

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075805.D
 Acq On : 15 Dec 2022 07:15
 Operator : JC\MD
 Sample : N6002-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 6N-EFF-1222

Quant Time: Dec 15 07:46:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

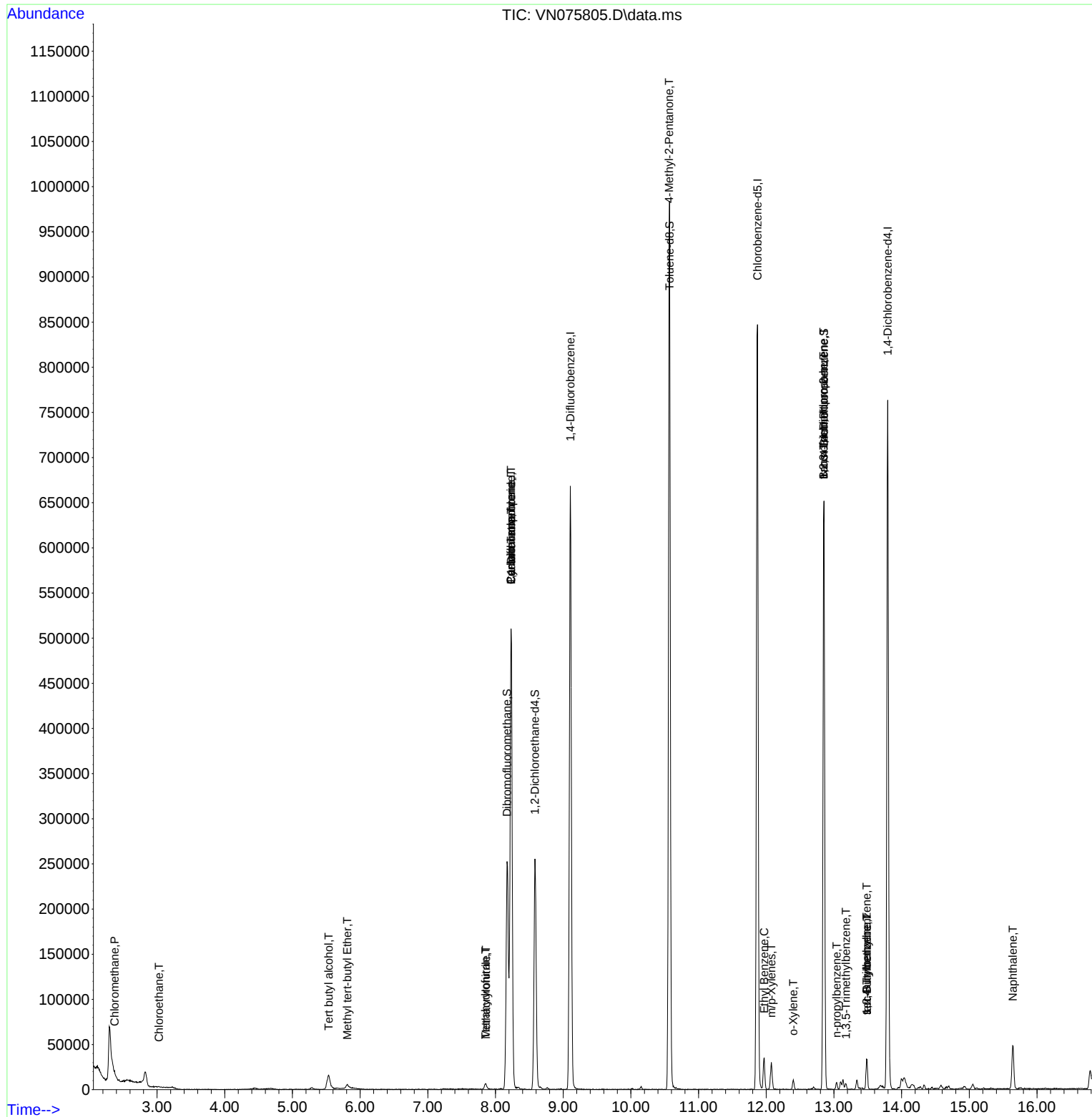
Internal Standards						
1) Pentafluorobenzene	8.230	168	402875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	627599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	531573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	217049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	203679	46.471	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.940%		
35) Dibromofluoromethane	8.171	113	181939	46.812	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.620%		
50) Toluene-d8	10.571	98	706666	48.629	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.260%		
62) 4-Bromofluorobenzene	12.853	95	220541	45.822	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.640%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	739	0.208	ug/l	96
6) Chloroethane	3.030	64	653	0.208	ug/l #	44
11) Tert butyl alcohol	5.536	59	29172	47.038	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	6361	0.541	ug/l	98
29) Tetrahydrofuran	7.853	42	4572	3.449	ug/l	96
31) Cyclohexane	8.230	56	8134	1.296	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	27252	5.278	ug/l #	49
38) Carbon Tetrachloride	8.230	117	38648	6.688	ug/l #	17
41) Methacrylonitrile	7.859	41	2289	1.062	ug/l #	40
51) 4-Methyl-2-Pentanone	10.565	43	2595	0.627	ug/l #	1
67) Ethyl Benzene	11.971	91	26517	1.440	ug/l	98
68) m/p-Xylenes	12.076	106	9738	1.336	ug/l	88
69) o-Xylene	12.400	106	3312	0.459	ug/l	99
71) Bromoform	12.847	173	1287	0.438	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	111128	25.400	ug/l #	1
78) n-propylbenzene	13.041	91	6973	0.403	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	3401	0.259	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.847	75	111128	91.426	ug/l #	12
83) tert-Butylbenzene	13.488	119	2843	0.246	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.482	105	20839	1.600	ug/l	96
85) sec-Butylbenzene	13.482	105	20839	1.304	ug/l #	56
95) Naphthalene	15.641	128	49653	6.198	ug/l	99

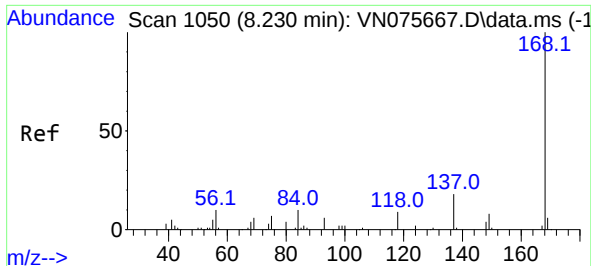
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
Data File : VN075805.D
Acq On : 15 Dec 2022 07:15
Operator : JC\MD
Sample : N6002-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

Quant Time: Dec 15 07:46:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

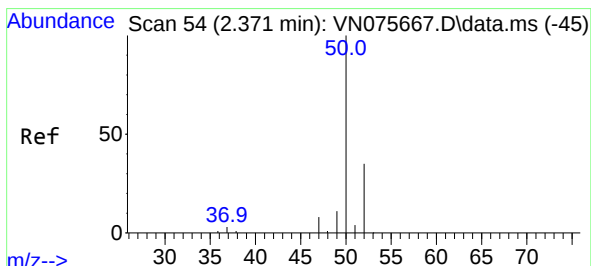
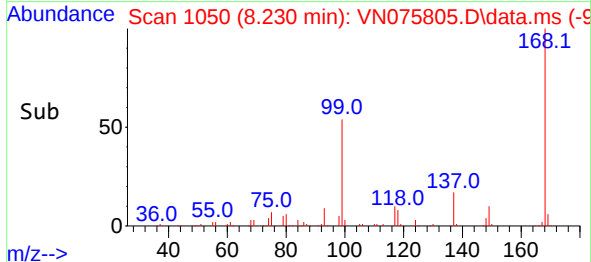
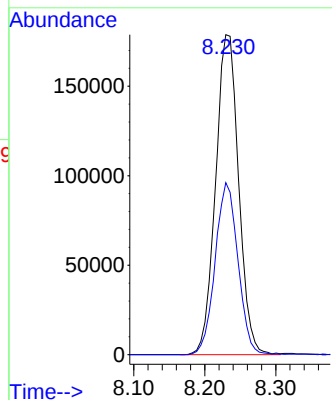
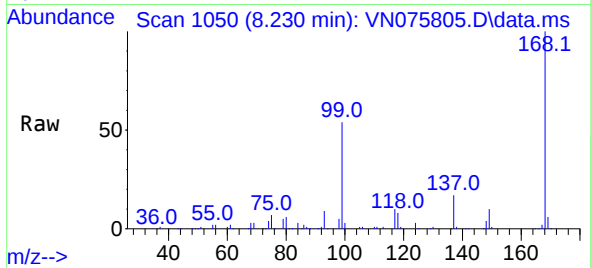




