

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067230.D
 Acq On : 5 Jun 2021 15:15
 Operator : JC/MD
 Sample : M2589-33
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B10(4-6)

Quant Time: Jun 07 01:15:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

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

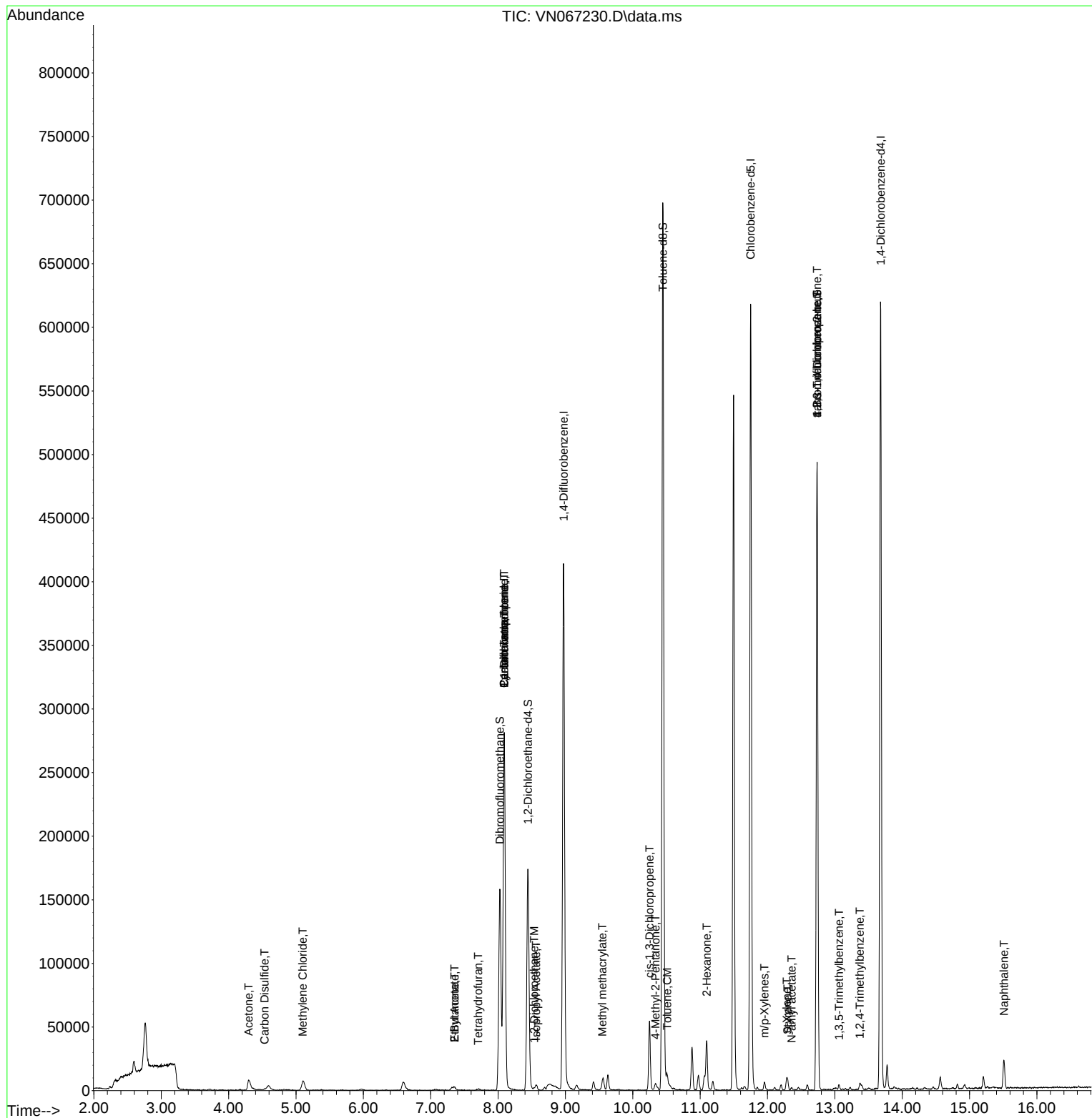
Internal Standards						
1) Pentafluorobenzene	8.091	168	219430	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.973	114	381090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	356053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	158254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	140594	47.004	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.000%		
35) Dibromofluoromethane	8.027	113	114015	48.260	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.520%		
50) Toluene-d8	10.446	98	485169	50.424	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.840%		
62) 4-Bromofluorobenzene	12.736	95	158374	42.738	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.480%		
Target Compounds						Qvalue
16) Acetone	4.296	43	16601	16.085	ug/l	91
17) Carbon Disulfide	4.535	76	2508	0.410	ug/l	# 74
20) Methylene Chloride	5.101	84	6188	2.381	ug/l	93
25) 2-Butanone	7.353	43	4810	2.910	ug/l	95
29) Tetrahydrofuran	7.705	42	398	0.405	ug/l	# 59
31) Cyclohexane	8.091	56	5387	1.341	ug/l	# 38
36) 1,1-Dichloropropene	8.091	75	17286	4.911	ug/l	# 49
37) Ethyl Acetate	7.353	43	4810	1.418	ug/l	# 65
38) Carbon Tetrachloride	8.091	117	22122	5.755	ug/l	# 15
42) 1,2-Dichloroethane	8.536	62	937	0.250	ug/l	# 73
43) Isopropyl Acetate	8.566	43	5103	0.791	ug/l	# 72
48) Methyl methacrylate	9.547	41	4385	1.569	ug/l	# 21
51) 4-Methyl-2-Pentanone	10.338	43	6211	1.643	ug/l	# 65
52) Toluene	10.510	92	3739	0.519	ug/l	90
54) cis-1,3-Dichloropropene	10.250	75	9731	2.088	ug/l	# 69
59) 2-Hexanone	11.097	43	5305	1.931	ug/l	# 58
68) m/p-Xylenes	11.956	106	1998	0.365	ug/l	78
69) o-Xylene	12.288	106	1748	0.326	ug/l	76
70) Styrene	12.299	104	3328	0.364	ug/l	98
74) N-amyl acetate	12.358	43	1872	0.386	ug/l	# 43
76) 1,2,3-Trichloropropane	12.736	75	89420	29.382	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.063	105	2206	0.212	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.736	75	89420	71.890	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.372	105	3814	0.368	ug/l	84
95) Naphthalene	15.509	128	20575	7.090	ug/l	99

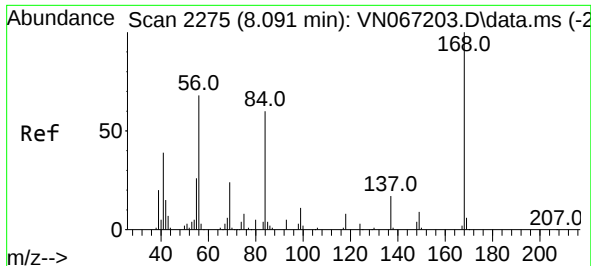
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 04 19:00:20 2021
Response via : Initial Calibration

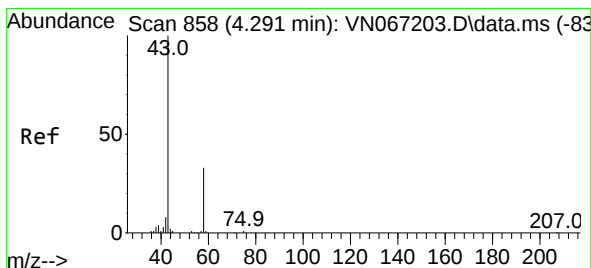
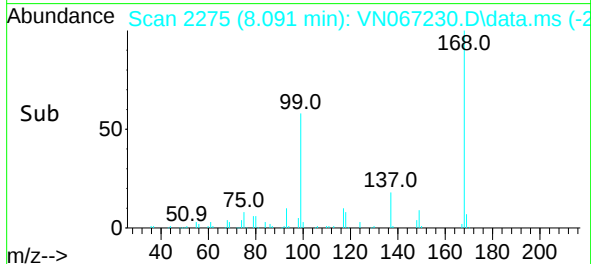
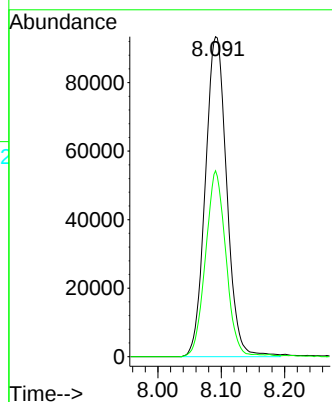
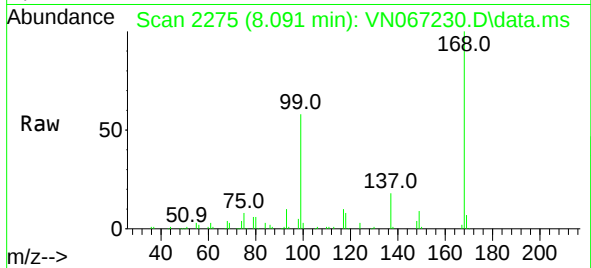




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

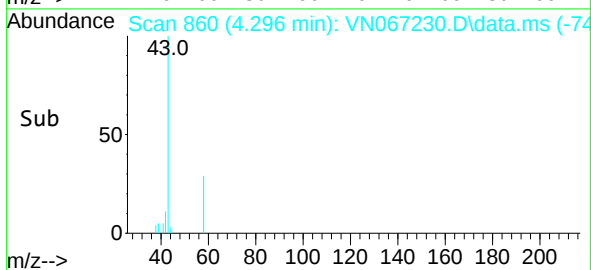
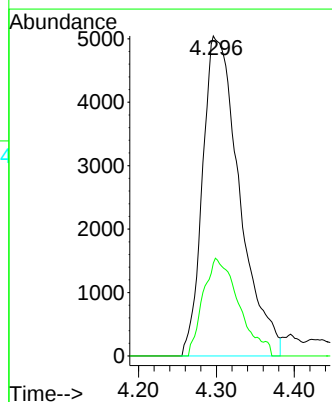
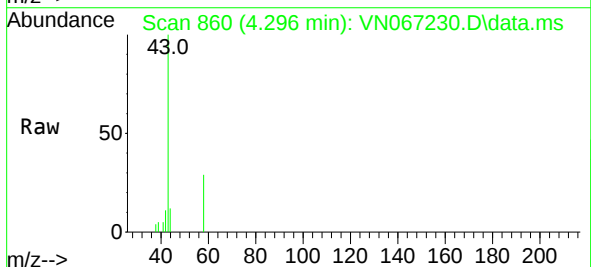
Instrument :
MSVOA_N
ClientSampled :
18-B10(4-6)

