

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075804.D
 Acq On : 15 Dec 2022 06:51
 Operator : JC\MD
 Sample : N6002-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 6N-SUMP

Quant Time: Dec 15 07:45:52 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)

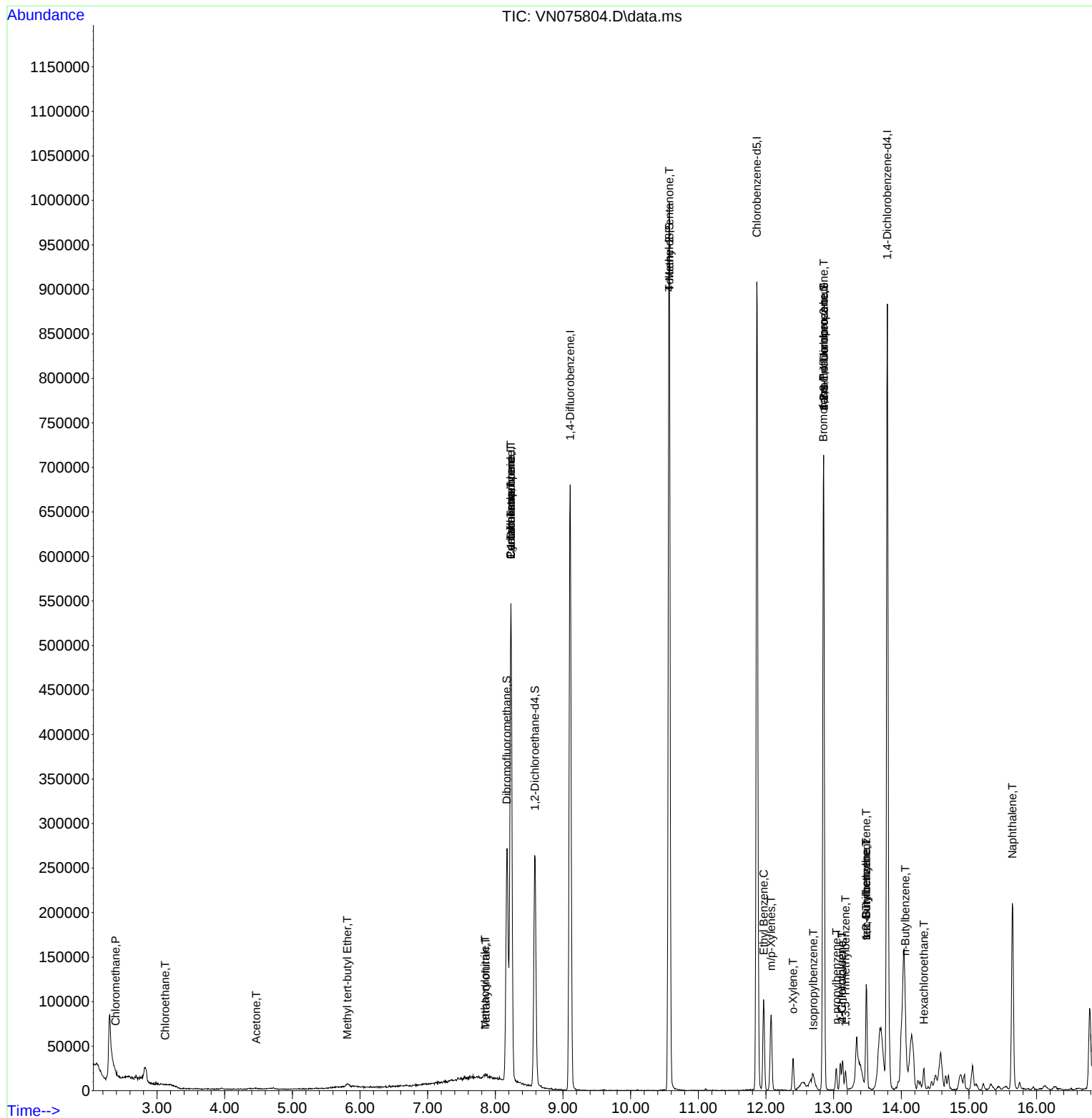
Internal Standards						
1) Pentafluorobenzene	8.230	168	416091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	636407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	552290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	244563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	211011	46.615	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.220%
35) Dibromofluoromethane	8.171	113	188429	47.810	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.620%
50) Toluene-d8	10.571	98	723253	49.082	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.853	95	236559	48.469	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	1236	0.336	ug/l #	40
6) Chloroethane	3.118	64	1082	0.333	ug/l #	44
16) Acetone	4.465	43	1289	0.826	ug/l	94
19) Methyl tert-butyl Ether	5.812	73	5421	0.446	ug/l #	90
20) Methylene Chloride	5.289	84	101	Below Cal	#	12
29) Tetrahydrofuran	7.859	42	2661	1.943	ug/l #	58
31) Cyclohexane	8.230	56	8563	1.321	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	29852	5.702	ug/l #	50
38) Carbon Tetrachloride	8.230	117	40730	6.951	ug/l #	15
41) Methacrylonitrile	7.847	41	1337	0.612	ug/l #	26
51) 4-Methyl-2-Pentanone	10.571	43	2695	0.642	ug/l #	1
67) Ethyl Benzene	11.965	91	77815	4.067	ug/l	95
68) m/p-Xylenes	12.077	106	29836	3.940	ug/l	100
69) o-Xylene	12.400	106	10004	1.335	ug/l	85
71) Bromoform	12.847	173	1802	0.590	ug/l #	1
73) Isopropylbenzene	12.700	105	4842	0.274	ug/l	97
76) 1,2,3-Trichloropropane	12.853	75	123202	24.991	ug/l #	1
78) n-propylbenzene	13.041	91	20524	1.053	ug/l	96
79) 2-Chlorotoluene	13.124	91	2699	0.222	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.176	105	10227	0.691	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.853	75	123202	89.956	ug/l #	12
82) 4-Chlorotoluene	13.124	91	2699	0.222	ug/l #	40
83) tert-Butylbenzene	13.482	119	9242	0.709	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.482	105	71256	4.856	ug/l	97
85) sec-Butylbenzene	13.482	105	71256	3.959	ug/l #	56
89) n-Butylbenzene	14.059	91	2828	0.233	ug/l #	76
90) Hexachloroethane	14.335	117	1551	0.579	ug/l #	11
95) Naphthalene	15.641	128	209070	17.201	ug/l	99

