

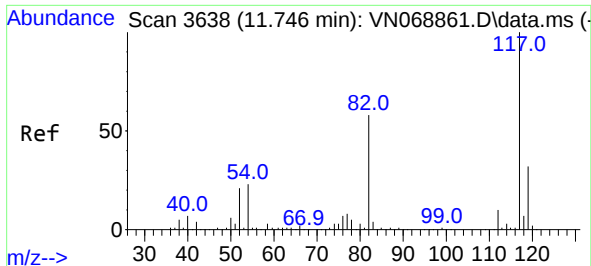
Tgt Ion: 43 Resp: 5278
Ion Ratio Lower Upper
43 100
58 44.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.958 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 95 Resp: 264724
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.8
176 69.7 0.0 140.0

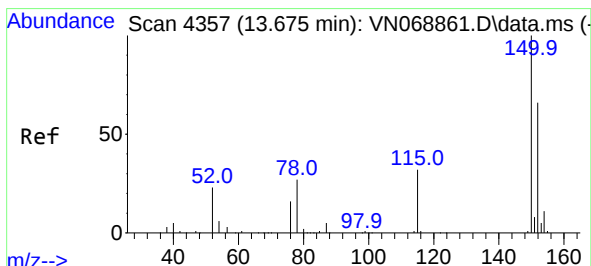
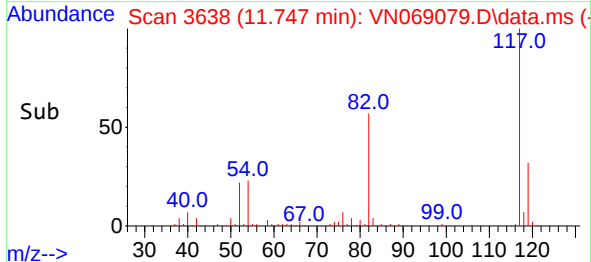
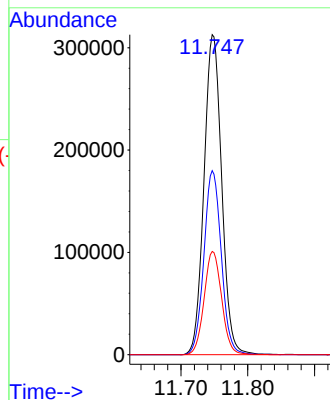
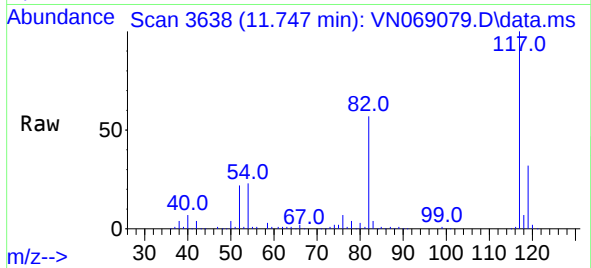




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

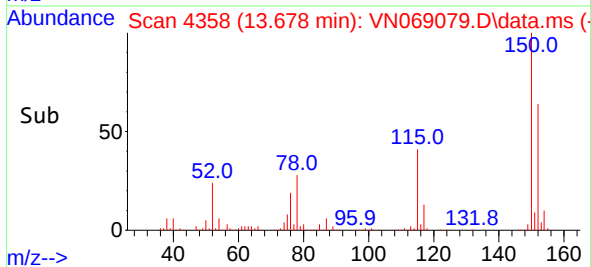
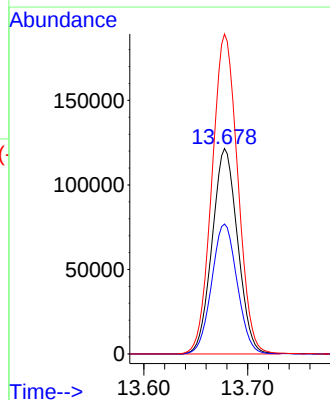
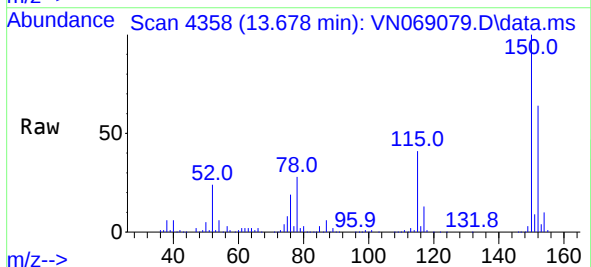
Instrument :
MSVOA_N
ClientSampleId :