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

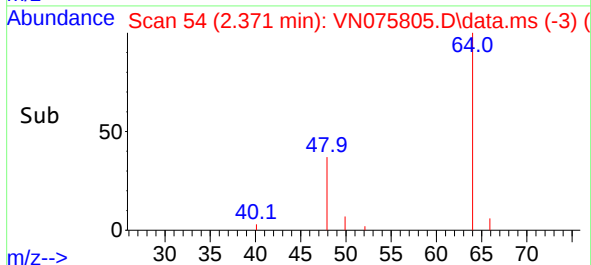
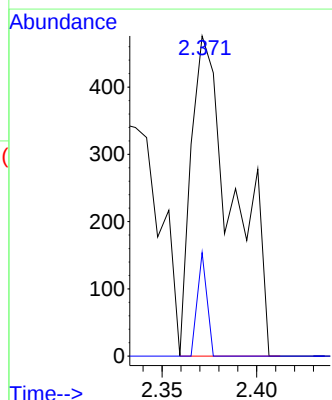
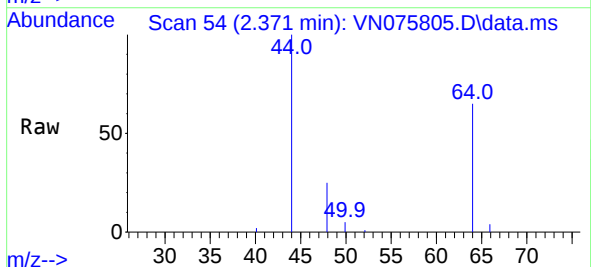
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

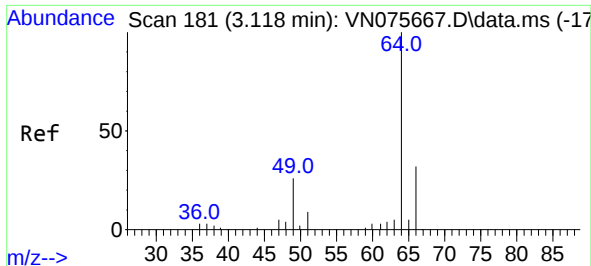
Tgt Ion:168 Resp: 402875
Ion Ratio Lower Upper
168 100
99 53.7 44.2 66.4



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion: 50 Resp: 739
Ion Ratio Lower Upper
50 100
52 32.4 27.7 41.5

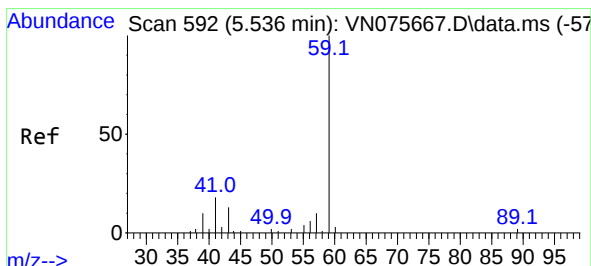
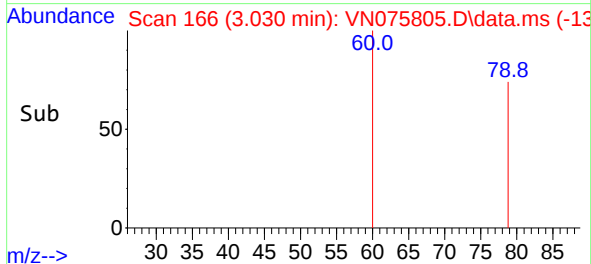
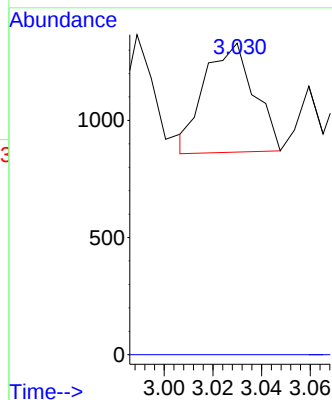
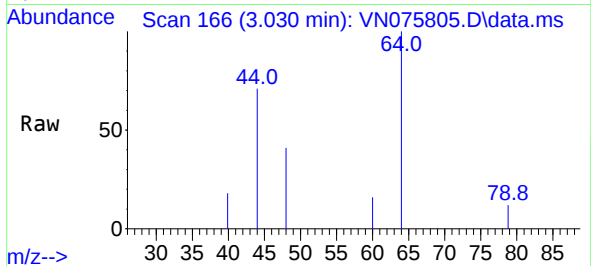




#6
Chloroethane
Concen: 0.208 ug/l
RT: 3.030 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

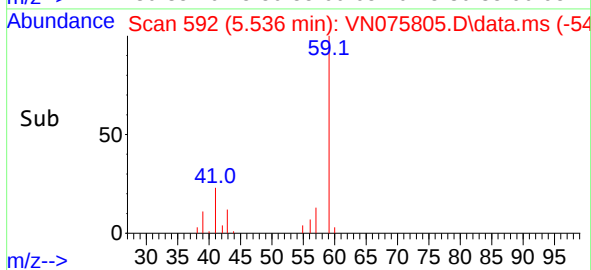
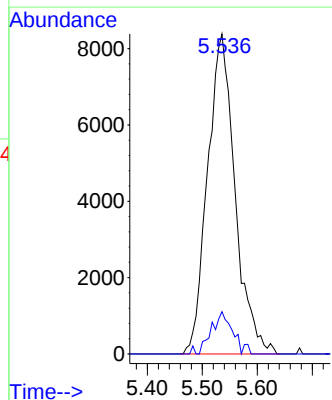
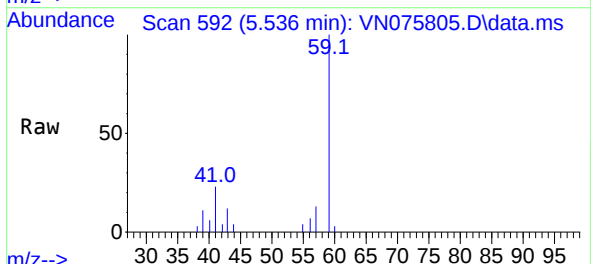
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

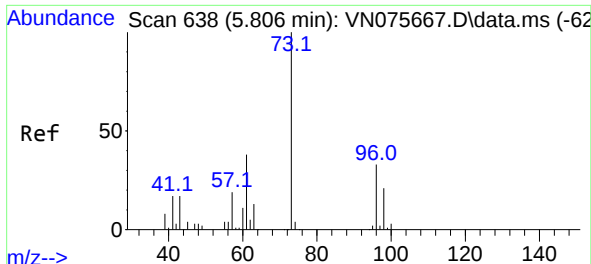
Tgt Ion: 64 Resp: 653
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#11
Tert butyl alcohol
Concen: 47.038 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion: 59 Resp: 29172
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

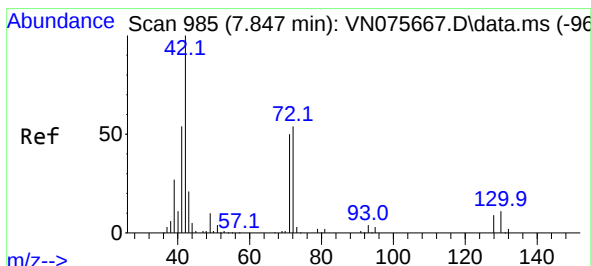
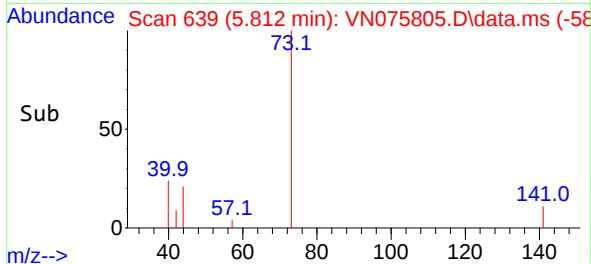
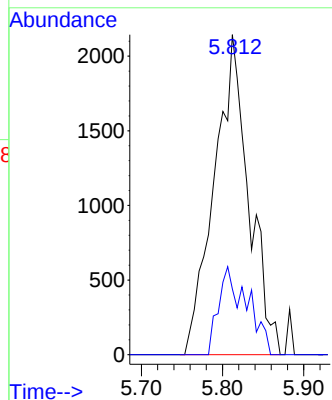
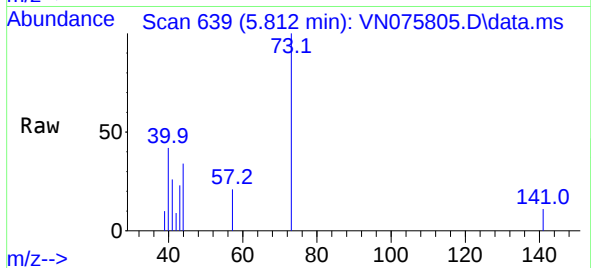




#19
Methyl tert-butyl Ether
Concen: 0.541 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

