

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067831.D
 Acq On : 21 Jul 2021 11:58
 Operator : JC/MD
 Sample : VN0721WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 15:09:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

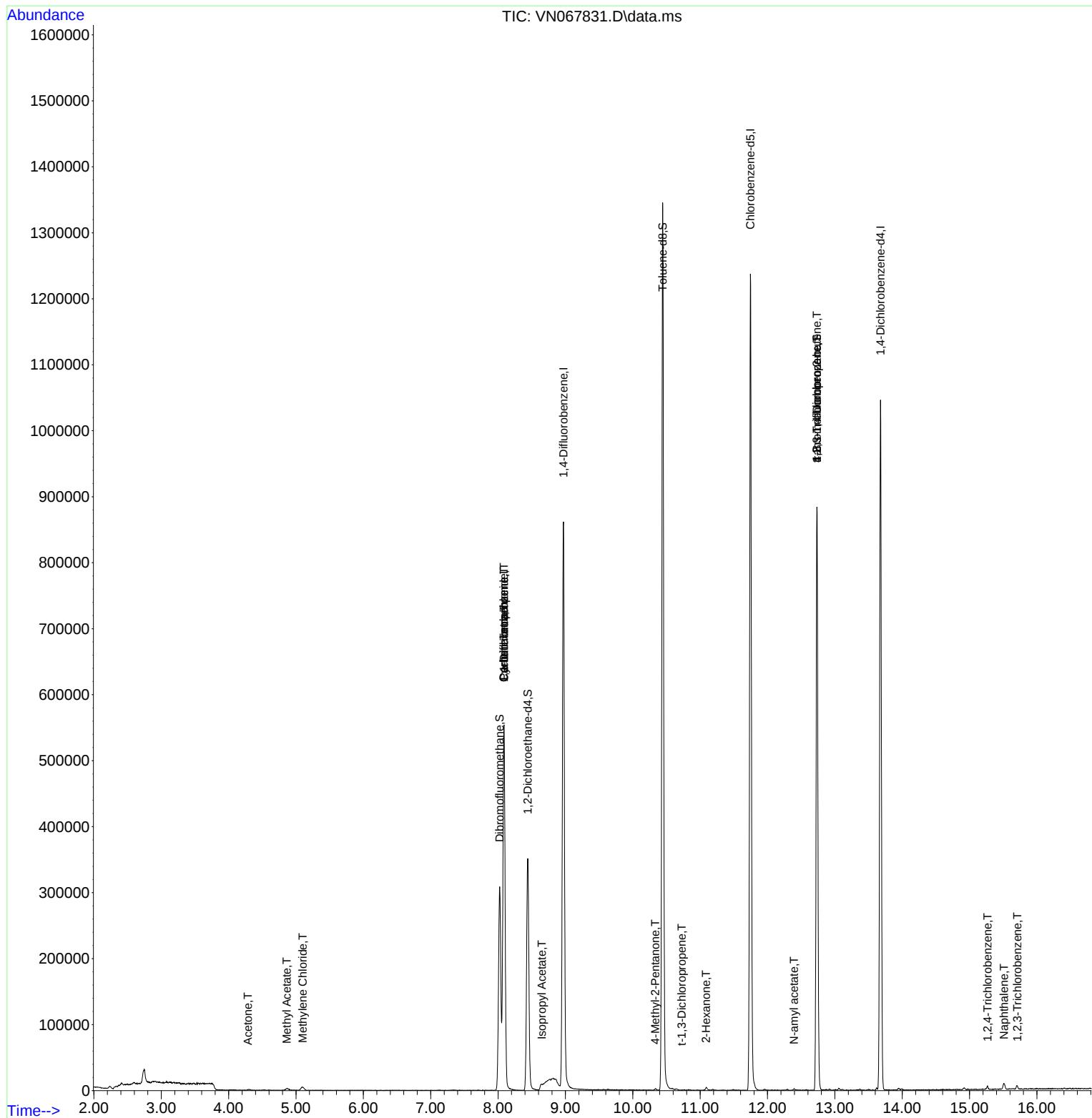
Internal Standards						
1) Pentafluorobenzene	8.088	168	398526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	759977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	714226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	270387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	303813	50.443	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.880%		
35) Dibromofluoromethane	8.024	113	223520	48.680	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 97.360%		
50) Toluene-d8	10.443	98	932966	48.543	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 97.080%		
62) 4-Bromofluorobenzene	12.733	95	312946	46.094	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 92.180%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	146	Below Cal	#	4
6) Chloroethane	3.060	64	28	Below Cal	#	44
7) Trichlorofluoromethane	3.381	101	89	Below Cal	#	59
13) Acrolein	4.044	56	237	Below Cal		94
16) Acetone	4.285	43	613	0.323	ug/l #	48
18) Methyl Acetate	4.865	43	4841	0.909	ug/l #	68
20) Methylene Chloride	5.101	84	4068	0.227	ug/l #	83
31) Cyclohexane	8.086	56	10898	1.290	ug/l #	21
36) 1,1-Dichloropropene	8.086	75	36171	5.124	ug/l #	52
38) Carbon Tetrachloride	8.086	117	44631	6.409	ug/l #	17
43) Isopropyl Acetate	8.649	43	7054	0.586	ug/l #	58
51) 4-Methyl-2-Pentanone	10.336	43	1738	0.235	ug/l #	86
53) t-1,3-Dichloropropene	10.727	75	59	1.751	ug/l #	43
59) 2-Hexanone	11.087	43	2753	0.534	ug/l	91
74) N-amyl acetate	12.393	43	1735	0.219	ug/l #	75
76) 1,2,3-Trichloropropane	12.733	75	175910	31.857	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	175910	102.712	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	1706	3.033	ug/l	89
95) Naphthalene	15.509	128	8974	3.649	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.708	180	2036	3.079	ug/l	93

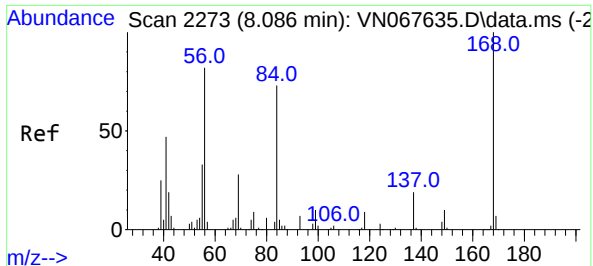
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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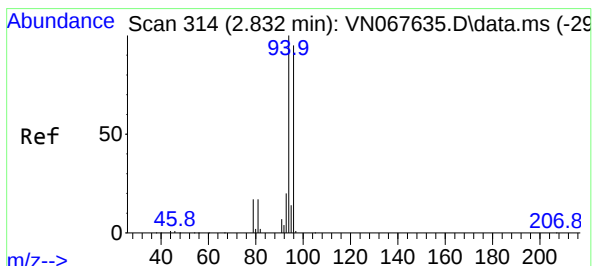
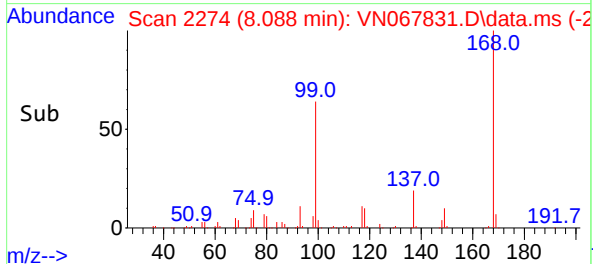
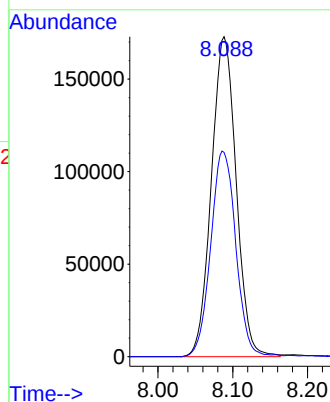
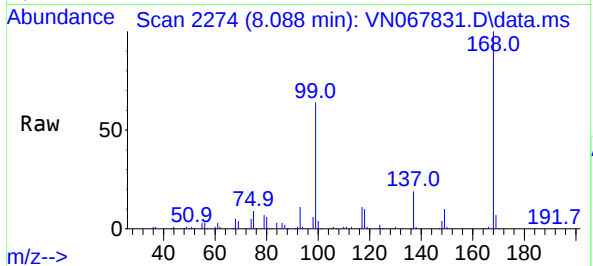