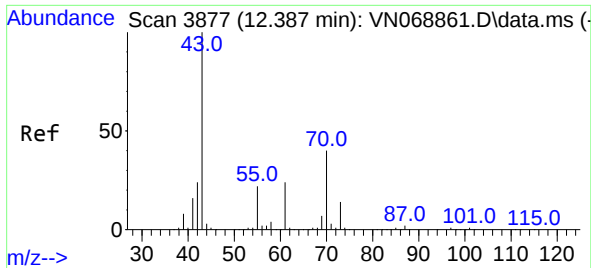
Tgt Ion:117 Resp: 576531
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion:152 Resp: 207648
Ion Ratio Lower Upper
152 100
115 63.4 31.4 94.3
150 157.7 0.0 351.0

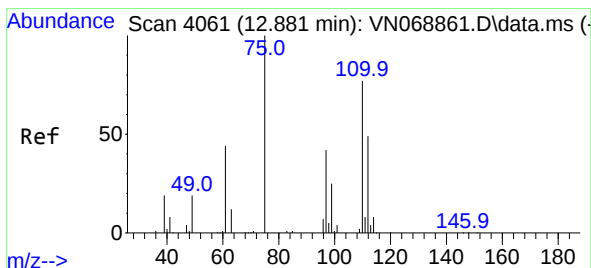
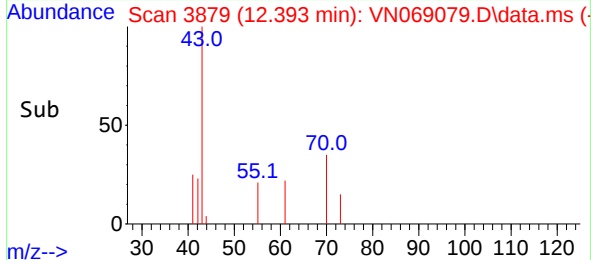
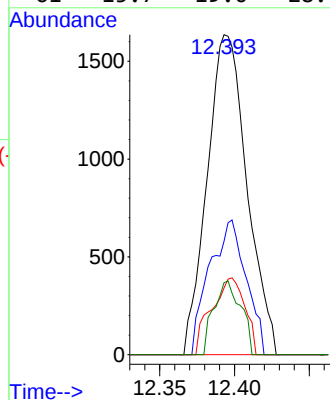
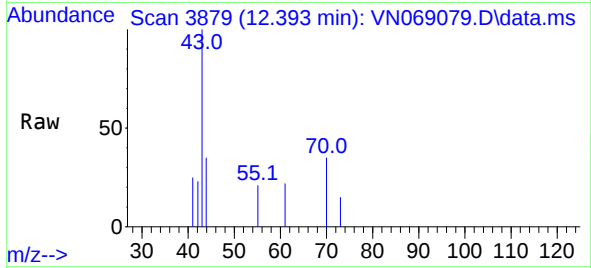




#74
N-amy1 acetate
Concen: 0.462 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