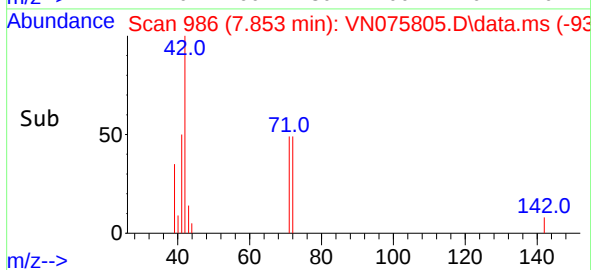
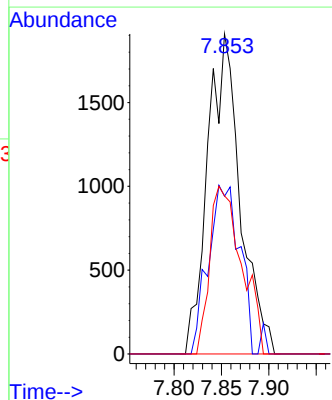
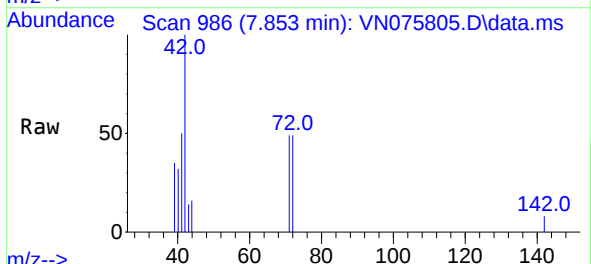
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

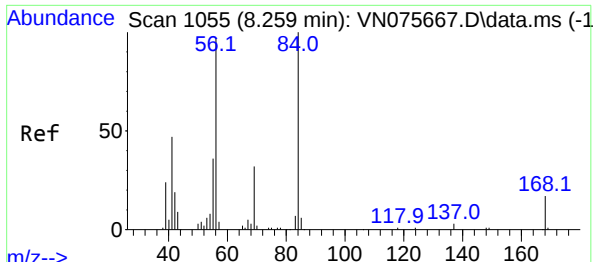
Tgt Ion: 73 Resp: 6361
Ion Ratio Lower Upper
73 100
57 20.6 17.1 25.7



#29
Tetrahydrofuran
Concen: 3.449 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.012 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

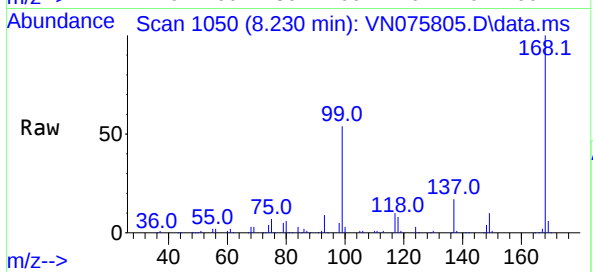
Tgt Ion: 42 Resp: 4572
Ion Ratio Lower Upper
42 100
72 50.8 44.5 66.7
71 51.0 41.0 61.6



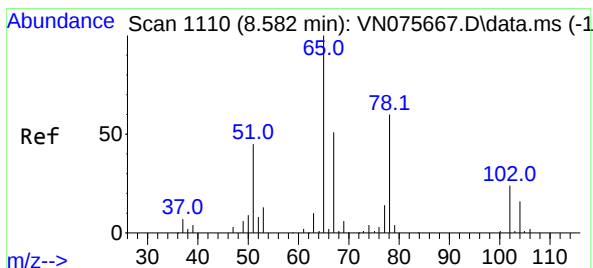
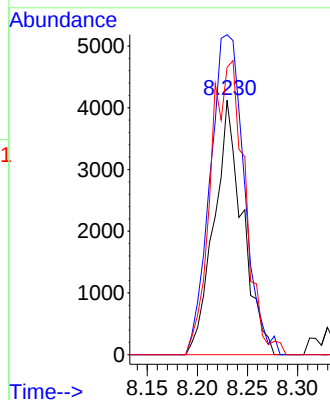
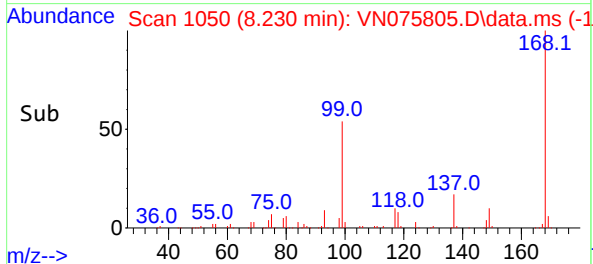


#31
Cyclohexane
Concen: 1.296 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

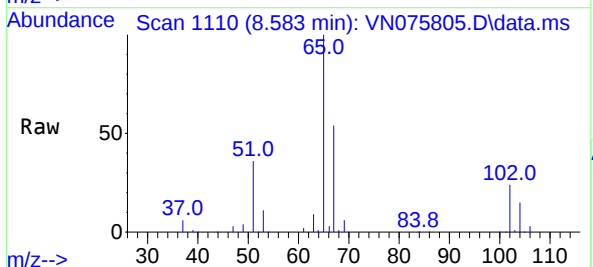
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222



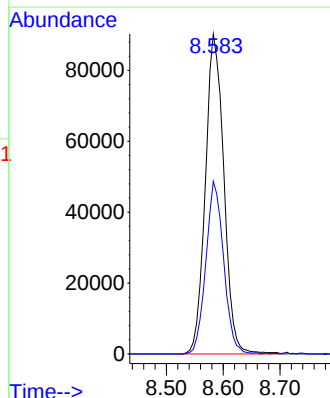
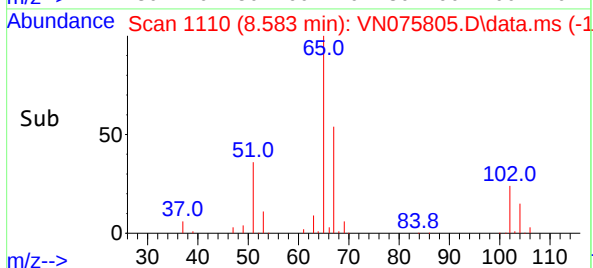
Tgt Ion: 56 Resp: 8134
Ion Ratio Lower Upper
56 100
69 125.8 24.7 37.1#
84 113.0 76.5 114.7

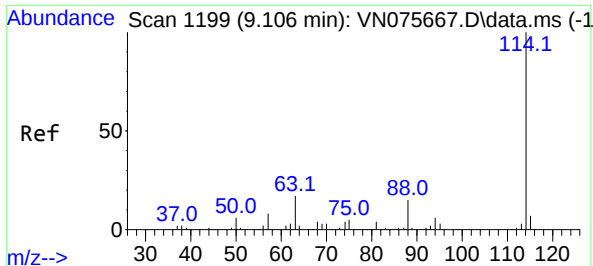


#33
1,2-Dichloroethane-d4
Concen: 46.471 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15



Tgt Ion: 65 Resp: 203679
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4

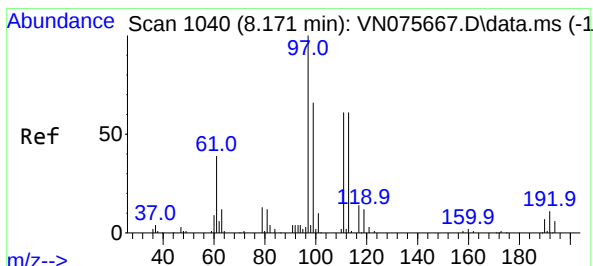
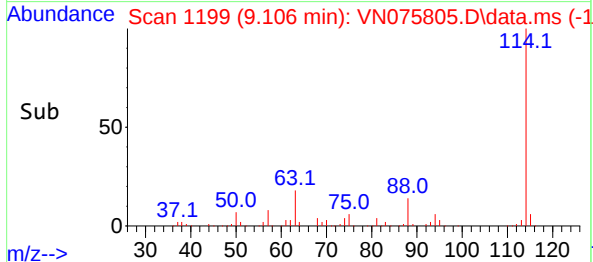
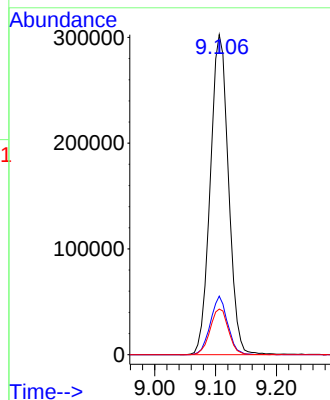
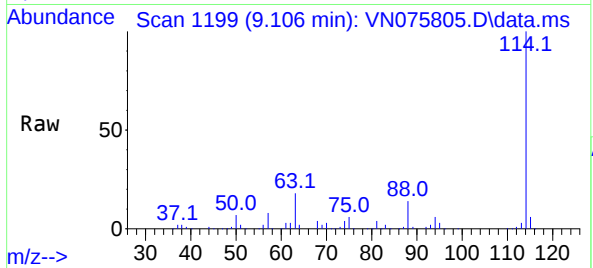




