

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066832.D
 Acq On : 29 Apr 2021 00:05
 Operator : JC/MD
 Sample : M2137-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 04:33:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

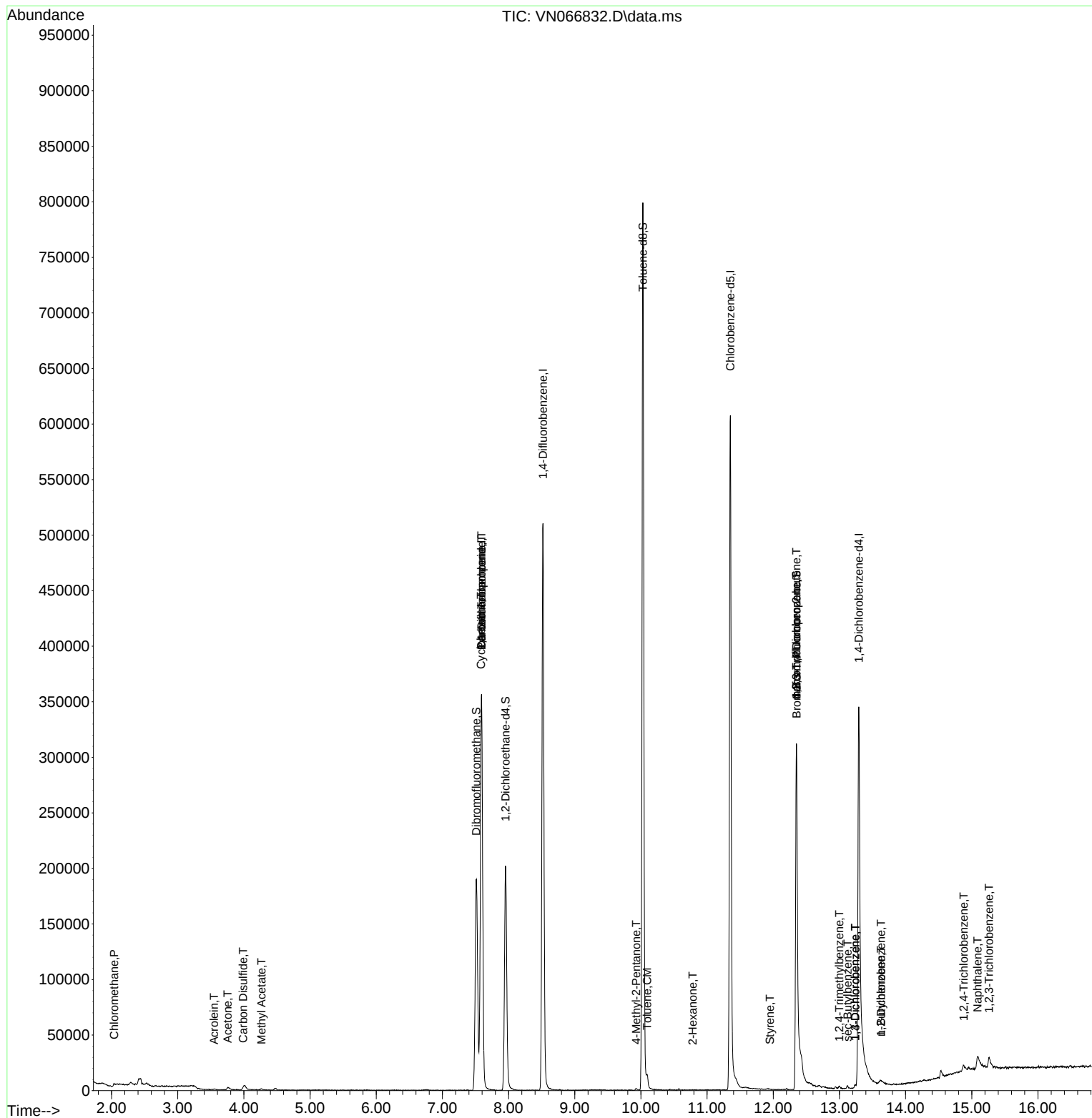
Internal Standards						
1) Pentafluorobenzene	7.591	168	323296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	484510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	413882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.293	152	158067	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	174998	42.13	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.26%		
35) Dibromofluoromethane	7.511	113	155355	51.94	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.88%		
50) Toluene-d8	10.029	98	581655	49.55	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.10%		
62) 4-Bromofluorobenzene	12.349	95	163055	41.05	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	82.10%		
Target Compounds						Qvalue
3) Chloromethane	2.039	50	1266	0.28	ug/l	99
13) Acrolein	3.547	56	388	0.73	ug/l #	46
16) Acetone	3.756	43	2096	1.34	ug/l	97
17) Carbon Disulfide	3.986	76	2336	0.24	ug/l #	74
18) Methyl Acetate	4.265	43	2565	1.71	ug/l #	70
31) Cyclohexane	7.586	56	5190	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21129	4.69	ug/l #	48
38) Carbon Tetrachloride	7.591	117	27247	6.31	ug/l #	18
51) 4-Methyl-2-Pentanone	9.930	43	1713	0.41	ug/l #	78
52) Toluene	10.096	92	4126	0.49	ug/l	99
59) 2-Hexanone	10.783	43	24	19.55	ug/l #	23
70) Styrene	11.949	104	365	3.08	ug/l #	36
71) Bromoform	12.354	173	836	0.37	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	72154	21.66	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	72154	59.02	ug/l #	12
84) 1,2,4-Trimethylbenzene	12.998	105	1942	0.21	ug/l	98
85) sec-Butylbenzene	13.124	105	2332	0.21	ug/l	84
87) 1,3-Dichlorobenzene	13.237	146	1497	0.31	ug/l	93
88) 1,4-Dichlorobenzene	13.237	146	1497	0.29	ug/l	94
89) n-Butylbenzene	13.628	91	2447	0.31	ug/l #	39
91) 1,2-Dichlorobenzene	13.628	146	1336	0.27	ug/l #	68
93) 1,2,4-Trichlorobenzene	14.878	180	3843	1.41	ug/l #	69
95) Naphthalene	15.087	128	20282	2.89	ug/l	97
96) 1,2,3-Trichlorobenzene	15.261	180	6479	2.46	ug/l	84

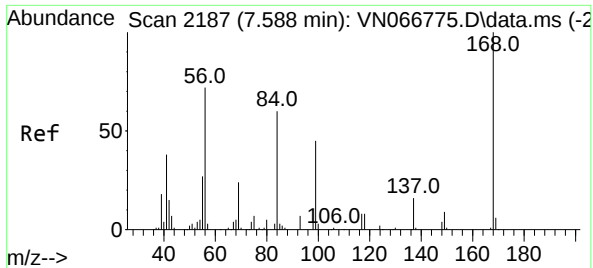
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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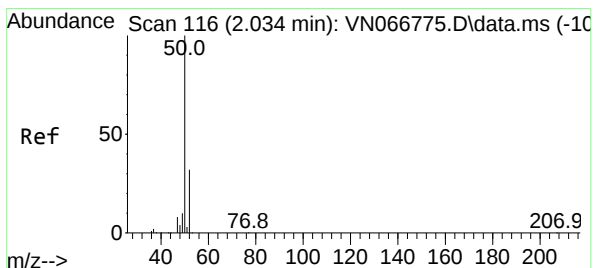
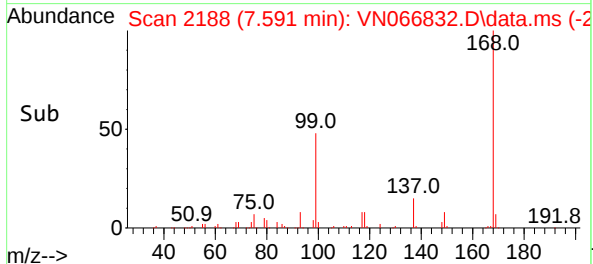
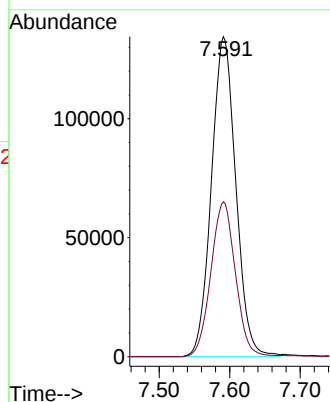
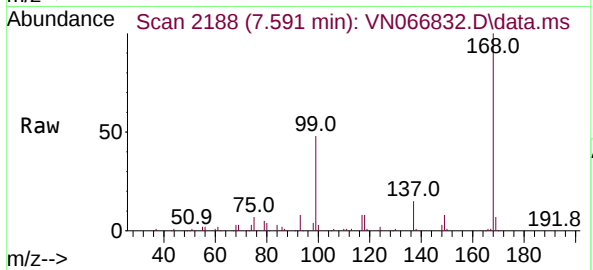




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

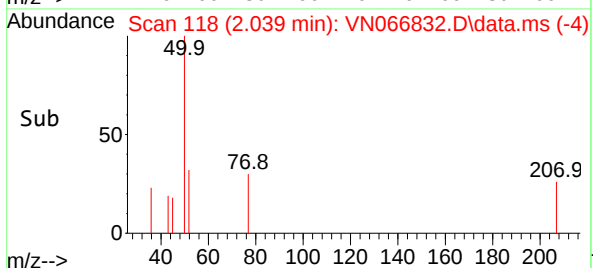
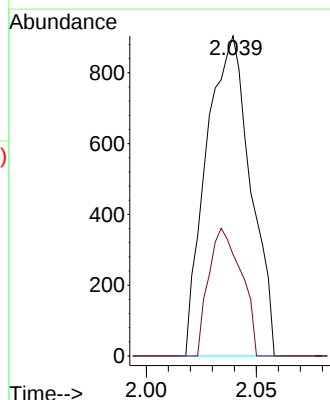
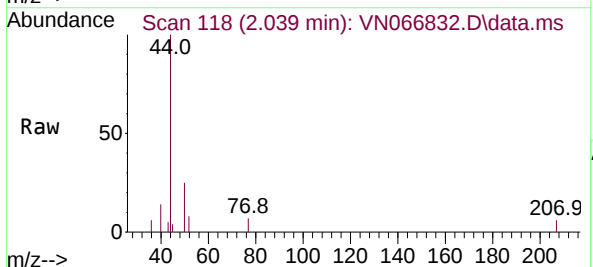
Instrument :
MSVOA_N
ClientSampled :