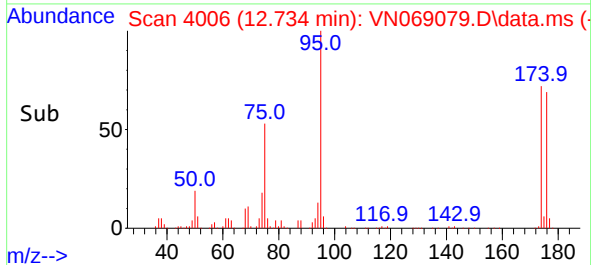
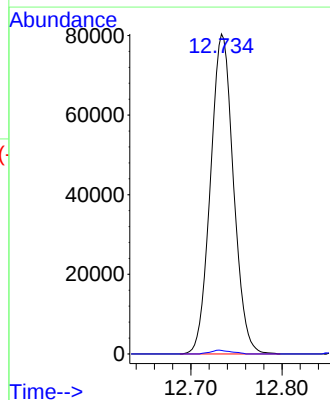
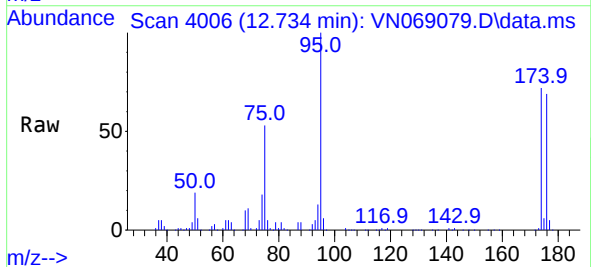
Instrument :
MSVOA_N
ClientSampled :

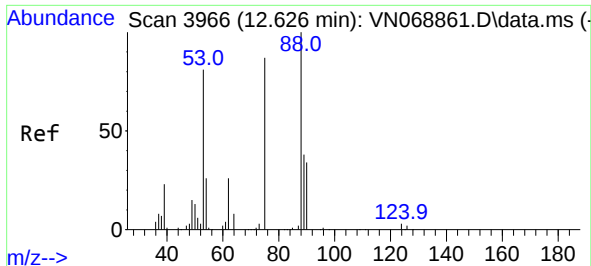
Tgt Ion:	43	Resp:	3025
Ion	Ratio	Lower	Upper
43	100		
70	38.8	32.2	48.2
55	20.1	18.0	27.0
61	15.7	19.0	28.4



#76
1,2,3-Trichloropropane
Concen: 31.858 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

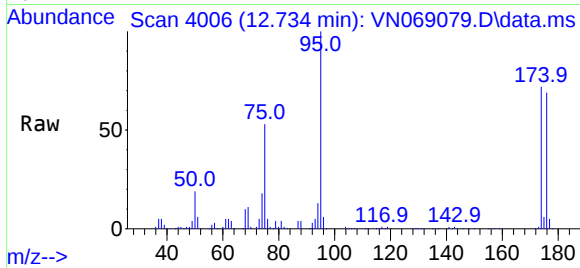
Tgt Ion:	75	Resp:	140755
Ion	Ratio	Lower	Upper
75	100		
77	1.1	96.2	288.4



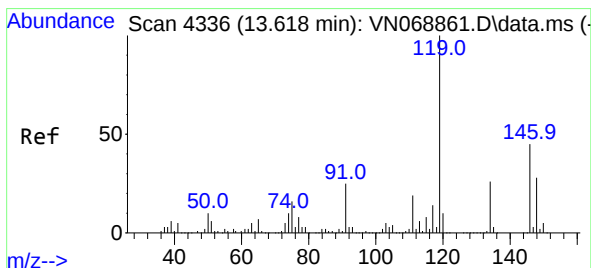
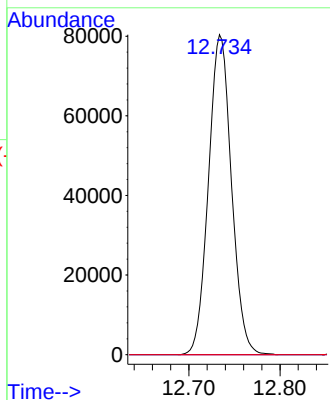
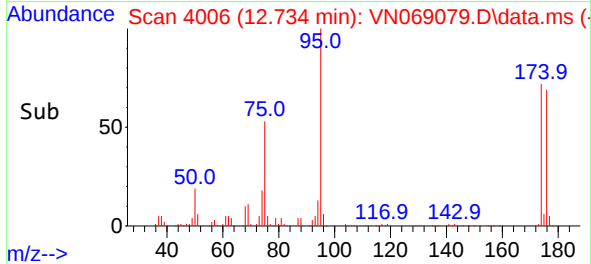