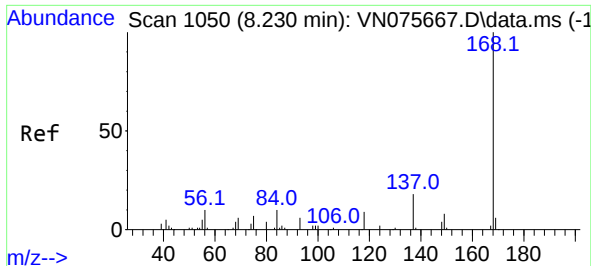
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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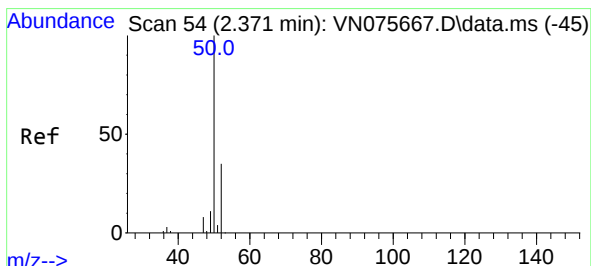
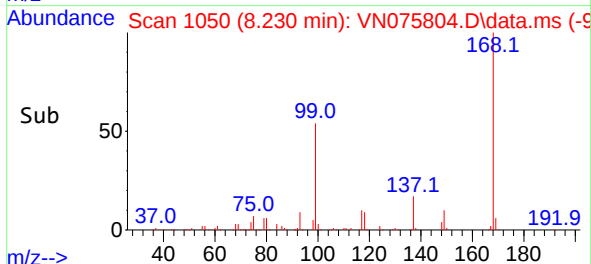
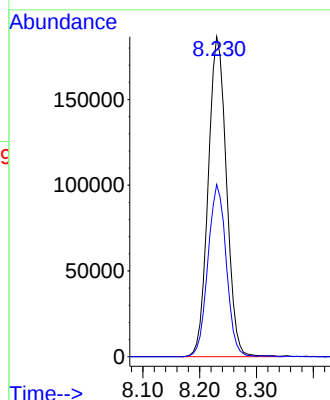
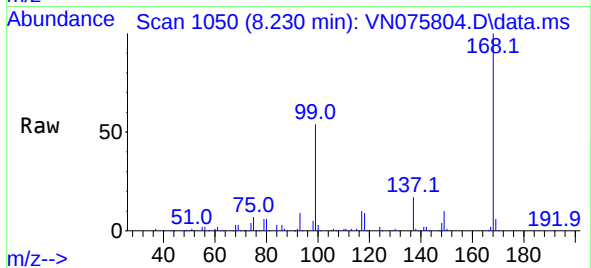




