

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020921\
 Data File : VN065776.D
 Acq On : 9 Feb 2021 13:06
 Operator : JC/MD
 Sample : M1318-03 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 14:19:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

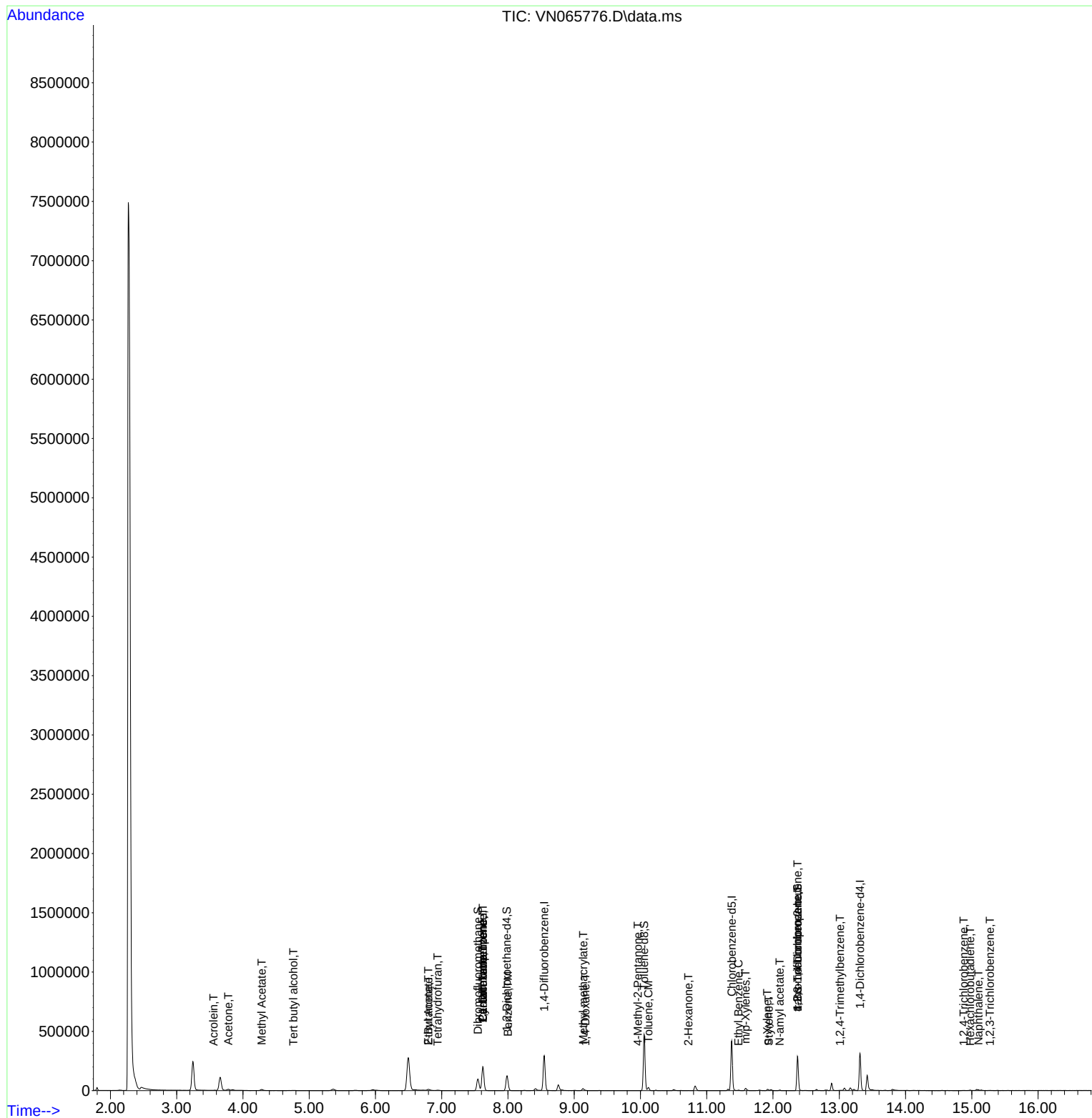
Internal Standards						
1) Pentafluorobenzene	7.621	168	169722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	280260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	248499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	92041	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	94459	42.30	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.60%		
35) Dibromofluoromethane	7.547	113	82299	49.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.10%		
50) Toluene-d8	10.055	98	348378	53.36	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.72%		
62) 4-Bromofluorobenzene	12.370	95	112336	47.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.58%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.762	59	3311	7.92	ug/l #	73
13) Acrolein	3.557	56	230	18.68	ug/l #	15
16) Acetone	3.778	43	12762	14.68	ug/l	100
18) Methyl Acetate	4.283	43	18438	7.57	ug/l	96
25) 2-Butanone	6.798	43	10003	7.34	ug/l	97
29) Tetrahydrofuran	6.939	42	594	0.60	ug/l #	32
31) Cyclohexane	7.621	56	3010	0.72	ug/l #	1
36) 1,1-Dichloropropene	7.618	75	12098	4.29	ug/l #	48
37) Ethyl Acetate	6.798	43	10003	3.70	ug/l #	68
38) Carbon Tetrachloride	7.621	117	15550	6.70	ug/l #	16
40) Benzene	8.000	78	12366	1.44	ug/l	98
48) Methyl methacrylate	9.135	41	6301	2.77	ug/l #	31
49) 1,4-Dioxane	9.167	88	814	22.10	ug/l #	26
51) 4-Methyl-2-Pentanone	9.958	43	1000	0.38	ug/l #	35
52) Toluene	10.119	92	11526	2.26	ug/l	96
59) 2-Hexanone	10.724	43	861	0.47	ug/l	65
67) Ethyl Benzene	11.479	91	3654	0.37	ug/l	93
68) m/p-Xylenes	11.588	106	6637	1.88	ug/l	98
69) o-Xylene	11.916	106	2541	0.74	ug/l	98
70) Styrene	11.936	104	2099	0.37	ug/l	98
74) N-amyl acetate	12.100	43	1530	0.45	ug/l #	39
76) 1,2,3-Trichloropropane	12.370	75	50792	21.10	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.370	75	50792	54.05	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.013	105	2778	0.41	ug/l	90
93) 1,2,4-Trichlorobenzene	14.878	180	612	3.67	ug/l #	84
94) Hexachlorobutadiene	14.977	225	270	0.57	ug/l #	18
95) Naphthalene	15.100	128	6529	4.47	ug/l	97
96) 1,2,3-Trichlorobenzene	15.276	180	808	3.26	ug/l #	85

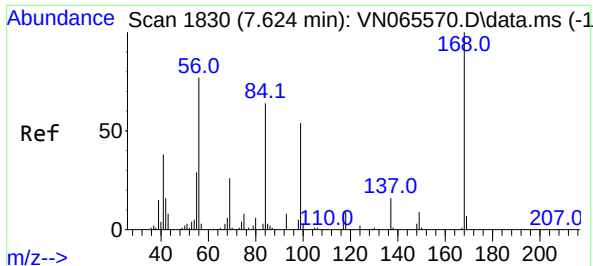
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

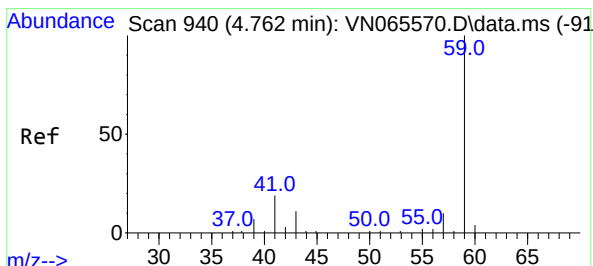
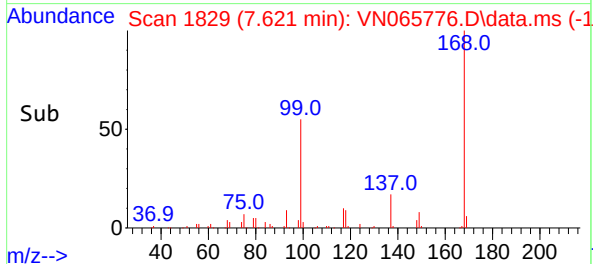
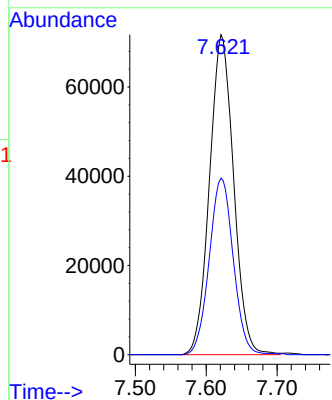
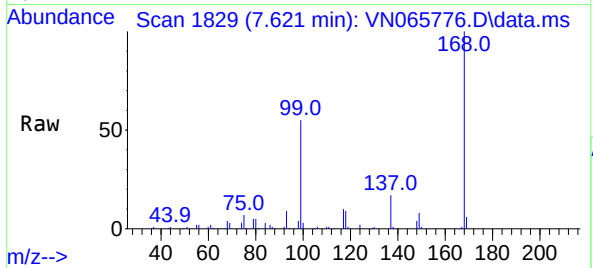




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.003 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

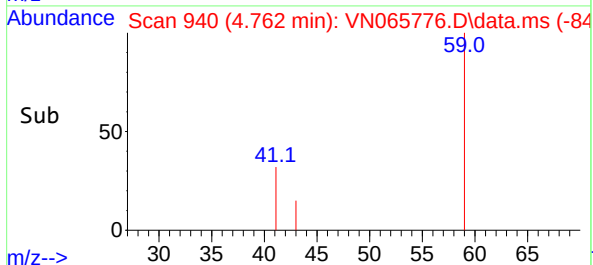
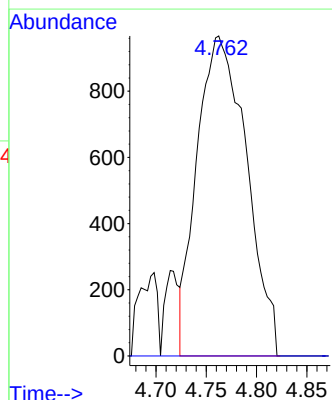
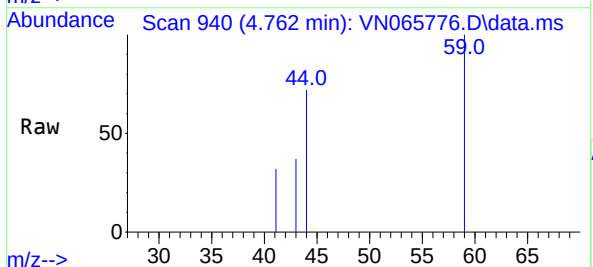
Instrument :
MSVOA_N
ClientSampleId :