#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.219 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN069079.D
 Acq: 21 Oct 2021 11:08

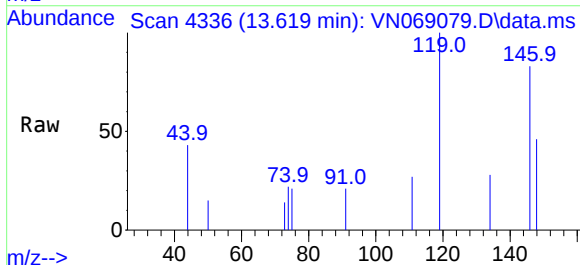
Instrument :
 MSVOA_N
 ClientSampleId :



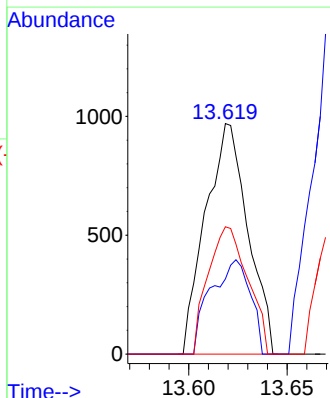
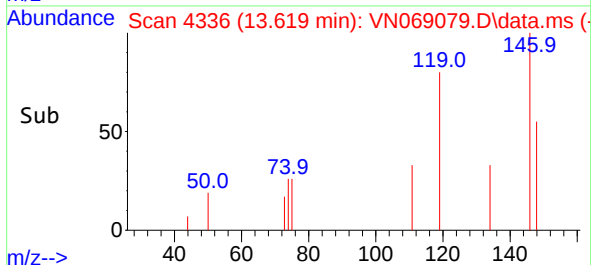
Tgt Ion: 75 Resp: 140755
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.2#
 89 0.0 36.9 55.3#

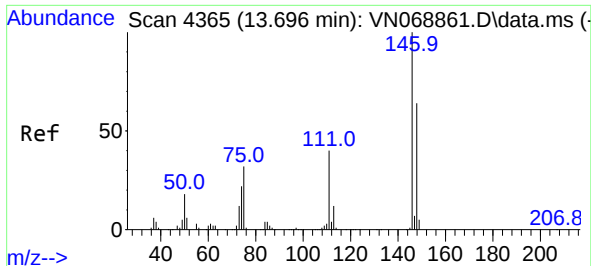


#87
 1,3-Dichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.000 min
 Lab File: VN069079.D
 Acq: 21 Oct 2021 11:08



Tgt Ion:146 Resp: 1449
 Ion Ratio Lower Upper
 146 100
 111 38.2 21.4 64.2
 148 51.9 32.0 96.2