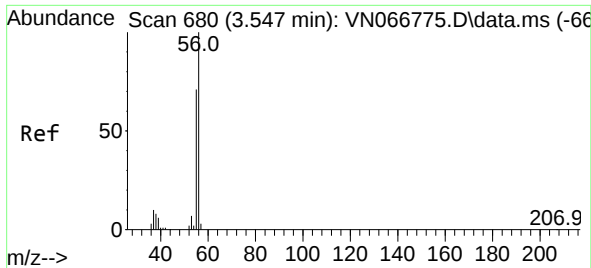
Tgt Ion:168 Resp: 323296
Ion Ratio Lower Upper
168 100
99 48.4 42.6 63.8



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.039 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

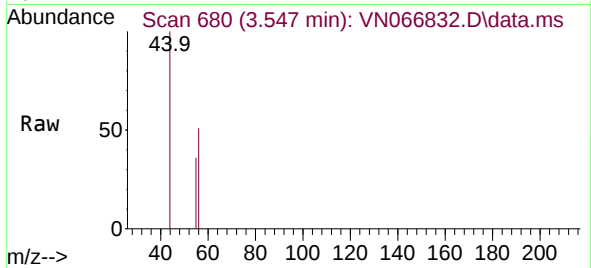
Tgt Ion: 50 Resp: 1266
Ion Ratio Lower Upper
50 100
52 31.7 25.8 38.8



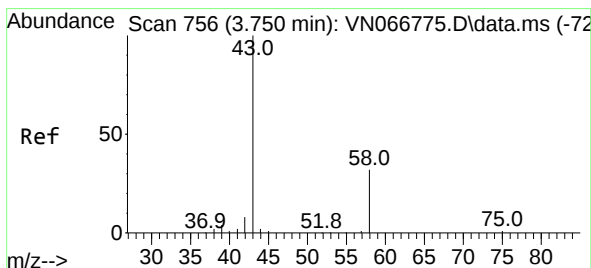
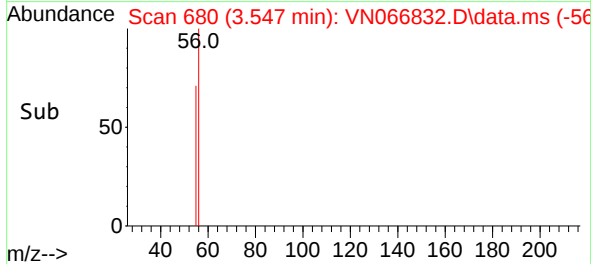
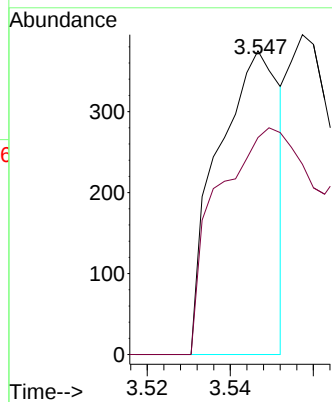


#13
Acrolein
Concen: 0.73 ug/l
RT: 3.547 min Scan# 680
Delta R.T. -0.000 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Instrument :
MSVOA_N
ClientSampled :

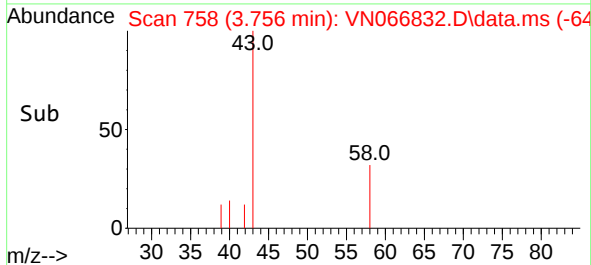
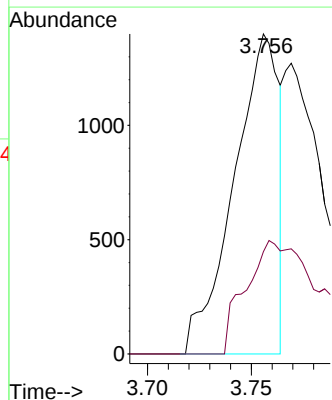
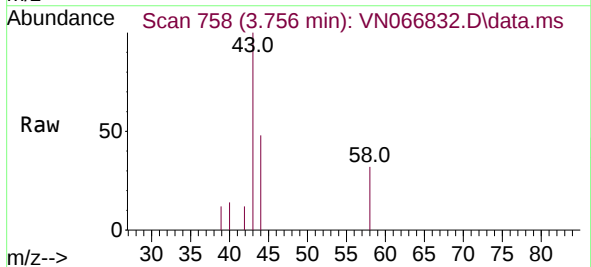


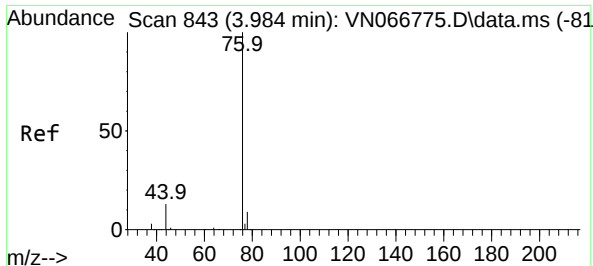
Tgt Ion: 56 Resp: 388
Ion Ratio Lower Upper
56 100
55 114.4 56.0 84.0#



#16
Acetone
Concen: 1.34 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Tgt Ion: 43 Resp: 2096
Ion Ratio Lower Upper
43 100
58 31.9 27.0 40.6

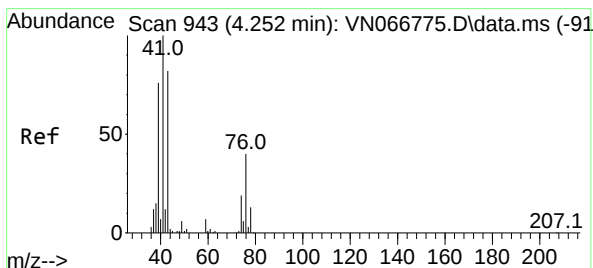
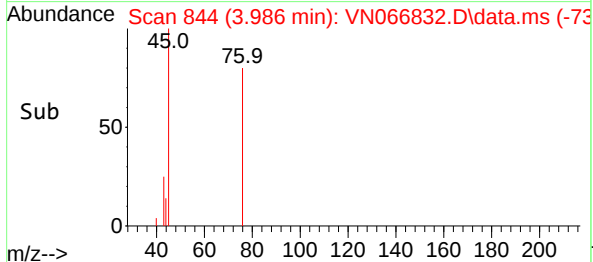
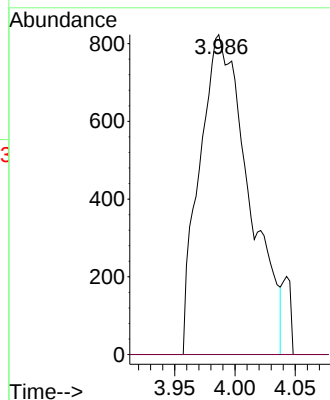
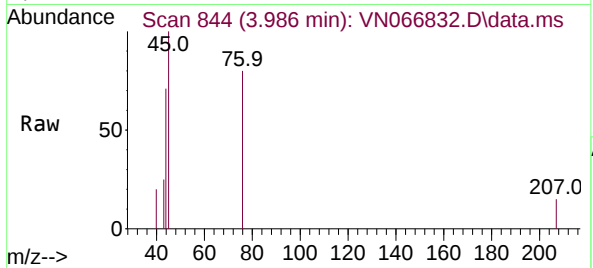




#17
Carbon Disulfide
Concen: 0.24 ug/l
RT: 3.986 min Scan# 844
Delta R.T. 0.002 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

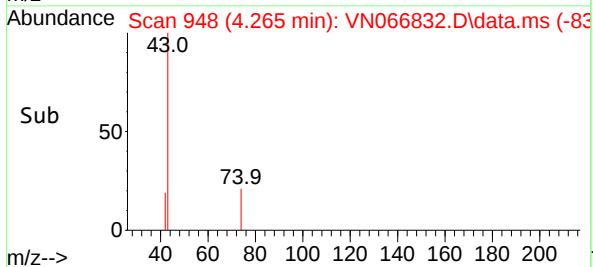
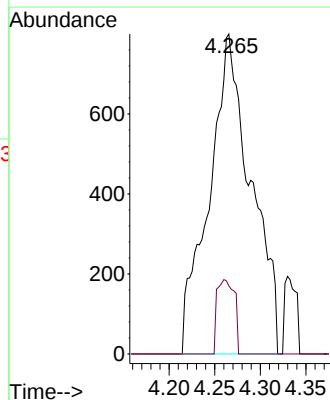
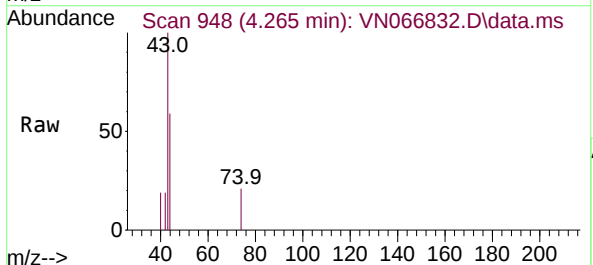
Instrument :
MSVOA_N
ClientSampled :