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

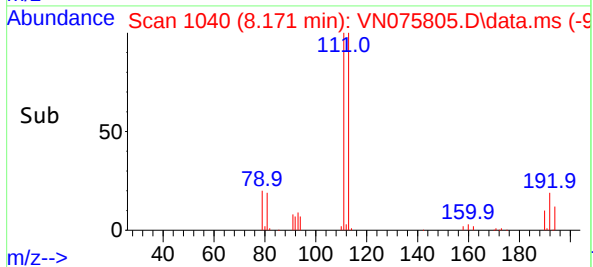
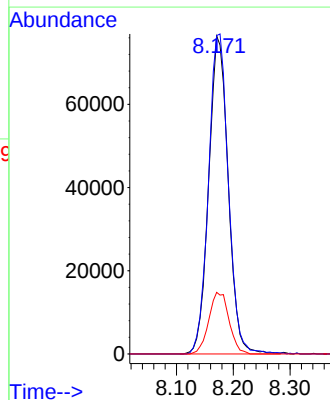
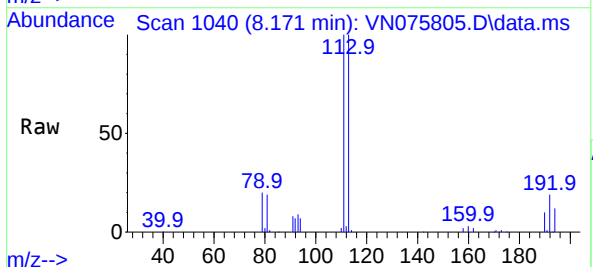
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

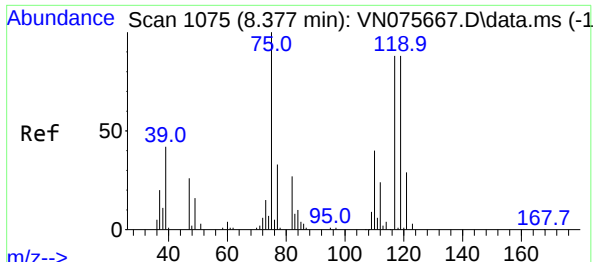
Tgt Ion:114 Resp: 627599
Ion Ratio Lower Upper
114 100
63 18.3 0.0 34.4
88 14.2 0.0 28.8



#35
Dibromofluoromethane
Concen: 46.812 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion:113 Resp: 181939
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.2
192 20.1 16.1 24.1

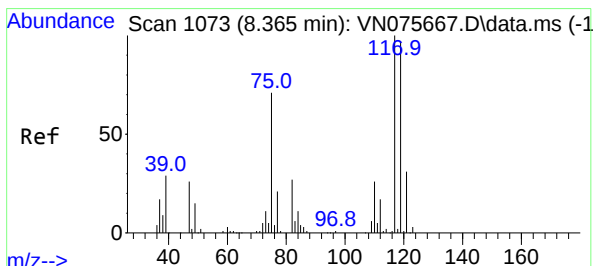
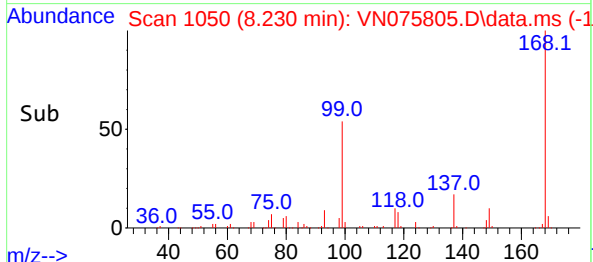
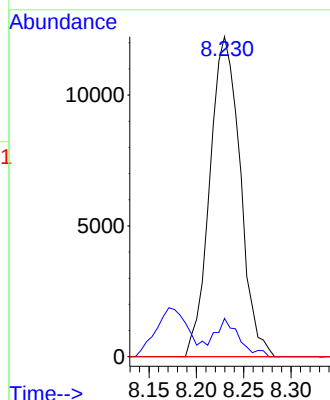
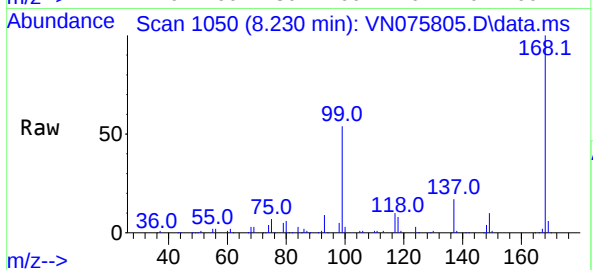




#36
1,1-Dichloropropene
Concen: 5.278 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

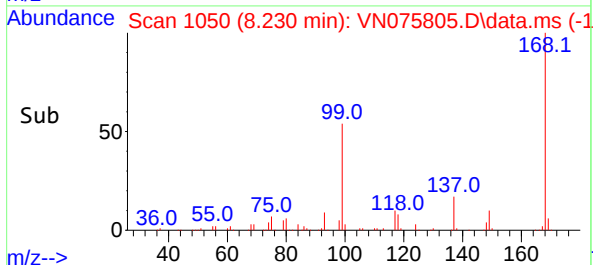
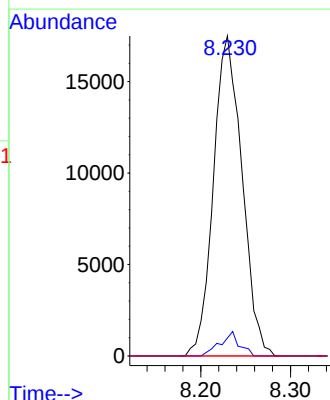
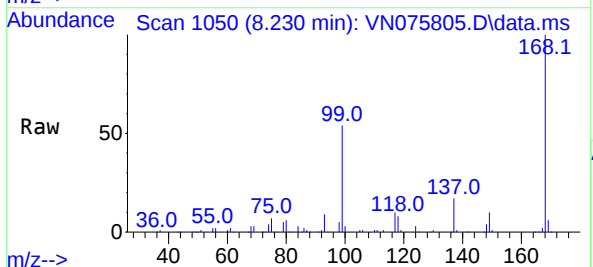
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

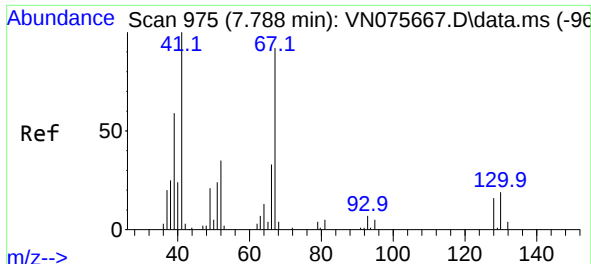
Tgt Ion: 75 Resp: 27252
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion: 117 Resp: 38648
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.5 36.7#

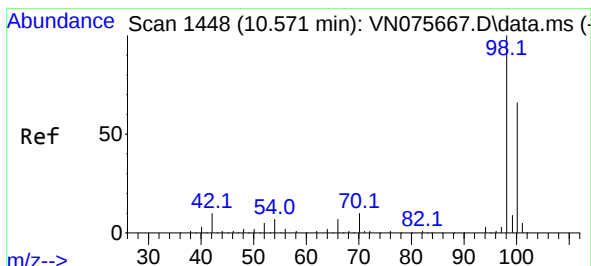
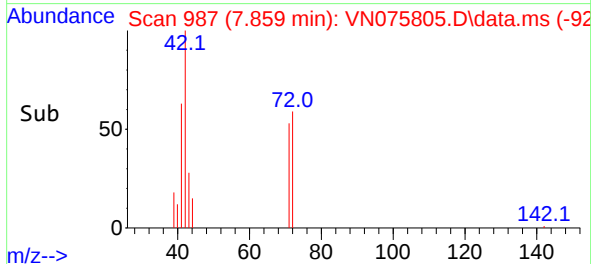
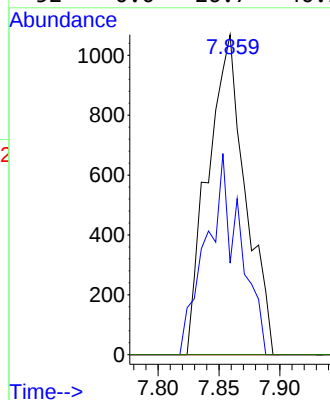
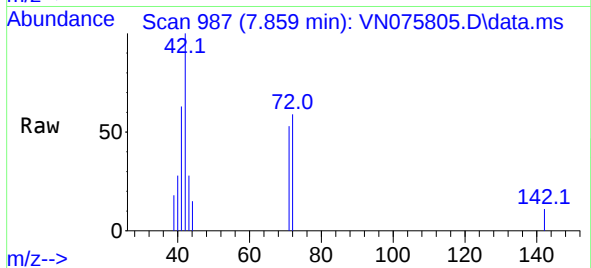




#41
Methacrylonitrile
Concen: 1.062 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.077 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