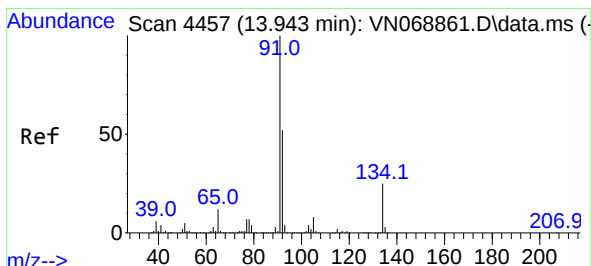
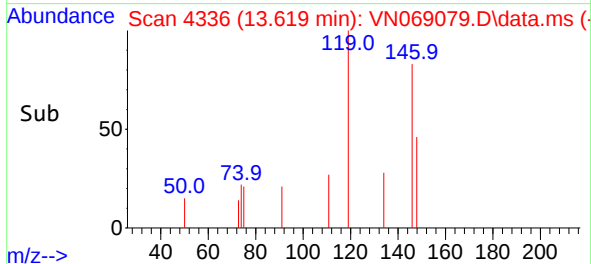
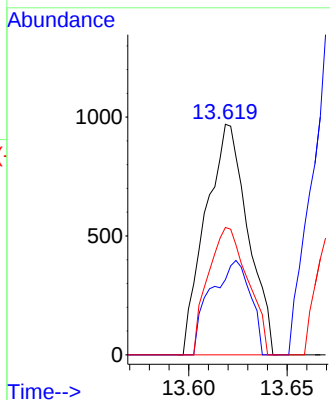
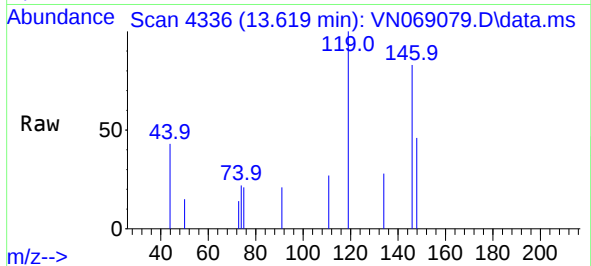




#88
1,4-Dichlorobenzene
Concen: 0.221 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

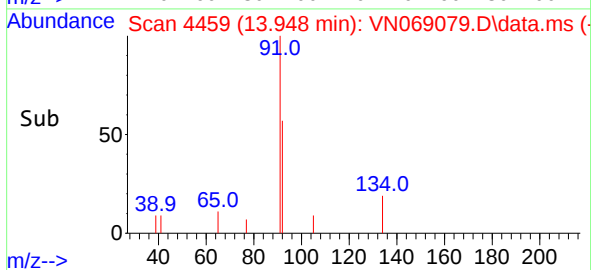
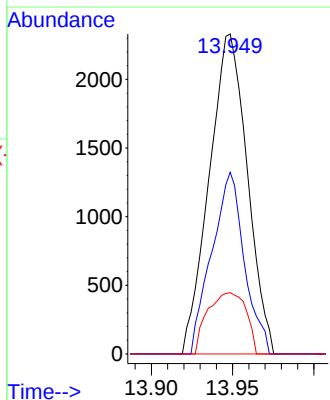
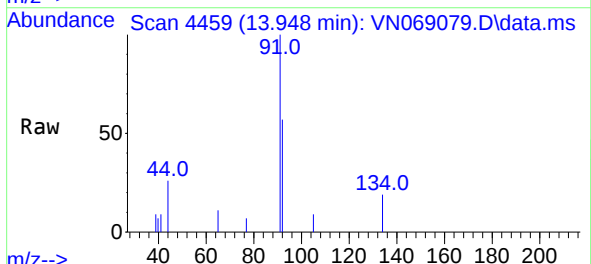
Instrument :
MSVOA_N
ClientSampled :

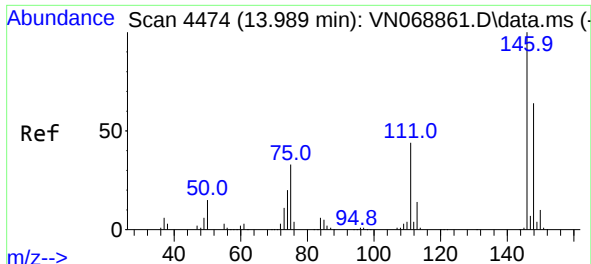
Tgt Ion:146 Resp: 1449
Ion Ratio Lower Upper
146 100
111 38.2 20.6 61.8
148 51.9 32.1 96.5



#89
n-Butylbenzene
Concen: 0.328 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.005 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