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

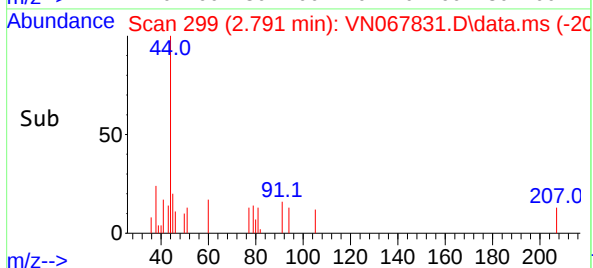
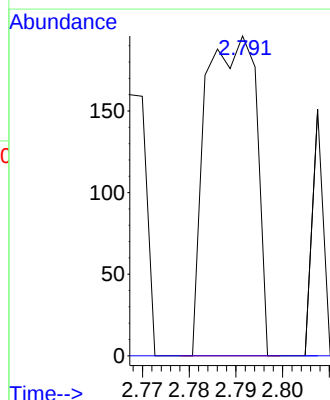
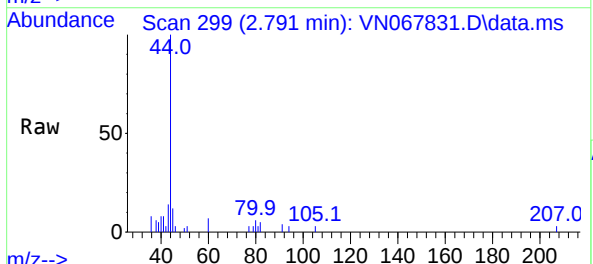
Instrument :
MSVOA_N
ClientSampleId :

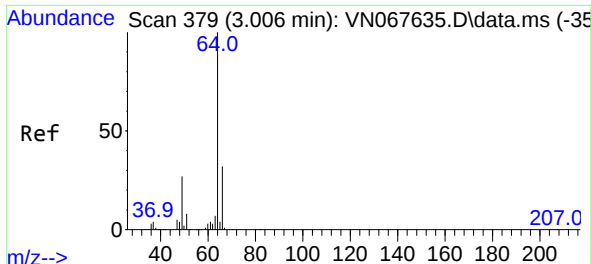
Tgt Ion:168 Resp: 398526
Ion Ratio Lower Upper
168 100
99 63.9 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 299
Delta R.T. -0.041 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

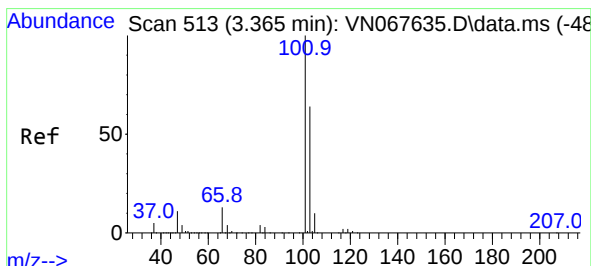
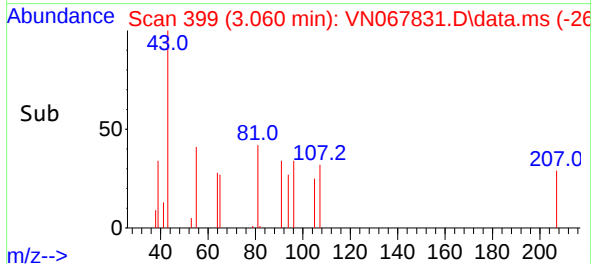
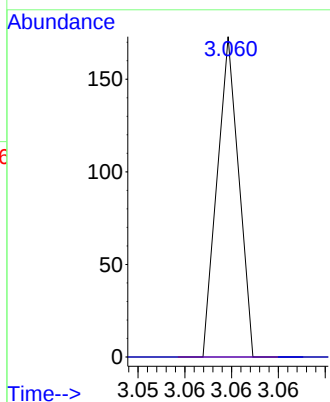
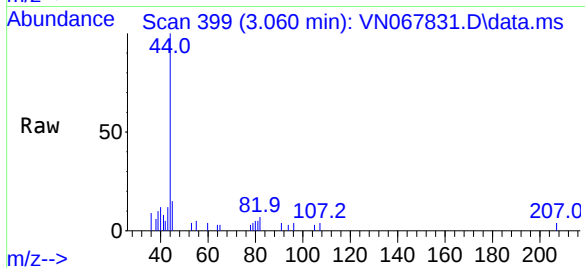




#6
Chloroethane
Concen: Below Cal
RT: 3.060 min Scan# 399
Delta R.T. 0.054 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

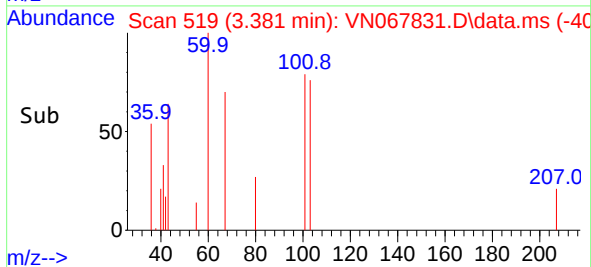
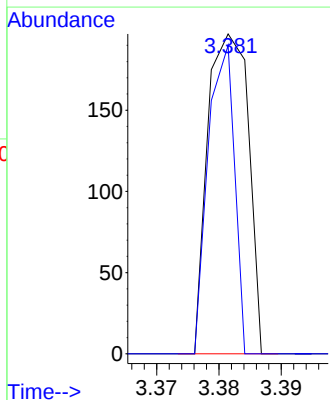
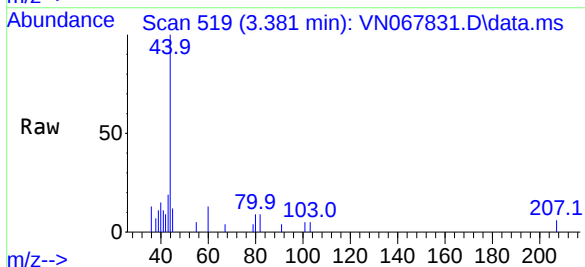
Instrument :
MSVOA_N
ClientSampleId :

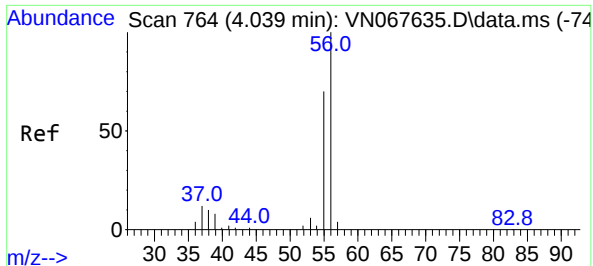
Tgt Ion: 64 Resp: 28
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.381 min Scan# 519
Delta R.T. 0.016 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 101 Resp: 89
Ion Ratio Lower Upper
101 100
103 96.4 51.2 76.8#

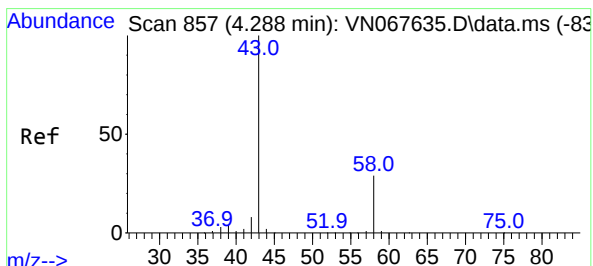
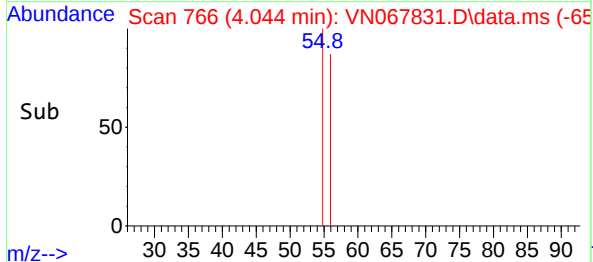
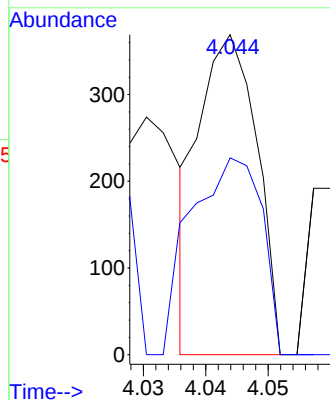
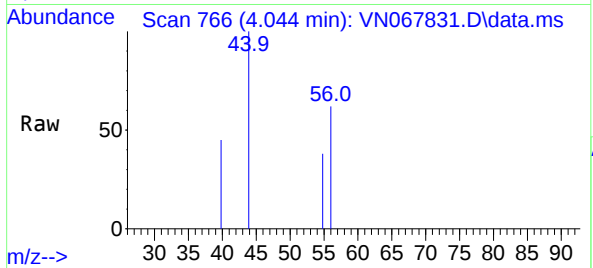