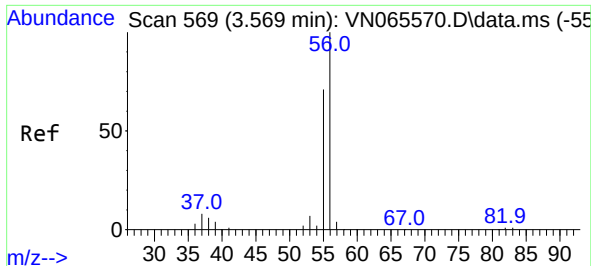
Tgt Ion:168 Resp: 169722
Ion Ratio Lower Upper
168 100
99 55.2 42.6 63.8



#11
Tert butyl alcohol
Concen: 7.92 ug/l
RT: 4.762 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 59 Resp: 3311
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

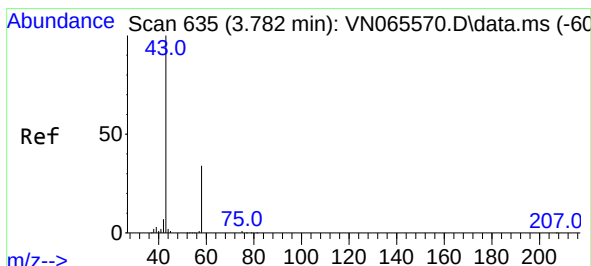
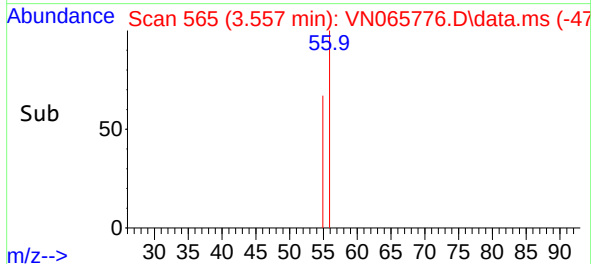
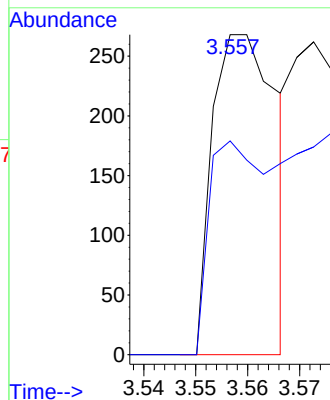
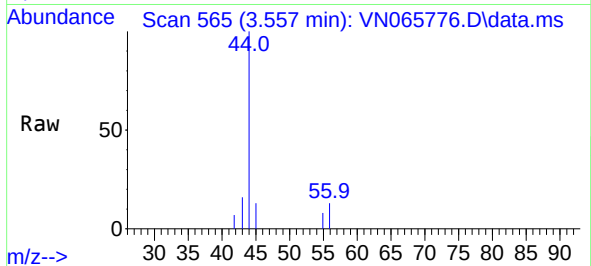




#13
Acrolein
Concen: 18.68 ug/l
RT: 3.557 min Scan# 565
Delta R.T. -0.012 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

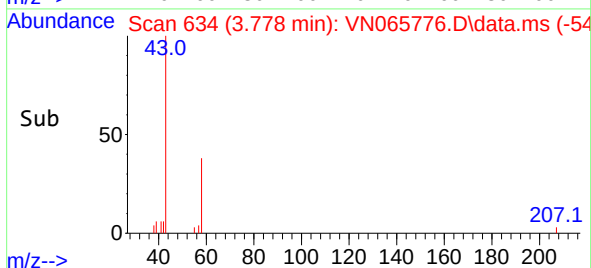
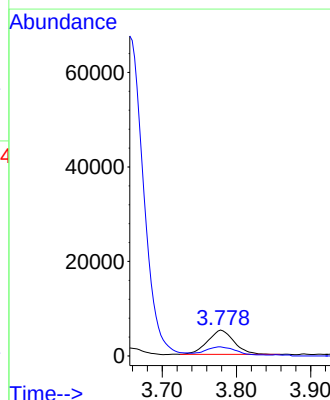
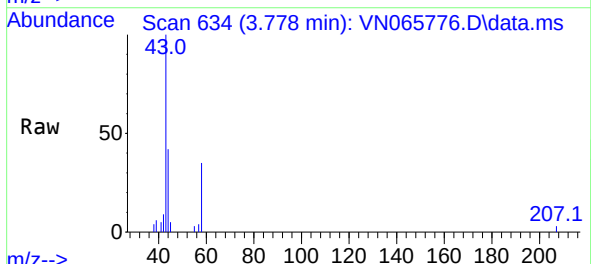
Instrument :
MSVOA_N
ClientSampled :

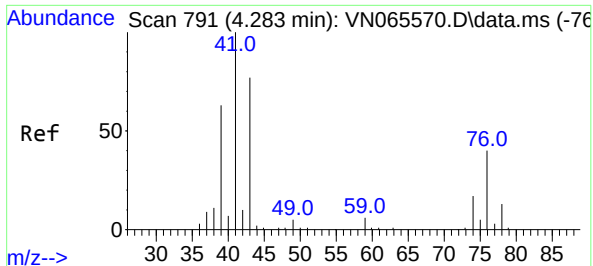
Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 14.68 ug/l
RT: 3.778 min Scan# 634
Delta R.T. -0.004 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 43 Resp: 12762
Ion Ratio Lower Upper
43 100
58 33.8 27.0 40.6

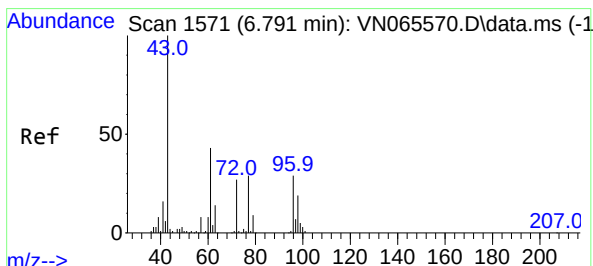
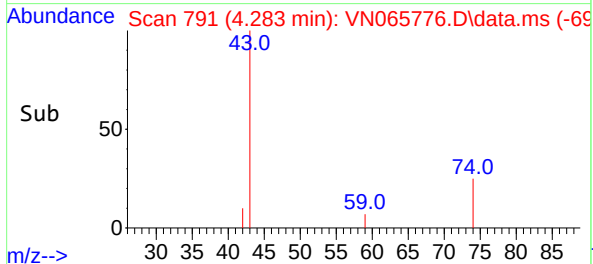
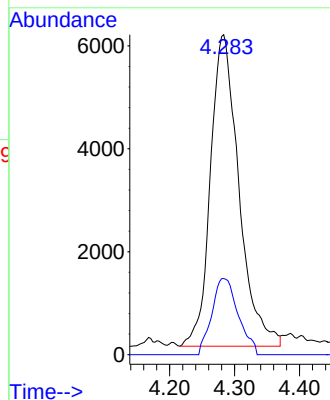
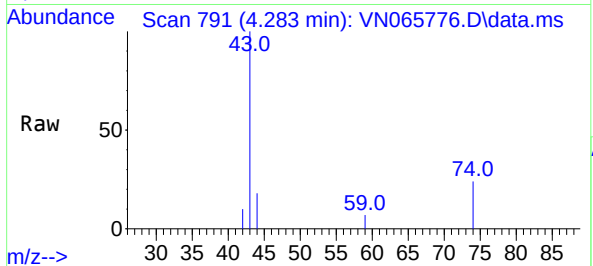




#18
Methyl Acetate
Concen: 7.57 ug/l
RT: 4.283 min Scan# 791
Delta R.T. 0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

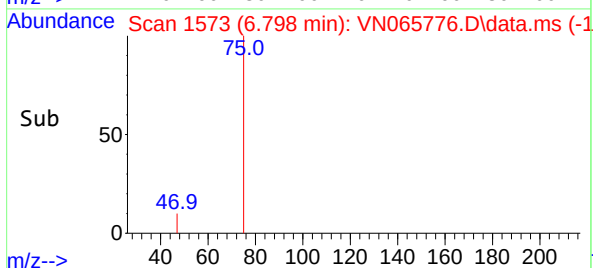
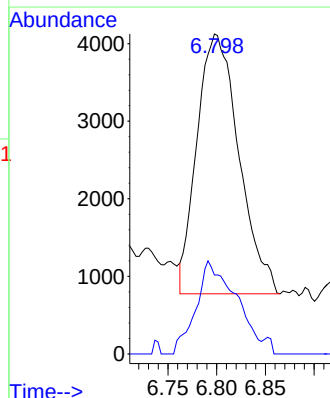
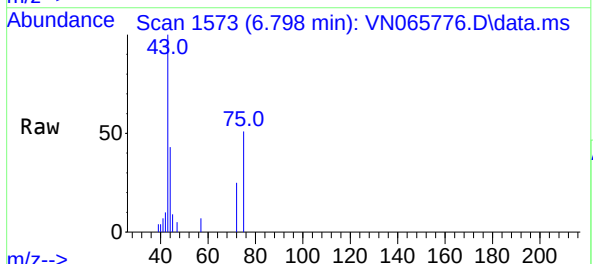
Instrument :
MSVOA_N
ClientSampled :

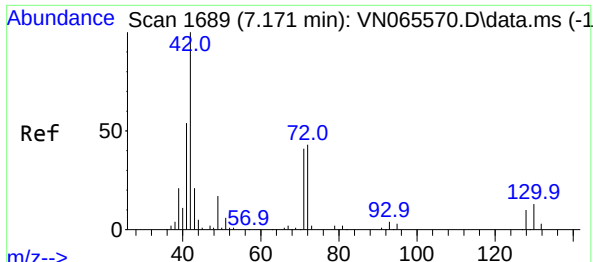
Tgt Ion: 43 Resp: 18438
Ion Ratio Lower Upper
43 100
74 22.6 19.5 29.3



#25
2-Butanone
Concen: 7.34 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. 0.007 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 43 Resp: 10003
Ion Ratio Lower Upper
43 100
72 30.4 23.1 34.7



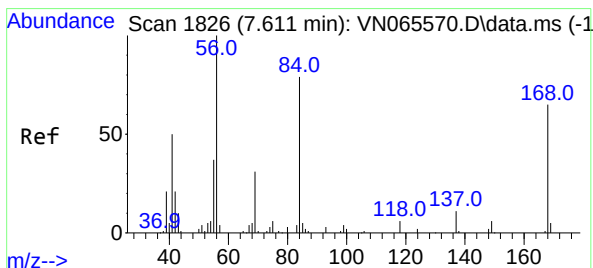
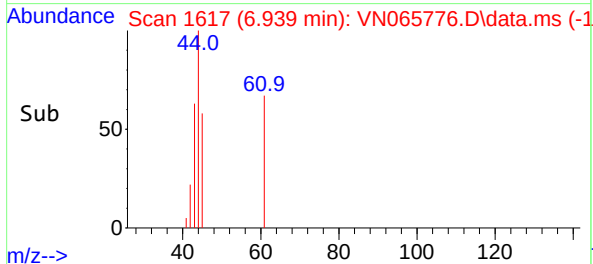
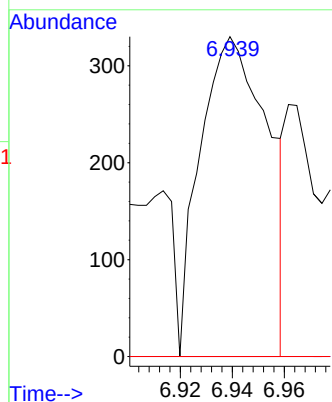
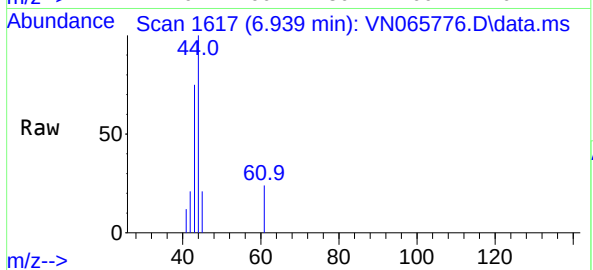