Tgt Ion: 91 Resp: 3796
Ion Ratio Lower Upper
91 100
92 48.7 26.0 78.0
134 19.3 12.5 37.5

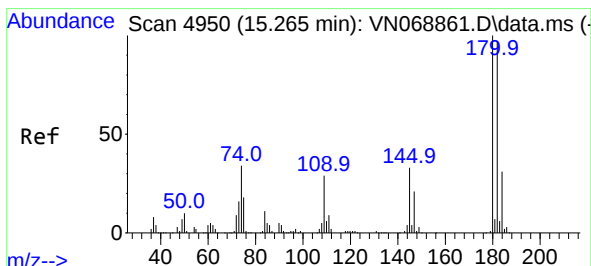
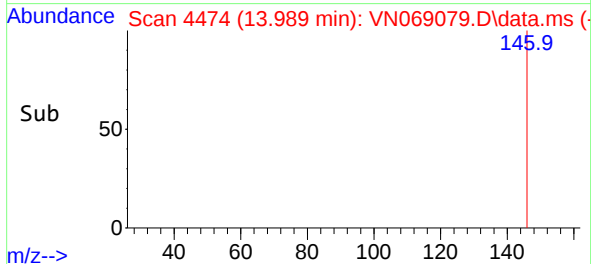
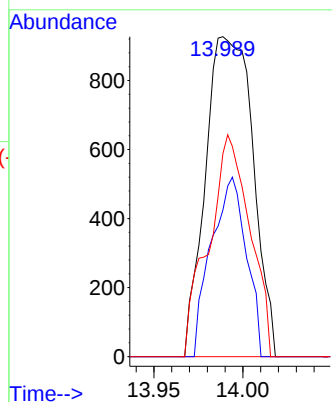
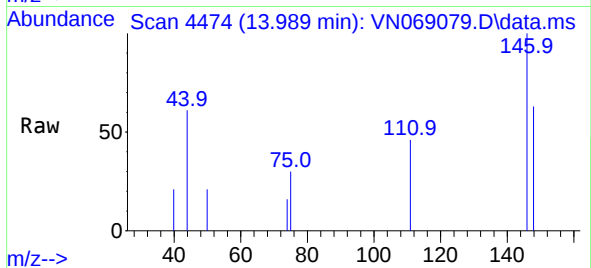




#91
1,2-Dichlorobenzene
Concen: 0.268 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

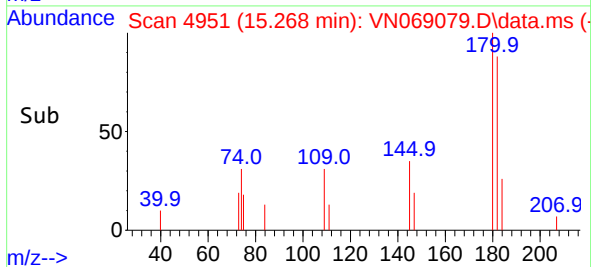
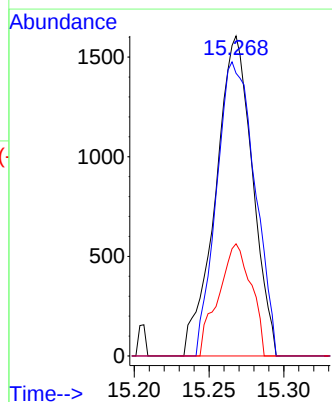
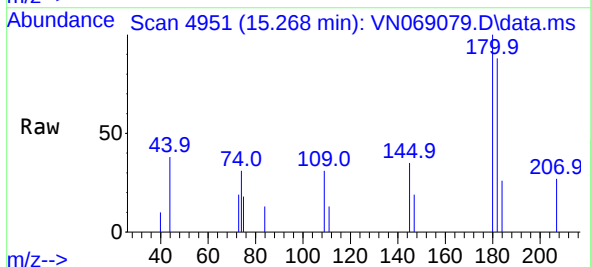
Instrument :
MSVOA_N
ClientSampled :