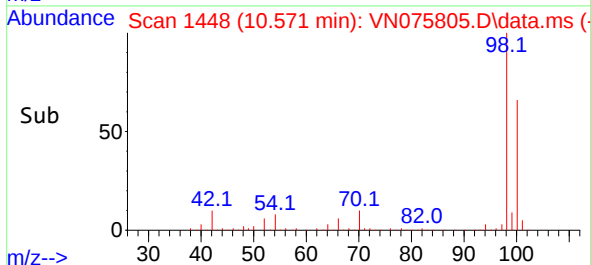
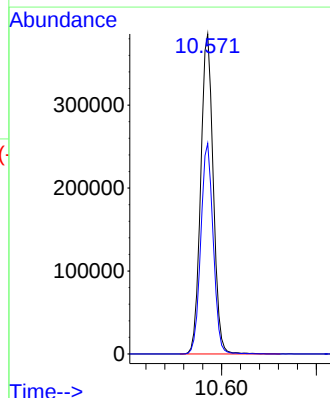
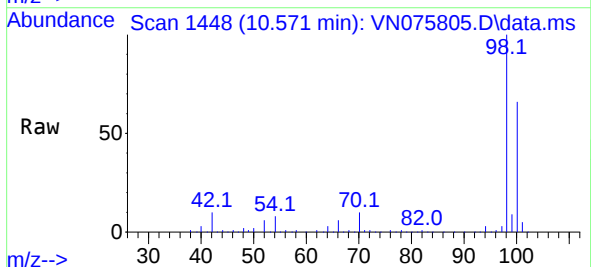
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

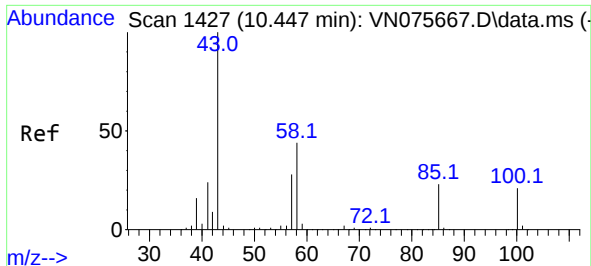
Tgt Ion: 41 Resp: 2289
Ion Ratio Lower Upper
41 100
39 56.7 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#50
Toluene-d8
Concen: 48.629 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion: 98 Resp: 706666
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.627 ug/l

RT: 10.565 min Scan# 1427

Delta R.T. 0.118 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

Instrument :

MSVOA_N

ClientSampleId :

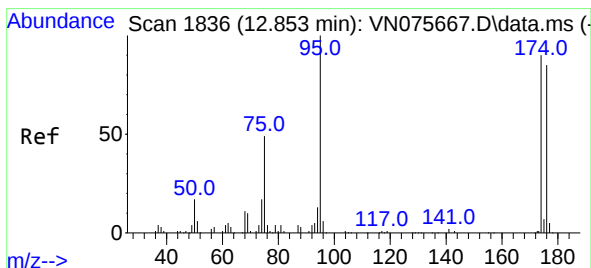
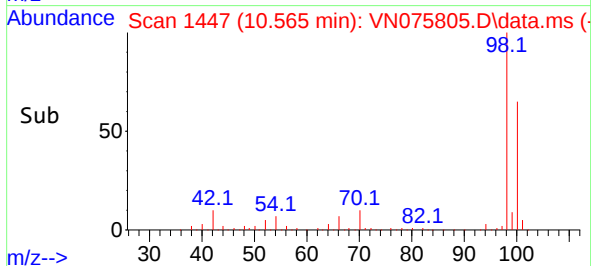
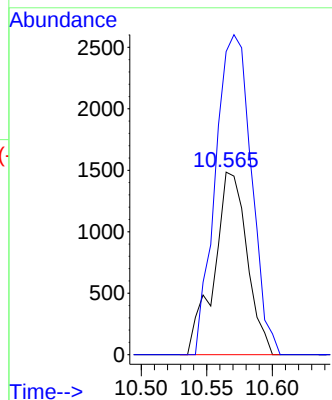
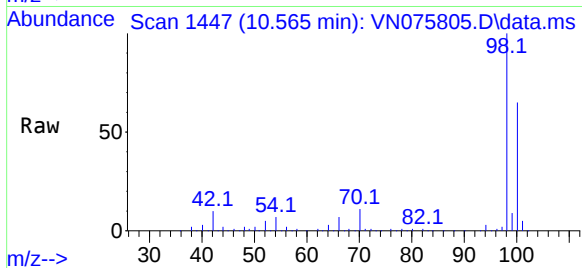
6N-EFF-1222

Tgt Ion: 43 Resp: 2595

Ion Ratio Lower Upper

43 100

58 191.1 35.5 53.3#



#62

4-Bromofluorobenzene

Concen: 45.822 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

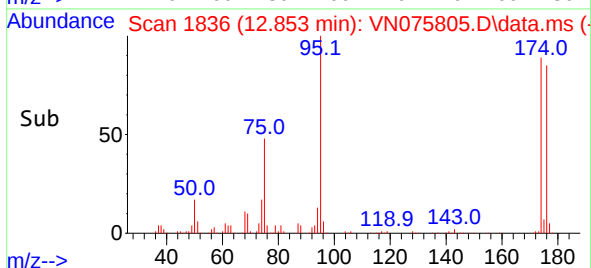
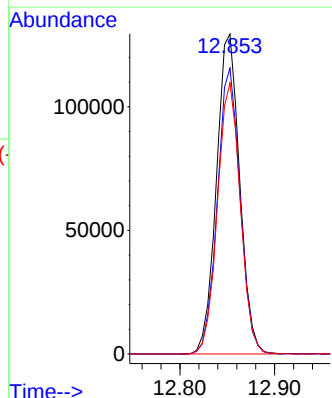
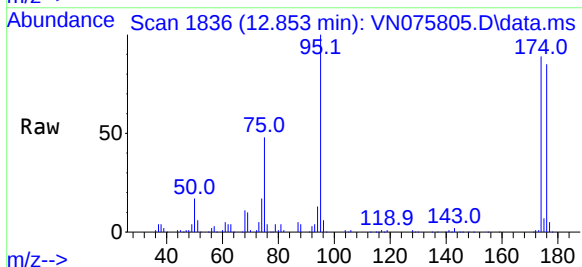
Tgt Ion: 95 Resp: 220541

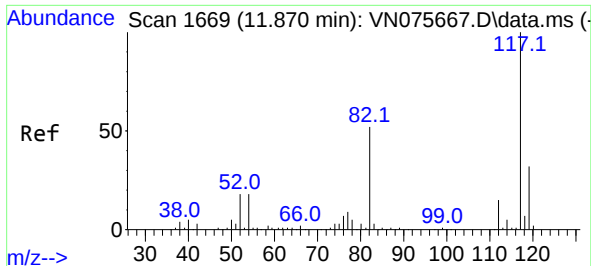
Ion Ratio Lower Upper

95 100

174 87.5 0.0 171.6

176 83.4 0.0 169.2

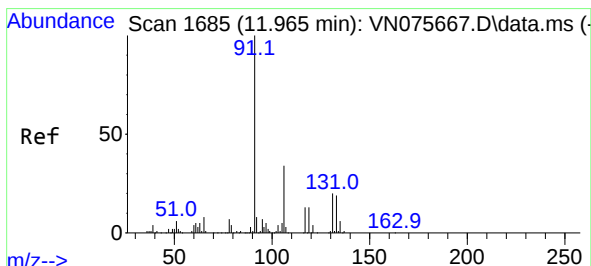
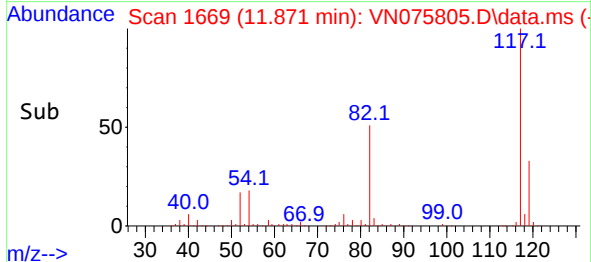
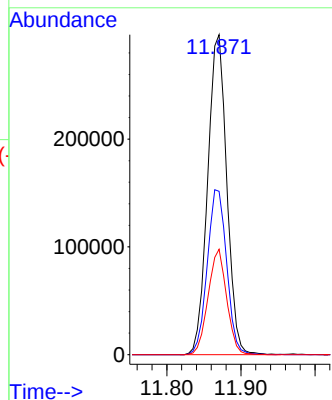
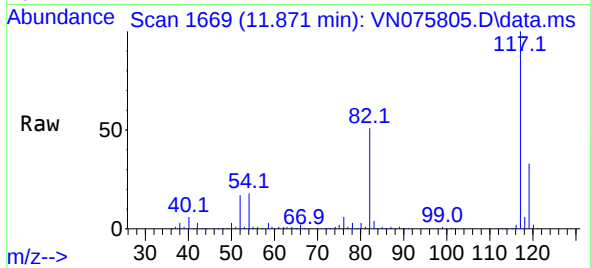