#29
Tetrahydrofuran
Concen: 0.60 ug/l
RT: 6.939 min Scan# 1617
Delta R.T. -0.232 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42 Resp: 594

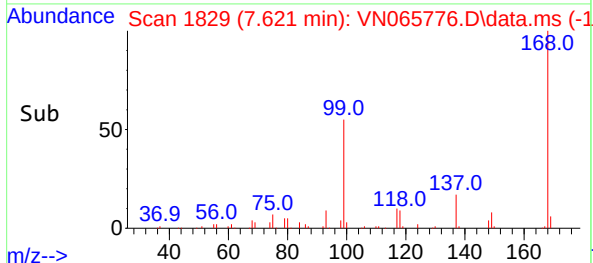
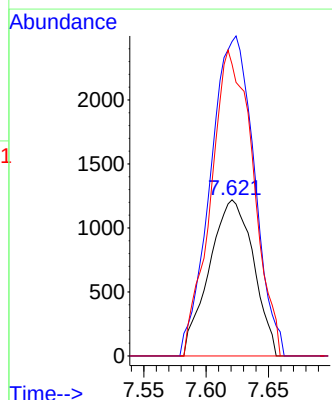
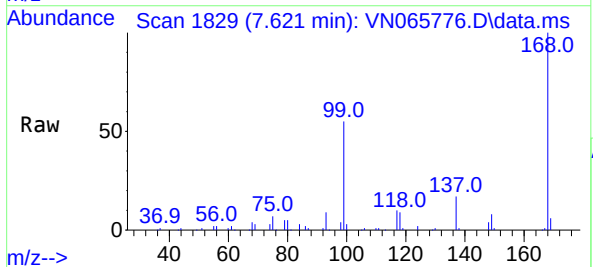
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

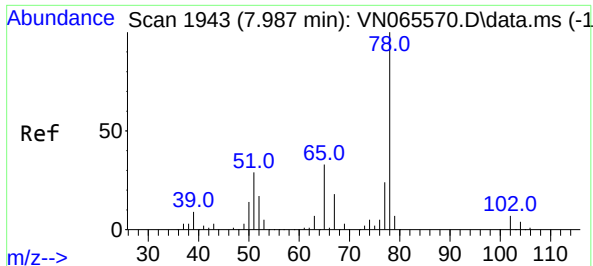


#31
Cyclohexane
Concen: 0.72 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 56 Resp: 3010

Ion	Ratio	Lower	Upper
56	100		
69	201.3	26.6	39.8#
84	186.8	70.4	105.6#



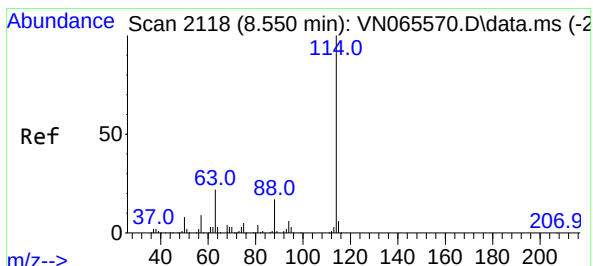
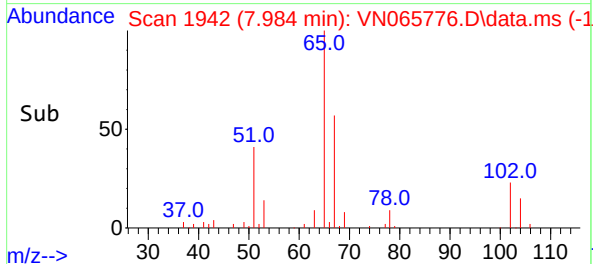
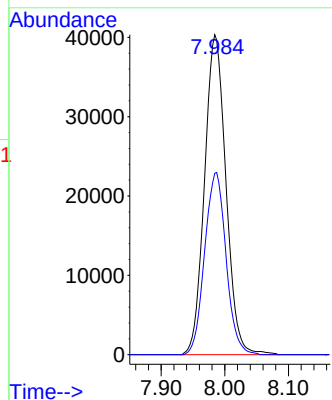
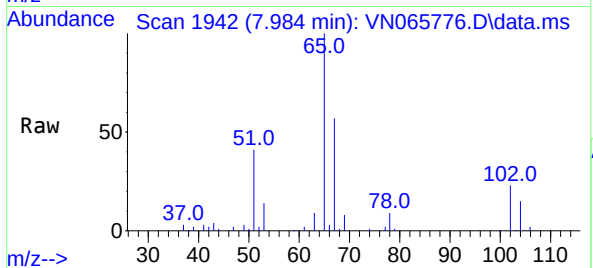


#33

1,2-Dichloroethane-d4
Concen: 42.30 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Instrument :
MSVOA_N
ClientSampleId :

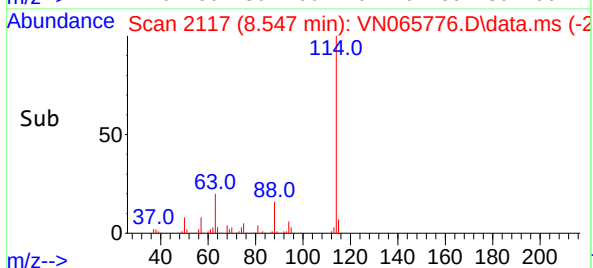
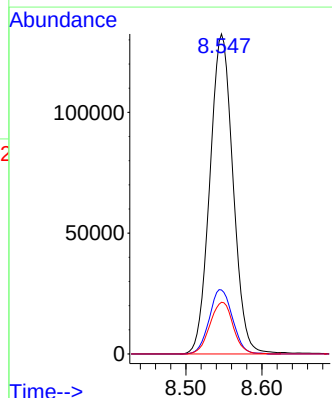
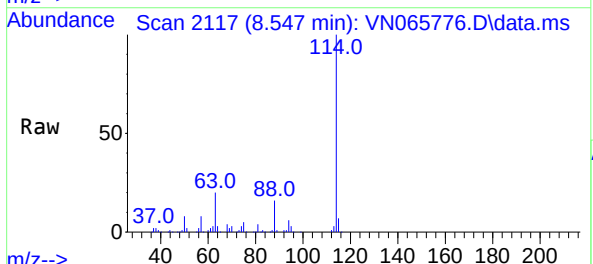
Tgt Ion: 65 Resp: 94459
Ion Ratio Lower Upper
65 100
67 56.9 0.0 107.2

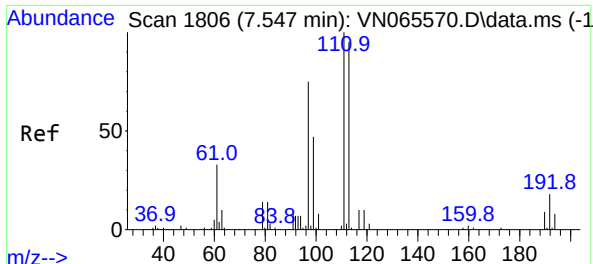


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 114 Resp: 280260
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.6
88 16.1 0.0 30.6

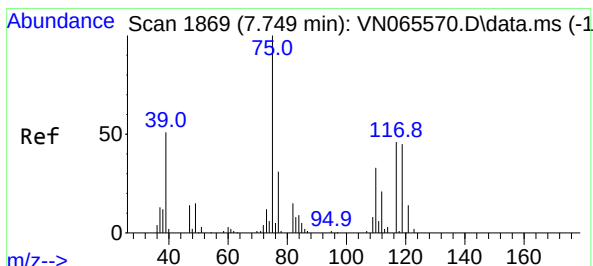
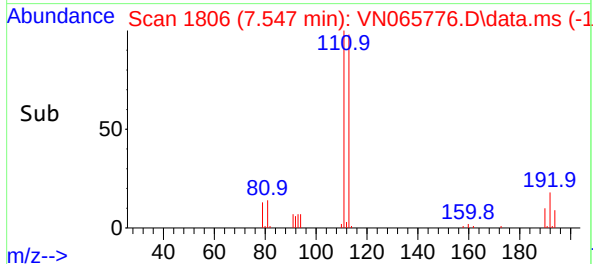
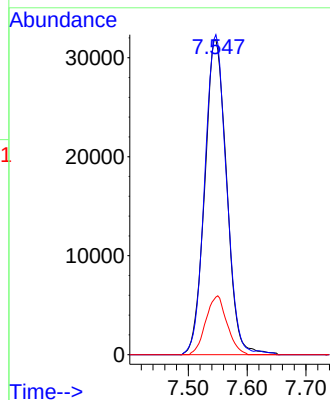
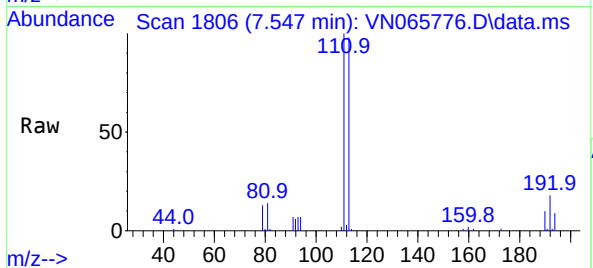




#35
Dibromofluoromethane
Concen: 49.55 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