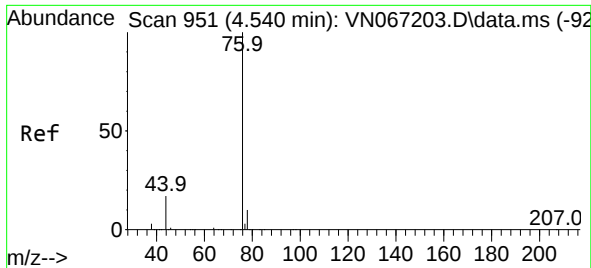
Tgt Ion:168 Resp: 219430
Ion Ratio Lower Upper
168 100
99 58.1 38.5 57.7#



#16
Acetone
Concen: 16.085 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion: 43 Resp: 16601
Ion Ratio Lower Upper
43 100
58 29.0 27.2 40.8

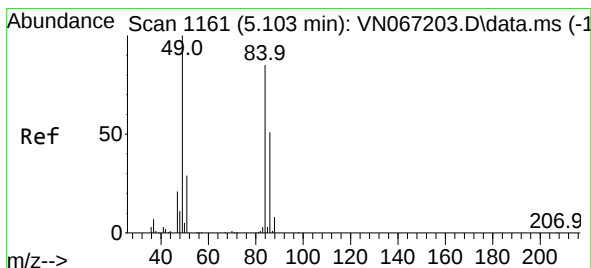
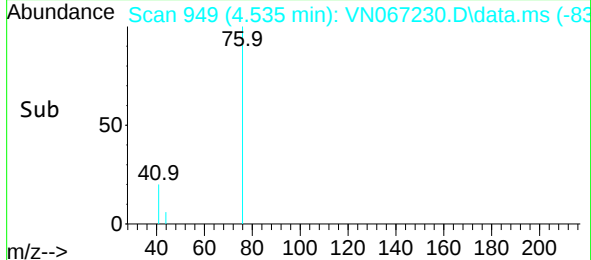
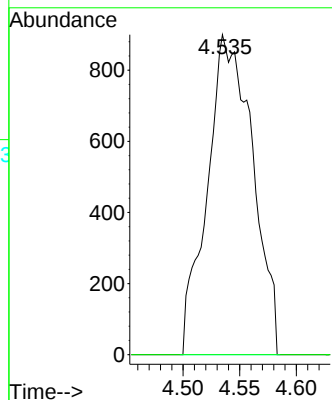
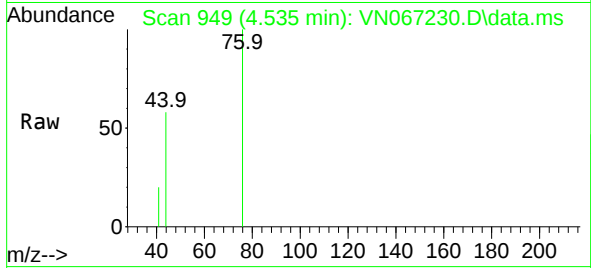




#17
Carbon Disulfide
Concen: 0.410 ug/l
RT: 4.535 min Scan# 949
Delta R.T. -0.005 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

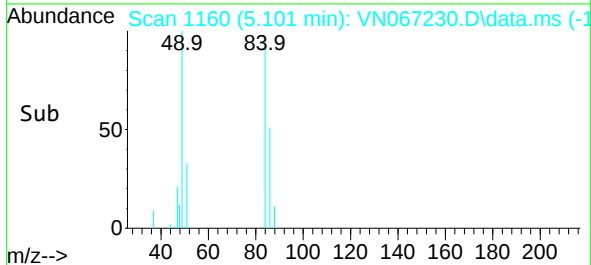
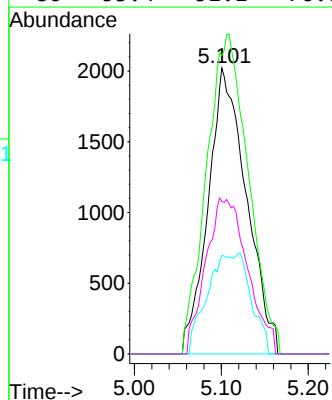
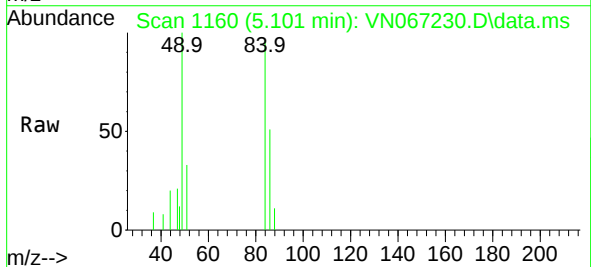
Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

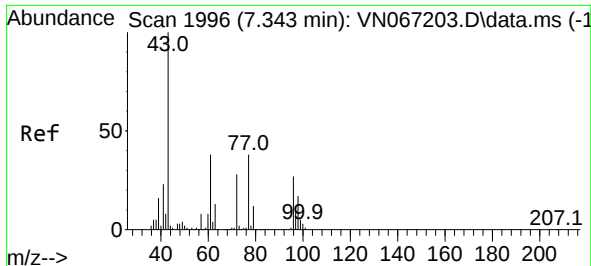
Tgt Ion: 76 Resp: 2508
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 2.381 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. -0.003 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion: 84 Resp: 6188
Ion Ratio Lower Upper
84 100
49 104.5 88.3 132.5
51 34.5 26.7 40.1
86 53.4 51.1 76.7

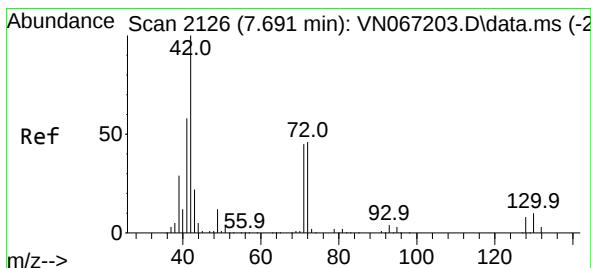
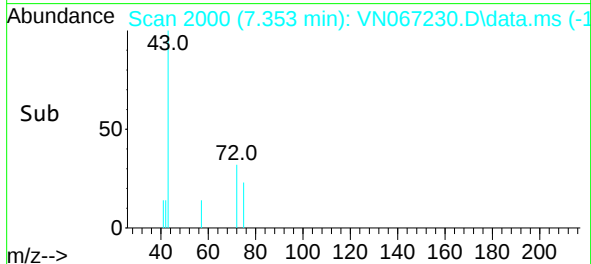
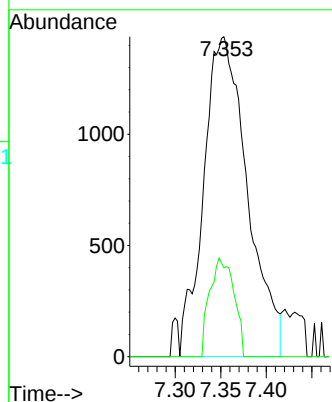
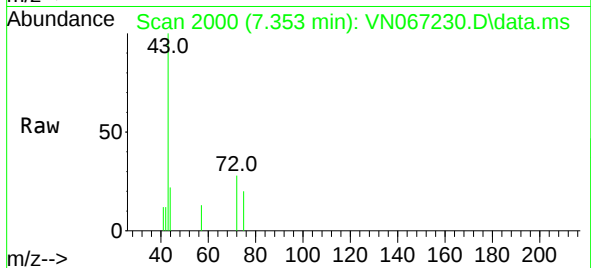




#25
2-Butanone
Concen: 2.910 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.010 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

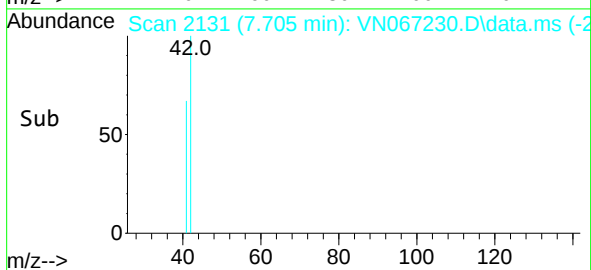
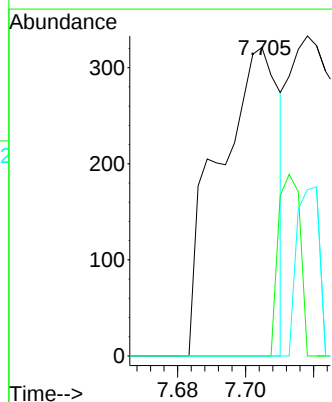
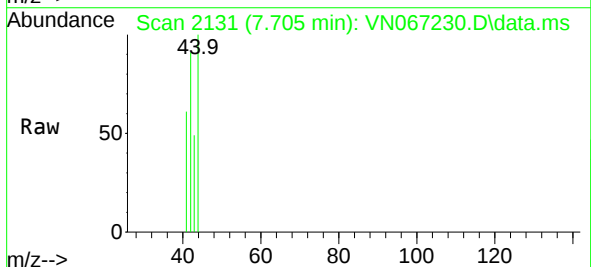
Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