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

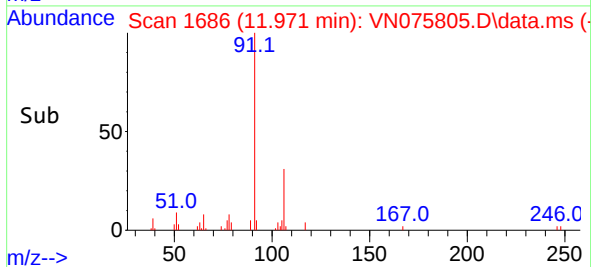
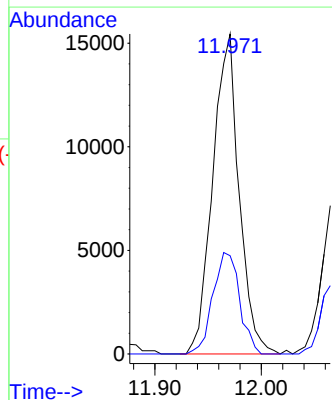
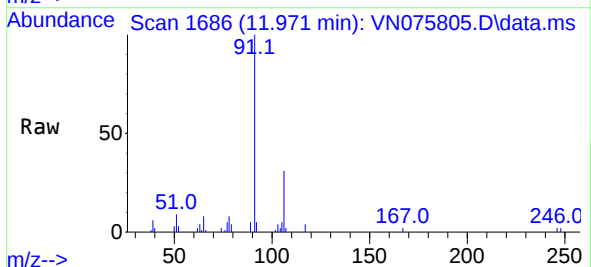
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

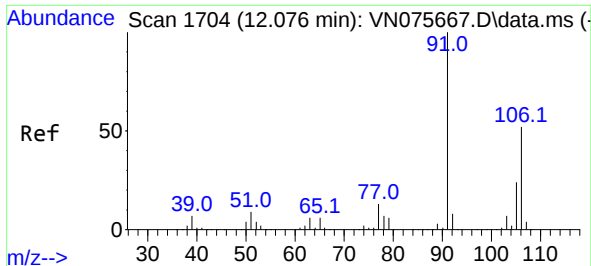
Tgt Ion:117 Resp: 531573
Ion Ratio Lower Upper
117 100
82 51.1 41.3 61.9
119 33.0 24.6 37.0



#67
Ethyl Benzene
Concen: 1.440 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion: 91 Resp: 26517
Ion Ratio Lower Upper
91 100
106 30.7 25.7 38.5

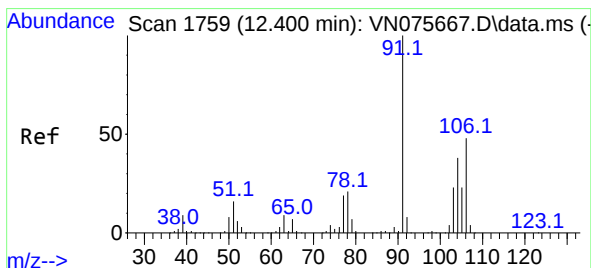
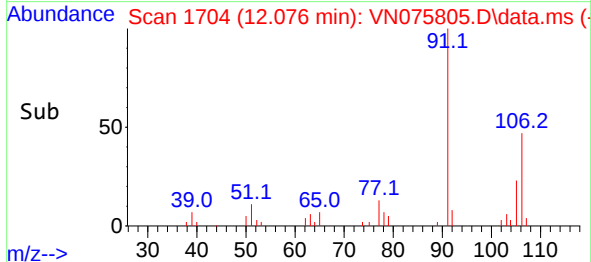
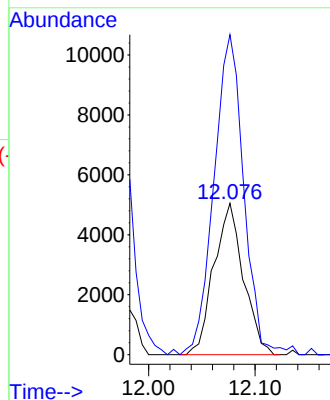
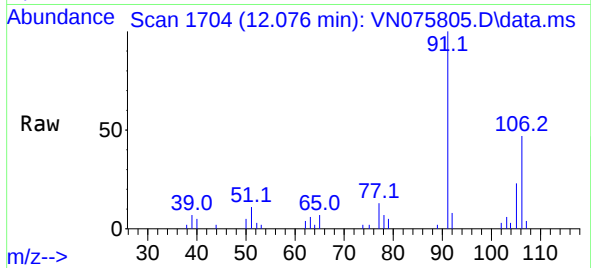




#68
m/p-Xylenes
Concen: 1.336 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

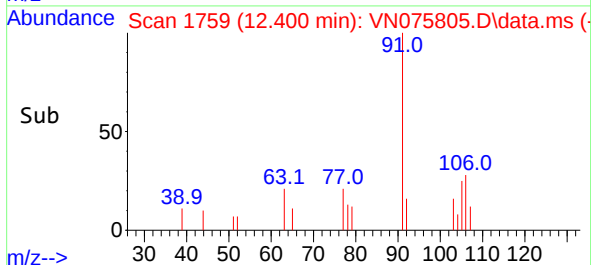
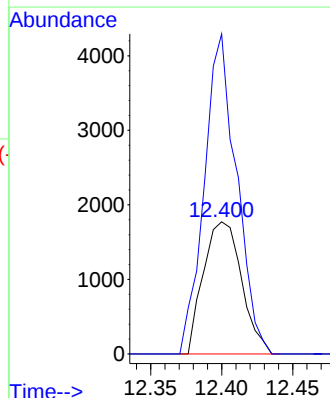
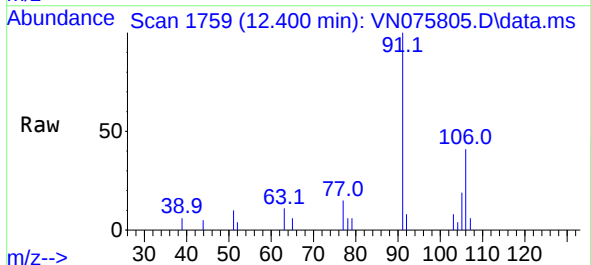
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

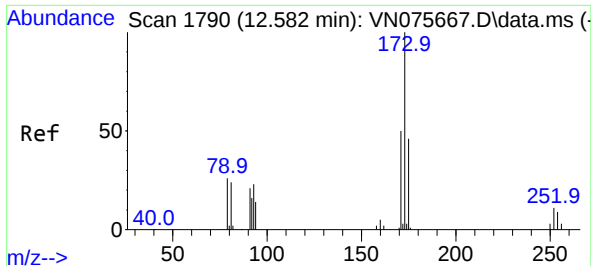
Tgt Ion:106 Resp: 9738
Ion Ratio Lower Upper
106 100
91 214.1 156.6 235.0



#69
o-Xylene
Concen: 0.459 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion:106 Resp: 3312
Ion Ratio Lower Upper
106 100
91 205.6 103.8 311.6





#71

Bromoform

Concen: 0.438 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

Instrument :

MSVOA_N

ClientSampleId :

6N-EFF-1222

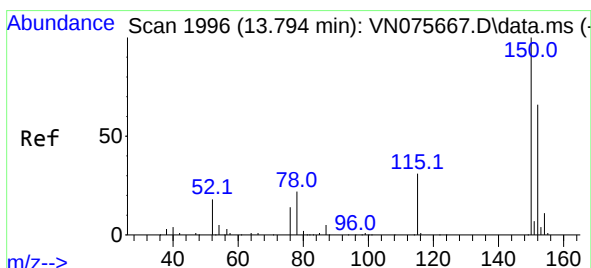
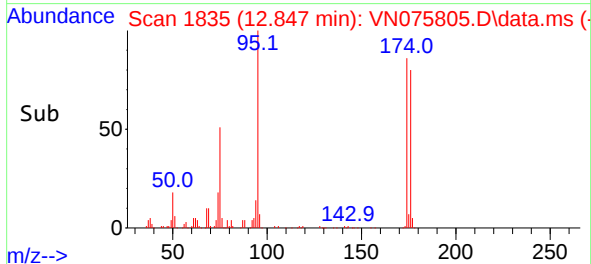
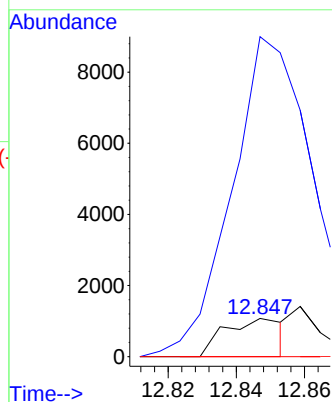
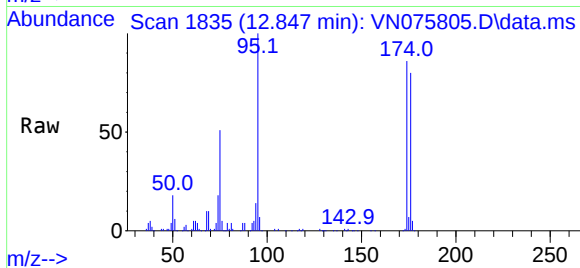
Tgt Ion:173 Resp: 1287