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

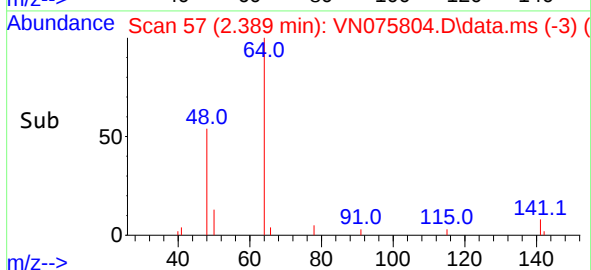
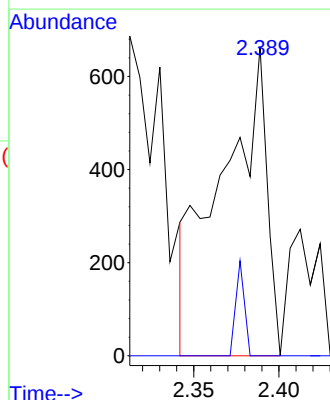
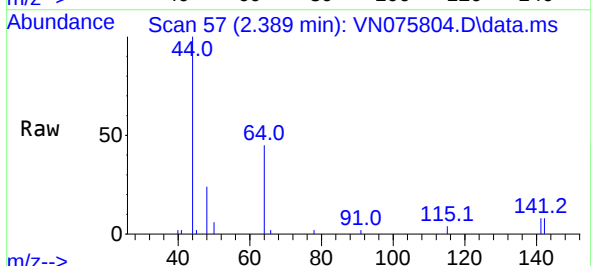
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

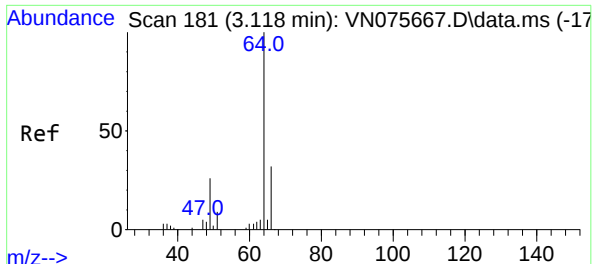
Tgt Ion:168 Resp: 416091
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#3
Chloromethane
Concen: 0.336 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.018 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 50 Resp: 1236
Ion Ratio Lower Upper
50 100
52 0.0 27.7 41.5#