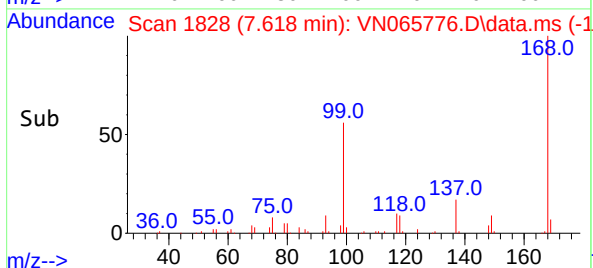
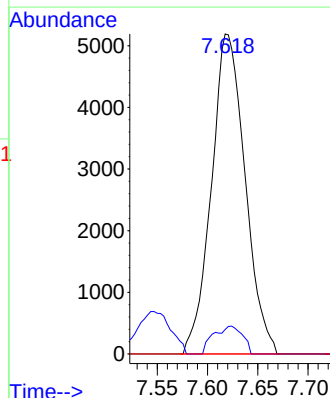
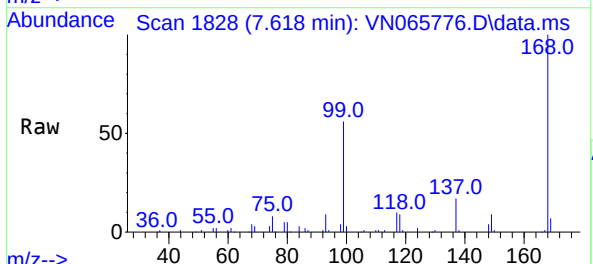
Instrument :
MSVOA_N
ClientSampleId :

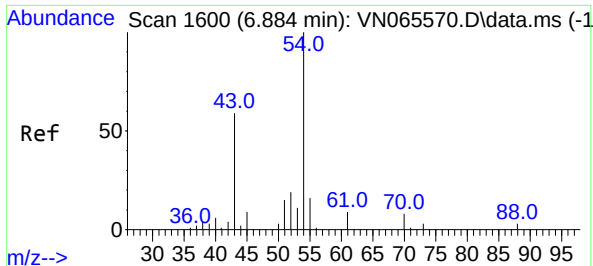
Tgt Ion:113 Resp: 82299
Ion Ratio Lower Upper
113 100
111 99.9 82.2 123.2
192 18.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. -0.131 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 75 Resp: 12098
Ion Ratio Lower Upper
75 100
110 7.5 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 3.70 ug/l

RT: 6.798 min Scan# 1573

Delta R.T. -0.086 min

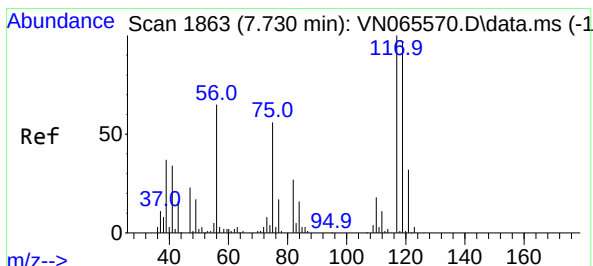
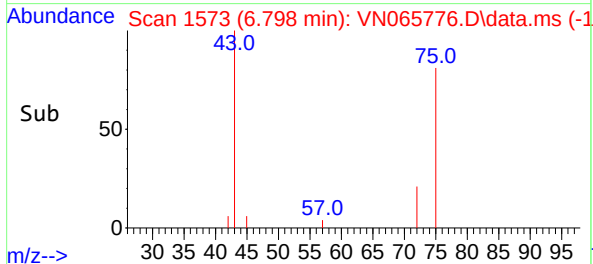
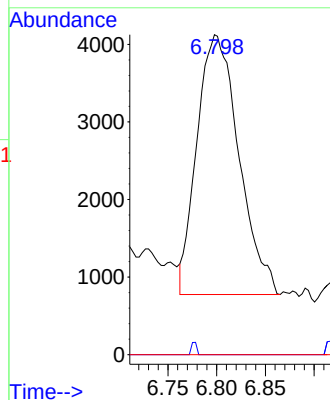
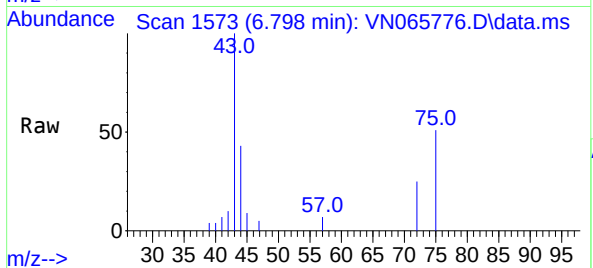
Lab File: VN065776.D

Acq: 9 Feb 2021 13:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 10003

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.70 ug/l

RT: 7.621 min Scan# 1829

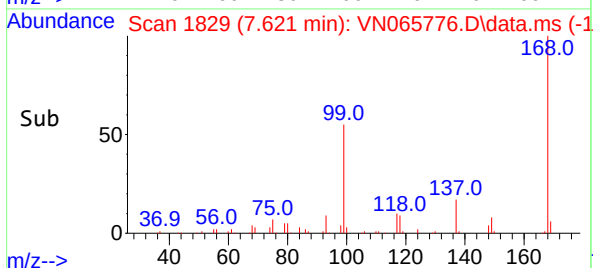
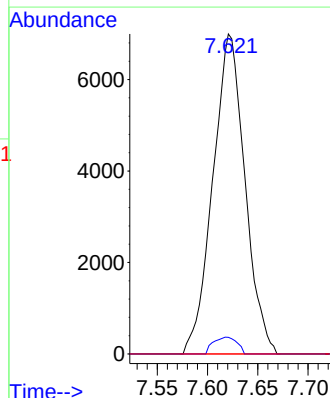
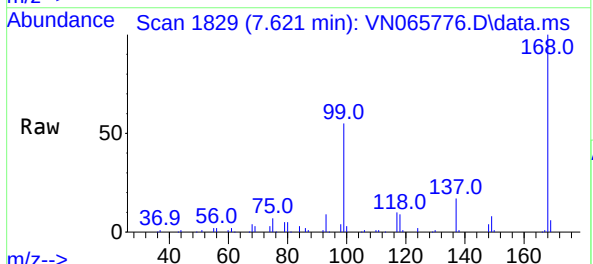
Delta R.T. -0.109 min

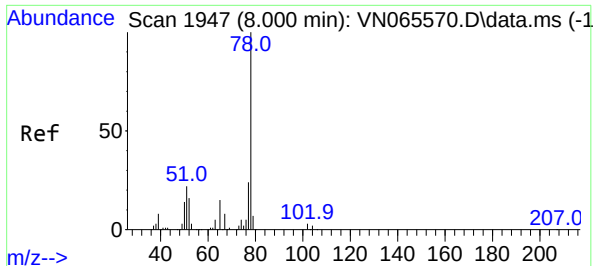
Lab File: VN065776.D

Acq: 9 Feb 2021 13:06

Tgt Ion: 117 Resp: 15550

Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.0	114.0#
121	0.0	24.5	36.7#

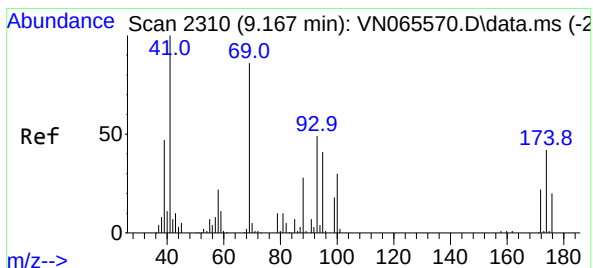
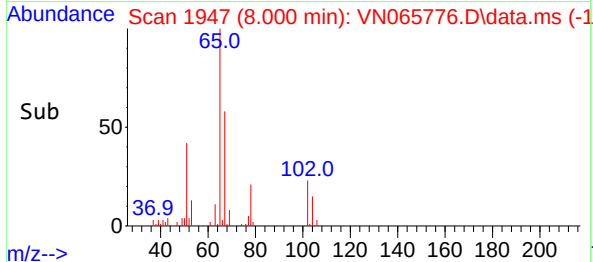
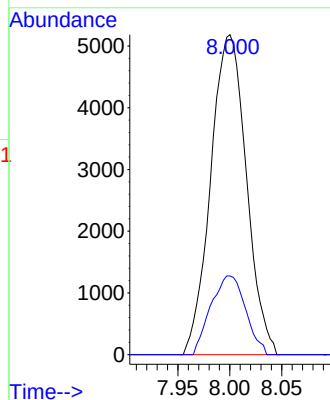
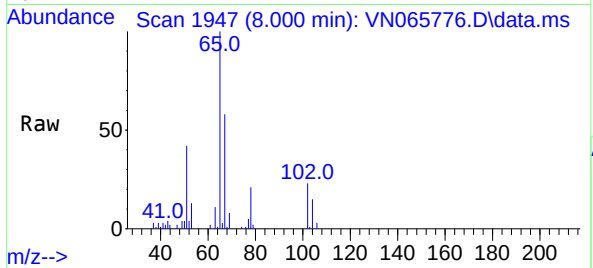




#40
Benzene
Concen: 1.44 ug/l
RT: 8.000 min Scan# 1947
Delta R.T. 0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

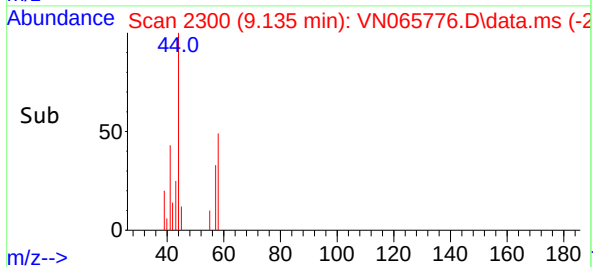
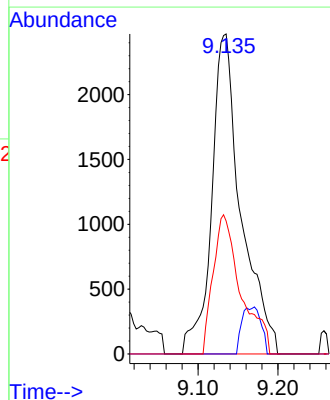
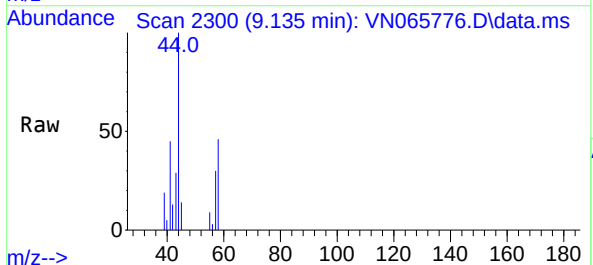
Instrument :
MSVOA_N
ClientSampled :

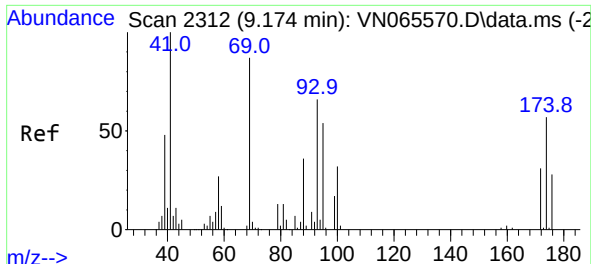
Tgt Ion: 78 Resp: 12366
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.4



#48
Methyl methacrylate
Concen: 2.77 ug/l
RT: 9.135 min Scan# 2300
Delta R.T. -0.032 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 41 Resp: 6301
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 41.2 46.6 69.8#