Ion Ratio Lower Upper

173 100

175 965.2 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN075805.D

Acq: 15 Dec 2022 07:15

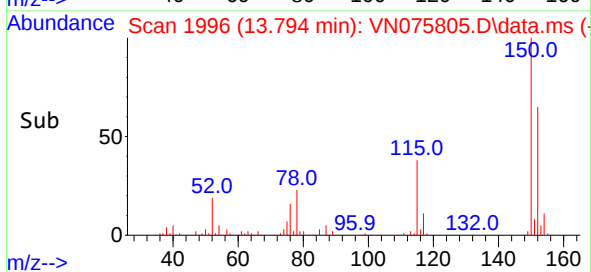
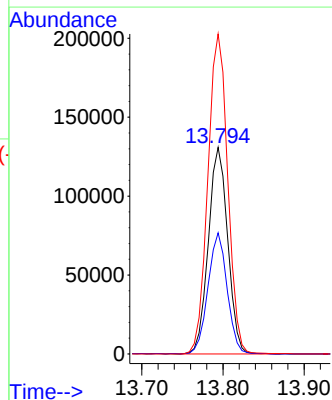
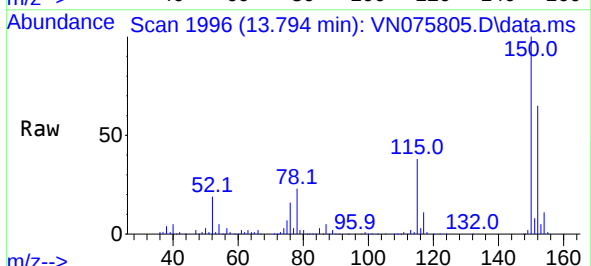
Tgt Ion:152 Resp: 217049

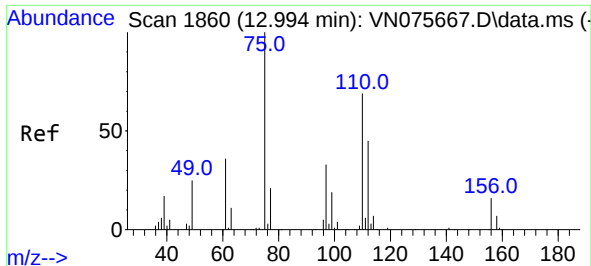
Ion Ratio Lower Upper

152 100

115 58.1 29.1 87.4

150 158.6 0.0 347.0

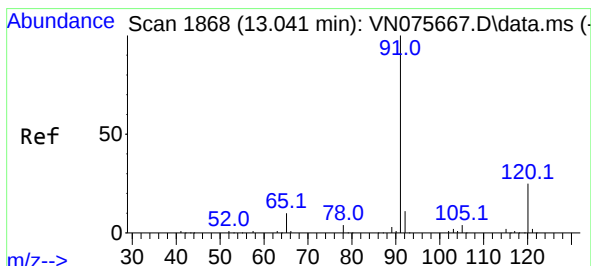
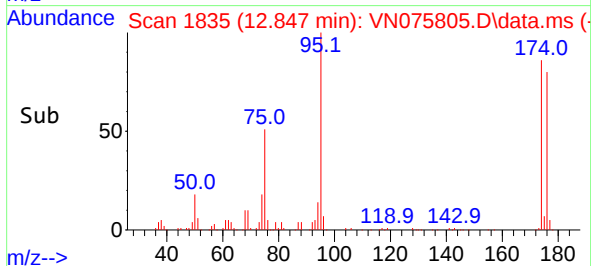
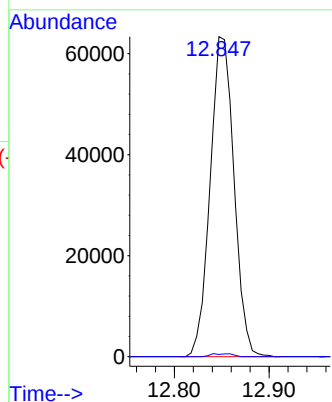
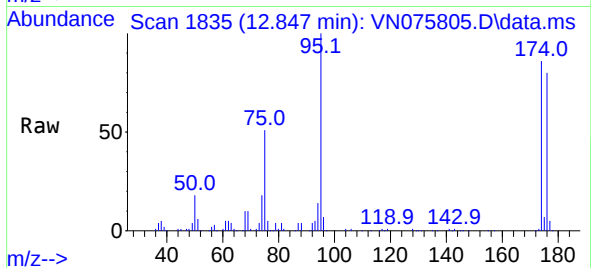




#76
1,2,3-Trichloropropane
Concen: 25.400 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

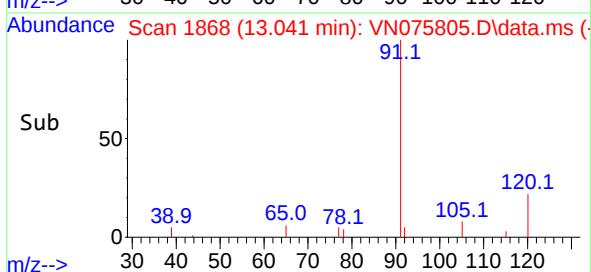
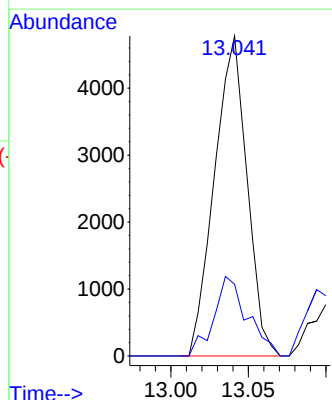
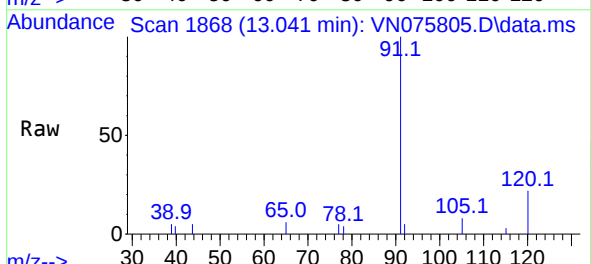
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

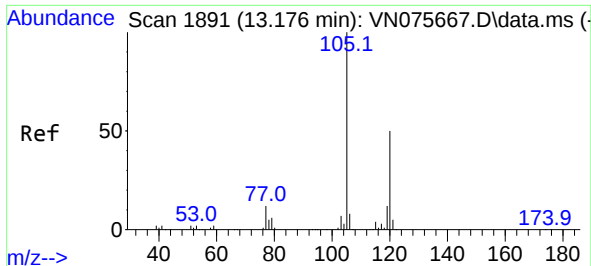
Tgt Ion: 75 Resp: 111128
Ion Ratio Lower Upper
75 100
77 0.8 82.6 247.8#



#78
n-propylbenzene
Concen: 0.403 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion: 91 Resp: 6973
Ion Ratio Lower Upper
91 100
120 25.7 12.0 36.1

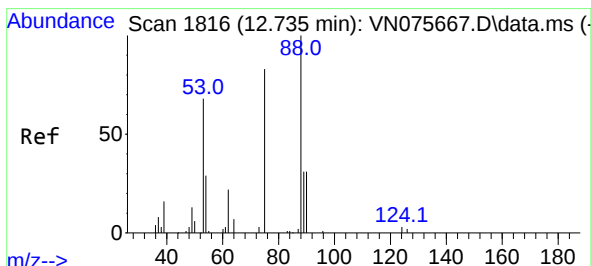
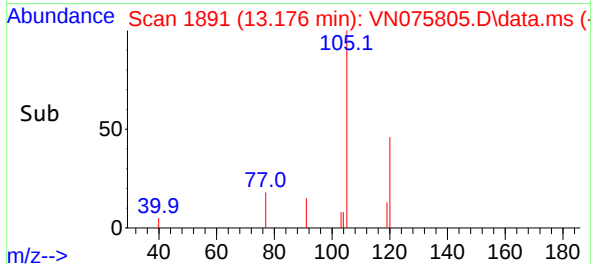
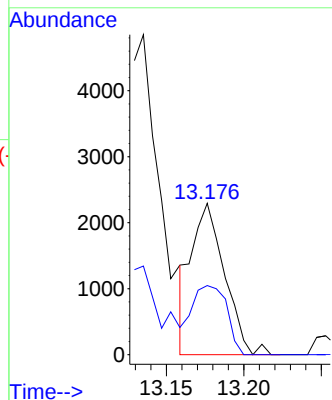
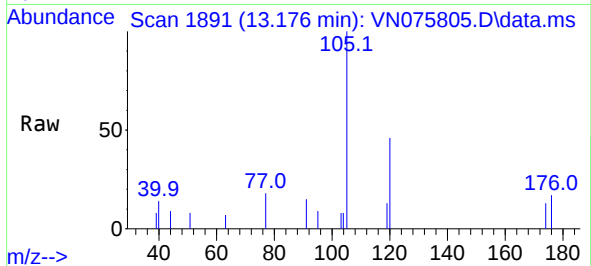




#80
1,3,5-Trimethylbenzene
Concen: 0.259 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