#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

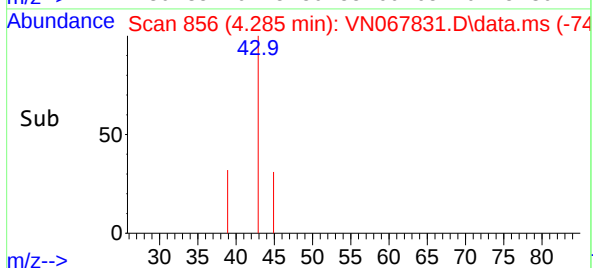
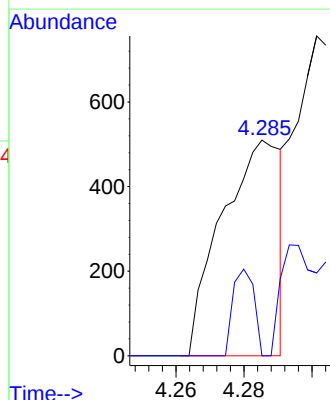
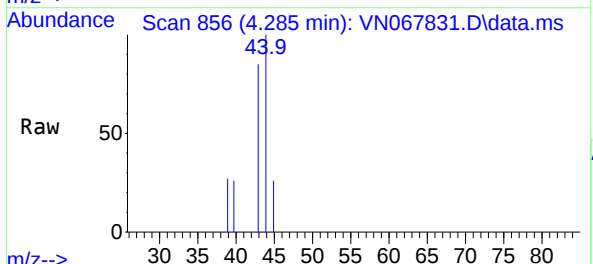
Instrument :
MSVOA_N
ClientSampled :

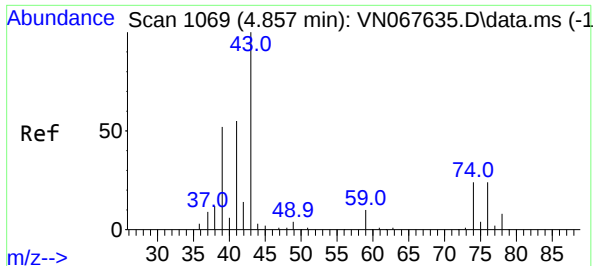
Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 76.4 57.4 86.0



#16
Acetone
Concen: 0.323 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.003 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

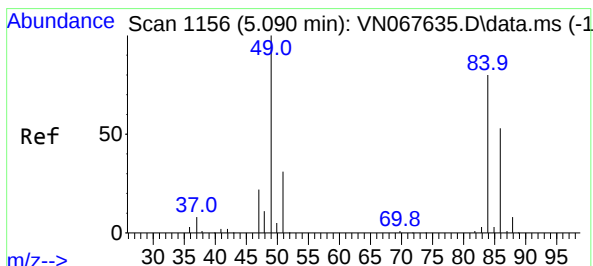
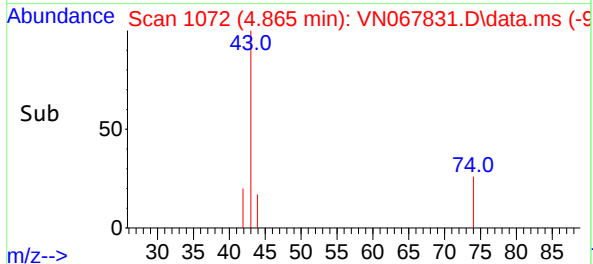
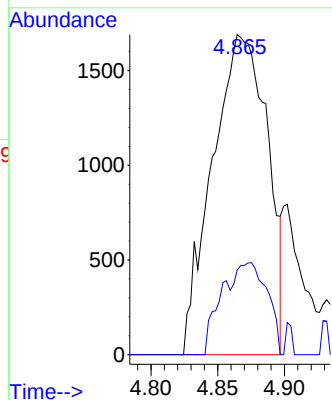
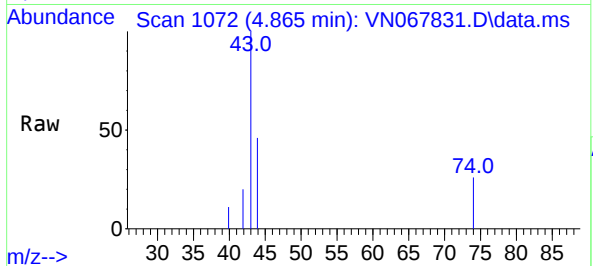




#18
Methyl Acetate
Concen: 0.909 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

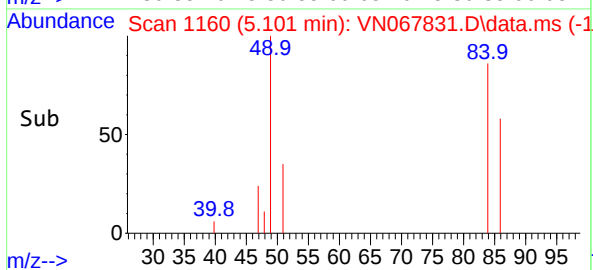
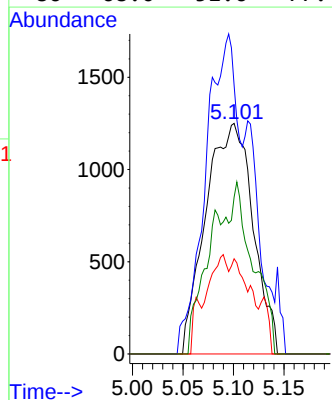
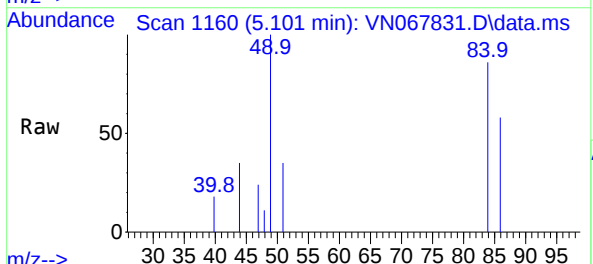
Instrument :
MSVOA_N
ClientSampled :

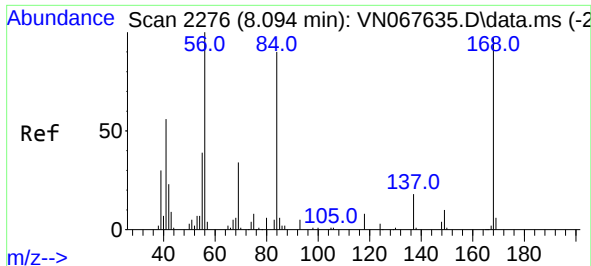
Tgt Ion: 43 Resp: 4841
Ion Ratio Lower Upper
43 100
74 6.8 17.4 26.0#



#20
Methylene Chloride
Concen: 0.227 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.011 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 84 Resp: 4068
Ion Ratio Lower Upper
84 100
49 104.5 110.9 166.3#
51 41.3 32.6 49.0
86 68.0 51.6 77.4