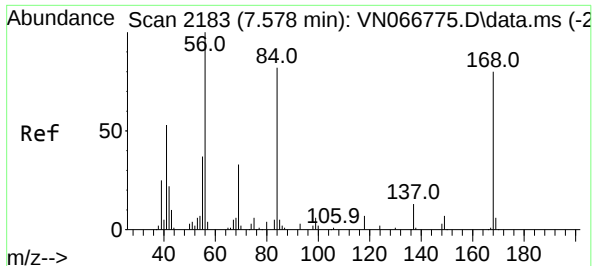
Tgt Ion: 76 Resp: 2336
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: 1.71 ug/l
RT: 4.265 min Scan# 948
Delta R.T. 0.013 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Tgt Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
74 9.5 19.5 29.3#

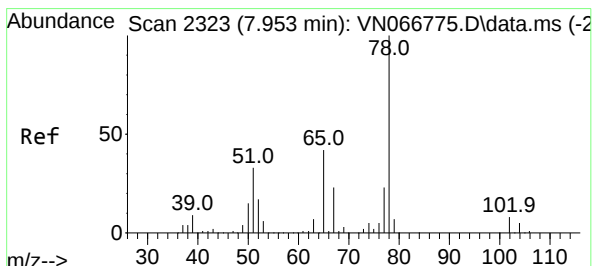
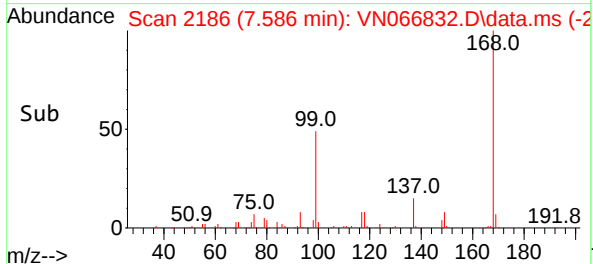
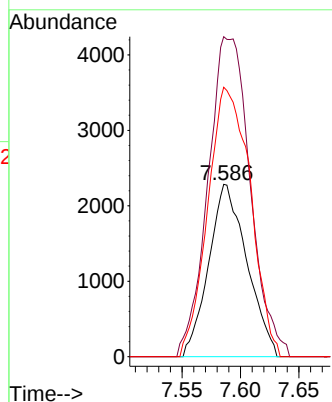
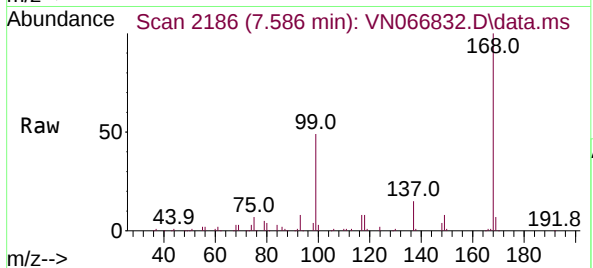




#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.586 min Scan# 2186
Delta R.T. 0.008 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

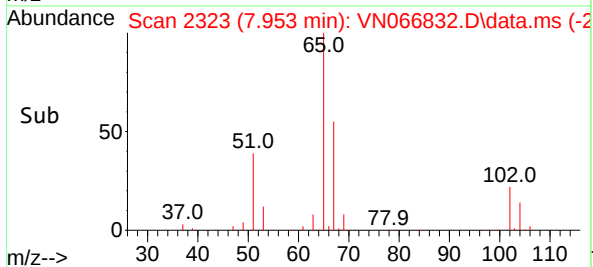
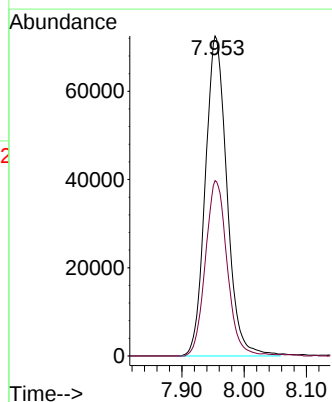
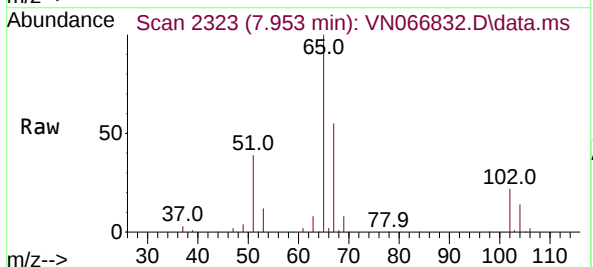
Instrument :
MSVOA_N
ClientSampled :

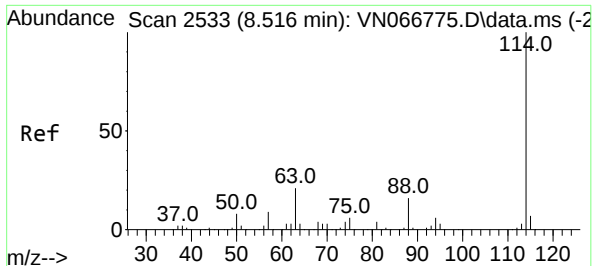
Tgt Ion: 56 Resp: 5190
Ion Ratio Lower Upper
56 100
69 178.1 26.6 39.8#
84 156.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 42.13 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Tgt Ion: 65 Resp: 174998
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.2

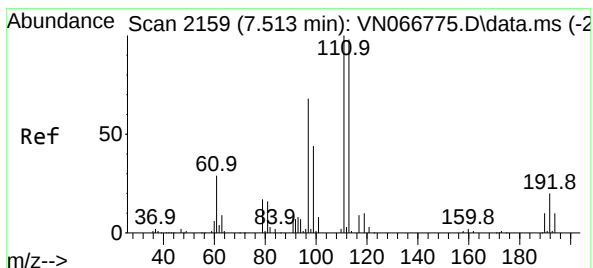
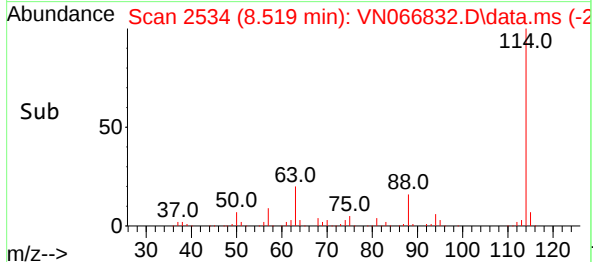
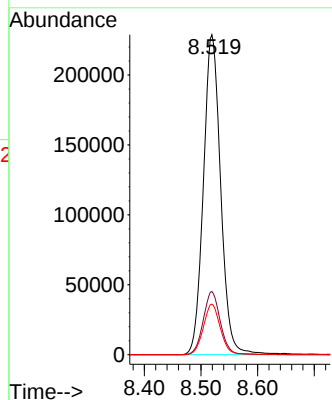
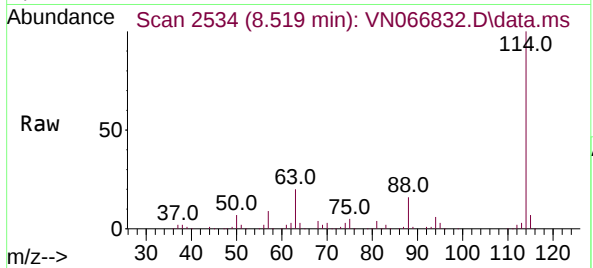




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

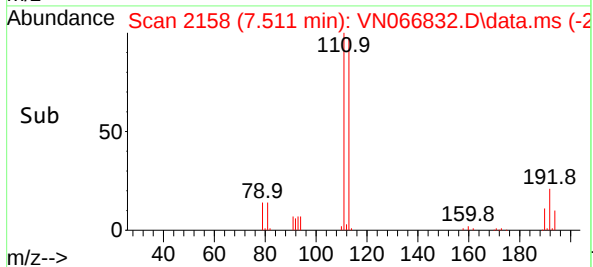
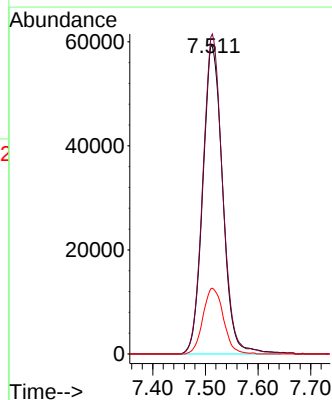
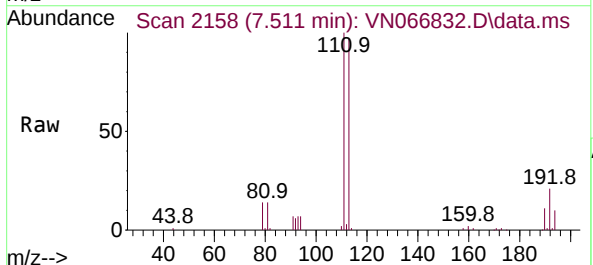
Instrument :
MSVOA_N
ClientSampled :

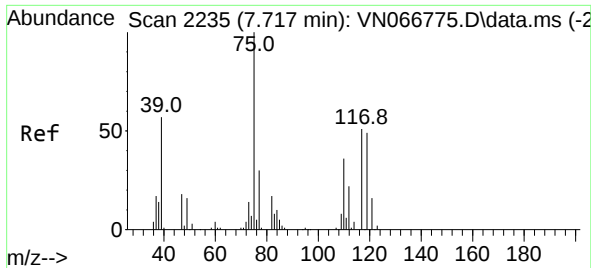
Tgt Ion:114 Resp: 484510
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.6
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.94 ug/l
RT: 7.511 min Scan# 2158
Delta R.T. -0.002 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Tgt Ion:113 Resp: 155355
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 21.9 15.4 23.0