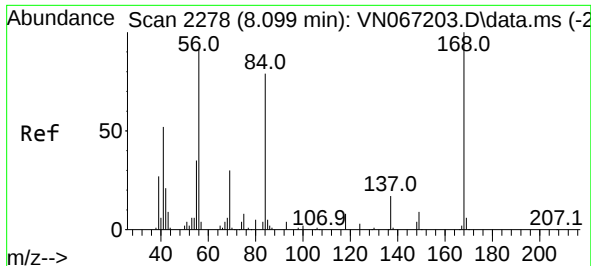
Tgt Ion: 43 Resp: 4810
Ion Ratio Lower Upper
43 100
72 27.8 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.405 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.014 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

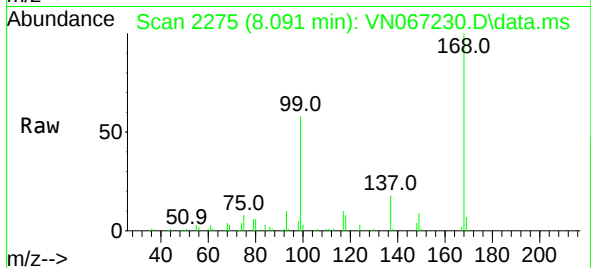
Tgt Ion: 42 Resp: 398
Ion Ratio Lower Upper
42 100
72 21.4 40.1 60.1#
71 20.4 37.9 56.9#



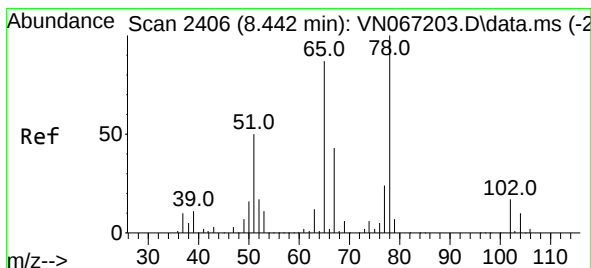
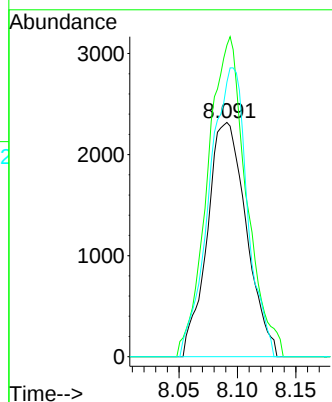
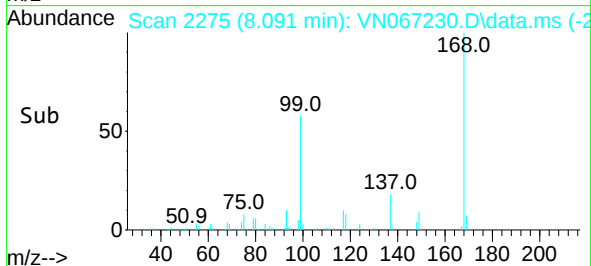


#31
Cyclohexane
Concen: 1.341 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

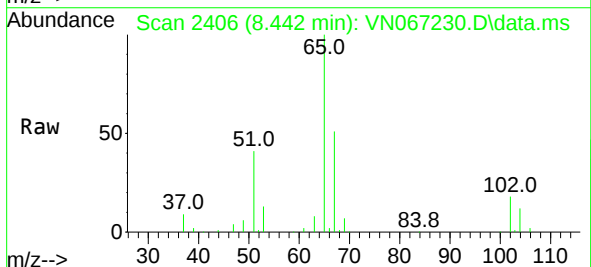
Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)



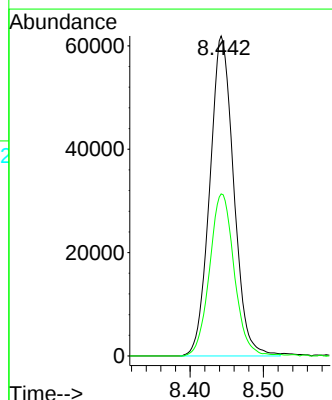
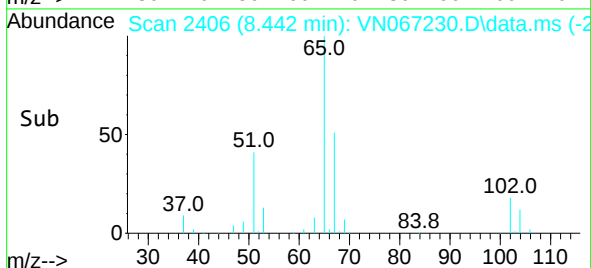
Tgt Ion: 56 Resp: 5387
Ion Ratio Lower Upper
56 100
69 126.5 28.0 42.0#
84 117.3 74.2 111.2#

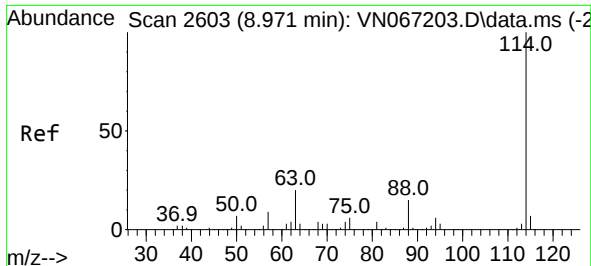


#33
1,2-Dichloroethane-d4
Concen: 47.004 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15



Tgt Ion: 65 Resp: 140594
Ion Ratio Lower Upper
65 100
67 52.0 0.0 110.4

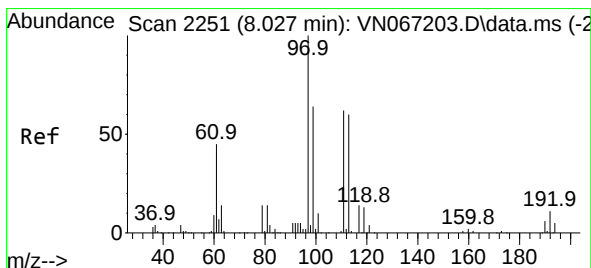
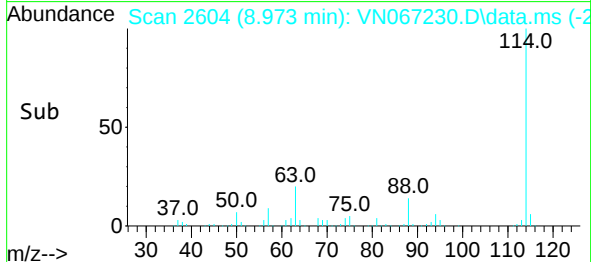
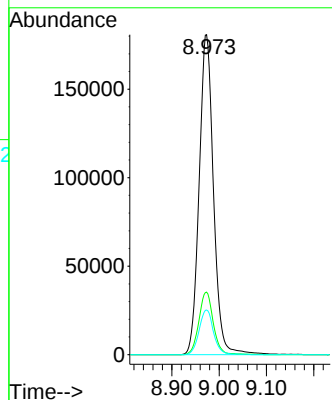
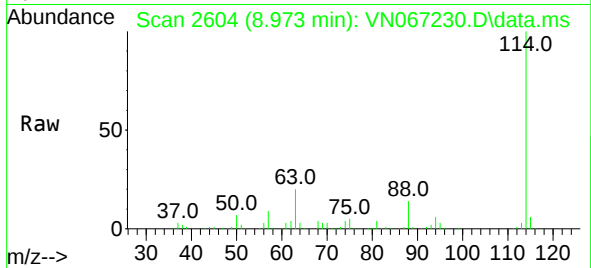




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

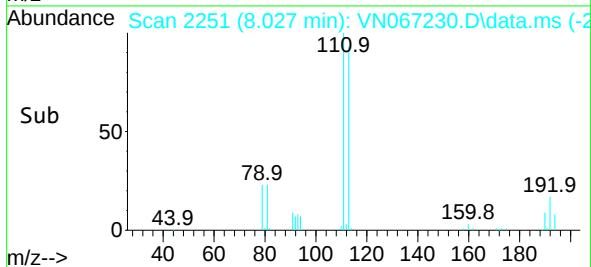
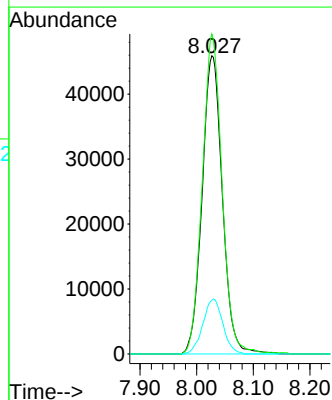
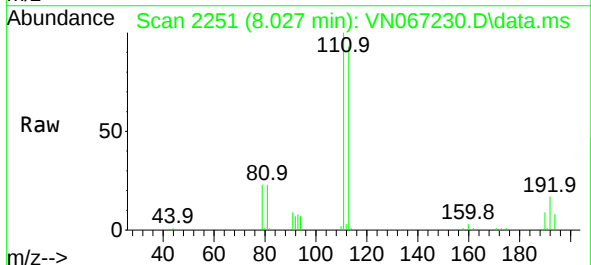
Instrument :
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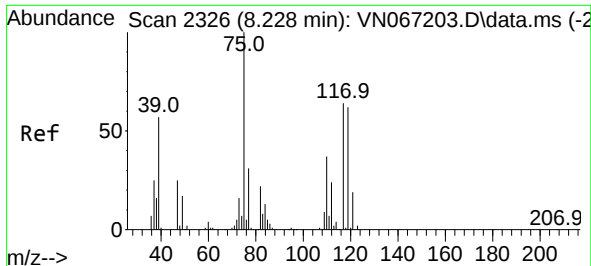
Tgt Ion:114 Resp: 381090
Ion Ratio Lower Upper
114 100
63 19.6 0.0 35.8
88 14.0 0.0 30.4



#35
Dibromofluoromethane
Concen: 48.260 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

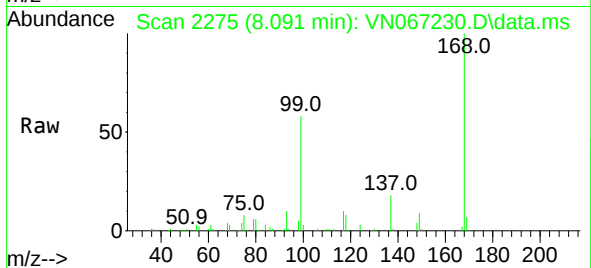
Tgt Ion:113 Resp: 114015
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 18.2 18.2 27.4#