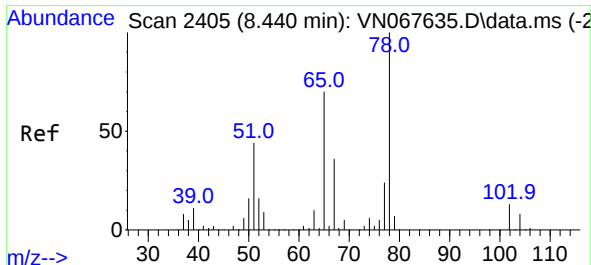
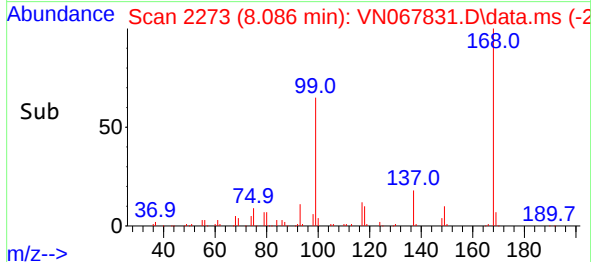
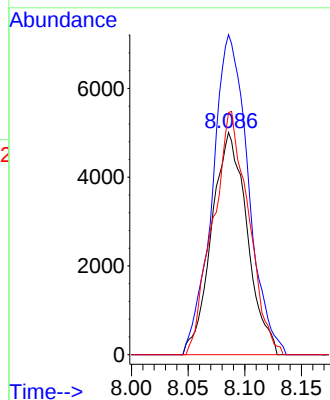
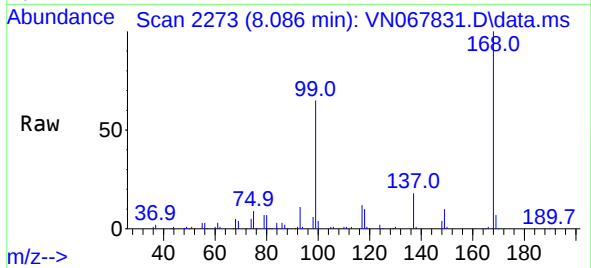




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

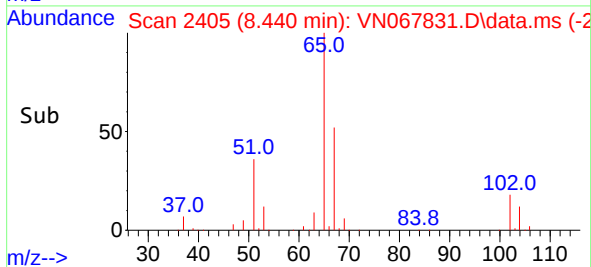
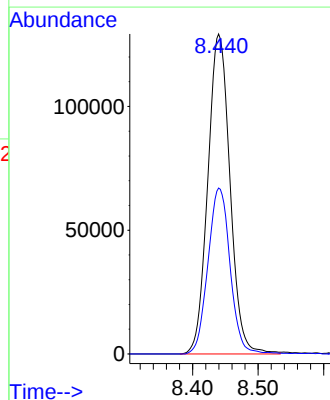
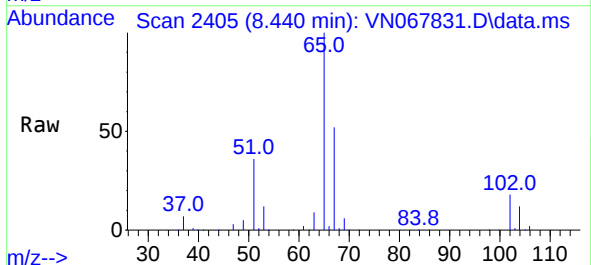
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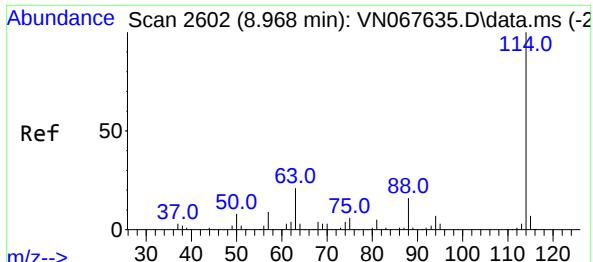
Tgt Ion: 56 Resp: 10898
Ion Ratio Lower Upper
56 100
69 144.0 27.3 40.9#
84 108.9 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 50.443 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 65 Resp: 303813
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

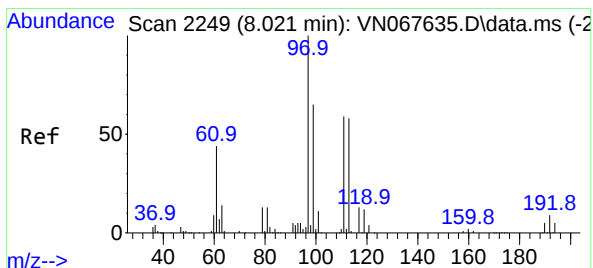
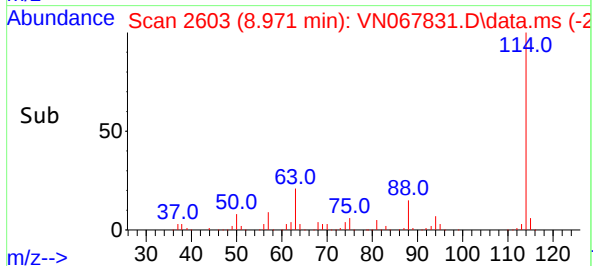
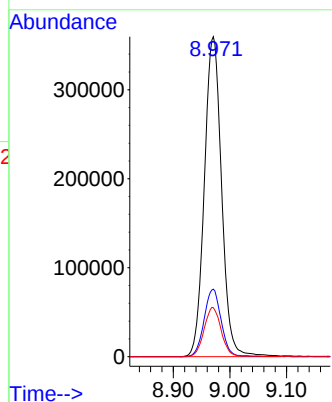
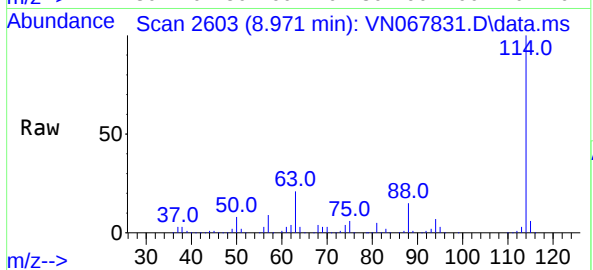




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

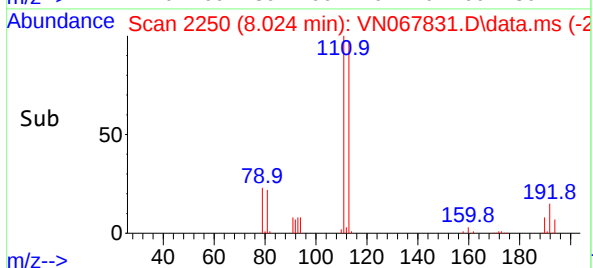
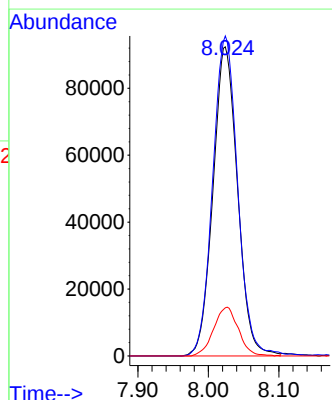
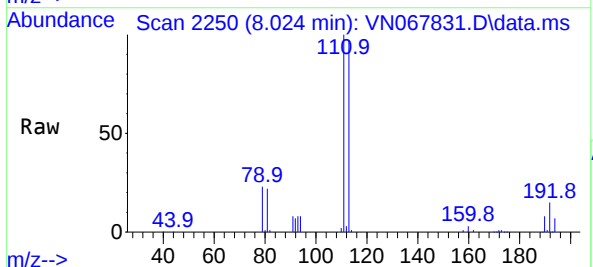
Instrument :
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ClientSampleId :

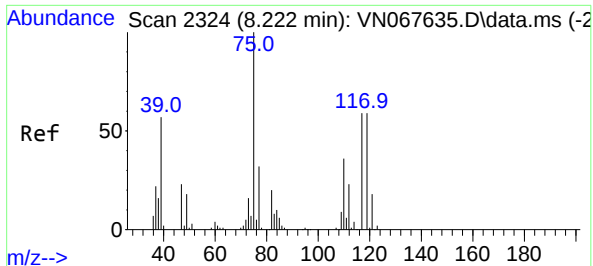
Tgt Ion:114 Resp: 759977
Ion Ratio Lower Upper
114 100
63 21.1 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.680 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion:113 Resp: 223520
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.8
192 15.9 13.4 20.0