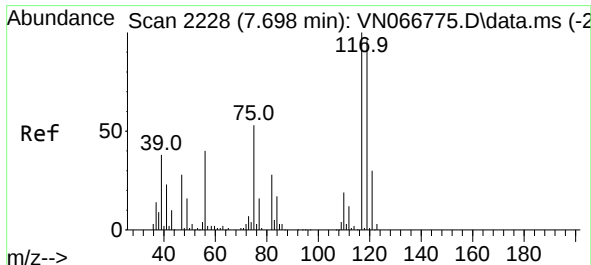
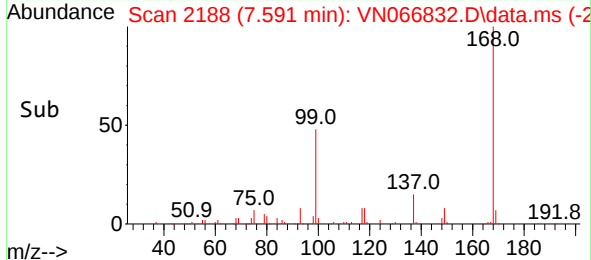
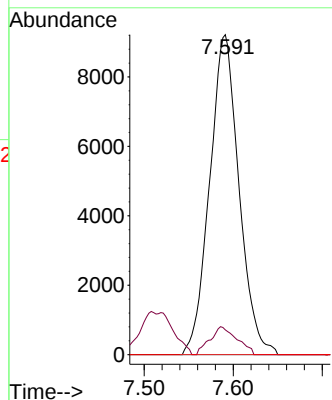
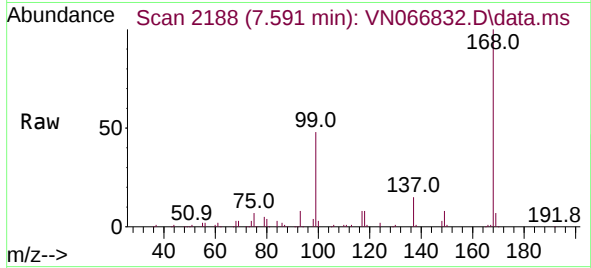




#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

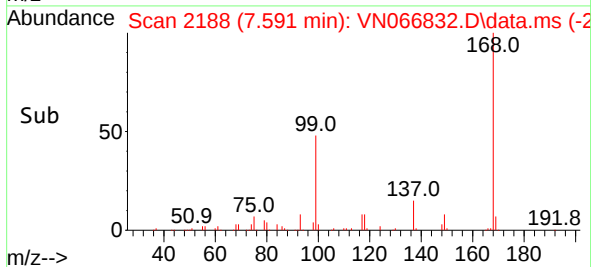
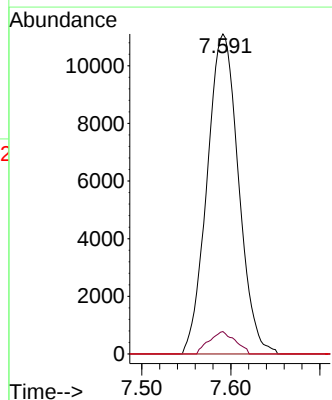
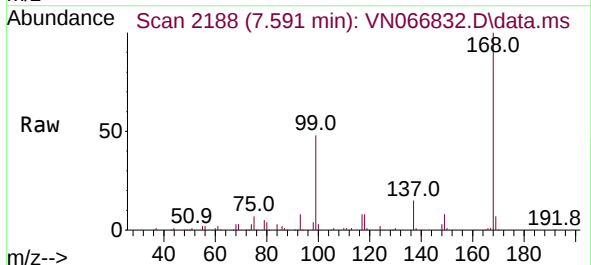
Instrument :
MSVOA_N
ClientSampled :

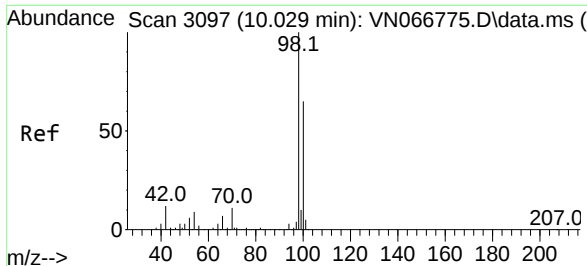
Tgt Ion: 75 Resp: 21129
Ion Ratio Lower Upper
75 100
110 8.0 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.31 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

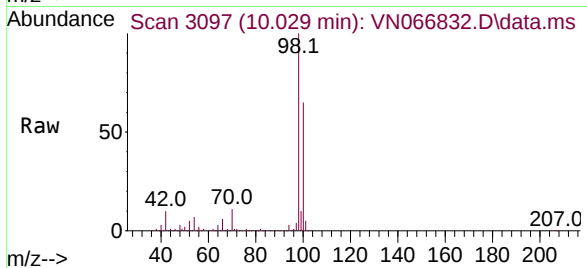
Tgt Ion: 117 Resp: 27247
Ion Ratio Lower Upper
117 100
119 7.0 76.0 114.0#
121 0.0 24.5 36.7#



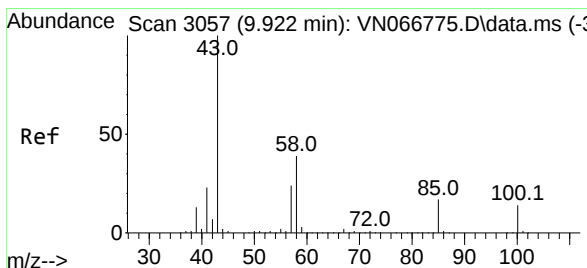
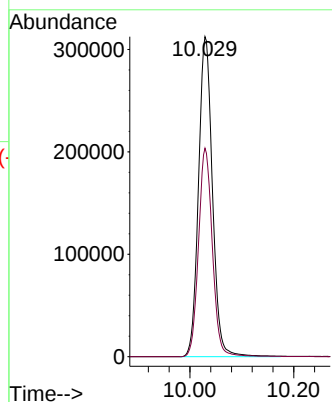
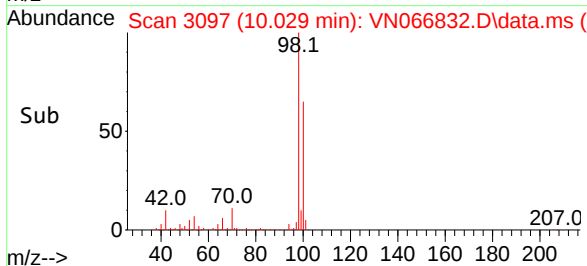


#50
Toluene-d8
Concen: 49.55 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

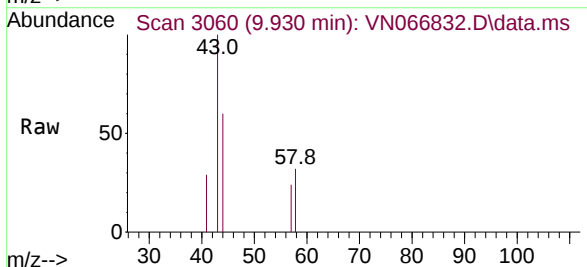
Instrument :
MSVOA_N
ClientSampled :



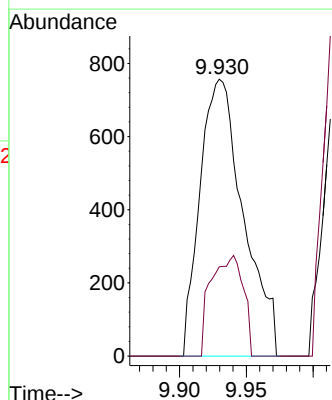
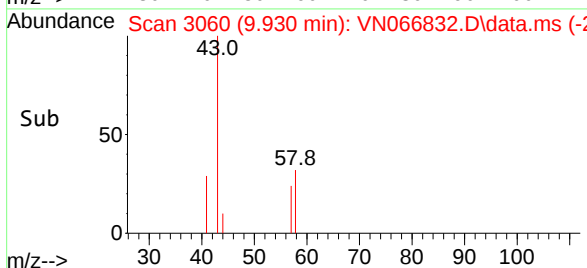
Tgt Ion: 98 Resp: 581655
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

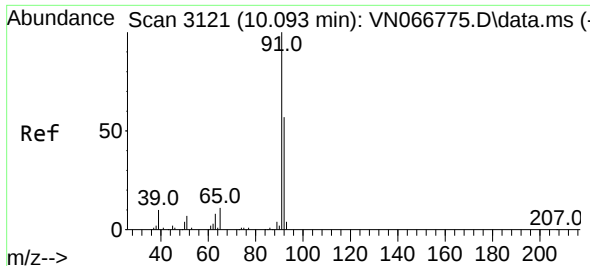


#51
4-Methyl-2-Pentanone
Concen: 0.41 ug/l
RT: 9.930 min Scan# 3060
Delta R.T. 0.008 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05