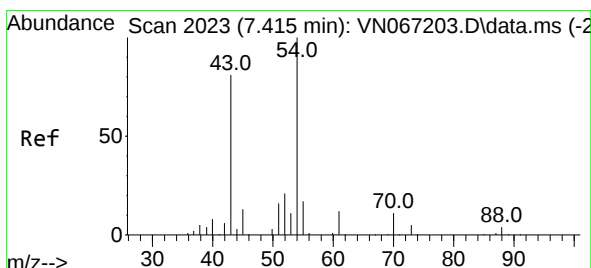
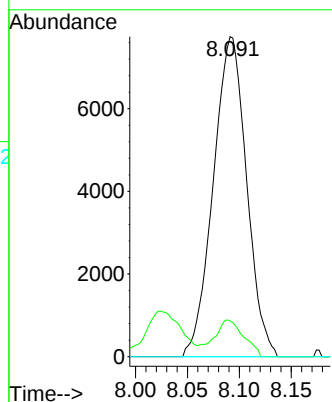
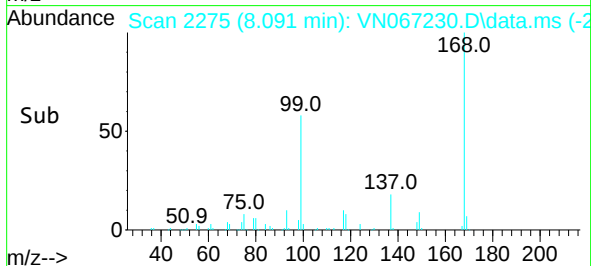


#36
1,1-Dichloropropene
Concen: 4.911 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.137 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

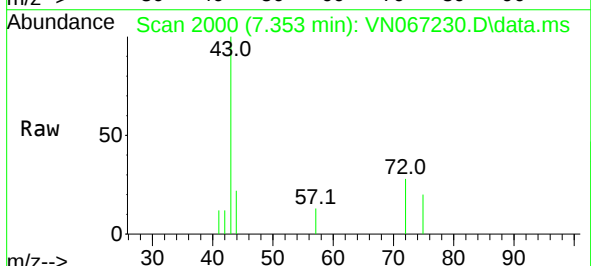
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MSVOA_N
ClientSampled :
18-B10(4-6)



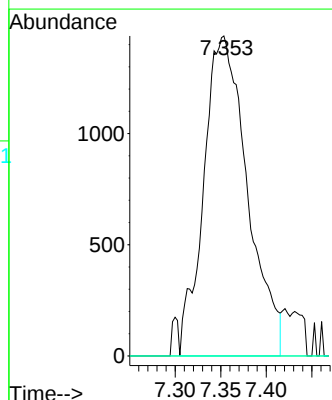
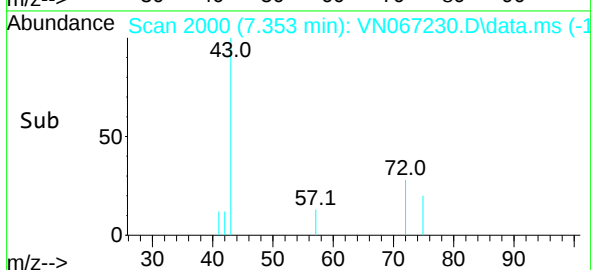
Tgt Ion: 75 Resp: 17286
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 24.8 37.2#

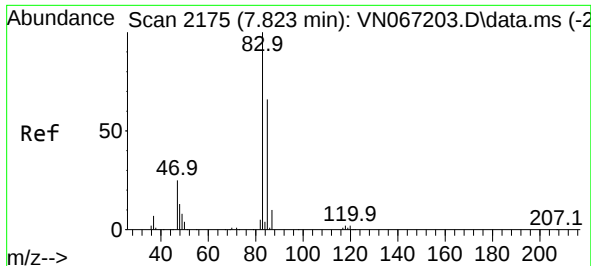


#37
Ethyl Acetate
Concen: 1.418 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.062 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15



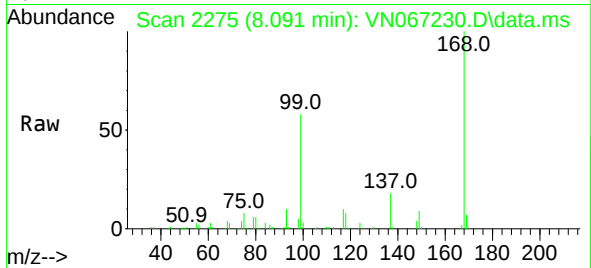
Tgt Ion: 43 Resp: 4810
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.2 13.8#



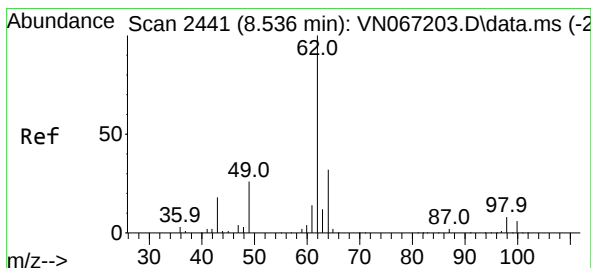
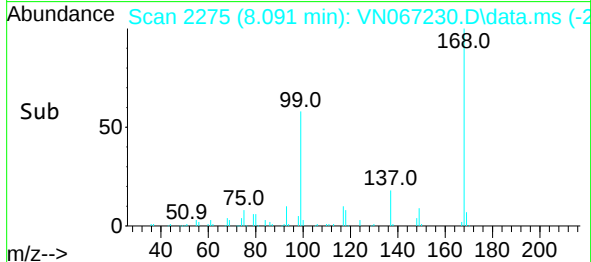
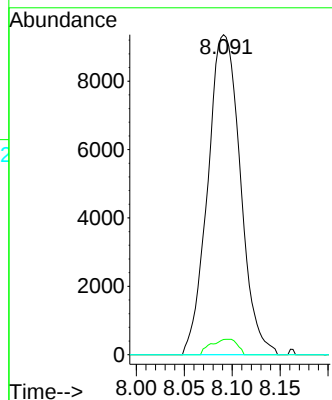


#38
Carbon Tetrachloride
Concen: 5.755 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.121 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

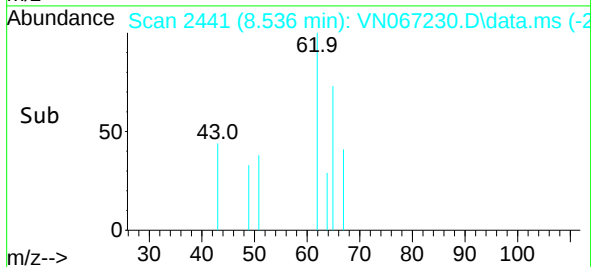
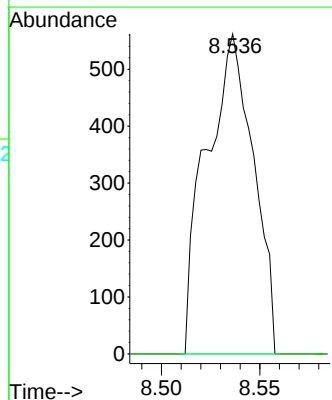
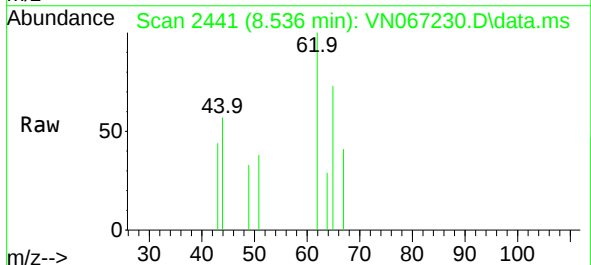


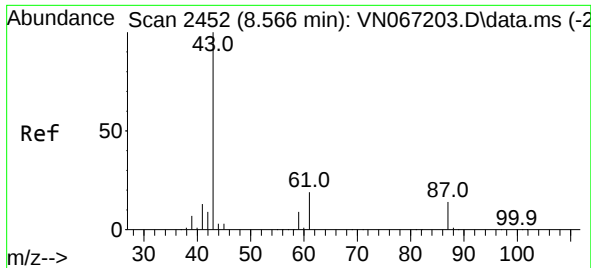
Tgt Ion:117 Resp: 22122
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 0.250 ug/l
RT: 8.536 min Scan# 2441
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion: 62 Resp: 937
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

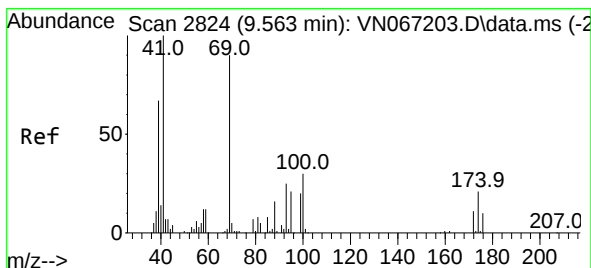
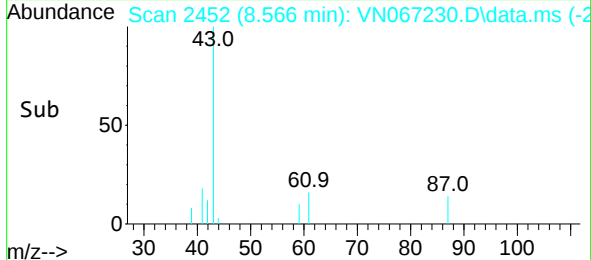
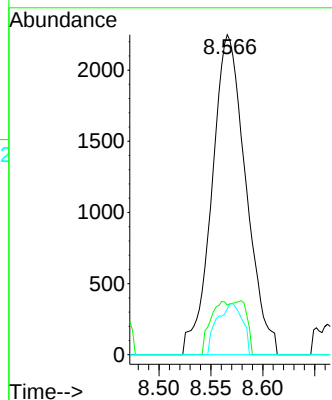
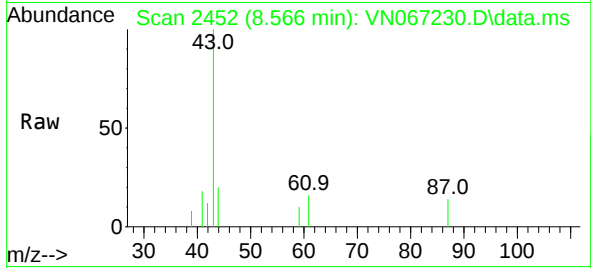