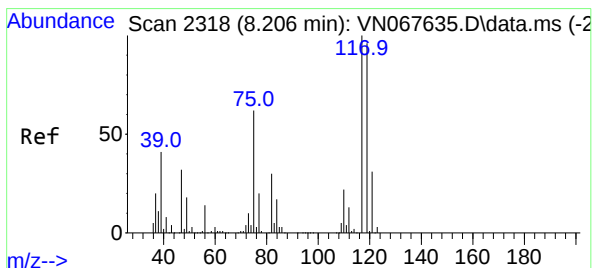
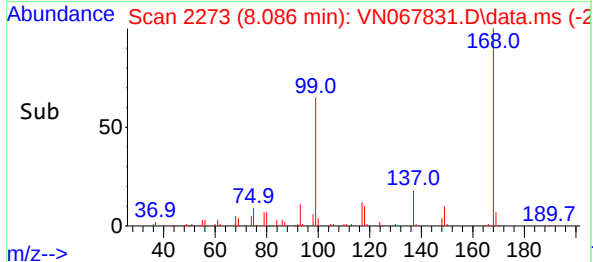
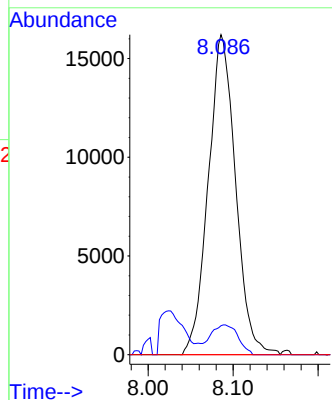
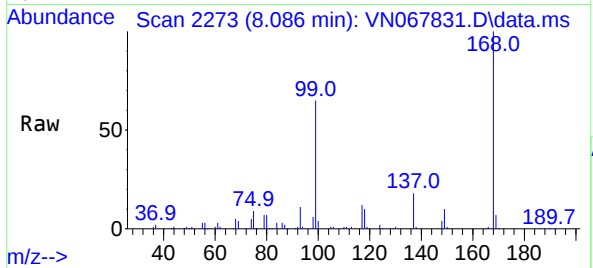




#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

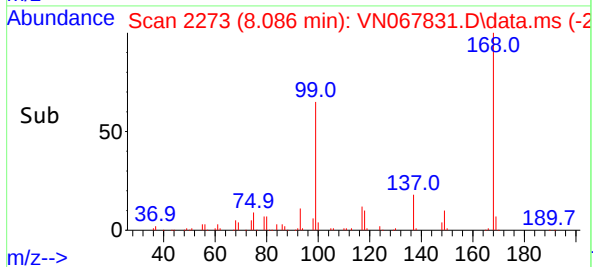
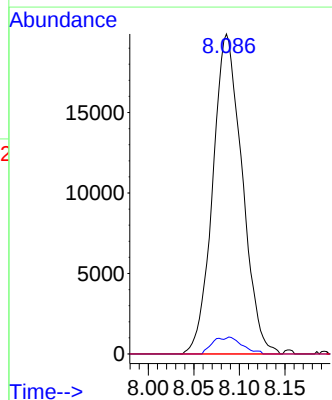
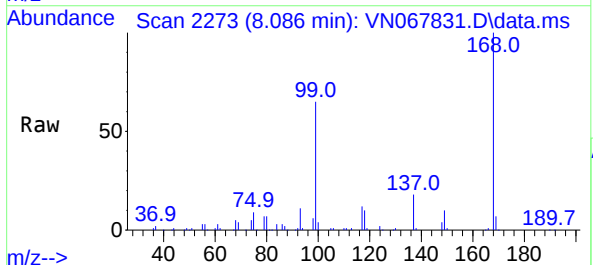
Instrument :
MSVOA_N
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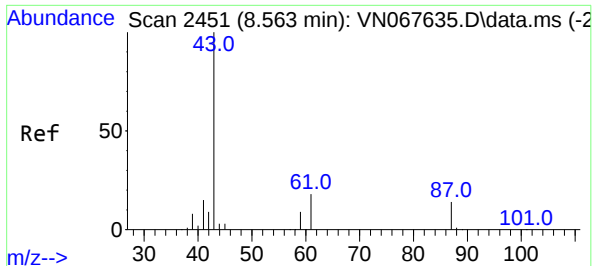
Tgt Ion: 75 Resp: 36171
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 117 Resp: 44631
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

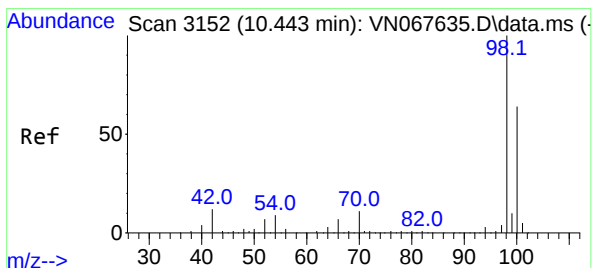
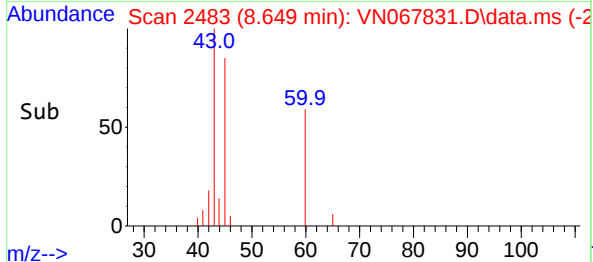
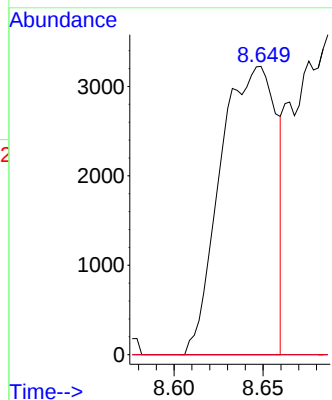
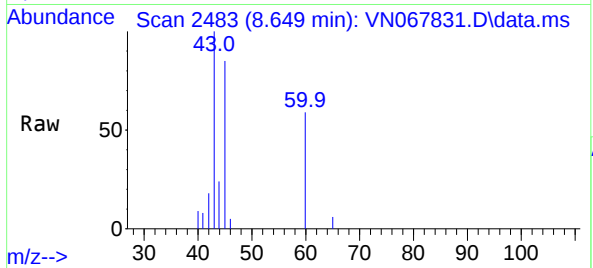




#43
Isopropyl Acetate
Concen: 0.586 ug/l
RT: 8.649 min Scan# 2483
Delta R.T. 0.086 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

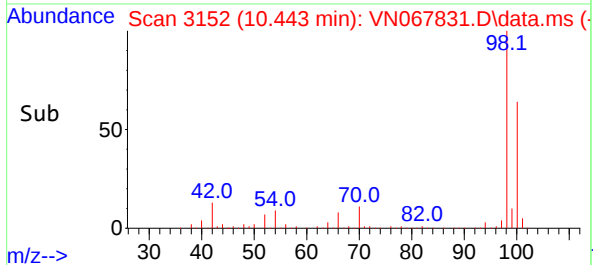
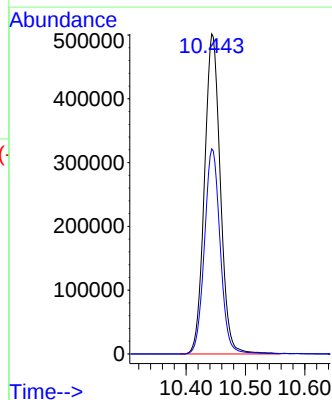
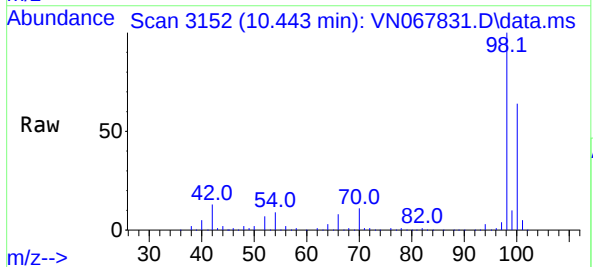
Instrument :
MSVOA_N
ClientSampled :