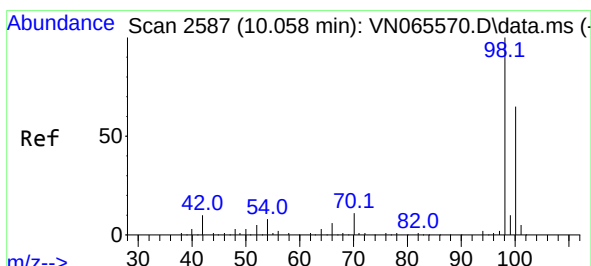
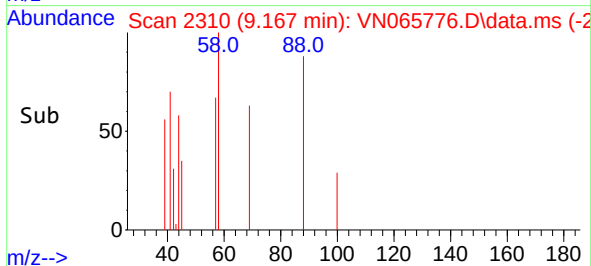
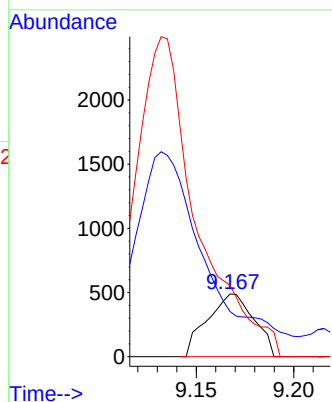
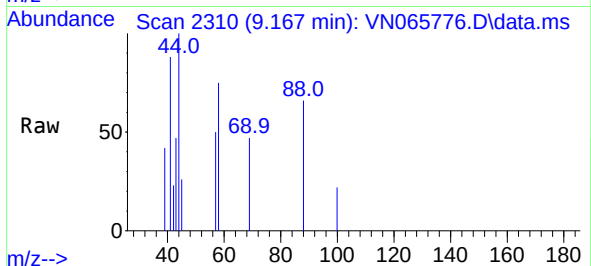




#49
1,4-Dioxane
Concen: 22.10 ug/l
RT: 9.167 min Scan# 2310
Delta R.T. -0.007 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

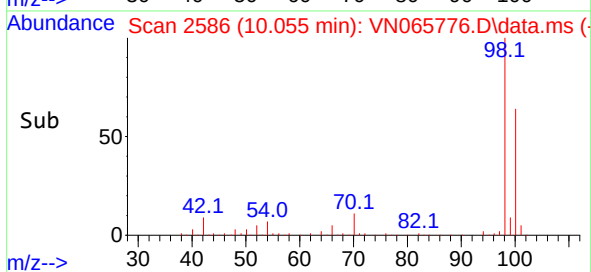
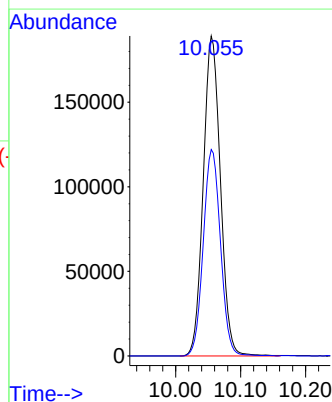
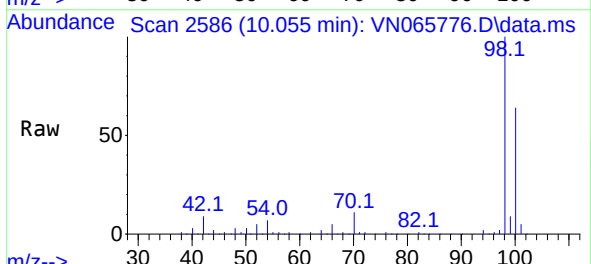
Instrument :
MSVOA_N
ClientSampleId :

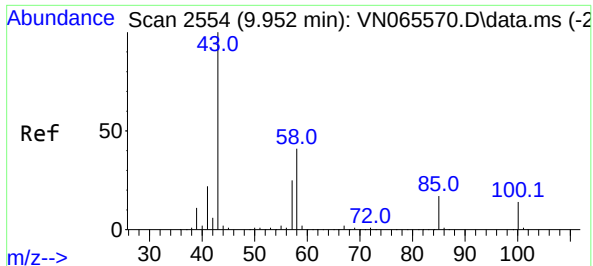
Tgt Ion: 88 Resp: 814
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 53.36 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 98 Resp: 348378
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

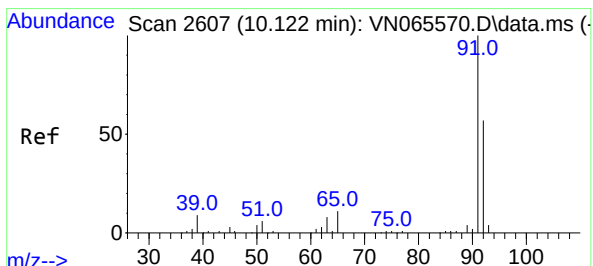
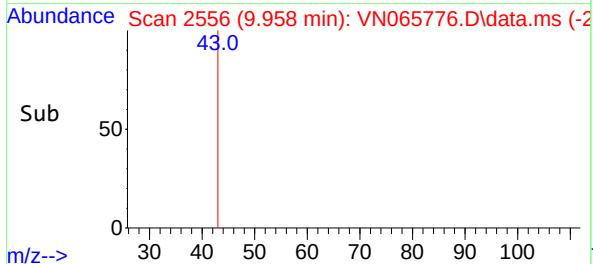
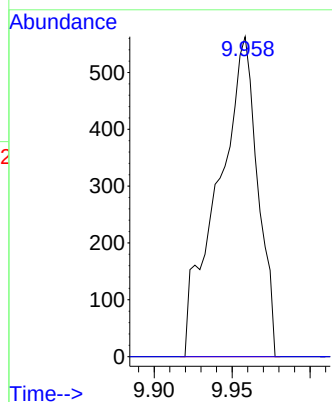
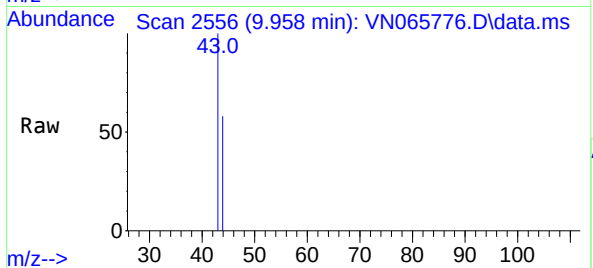




#51
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.006 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

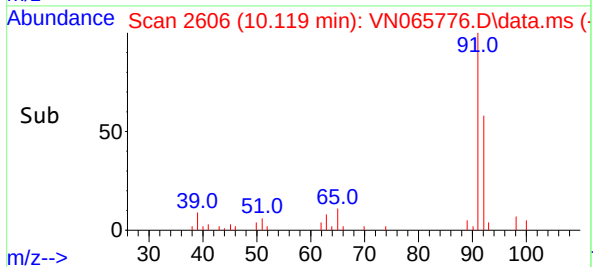
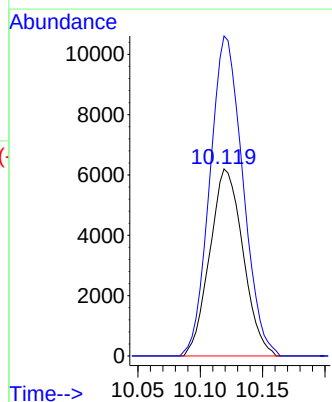
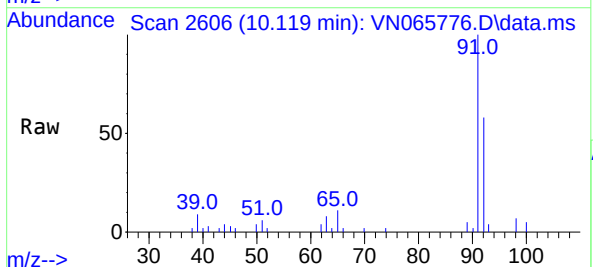
Instrument :
MSVOA_N
ClientSampled :

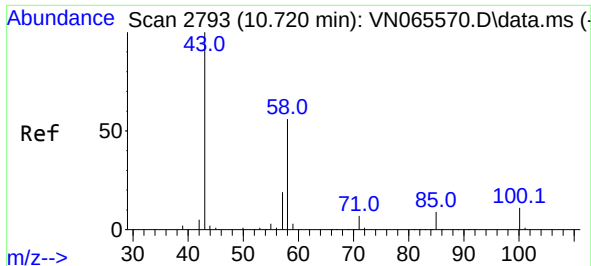
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#



#52
Toluene
Concen: 2.26 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. -0.003 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 92 Resp: 11526
Ion Ratio Lower Upper
92 100
91 169.8 140.7 211.1

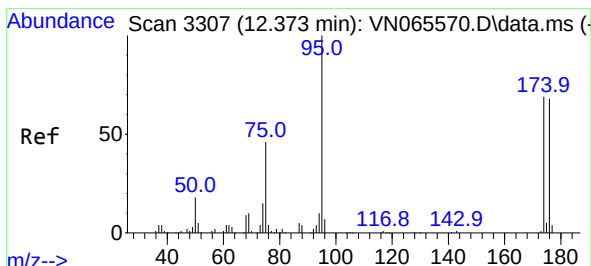
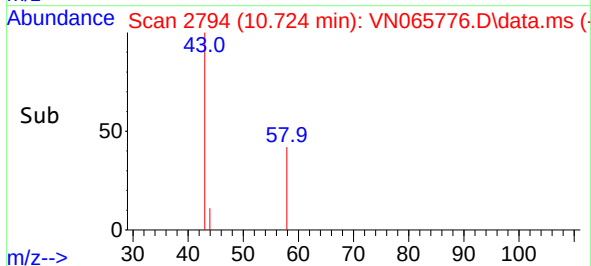
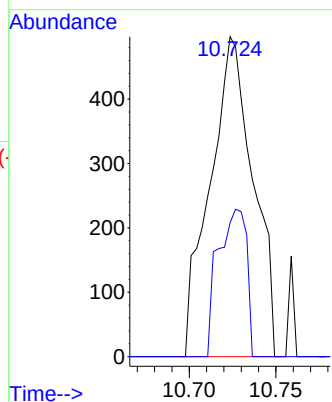
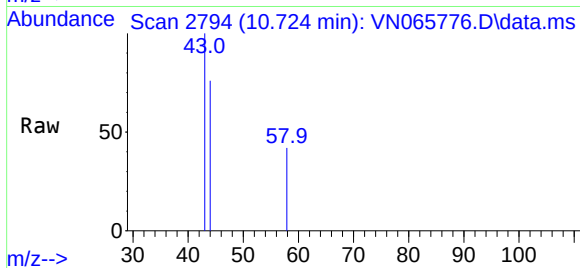