#43
Isopropyl Acetate
Concen: 0.791 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

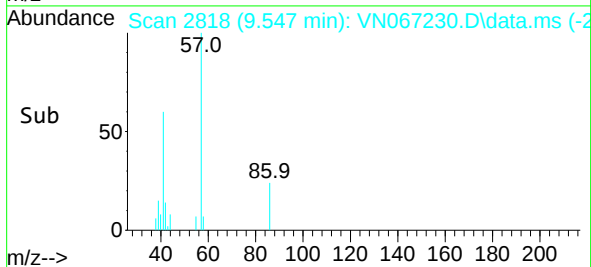
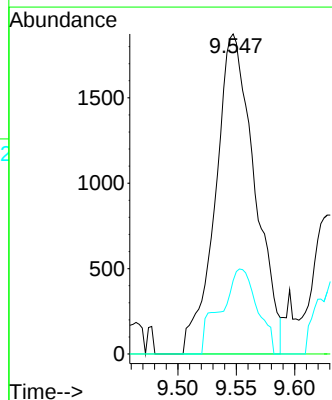
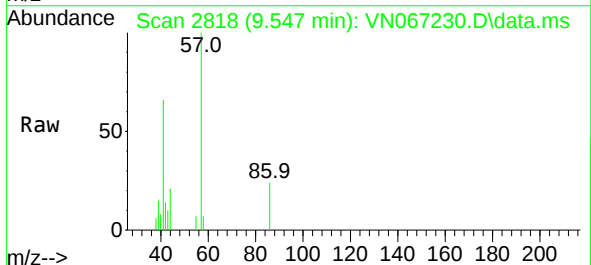
Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

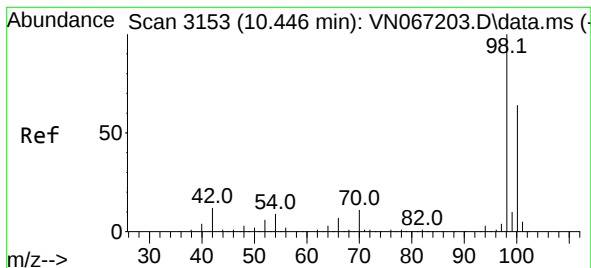
Tgt Ion: 43 Resp: 5103
Ion Ratio Lower Upper
43 100
61 8.5 23.4 35.0#
87 11.9 12.2 18.2#



#48
Methyl methacrylate
Concen: 1.569 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion: 41 Resp: 4385
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 24.9 41.4 62.0#

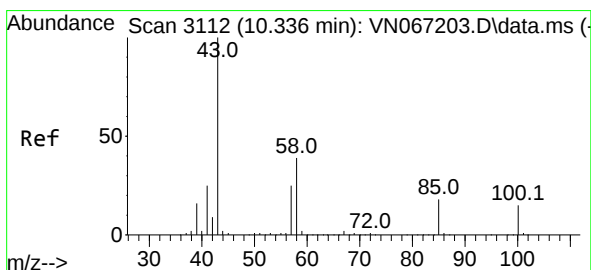
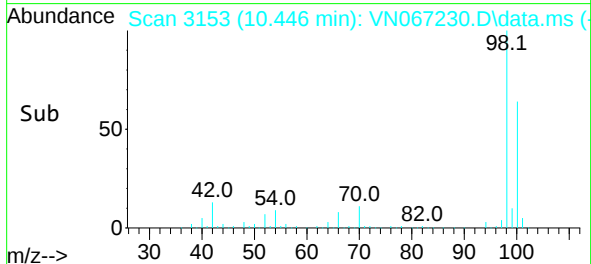
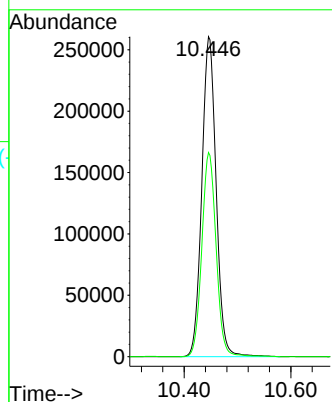
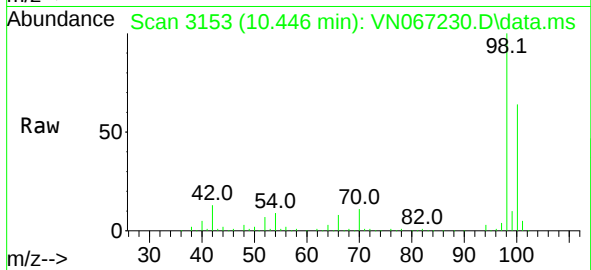




#50
Toluene-d8
Concen: 50.424 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

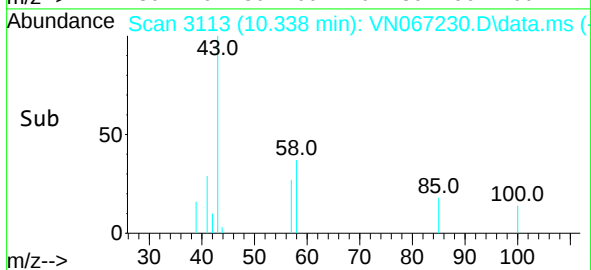
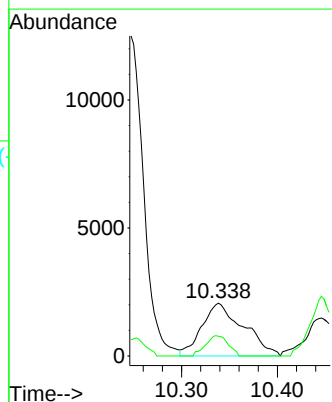
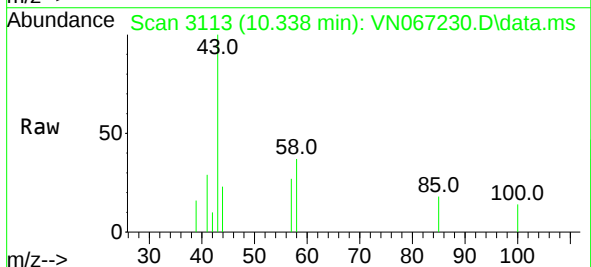
Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

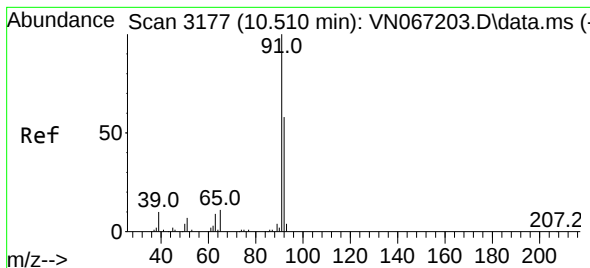
Tgt Ion: 98 Resp: 485169
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.643 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.002 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion: 43 Resp: 6211
Ion Ratio Lower Upper
43 100
58 20.9 34.5 51.7#





#52

Toluene

Concen: 0.519 ug/l

RT: 10.510 min Scan# 3177

Delta R.T. 0.000 min

Lab File: VN067230.D

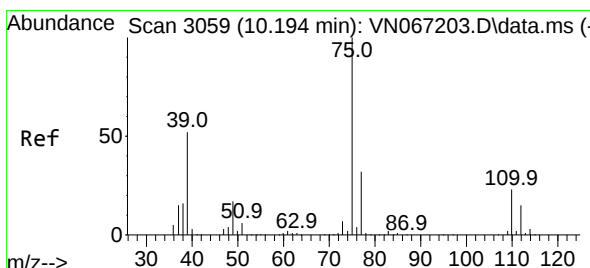
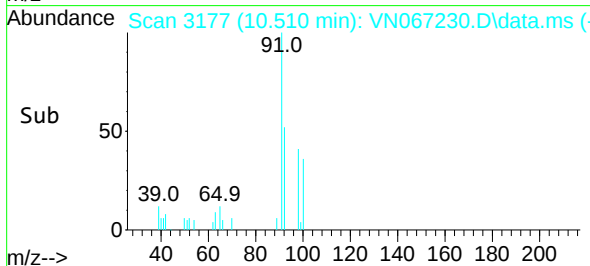
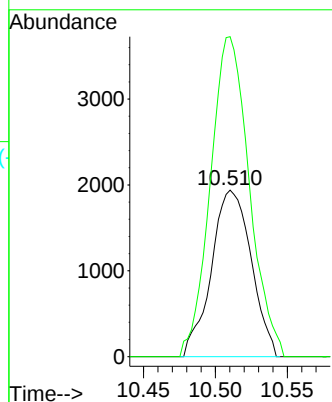
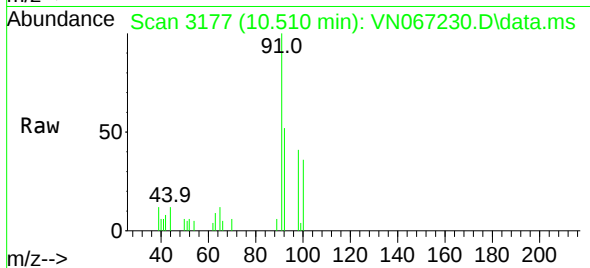
Acq: 5 Jun 2021 15:15