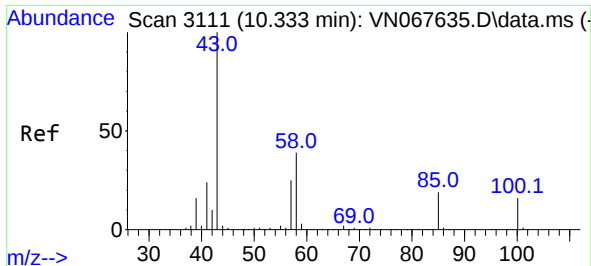
Tgt Ion: 43 Resp: 7054
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 48.543 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 98 Resp: 932966
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

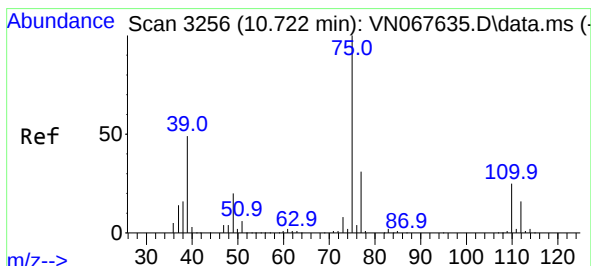
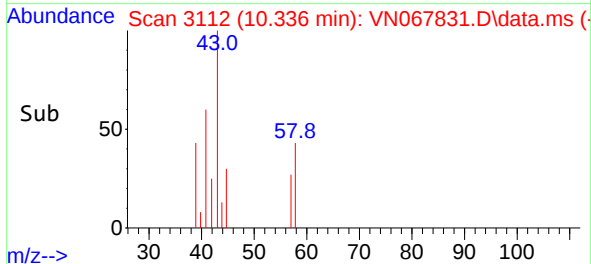
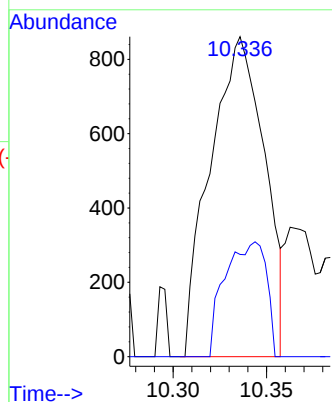
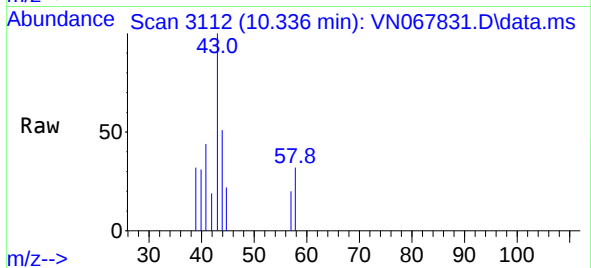




#51
4-Methyl-2-Pentanone
Concen: 0.235 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

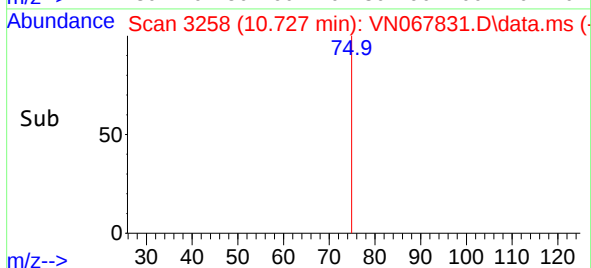
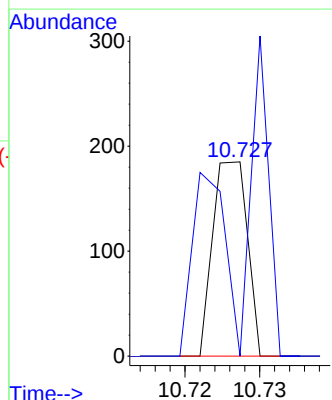
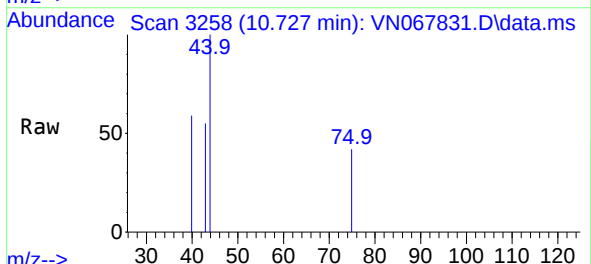
Instrument :
MSVOA_N
ClientSampled :

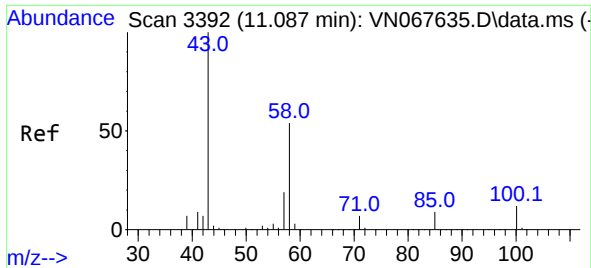
Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
58 27.4 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.751 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.005 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

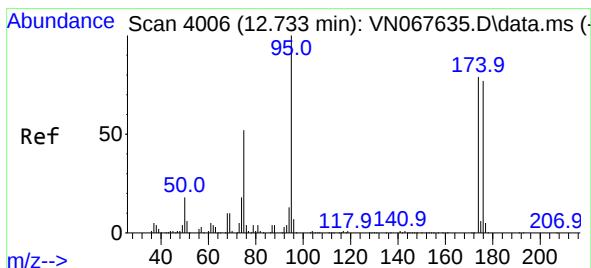
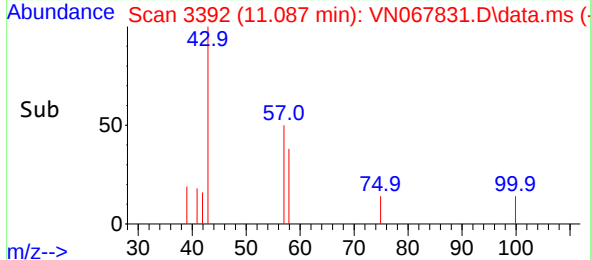
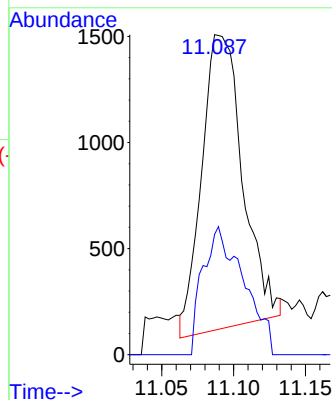
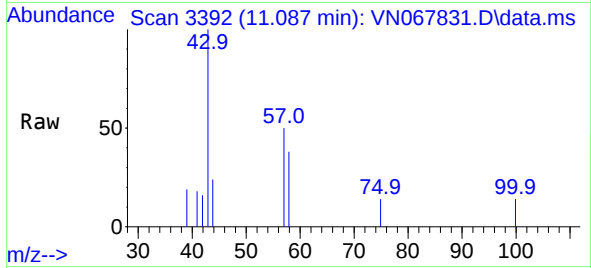




#59
2-Hexanone
Concen: 0.534 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

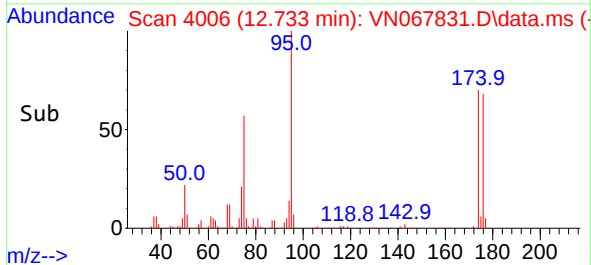
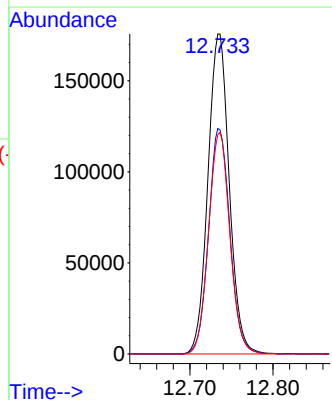
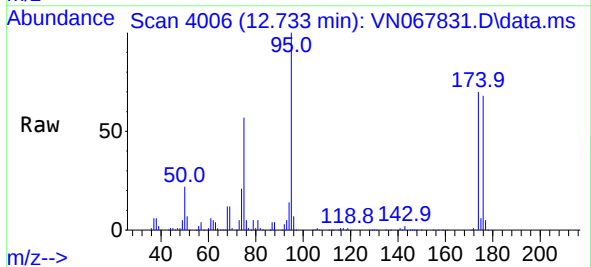
Instrument :
MSVOA_N
ClientSampled :