Tgt Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
58 27.0 32.5 48.7#

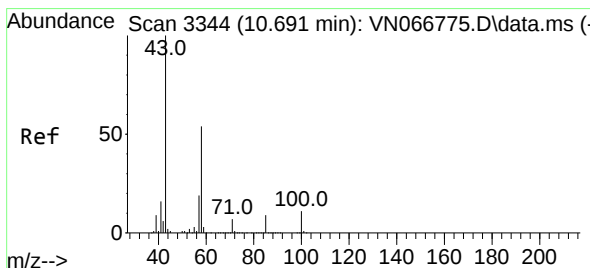
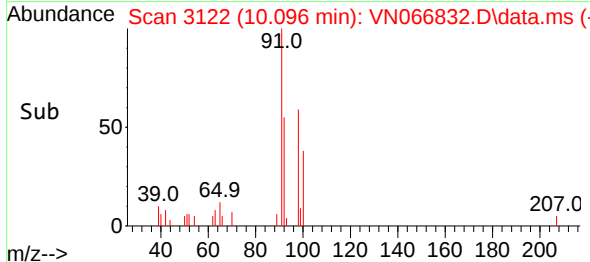
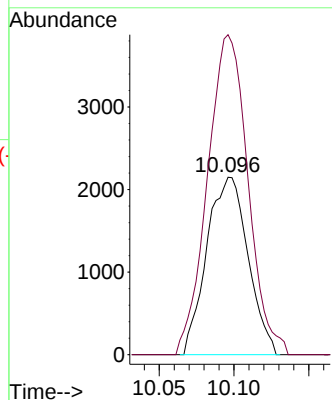
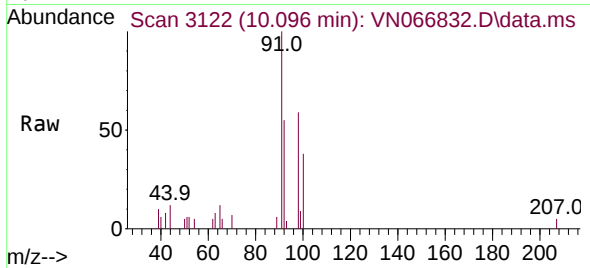




#52
Toluene
Concen: 0.49 ug/l
RT: 10.096 min Scan# 3122
Delta R.T. 0.003 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

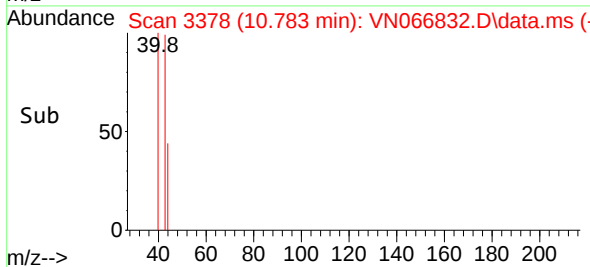
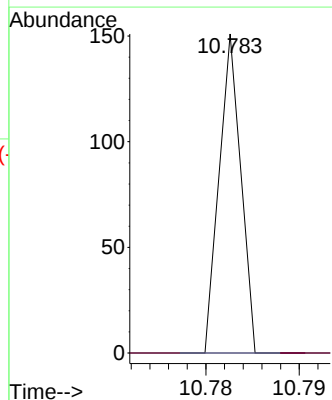
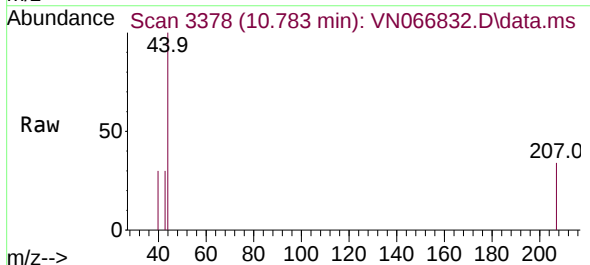
Instrument :
MSVOA_N
ClientSampled :

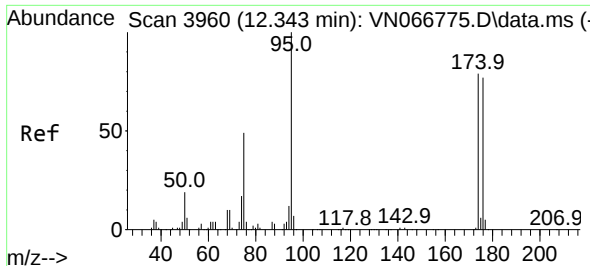
Tgt Ion: 92 Resp: 4126
Ion Ratio Lower Upper
92 100
91 177.0 140.7 211.1



#59
2-Hexanone
Concen: 19.55 ug/l
RT: 10.783 min Scan# 3378
Delta R.T. 0.092 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

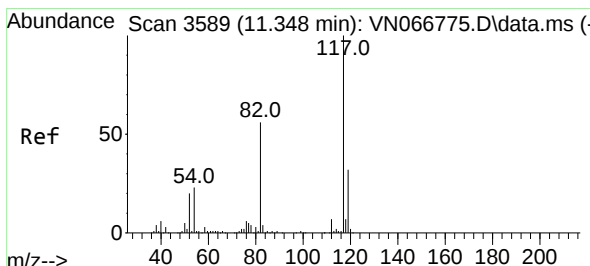
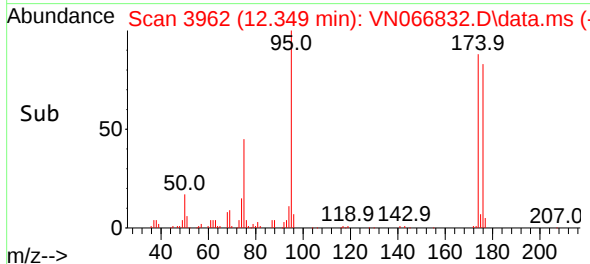
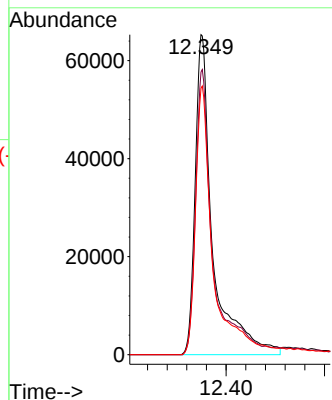
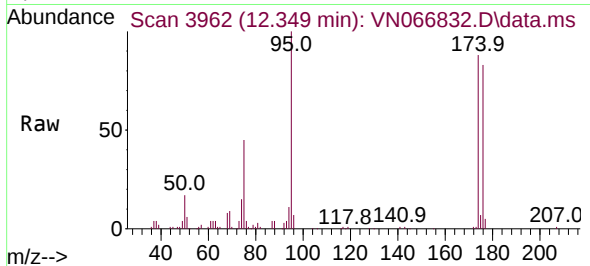




#62
4-Bromofluorobenzene
Concen: 41.05 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

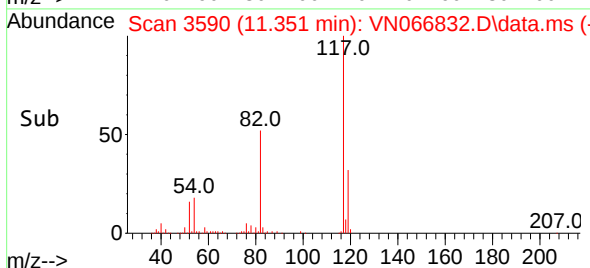
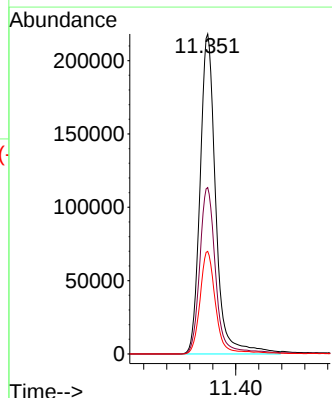
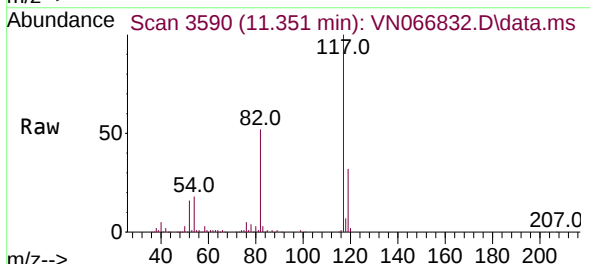
Instrument :
MSVOA_N
ClientSampleId :

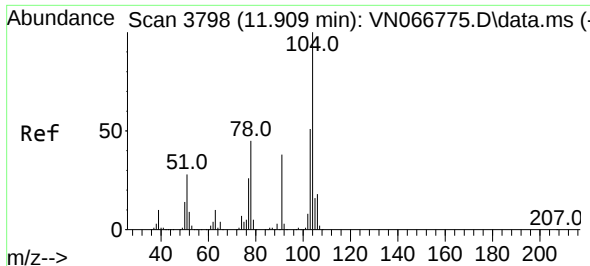
Tgt Ion: 95 Resp: 163055
Ion Ratio Lower Upper
95 100
174 85.5 0.0 169.0
176 83.1 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

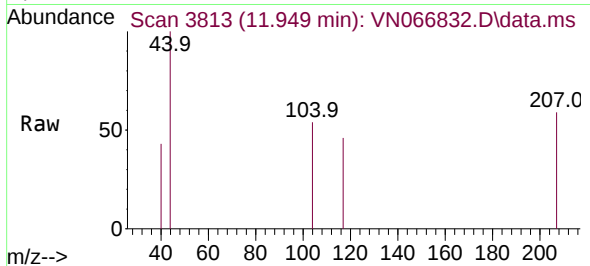
Tgt Ion: 117 Resp: 413882
Ion Ratio Lower Upper
117 100
82 52.0 43.7 65.5
119 32.0 26.1 39.1