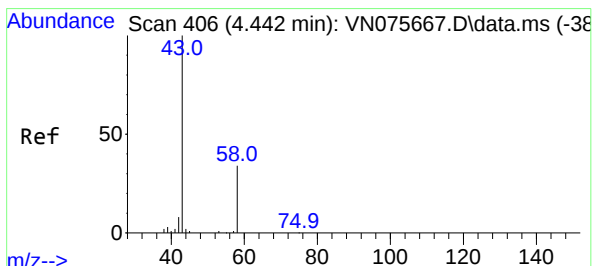
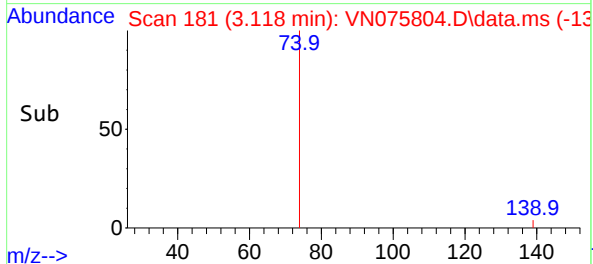
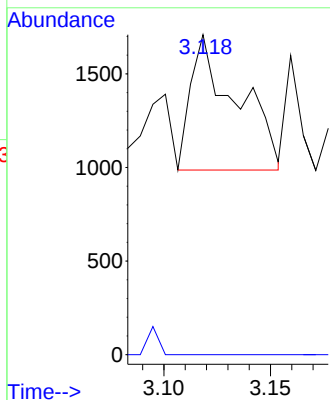
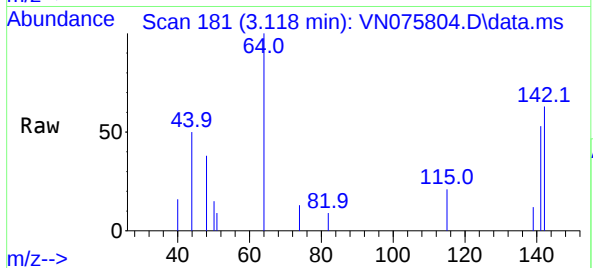




#6
Chloroethane
Concen: 0.333 ug/l
RT: 3.118 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

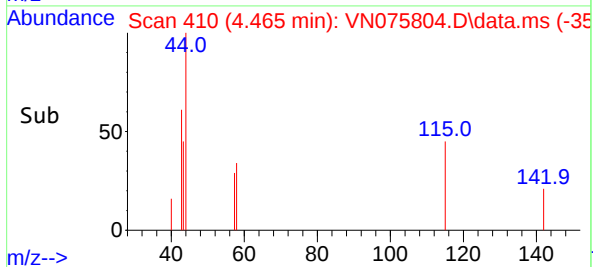
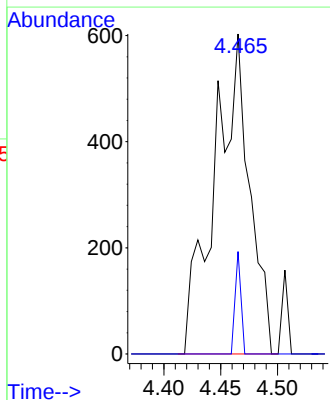
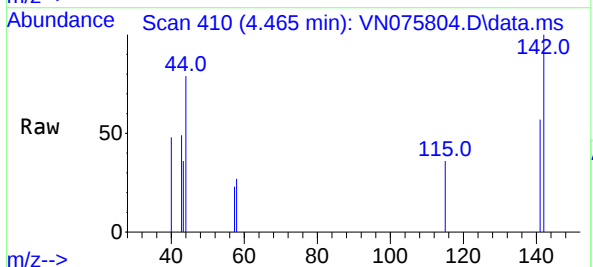
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

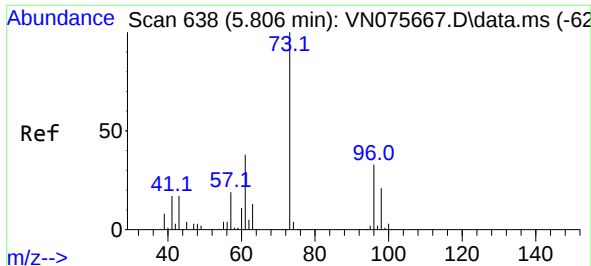
Tgt Ion: 64 Resp: 1082
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#16
Acetone
Concen: 0.826 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.024 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
58 32.0 28.6 43.0