#59
2-Hexanone
Concen: 0.47 ug/l
RT: 10.724 min Scan# 2794
Delta R.T. 0.004 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

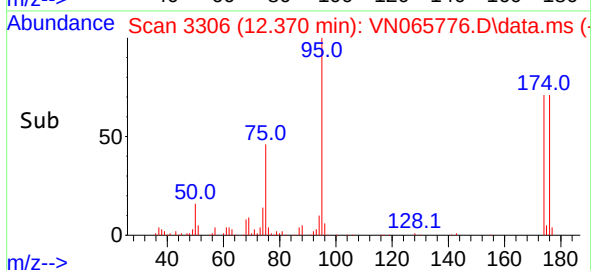
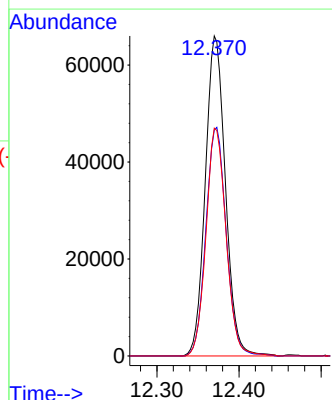
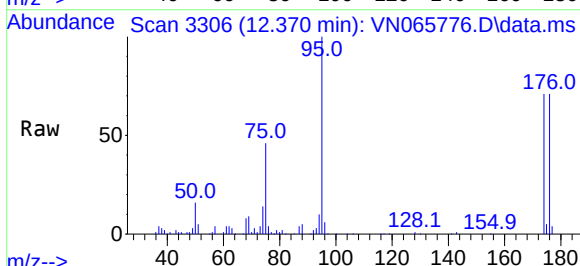
Instrument :
MSVOA_N
ClientSampled :

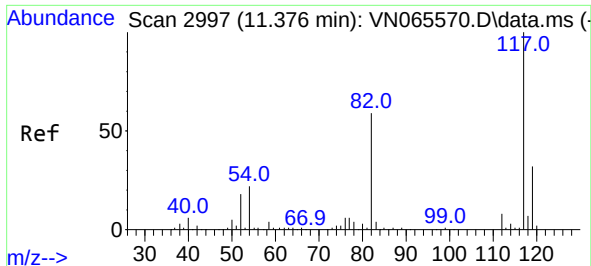
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 30.3 28.1 84.3



#62
4-Bromofluorobenzene
Concen: 47.79 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.003 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 95 Resp: 112336
Ion Ratio Lower Upper
95 100
174 72.3 0.0 169.0
176 71.1 0.0 162.4

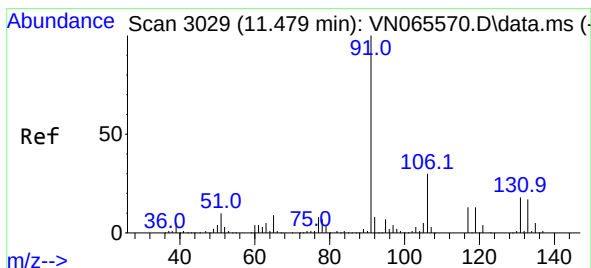
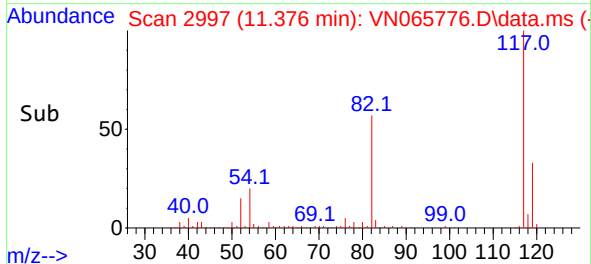
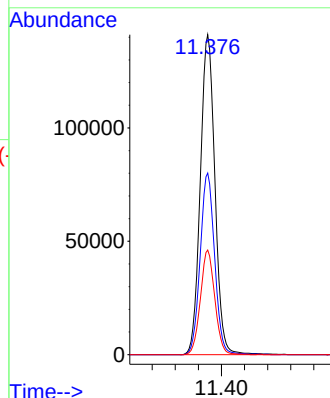
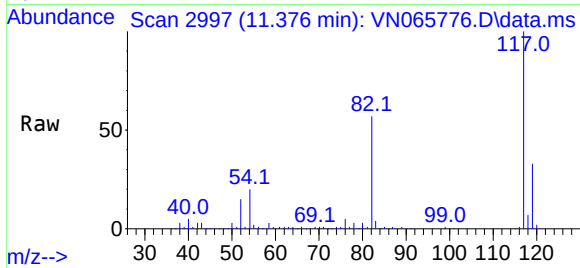




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

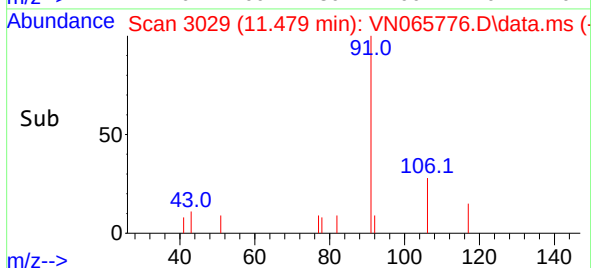
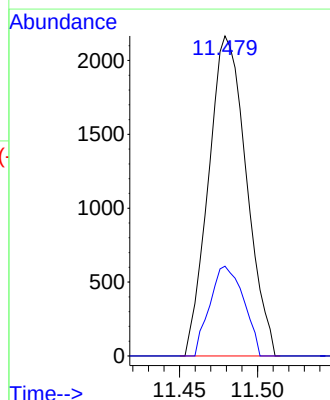
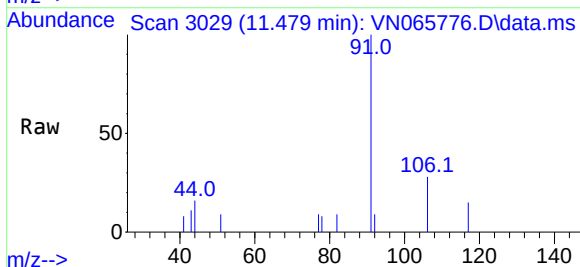
Instrument :
MSVOA_N
ClientSampled :

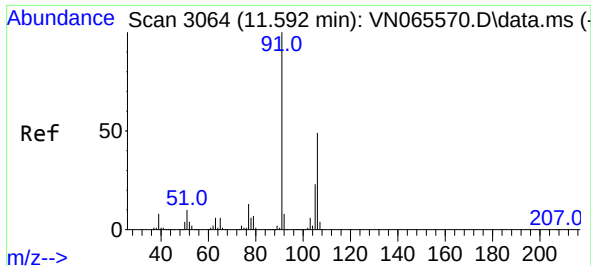
Tgt Ion:117 Resp: 248499
Ion Ratio Lower Upper
117 100
82 56.8 43.7 65.5
119 32.7 26.1 39.1



#67
Ethyl Benzene
Concen: 0.37 ug/l
RT: 11.479 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion: 91 Resp: 3654
Ion Ratio Lower Upper
91 100
106 28.1 25.5 38.3

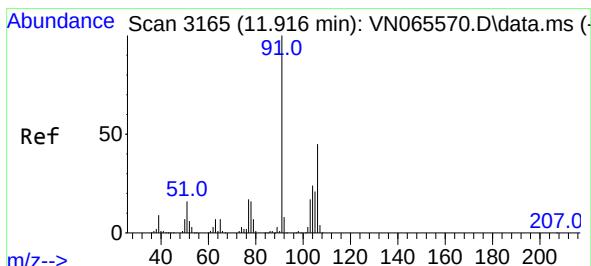
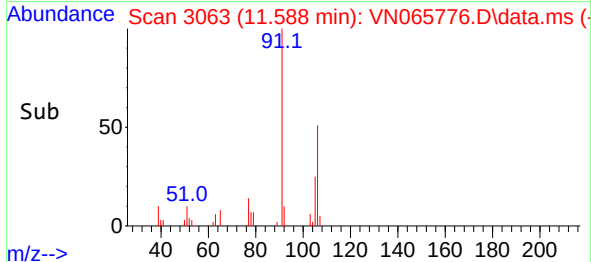
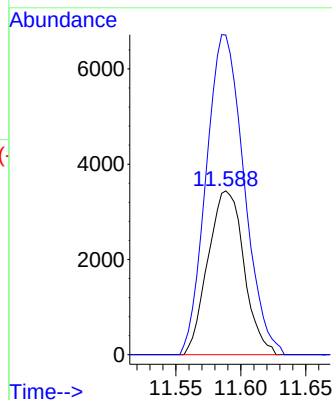
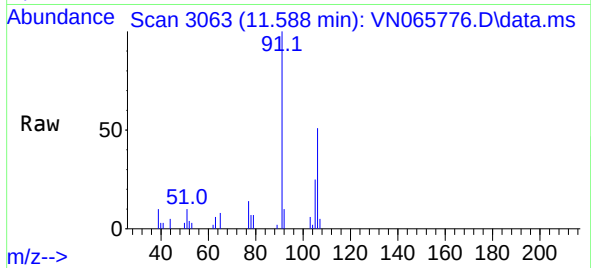




#68
m/p-Xylenes
Concen: 1.88 ug/l
RT: 11.588 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

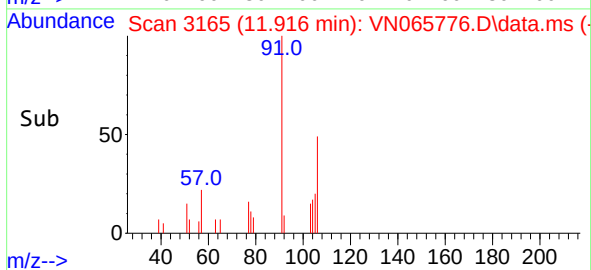
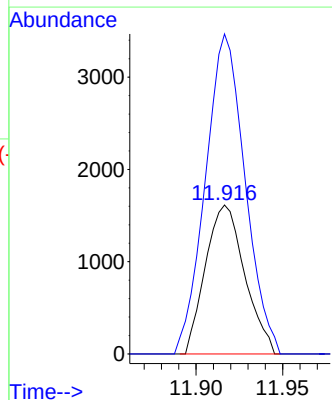
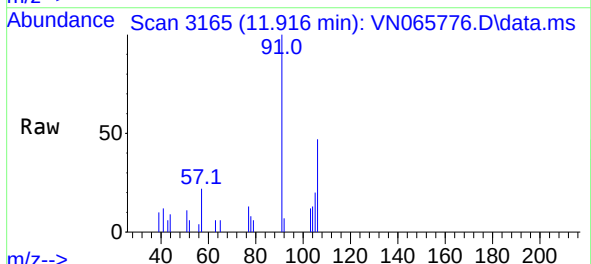
Instrument :
MSVOA_N
ClientSampled :