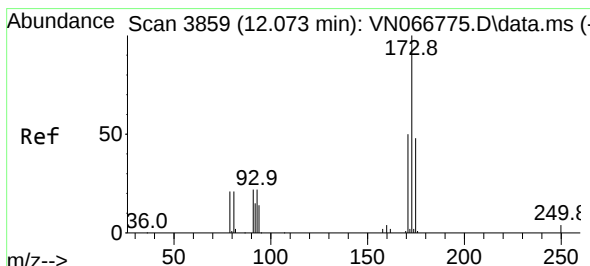
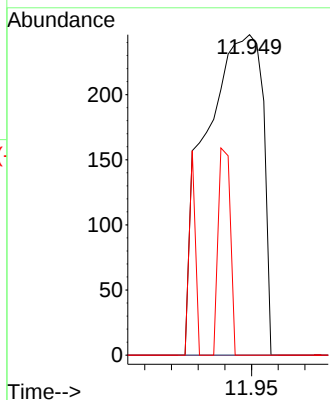
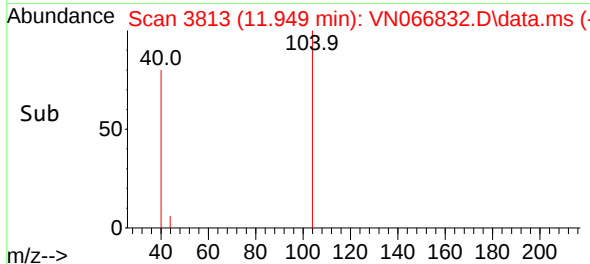


#70
Styrene
Concen: 3.08 ug/l
RT: 11.949 min Scan# 3813
Delta R.T. 0.040 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

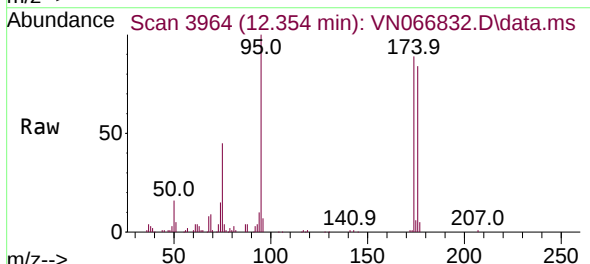
Instrument :
MSVOA_N
ClientSampled :



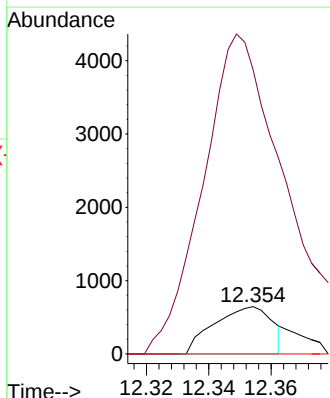
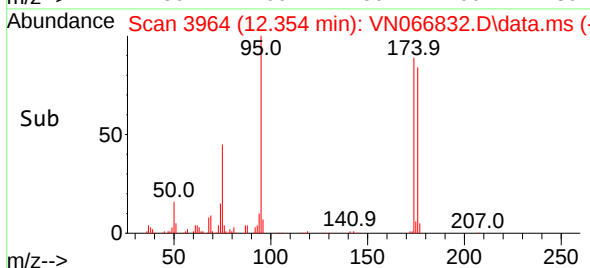
Tgt Ion:104 Resp: 365
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 13.7 44.5 66.7#

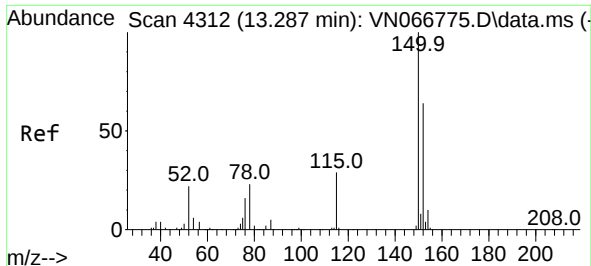


#71
Bromoform
Concen: 0.37 ug/l
RT: 12.354 min Scan# 3964
Delta R.T. 0.281 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05



Tgt Ion:173 Resp: 836
Ion Ratio Lower Upper
173 100
175 761.2 23.8 71.2#
254 0.0 0.0 0.0

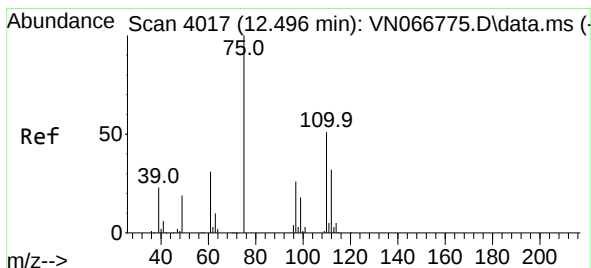
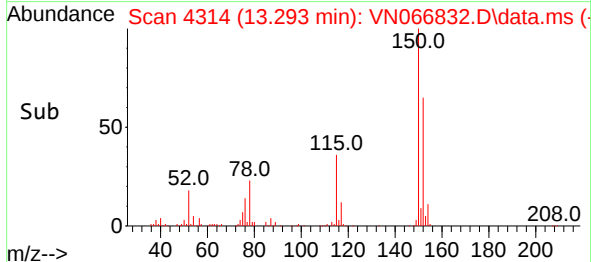
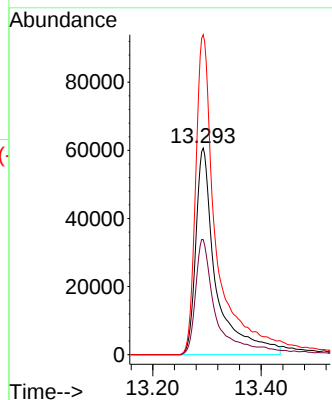
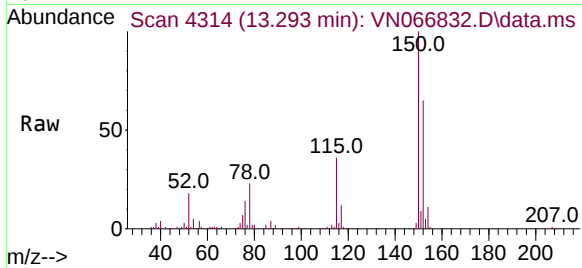




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.293 min Scan# 4314
Delta R.T. 0.005 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

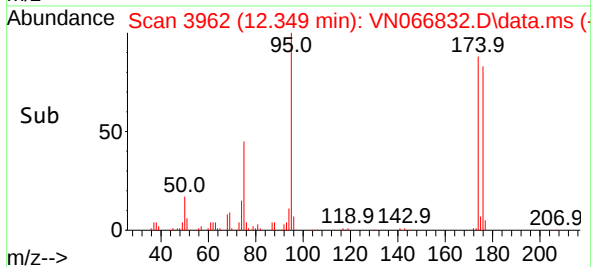
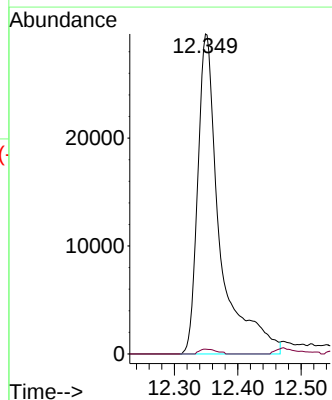
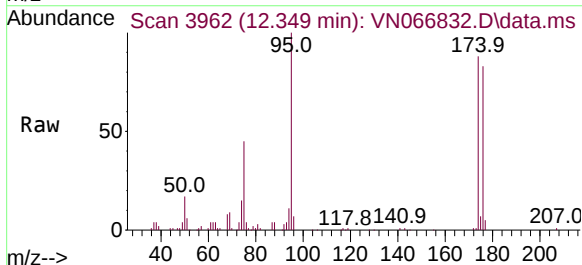
Instrument :
MSVOA_N
ClientSampled :

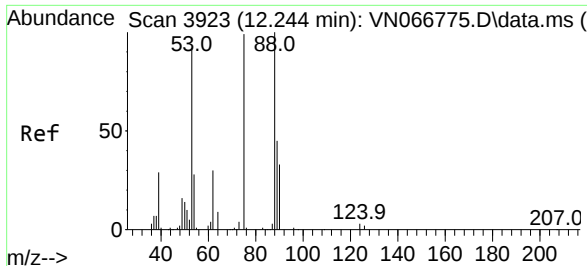
Tgt Ion:152 Resp: 158067
Ion Ratio Lower Upper
152 100
115 53.6 28.5 85.6
150 161.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 21.66 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

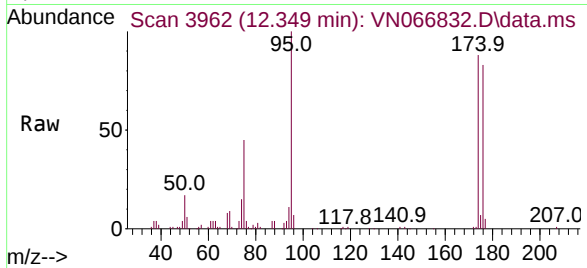
Tgt Ion: 75 Resp: 72154
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



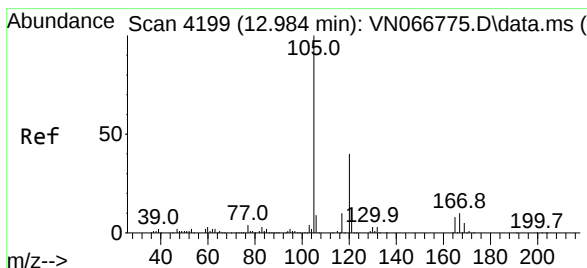
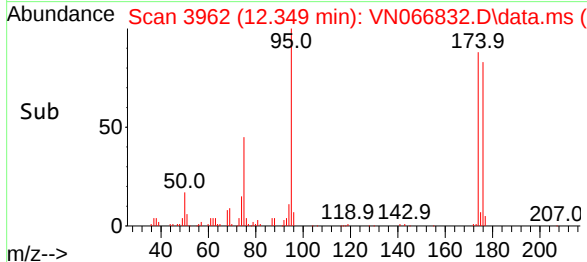
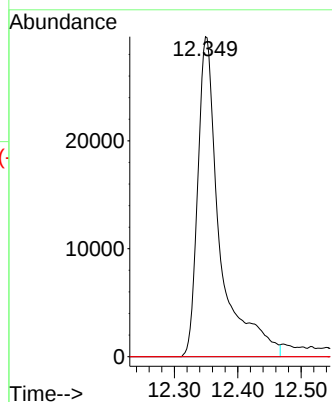