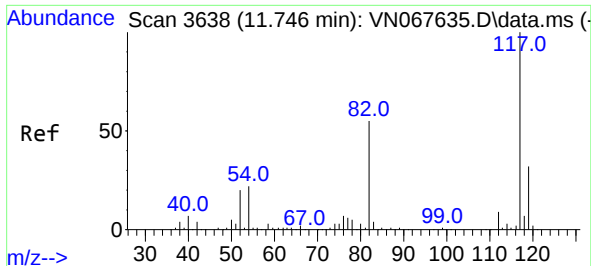
Tgt Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
58 43.3 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 46.094 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 95 Resp: 312946
Ion Ratio Lower Upper
95 100
174 70.6 0.0 122.0
176 69.1 0.0 117.6

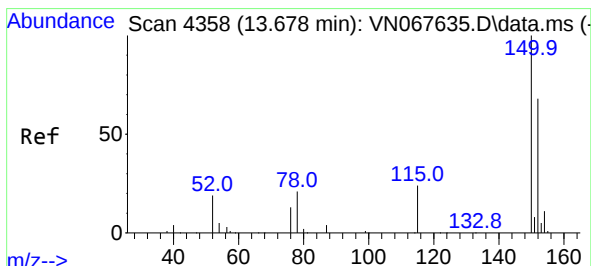
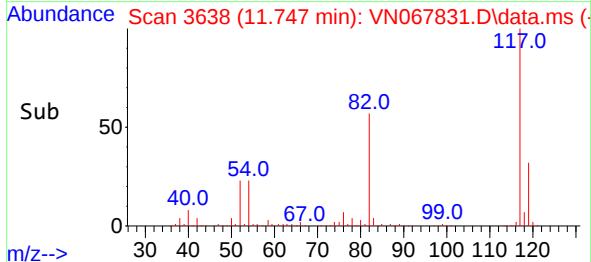
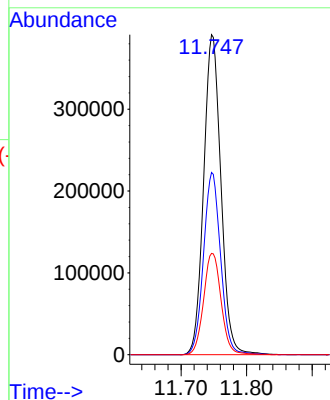
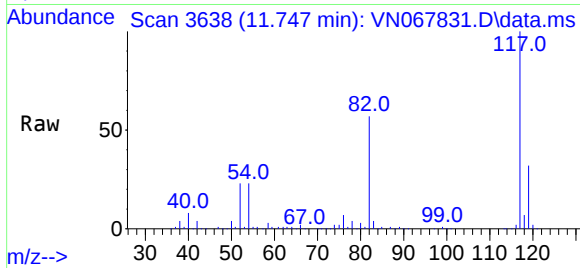




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

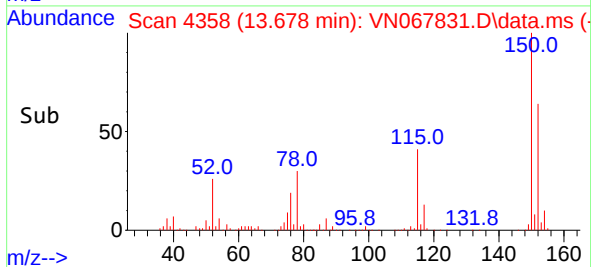
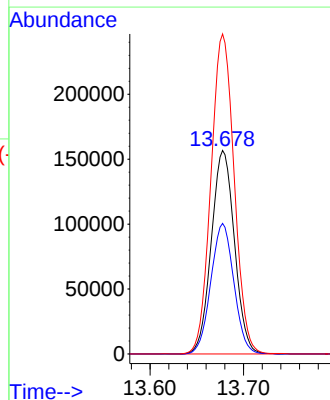
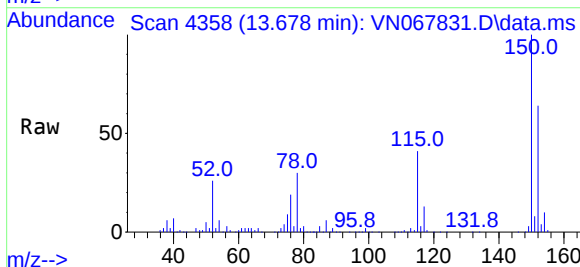
Instrument :
MSVOA_N
ClientSampleId :

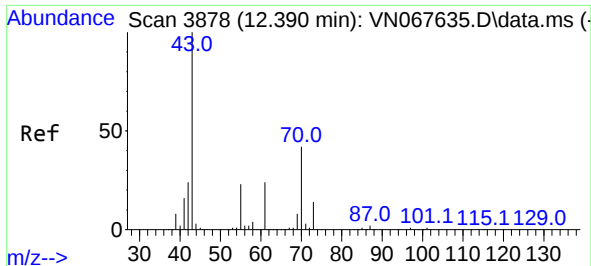
Tgt Ion:117 Resp: 714226
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion:152 Resp: 270387
Ion Ratio Lower Upper
152 100
115 63.7 36.1 108.5
150 157.6 0.0 351.8

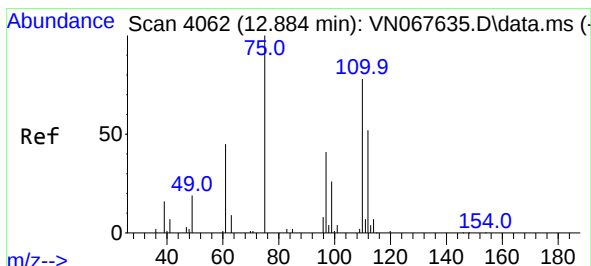
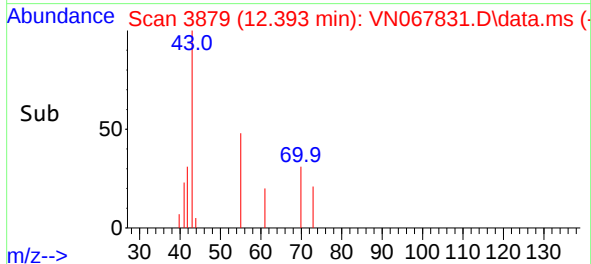
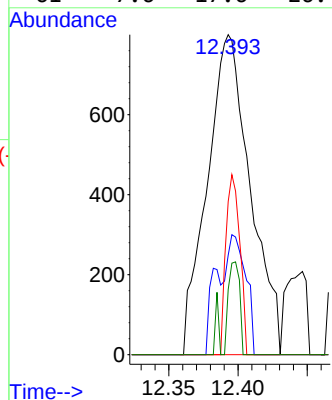
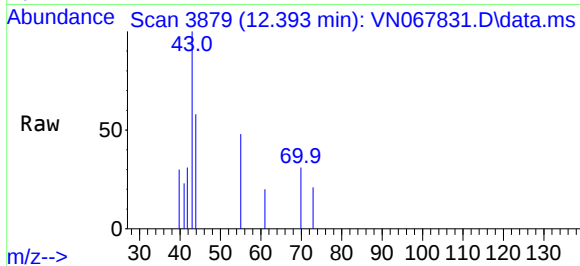




#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

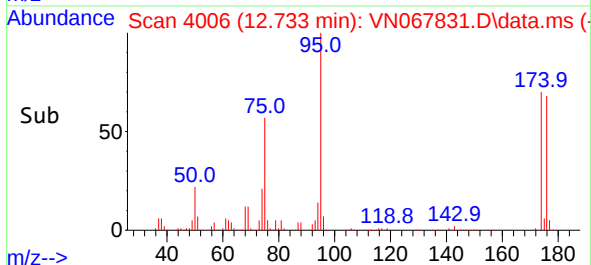
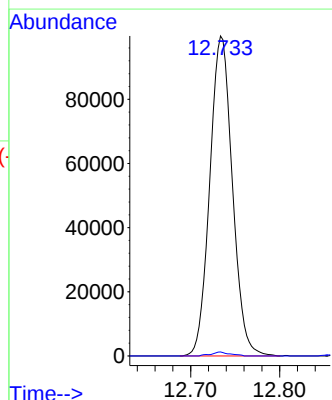
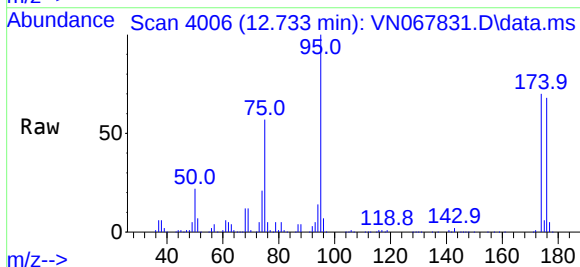
Instrument :
MSVOA_N
ClientSampleId :