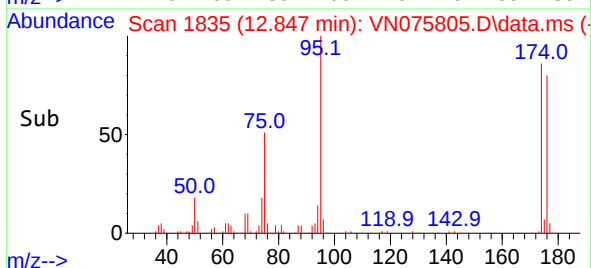
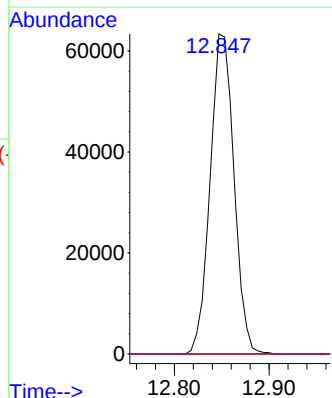
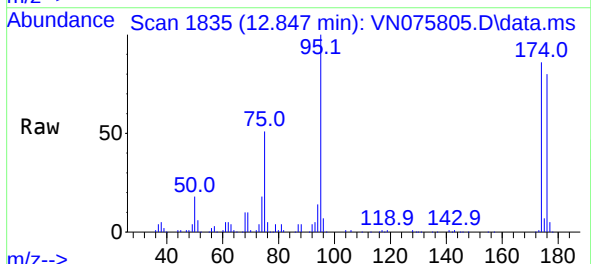
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

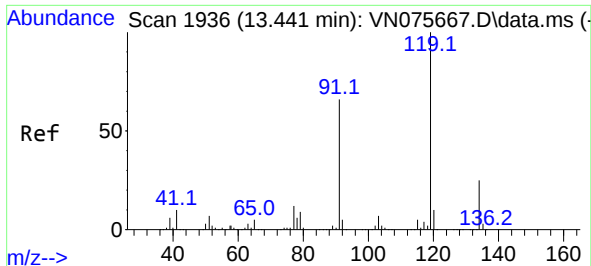
Tgt Ion:105 Resp: 3401
Ion Ratio Lower Upper
105 100
120 48.5 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 91.426 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion: 75 Resp: 111128
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

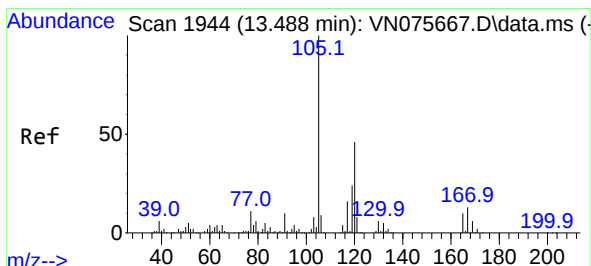
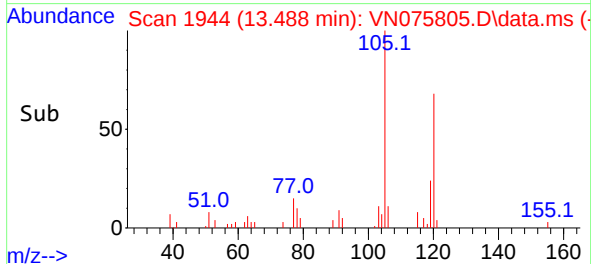
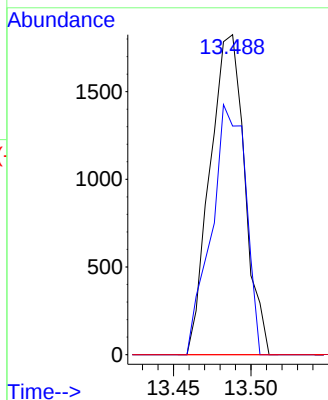
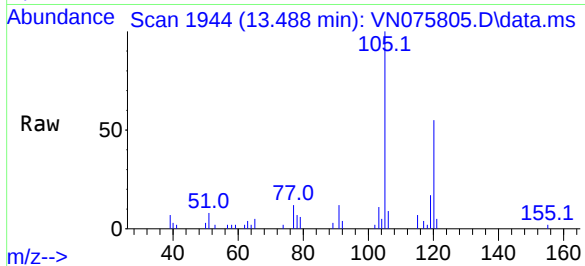




#83
tert-Butylbenzene
Concen: 0.246 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.047 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

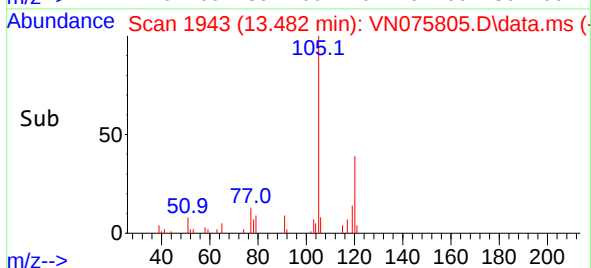
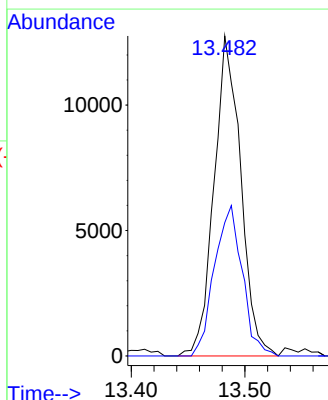
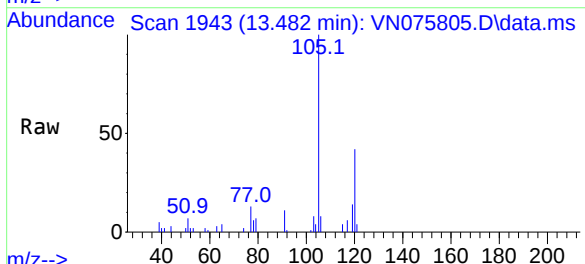
Instrument :
MSVOA_N
ClientSampleId :
6N-EFF-1222

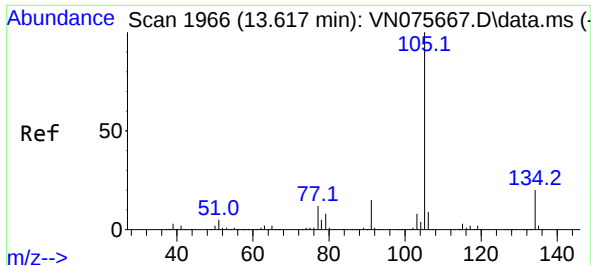
Tgt Ion:119 Resp: 2843
Ion Ratio Lower Upper
119 100
91 77.1 31.9 95.5
134 0.0 13.8 41.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.600 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075805.D
Acq: 15 Dec 2022 07:15

Tgt Ion:105 Resp: 20839
Ion Ratio Lower Upper
105 100
120 49.0 23.3 69.8

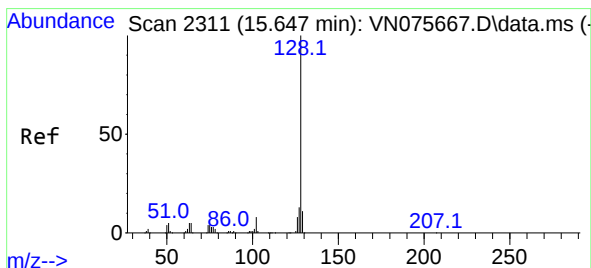
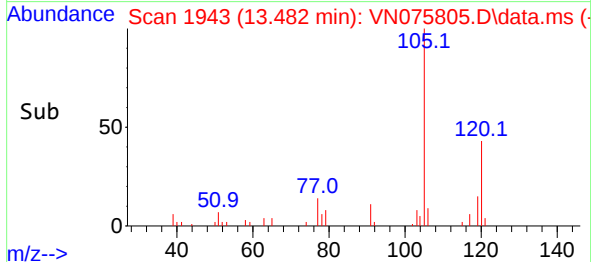
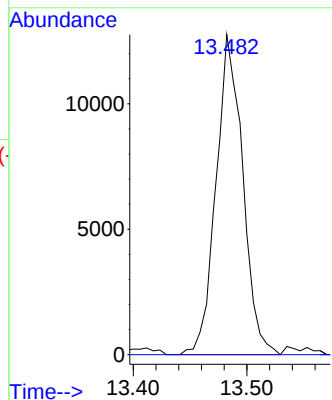
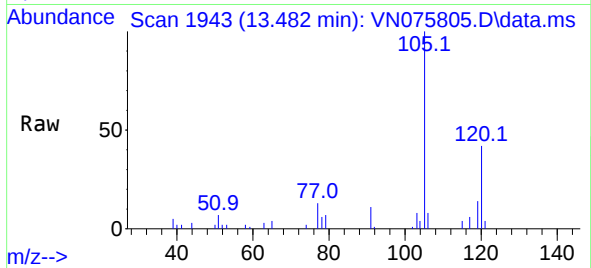




#85
 sec-Butylbenzene
 Concen: 1.304 ug/l
 RT: 13.482 min Scan# 1966
 Delta R.T. -0.135 min
 Lab File: VN075805.D
 Acq: 15 Dec 2022 07:15

Instrument :
 MSVOA_N
 ClientSampleId :
 6N-EFF-1222

Tgt Ion:105 Resp: 20839
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#95
 Naphthalene
 Concen: 6.198 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN075805.D
 Acq: 15 Dec 2022 07:15

Tgt Ion:128 Resp: 49653
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.4 15.6
 129 11.0 8.7 13.1