#81
trans-1,4-Dichloro-2-butene
Concen: 59.02 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Instrument :
MSVOA_N
ClientSampled :

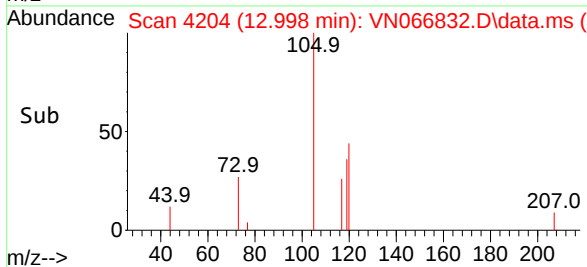
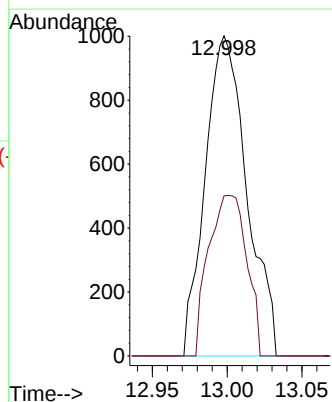
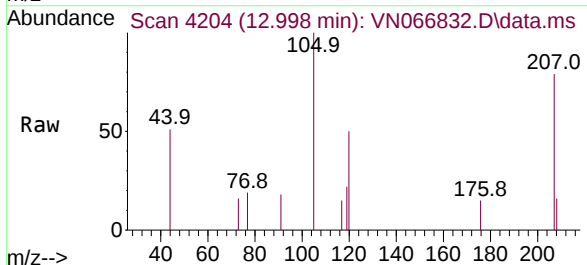


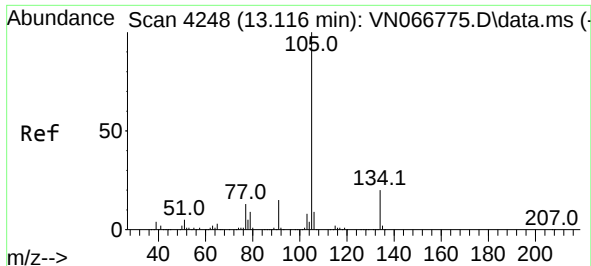
Tgt Ion: 75 Resp: 72154
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.21 ug/l
RT: 12.998 min Scan# 4204
Delta R.T. 0.014 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

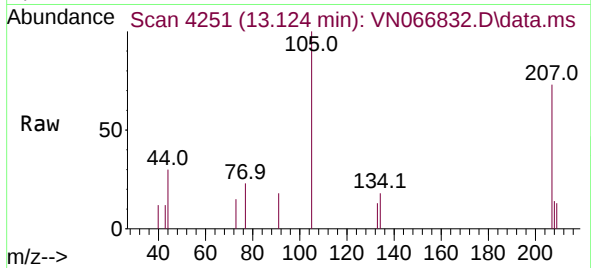
Tgt Ion: 105 Resp: 1942
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.0



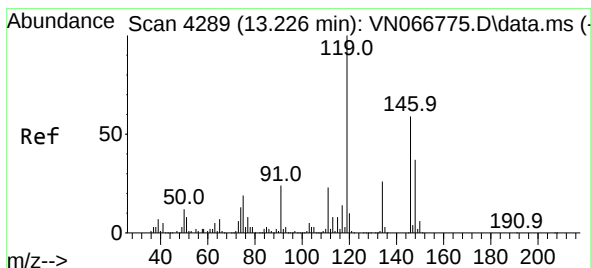
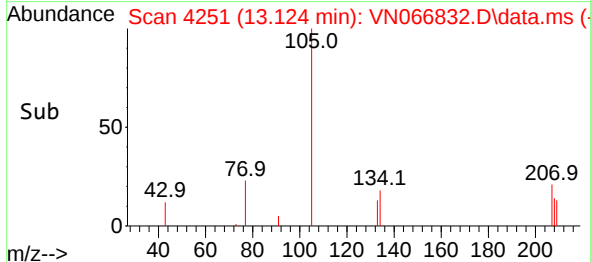
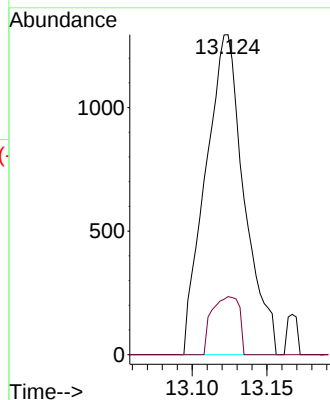


#85
 sec-Butylbenzene
 Concen: 0.21 ug/l
 RT: 13.124 min Scan# 4251
 Delta R.T. 0.008 min
 Lab File: VN066832.D
 Acq: 29 Apr 2021 00:05

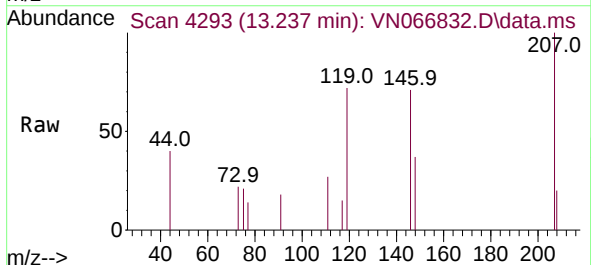
Instrument :
 MSVOA_N
 ClientSampled :



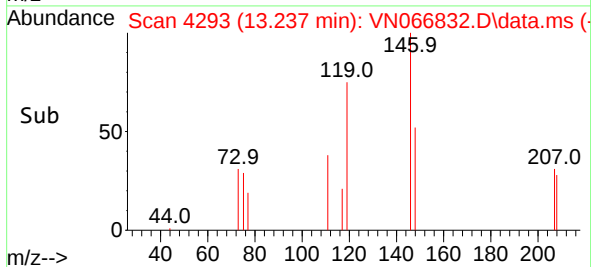
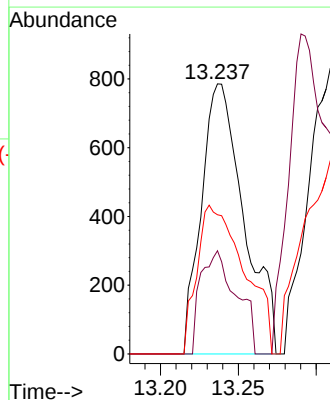
Tgt Ion:105 Resp: 2332
 Ion Ratio Lower Upper
 105 100
 134 12.8 10.0 30.0

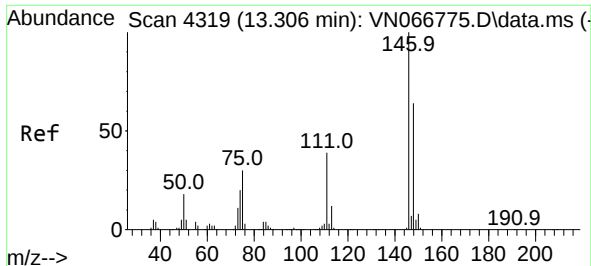


#87
 1,3-Dichlorobenzene
 Concen: 0.31 ug/l
 RT: 13.237 min Scan# 4293
 Delta R.T. 0.011 min
 Lab File: VN066832.D
 Acq: 29 Apr 2021 00:05



Tgt Ion:146 Resp: 1497
 Ion Ratio Lower Upper
 146 100
 111 32.0 19.5 58.5
 148 61.1 32.3 96.9

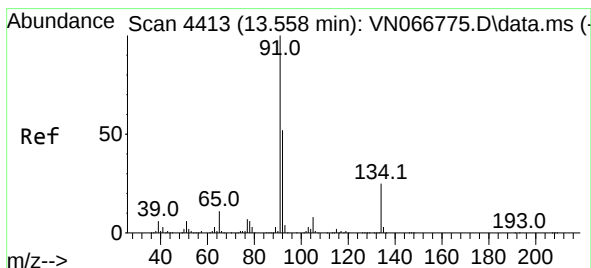
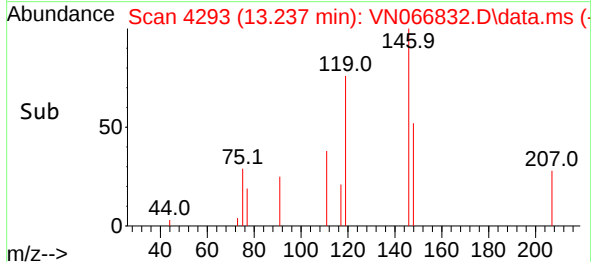
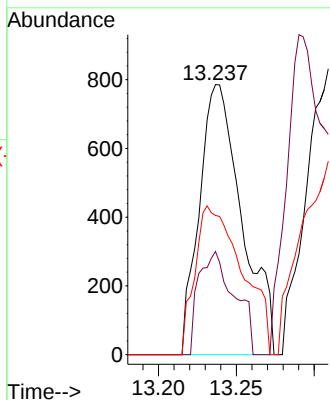
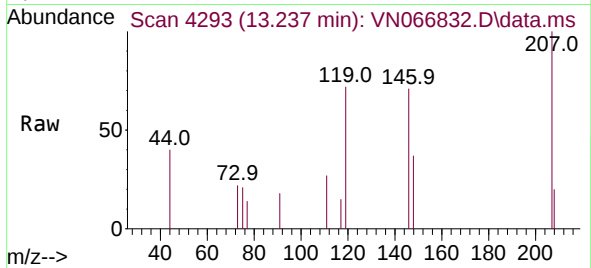




#88
1,4-Dichlorobenzene
Concen: 0.29 ug/l
RT: 13.237 min Scan# 4293
Delta R.T. -0.069 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