Tgt Ion: 92 Resp: 3739

Ion Ratio Lower Upper

92 100

91 187.4 138.7 208.1



#54

cis-1,3-Dichloropropene

Concen: 2.088 ug/l

RT: 10.250 min Scan# 3080

Delta R.T. 0.056 min

Lab File: VN067230.D

Acq: 5 Jun 2021 15:15

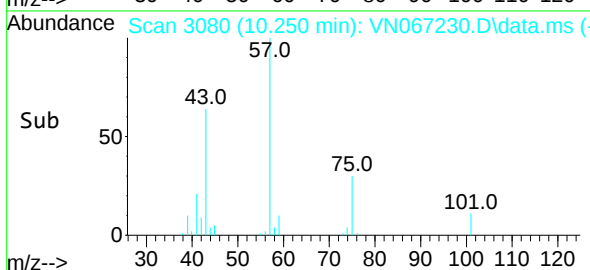
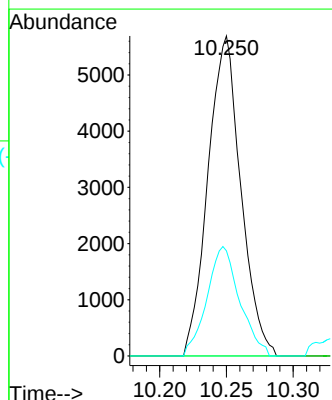
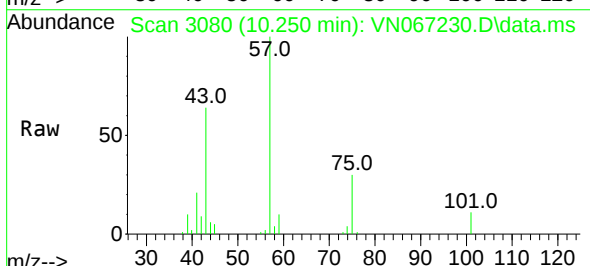
Tgt Ion: 75 Resp: 9731

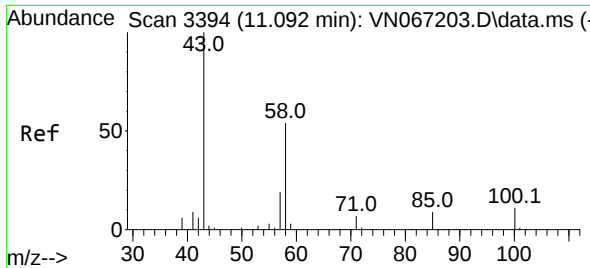
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 32.8 30.9 46.3

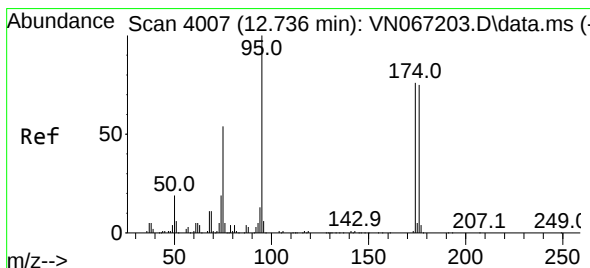
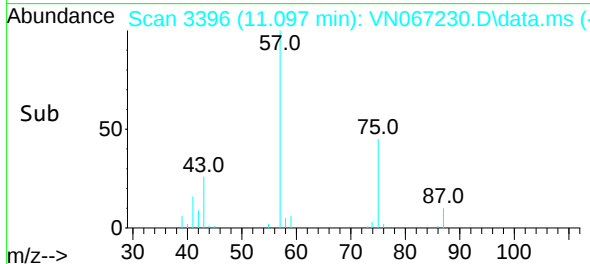
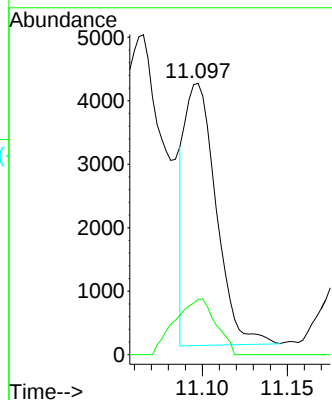
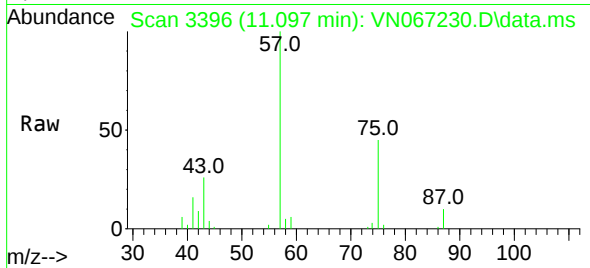




#59
2-Hexanone
Concen: 1.931 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.005 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

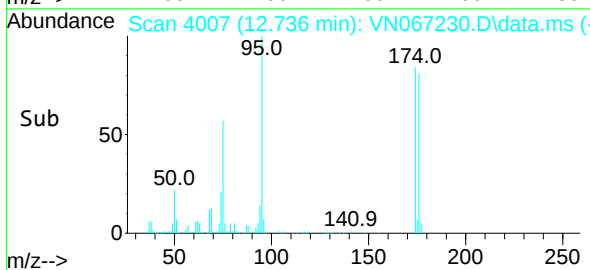
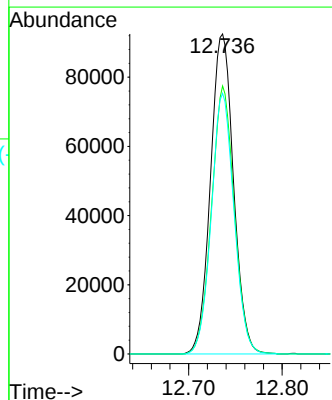
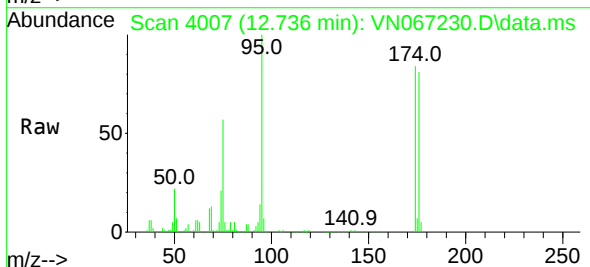
Instrument :
MSVOA_N
ClientSampled :
18-B10(4-6)

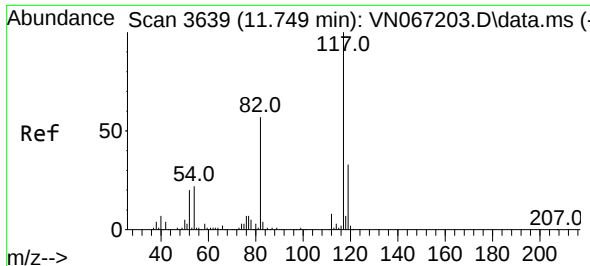
Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
58 27.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 42.738 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion: 95 Resp: 158374
Ion Ratio Lower Upper
95 100
174 82.6 0.0 182.8
176 80.2 0.0 176.6

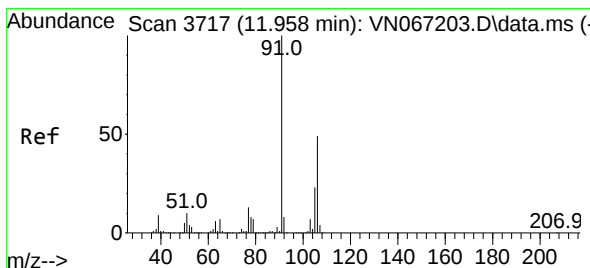
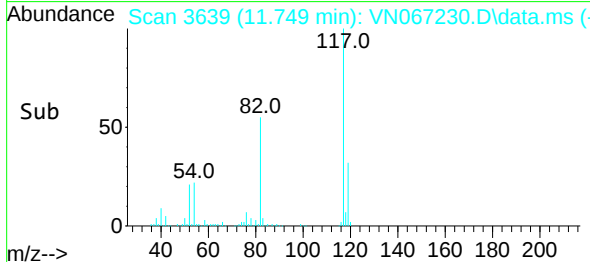
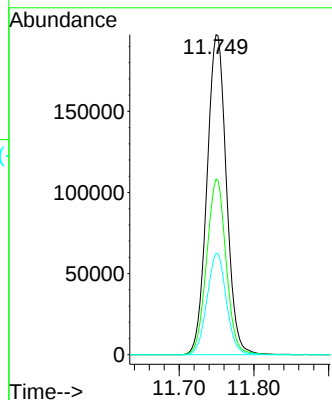
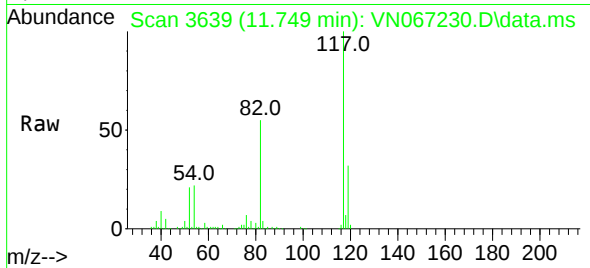




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

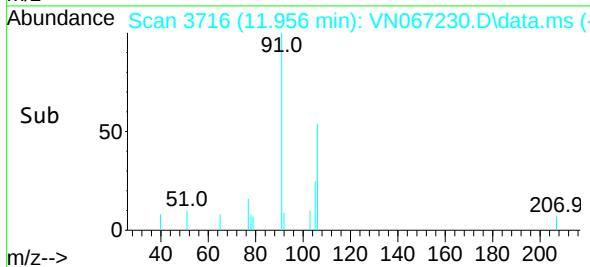
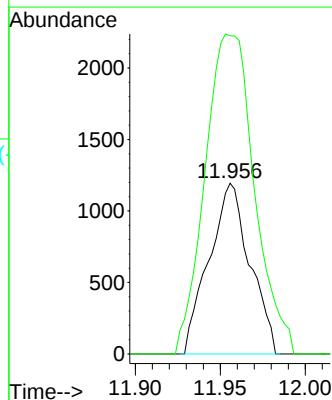
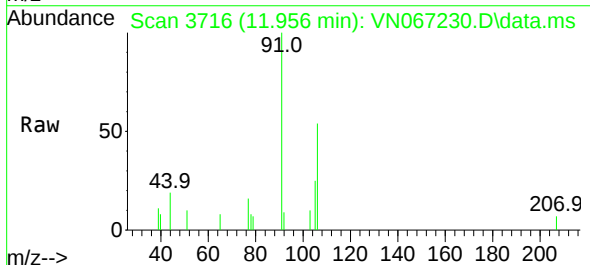
Instrument :
MSVOA_N
ClientSampled :
18-B10(4-6)