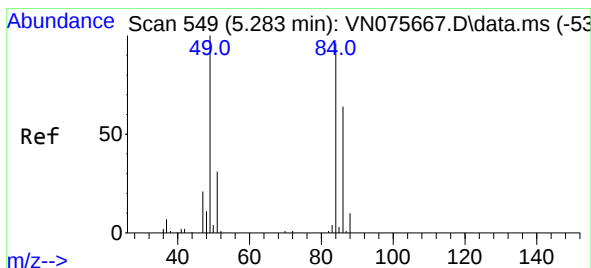
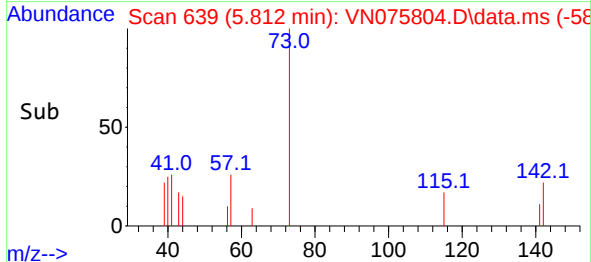
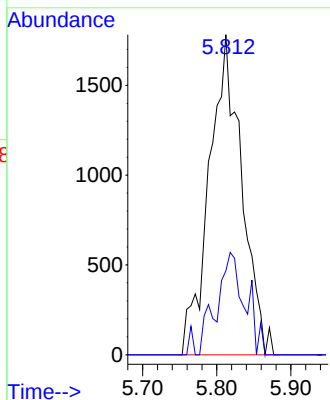
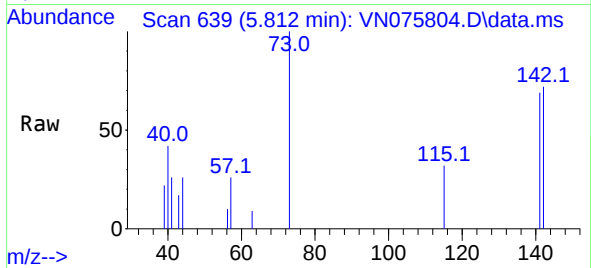




#19
Methyl tert-butyl Ether
Concen: 0.446 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

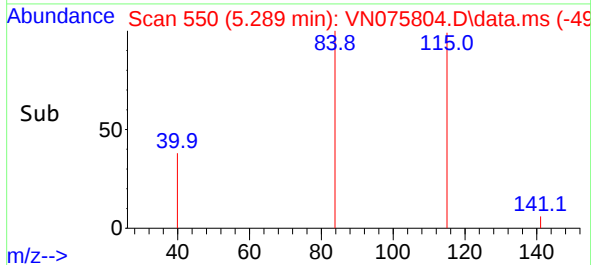
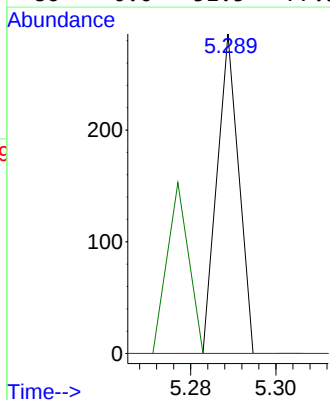
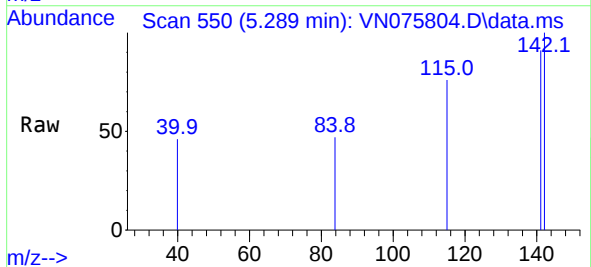
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