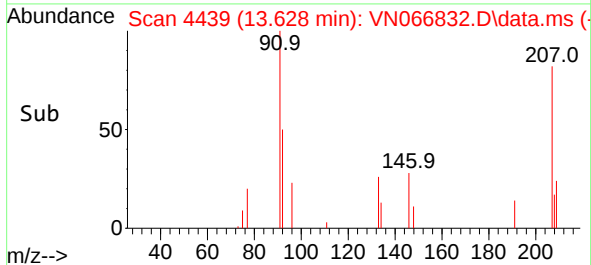
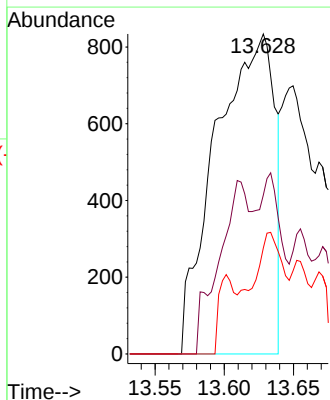
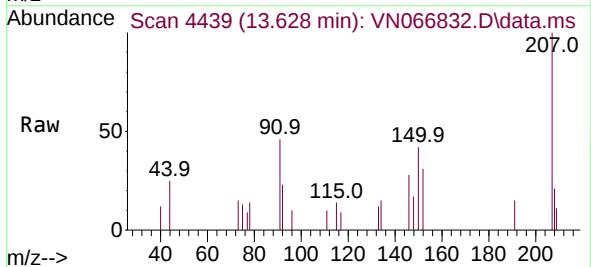
Instrument :
MSVOA_N
ClientSampleId :

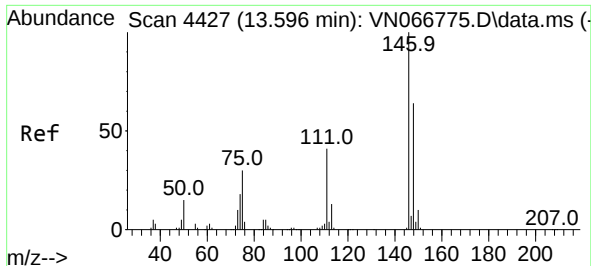
Tgt Ion:146 Resp: 1497
Ion Ratio Lower Upper
146 100
111 32.0 19.0 57.0
148 61.1 31.8 95.3



#89
n-Butylbenzene
Concen: 0.31 ug/l
RT: 13.628 min Scan# 4439
Delta R.T. 0.070 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

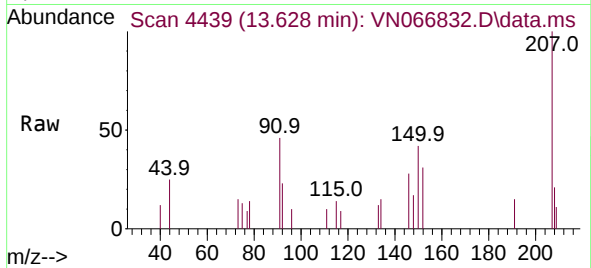
Tgt Ion: 91 Resp: 2447
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 7.6 13.0 38.9#



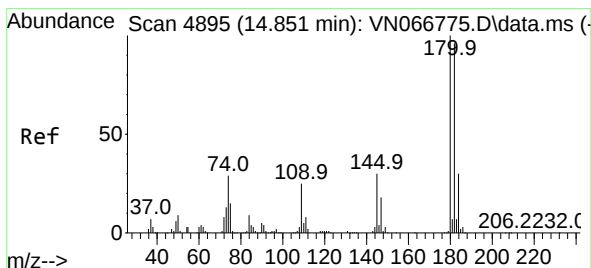
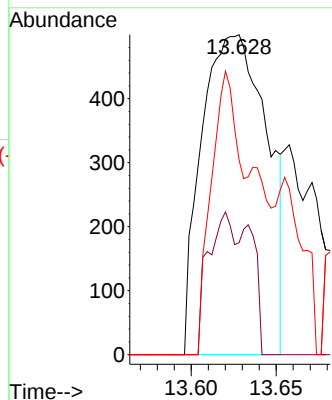
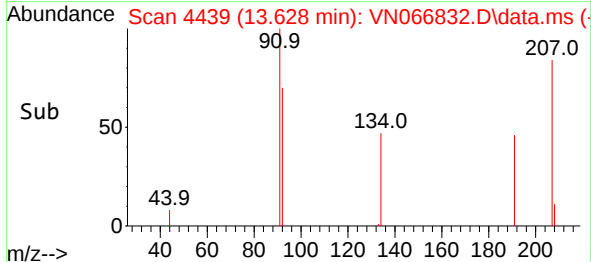


#91
1,2-Dichlorobenzene
Concen: 0.27 ug/l
RT: 13.628 min Scan# 4439
Delta R.T. 0.032 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

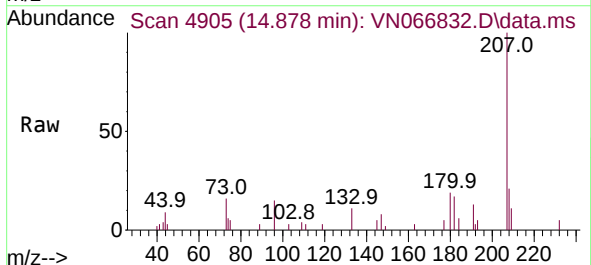
Instrument :
MSVOA_N
ClientSampled :



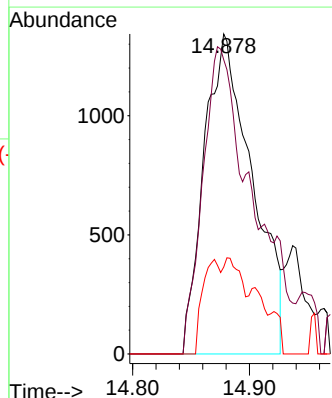
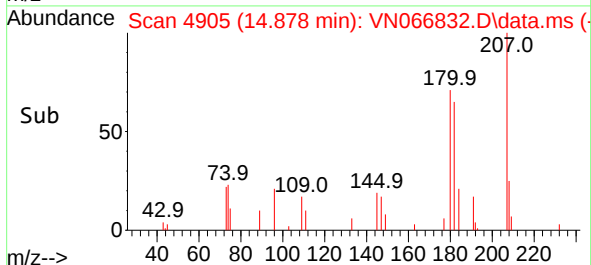
Tgt Ion:146 Resp: 1336
Ion Ratio Lower Upper
146 100
111 17.6 20.1 60.3#
148 41.7 32.0 96.0

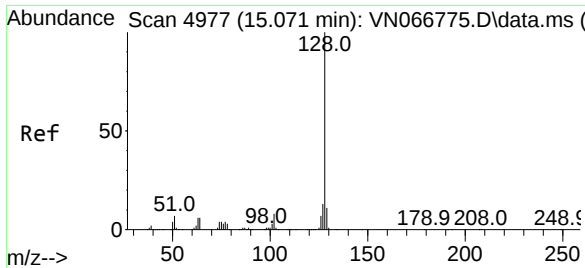


#93
1,2,4-Trichlorobenzene
Concen: 1.41 ug/l
RT: 14.878 min Scan# 4905
Delta R.T. 0.027 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05



Tgt Ion:180 Resp: 3843
Ion Ratio Lower Upper
180 100
182 66.6 47.3 142.0
145 11.0 15.6 46.8#

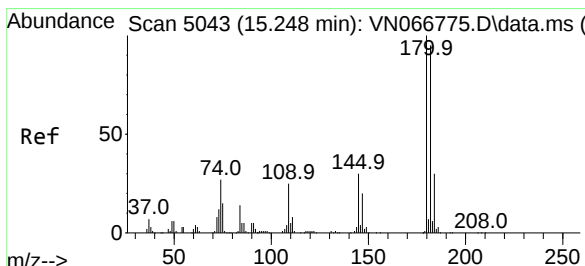
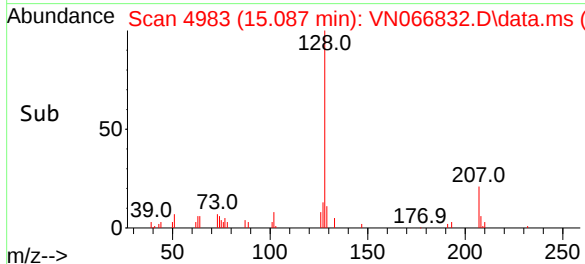
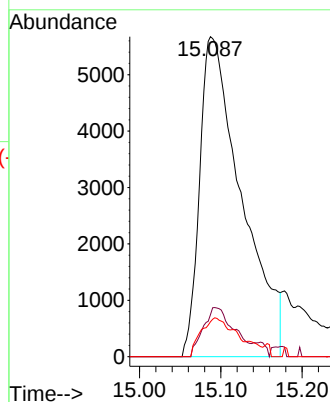
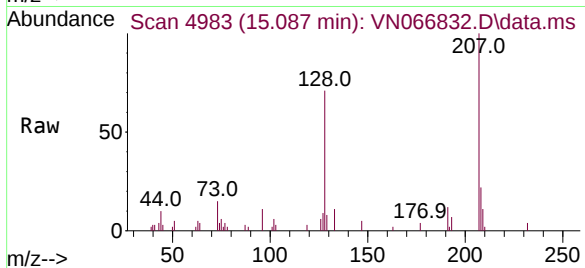




#95
Naphthalene
Concen: 2.89 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	20282
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.2	15.2
129	9.5	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.46 ug/l
RT: 15.261 min Scan# 5048
Delta R.T. 0.013 min
Lab File: VN066832.D
Acq: 29 Apr 2021 00:05

Tgt Ion:	180	Resp:	6479
Ion Ratio	Lower	Upper	
180	100		
182	78.6	47.4	142.3
145	25.5	16.5	49.5