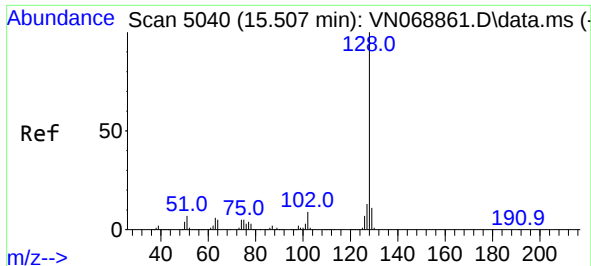
Tgt Ion:146 Resp: 1722
Ion Ratio Lower Upper
146 100
111 41.3 22.0 66.0
148 60.2 32.1 96.5



#93
1,2,4-Trichlorobenzene
Concen: 3.350 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

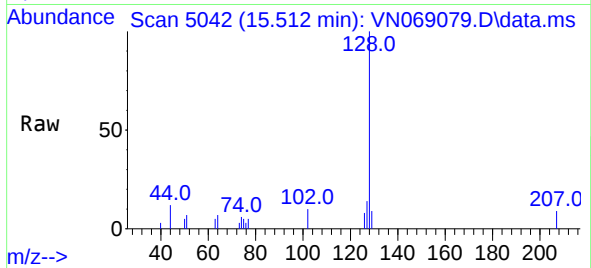
Tgt Ion:180 Resp: 2754
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 31.0 16.4 49.2



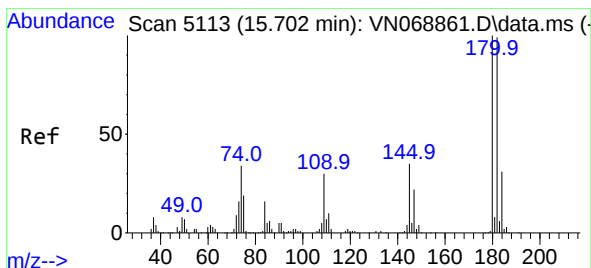
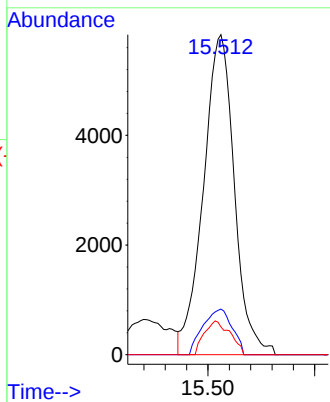
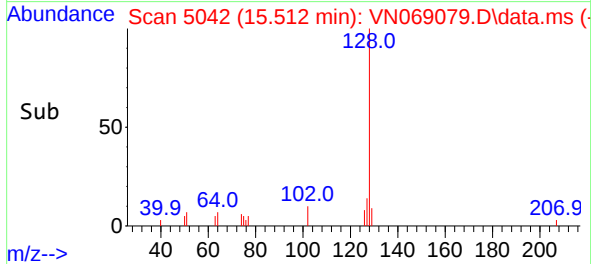


#95
Naphthalene
Concen: 4.937 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08

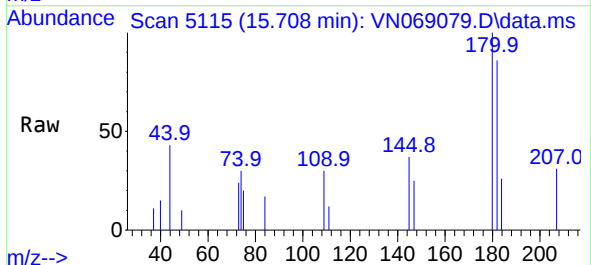
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 11734
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 8.8 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 3.526 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069079.D
Acq: 21 Oct 2021 11:08



Tgt Ion:180 Resp: 3536
Ion Ratio Lower Upper
180 100
182 83.8 48.1 144.3
145 28.8 17.4 52.2