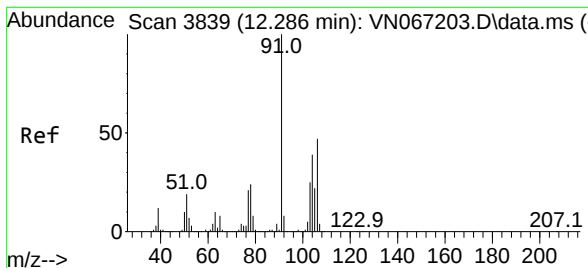
Tgt Ion:117 Resp: 356053
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.2
119 31.7 25.8 38.6



#68
m/p-Xylenes
Concen: 0.365 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.002 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion:106 Resp: 1998
Ion Ratio Lower Upper
106 100
91 226.3 155.2 232.8

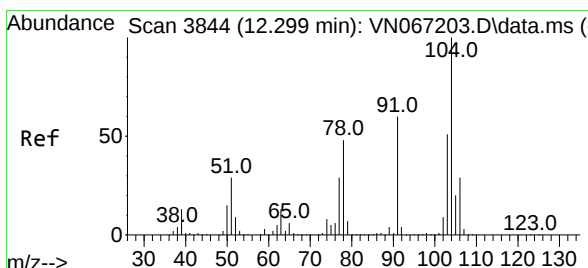
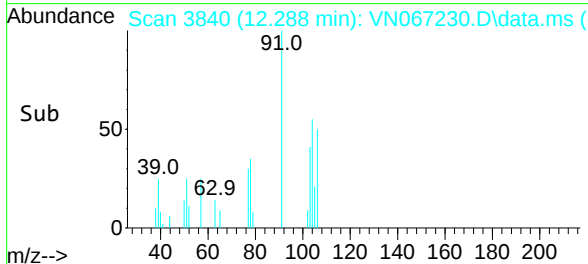
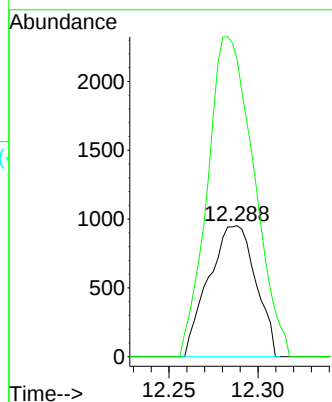
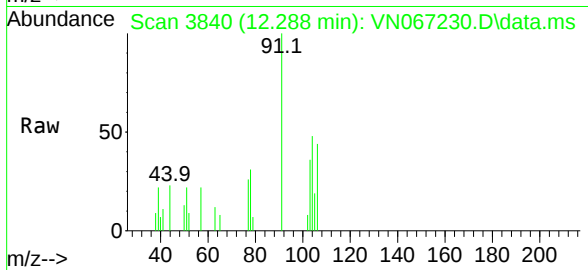




#69
o-Xylene
Concen: 0.326 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. 0.003 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

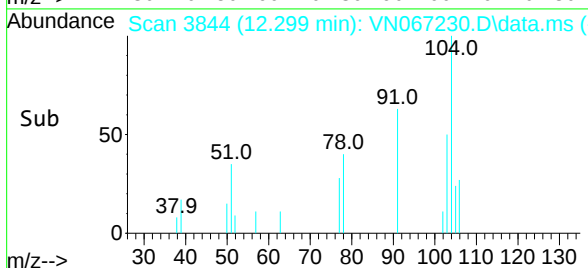
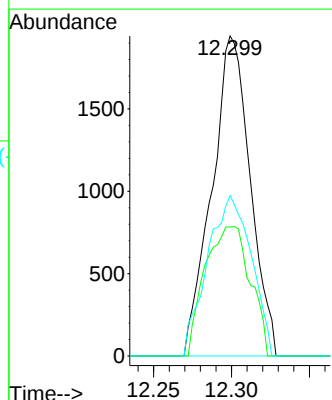
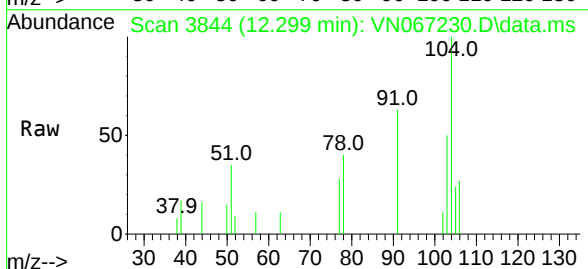
Instrument :
MSVOA_N
ClientSampled :
18-B10(4-6)

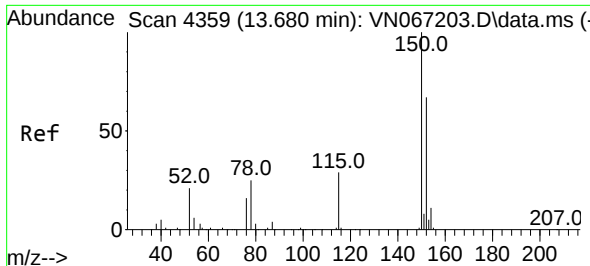
Tgt Ion:106 Resp: 1748
Ion Ratio Lower Upper
106 100
91 240.6 102.3 306.8



#70
Styrene
Concen: 0.364 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion:104 Resp: 3328
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 57.2 44.2 66.4

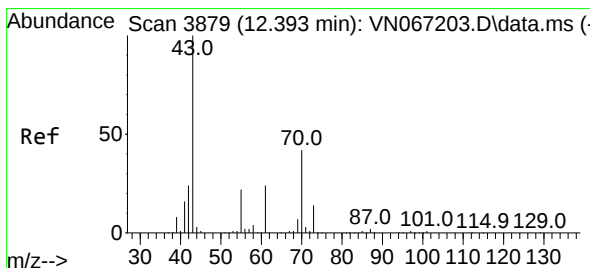
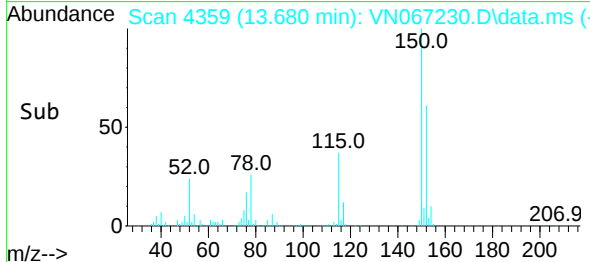
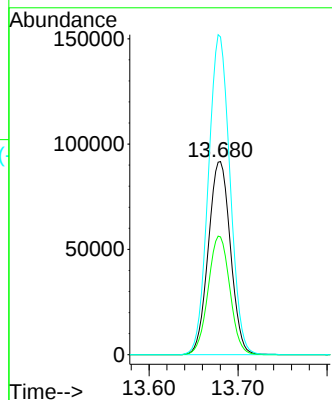
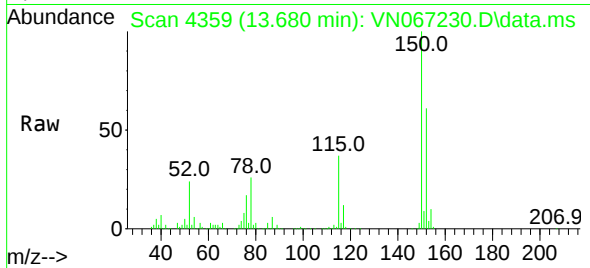




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

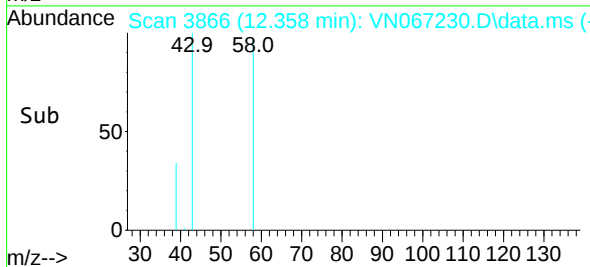
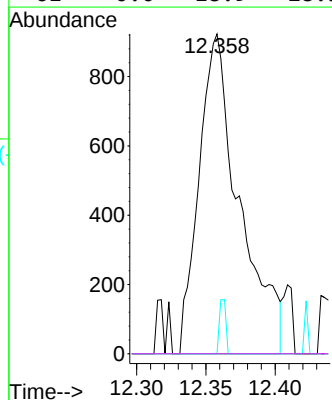
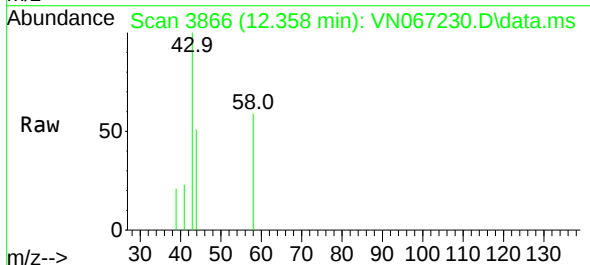
Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

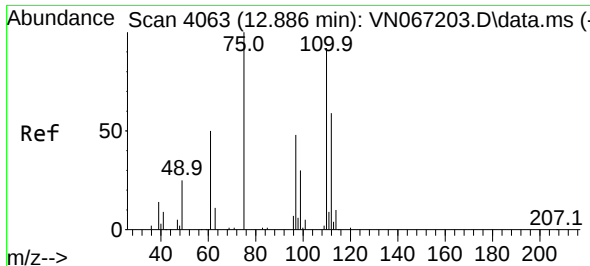
Tgt Ion:152 Resp: 158254
Ion Ratio Lower Upper
152 100
115 60.3 27.0 80.8
150 162.0 0.0 350.2