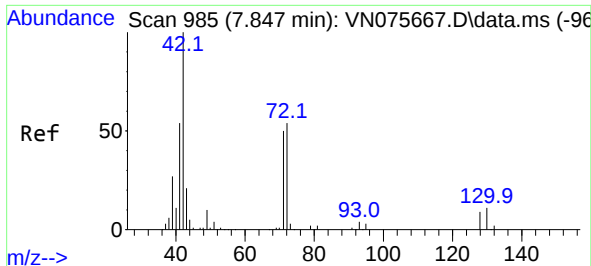
Tgt Ion: 73 Resp: 5421
Ion Ratio Lower Upper
73 100
57 26.2 17.1 25.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 84 Resp: 101
Ion Ratio Lower Upper
84 100
49 0.0 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#

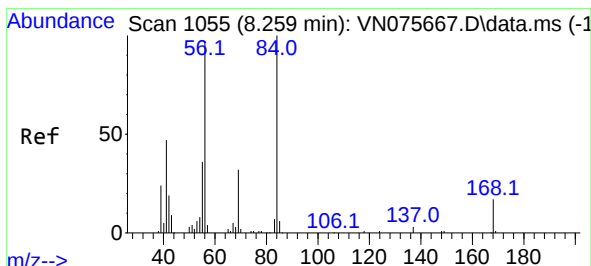
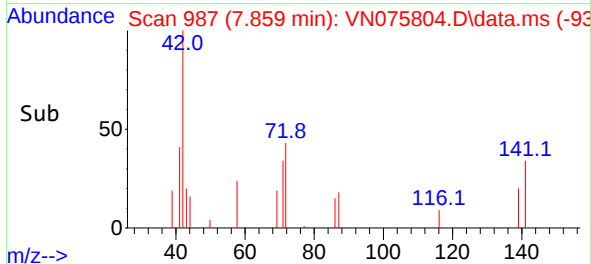
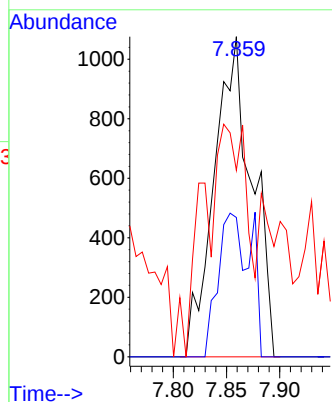
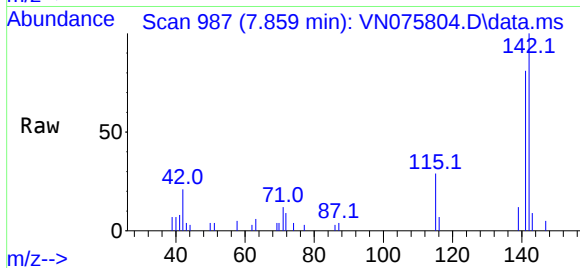




#29
Tetrahydrofuran
Concen: 1.943 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

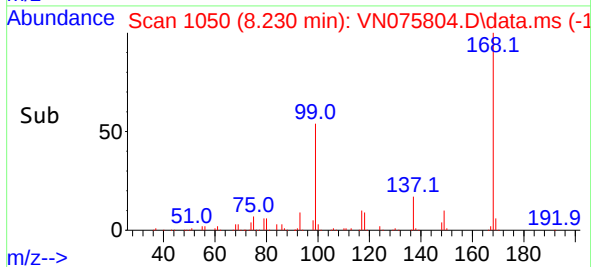
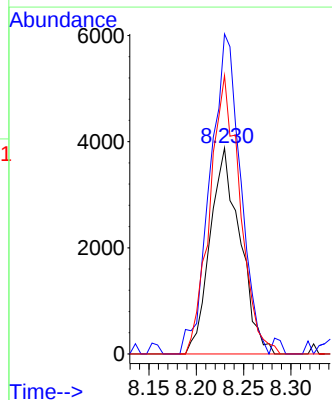
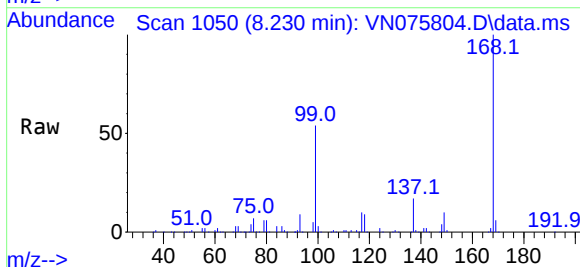
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