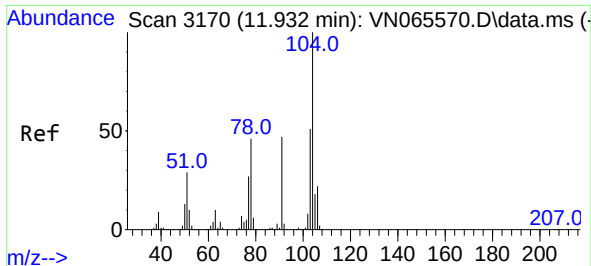
Tgt Ion:106 Resp: 6637
Ion Ratio Lower Upper
106 100
91 204.9 161.4 242.0



#69
o-Xylene
Concen: 0.74 ug/l
RT: 11.916 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

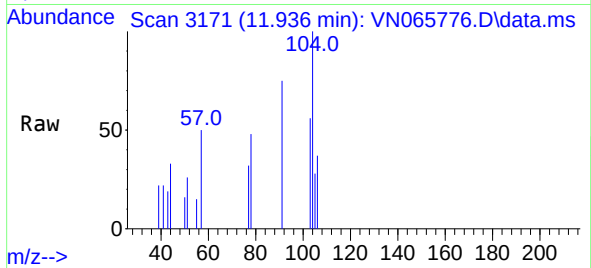
Tgt Ion:106 Resp: 2541
Ion Ratio Lower Upper
106 100
91 217.2 106.8 320.4



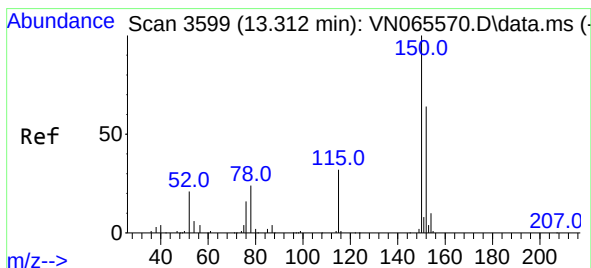
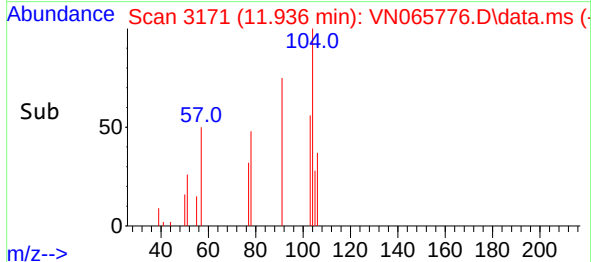
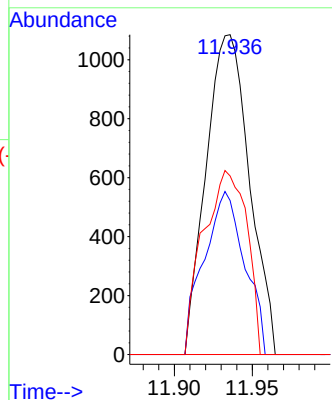


#70
Styrene
Concen: 0.37 ug/l
RT: 11.936 min Scan# 3171
Delta R.T. 0.004 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Instrument :
MSVOA_N
ClientSampled :

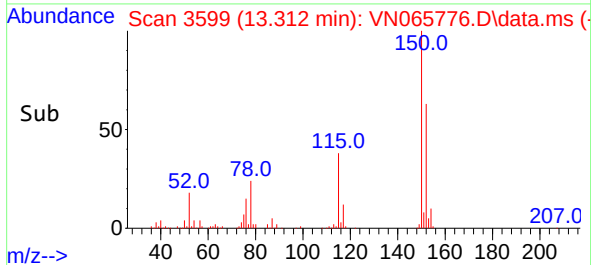
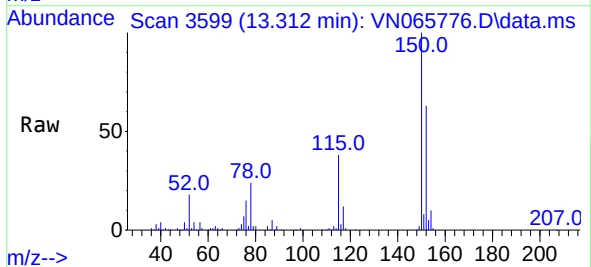
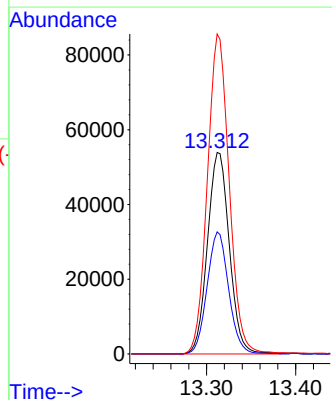


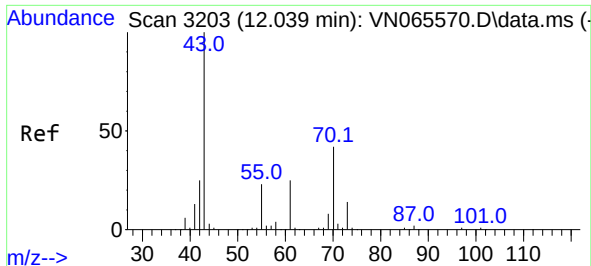
Tgt Ion:104 Resp: 2099
Ion Ratio Lower Upper
104 100
78 48.1 39.0 58.4
103 57.7 44.5 66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion:152 Resp: 92041
Ion Ratio Lower Upper
152 100
115 59.7 28.5 85.6
150 158.6 0.0 347.6

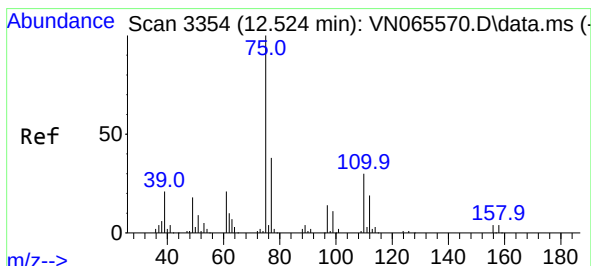
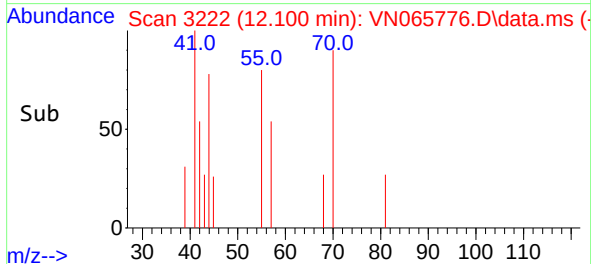
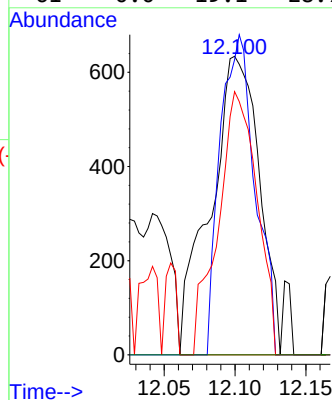
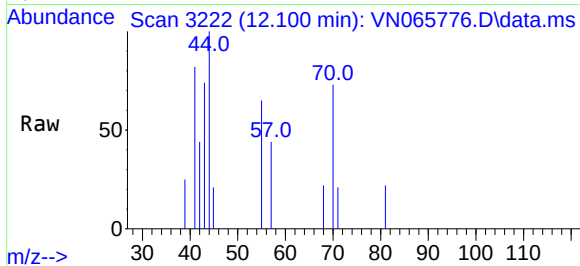




#74
N-amy1 acetate
Concen: 0.45 ug/l
RT: 12.100 min Scan# 3222
Delta R.T. 0.061 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

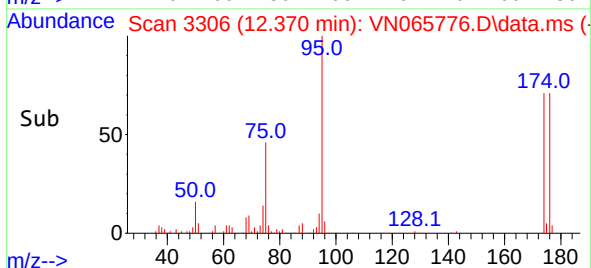
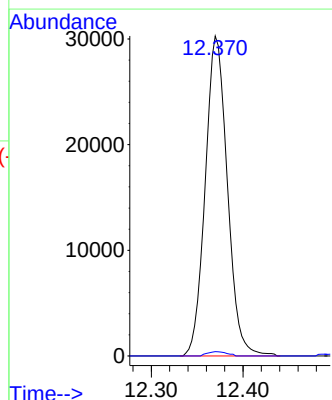
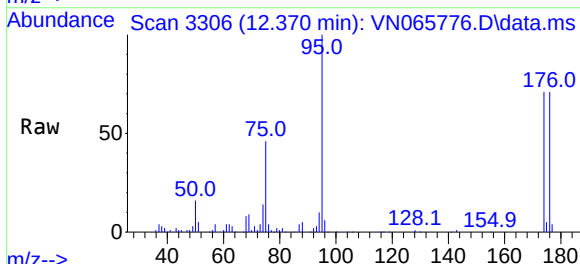
Instrument :
MSVOA_N
ClientSampled :

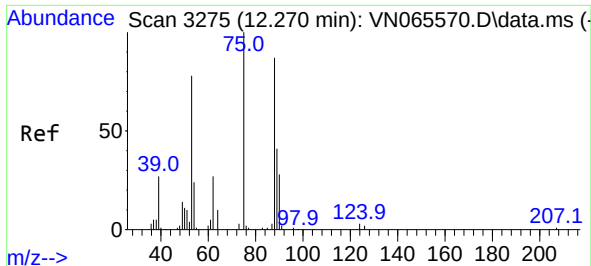
Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
70 76.6 34.4 51.6#
55 70.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 21.10 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.154 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

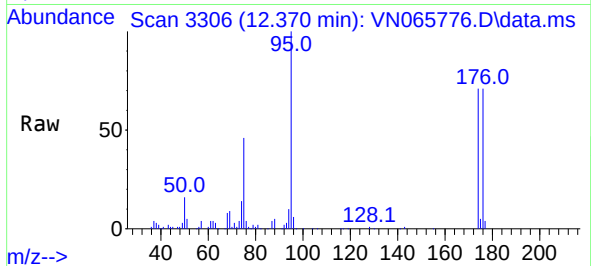
Tgt Ion: 75 Resp: 50792
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