#74
N-ethyl acetate
Concen: 0.386 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.035 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

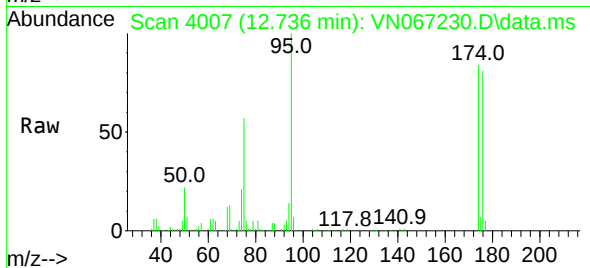
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
70 0.0 36.7 55.1#
55 2.7 17.6 26.4#
61 0.0 18.9 28.3#



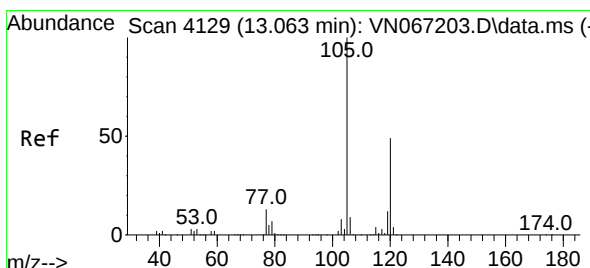
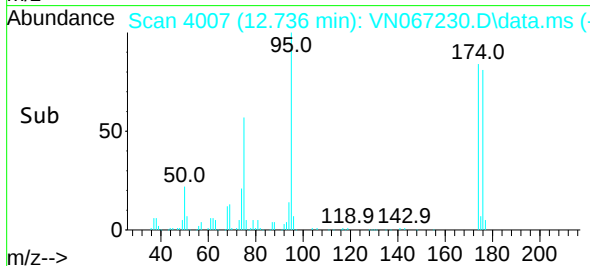
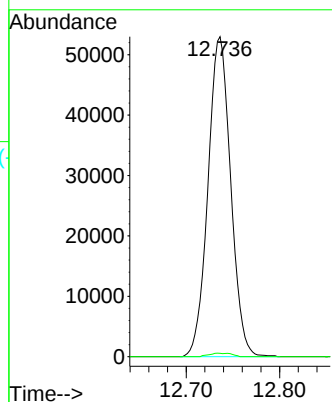


#76
1,2,3-Trichloropropane
Concen: 29.382 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

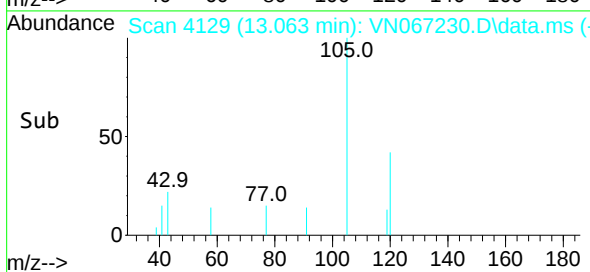
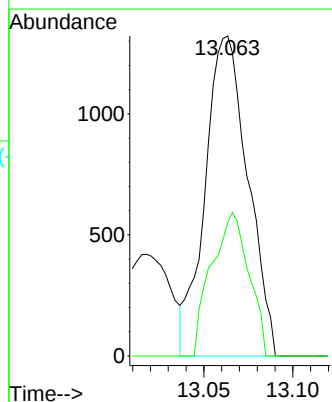
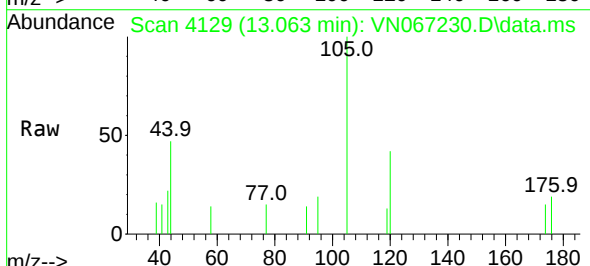


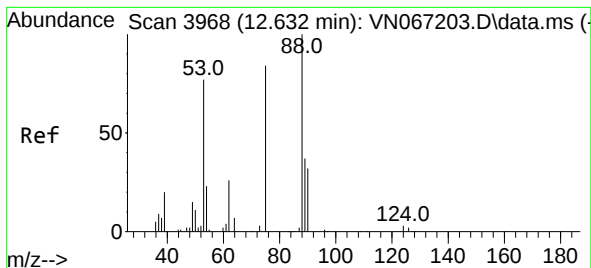
Tgt Ion: 75 Resp: 89420
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.212 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Tgt Ion: 105 Resp: 2206
Ion Ratio Lower Upper
105 100
120 39.2 25.0 75.0

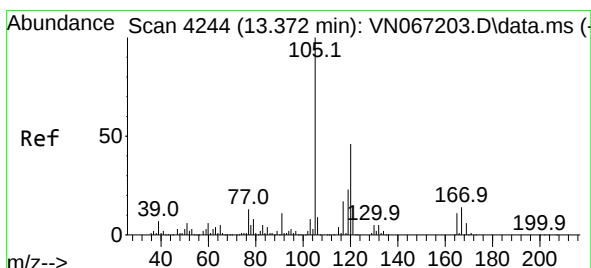
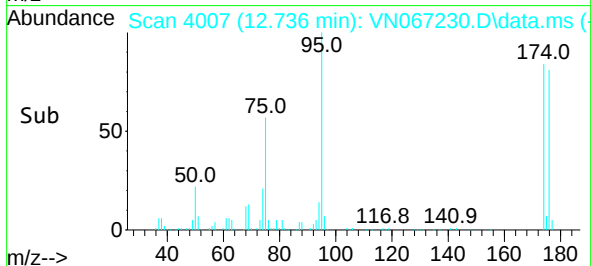
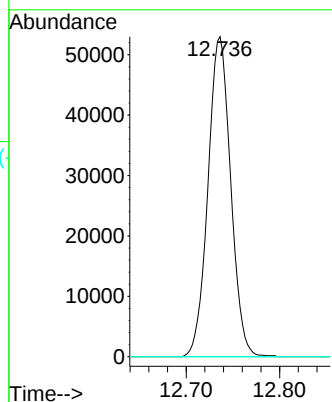
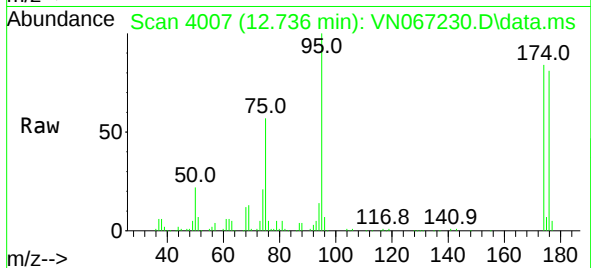




#81
trans-1,4-Dichloro-2-butene
Concen: 71.890 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

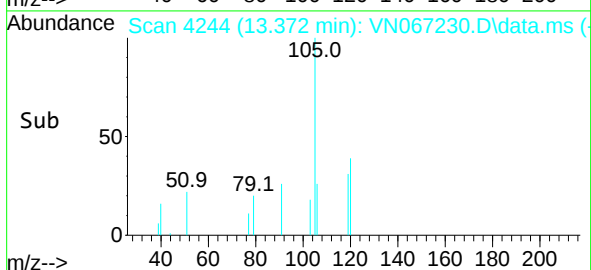
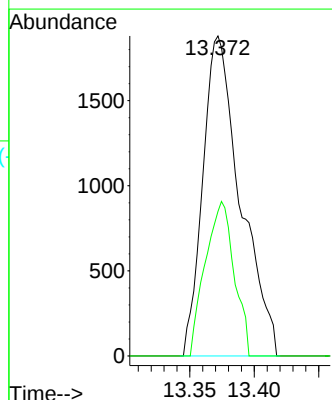
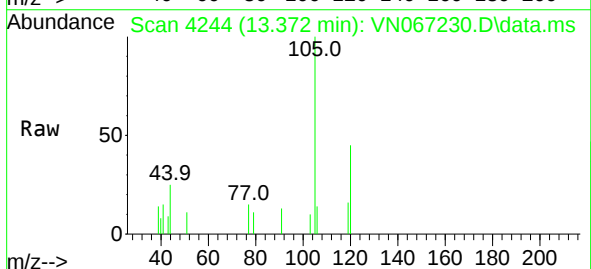
Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)

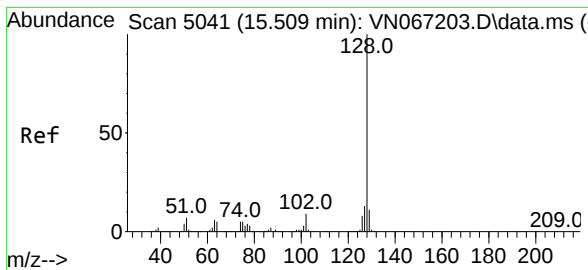
Tgt Ion: 75 Resp: 89420
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.368 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

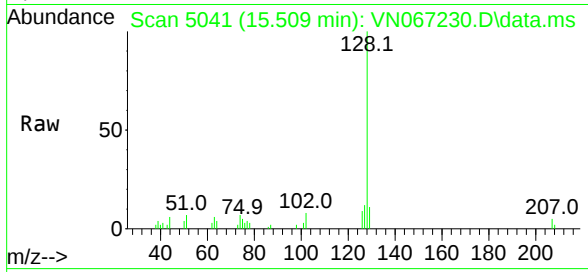
Tgt Ion:105 Resp: 3814
Ion Ratio Lower Upper
105 100
120 37.0 23.8 71.2





#95
Naphthalene
Concen: 7.090 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067230.D
Acq: 5 Jun 2021 15:15

Instrument :
MSVOA_N
ClientSampleId :
18-B10(4-6)



Tgt Ion:	128	Resp:	20575
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	10.6	8.6	13.0