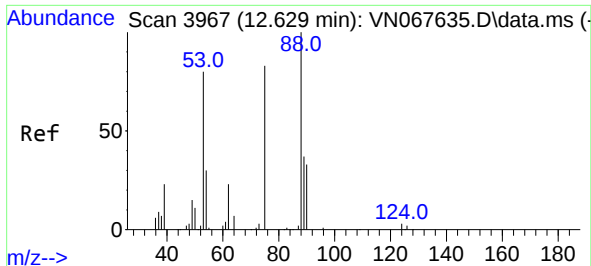
Tgt Ion: 43	Resp: 1735
Ion Ratio	Lower Upper
43 100	
70 17.3	29.4 44.2#
55 18.1	17.0 25.4
61 7.6	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 31.857 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion: 75	Resp: 175910
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#

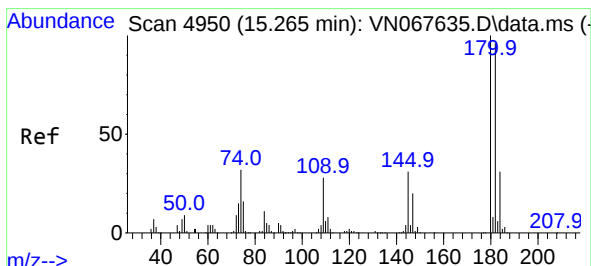
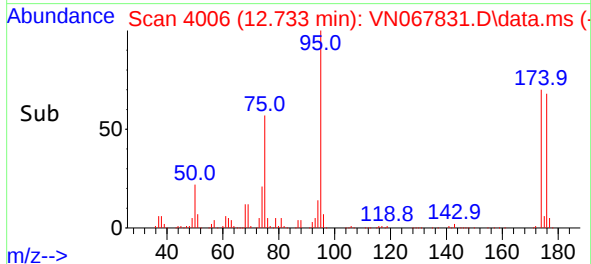
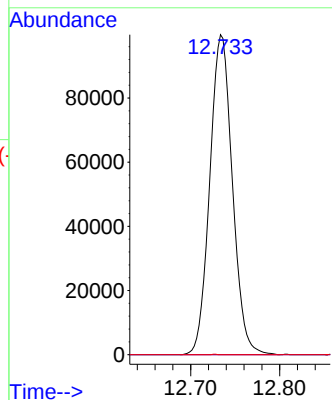
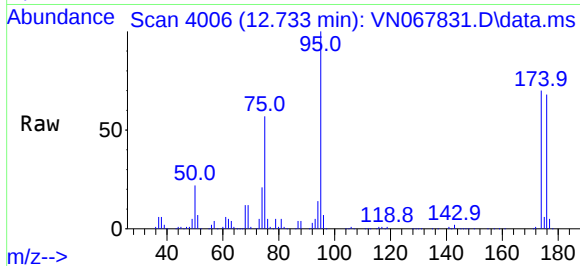




#81
trans-1,4-Dichloro-2-butene
Concen: 102.712 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

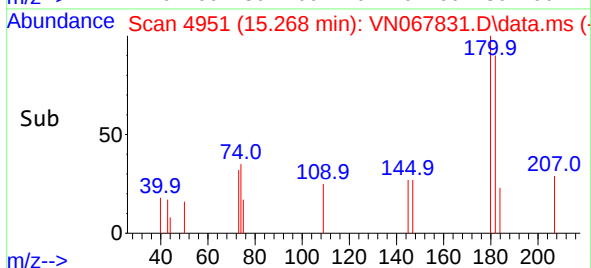
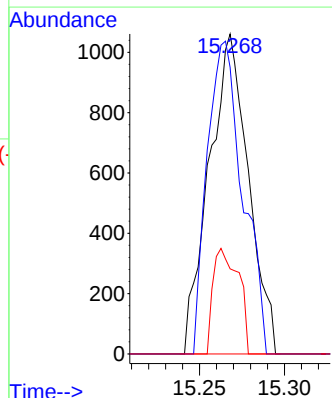
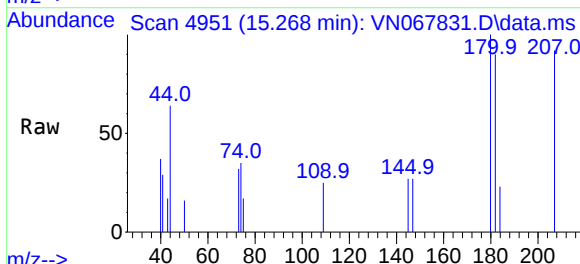
Instrument :
MSVOA_N
ClientSampled :

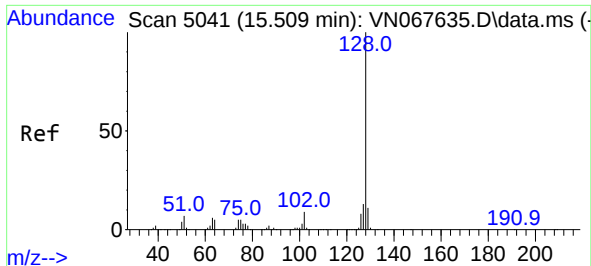
Tgt Ion: 75 Resp: 175910
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 3.033 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion:180 Resp: 1706
Ion Ratio Lower Upper
180 100
182 88.2 47.5 142.5
145 21.3 17.2 51.6

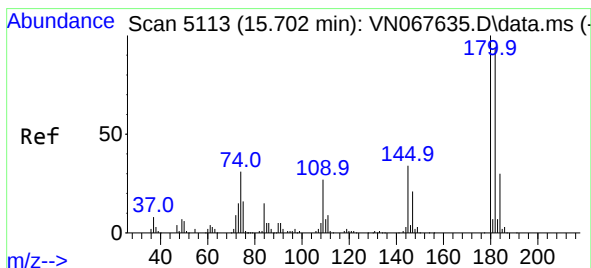
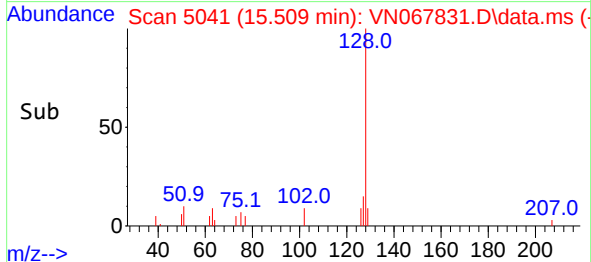
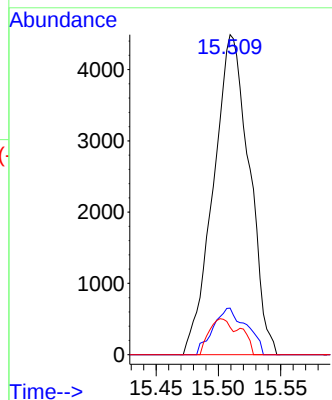
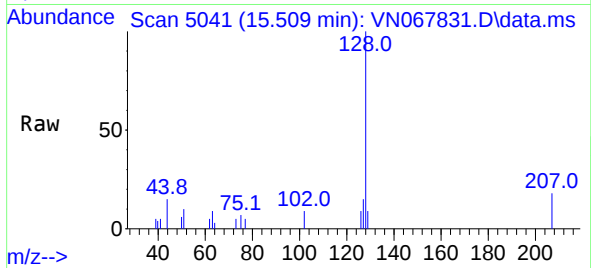




#95
Naphthalene
Concen: 3.649 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	8974
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	6.9	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.079 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067831.D
Acq: 21 Jul 2021 11:58

Tgt Ion:	180	Resp:	2036
Ion	Ratio	Lower	Upper
180	100		
182	88.4	47.8	143.3
145	40.6	18.2	54.6