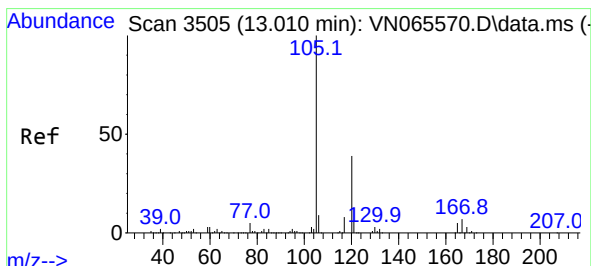
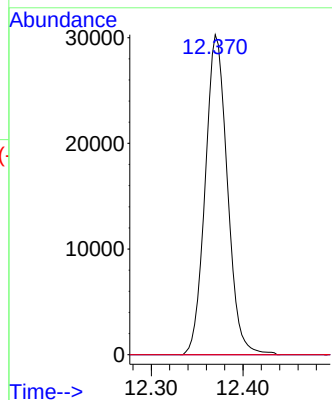
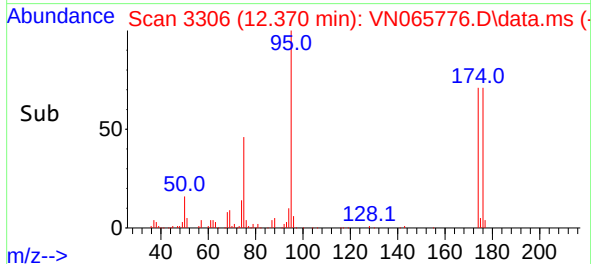


#81
trans-1,4-Dichloro-2-butene
Concen: 54.05 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.100 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

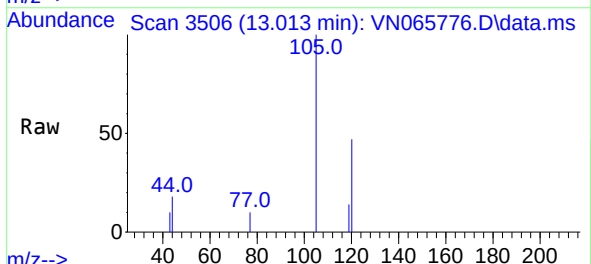
Instrument :
MSVOA_N
ClientSampled :



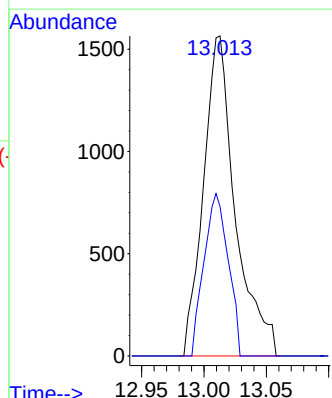
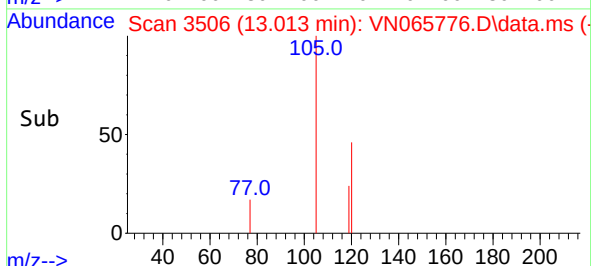
Tgt Ion: 75 Resp: 50792
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

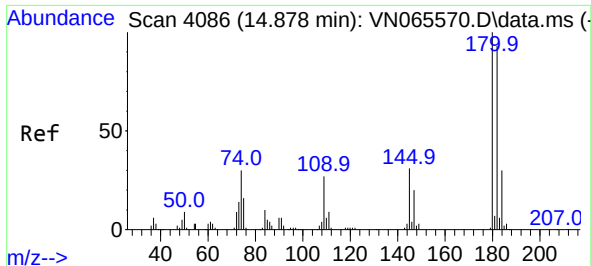


#84
1,2,4-Trimethylbenzene
Concen: 0.41 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06



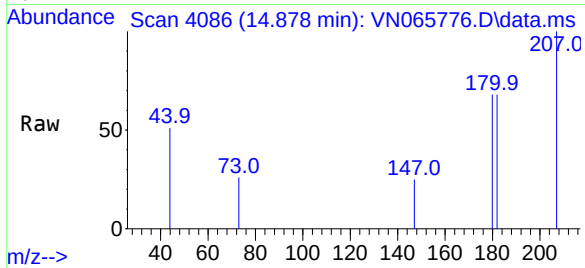
Tgt Ion: 105 Resp: 2778
Ion Ratio Lower Upper
105 100
120 38.4 22.4 67.0



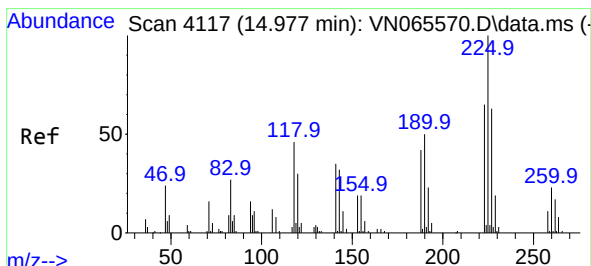
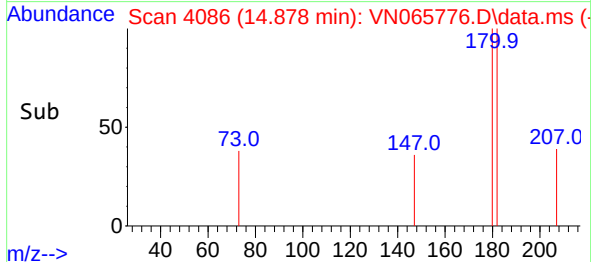
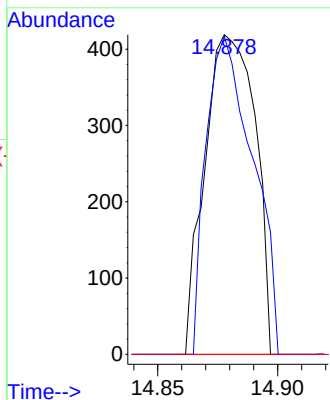


#93
1,2,4-Trichlorobenzene
Concen: 3.67 ug/l
RT: 14.878 min Scan# 4086
Delta R.T. -0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

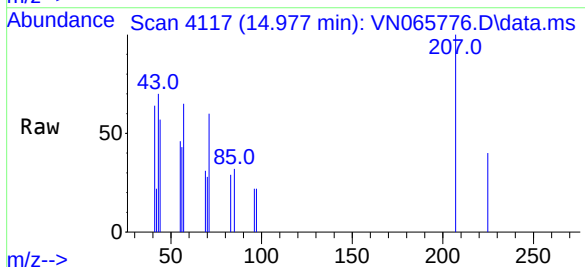
Instrument :
MSVOA_N
ClientSampled :



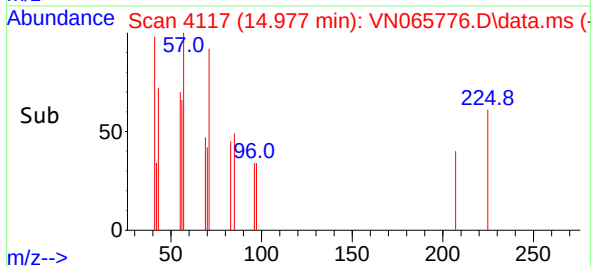
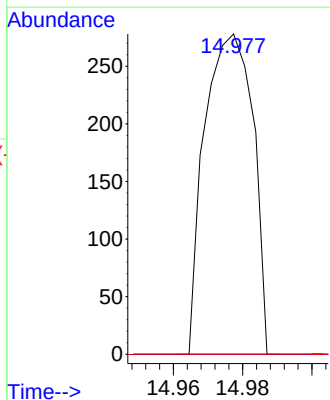
Tgt Ion:180 Resp: 612
Ion Ratio Lower Upper
180 100
182 92.5 47.3 142.0
145 0.0 15.6 46.8#

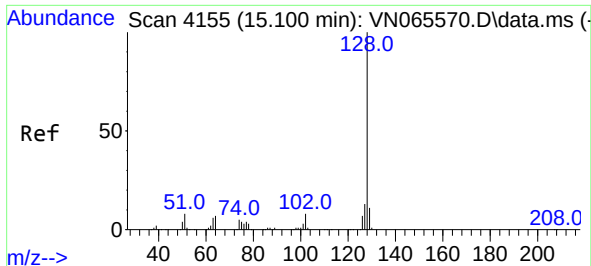


#94
Hexachlorobutadiene
Concen: 0.57 ug/l
RT: 14.977 min Scan# 4117
Delta R.T. 0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06



Tgt Ion:225 Resp: 270
Ion Ratio Lower Upper
225 100
223 0.0 31.9 95.9#
227 0.0 31.6 95.0#

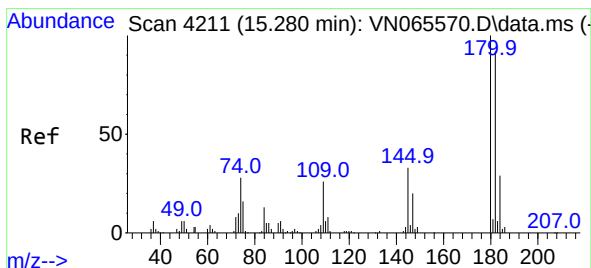
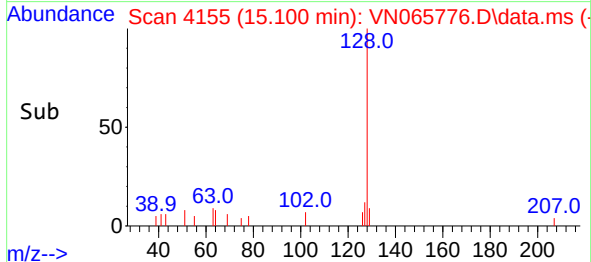
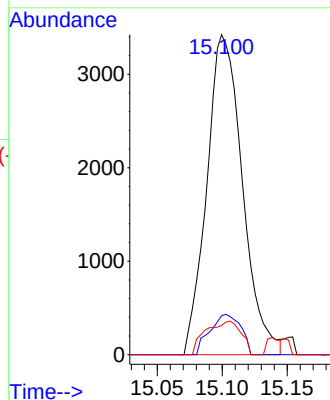
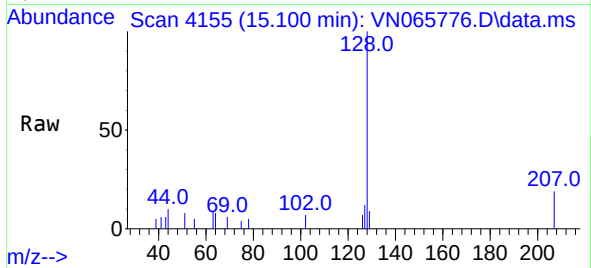




#95
Naphthalene
Concen: 4.47 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 6529
Ion Ratio Lower Upper
128 100
127 10.9 10.2 15.2
129 10.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.26 ug/l
RT: 15.276 min Scan# 4210
Delta R.T. -0.004 min
Lab File: VN065776.D
Acq: 9 Feb 2021 13:06

Tgt Ion:180 Resp: 808
Ion Ratio Lower Upper
180 100
182 85.6 47.4 142.3
145 16.0 16.5 49.5#