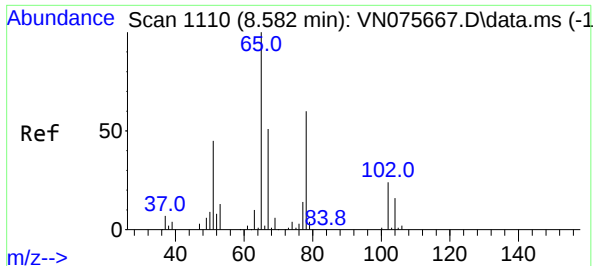
Tgt Ion: 42 Resp: 2661
Ion Ratio Lower Upper
42 100
72 0.0 44.5 66.7#
71 47.6 41.0 61.6



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 56 Resp: 8563
Ion Ratio Lower Upper
56 100
69 155.3 24.7 37.1#
84 135.2 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.615 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075804.D

Acq: 15 Dec 2022 06:51

Instrument :

MSVOA_N

ClientSampleId :

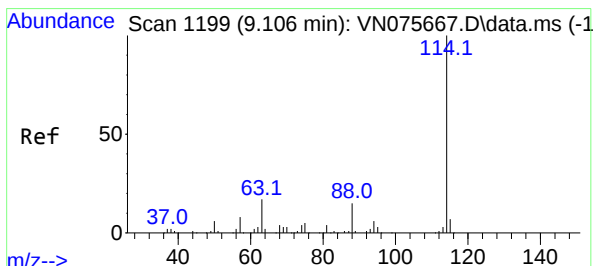
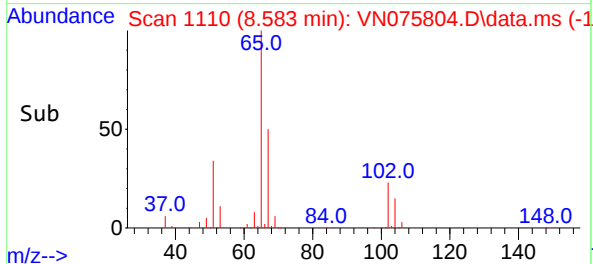
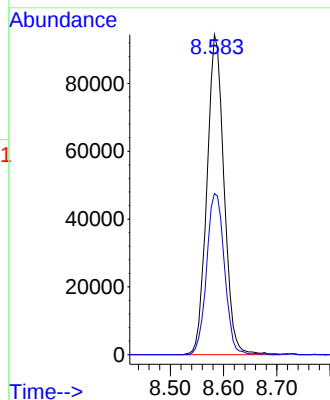
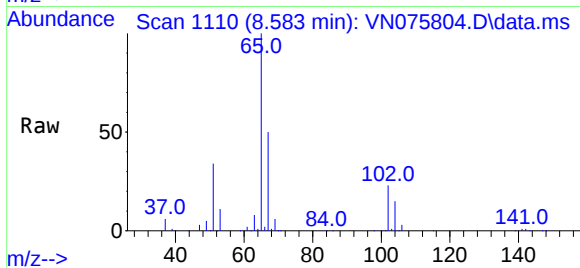
6N-SUMP

Tgt Ion: 65 Resp: 211011

Ion Ratio Lower Upper

65 100

67 52.3 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: VN075804.D

Acq: 15 Dec 2022 06:51

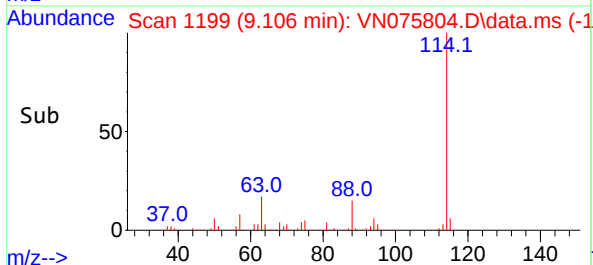
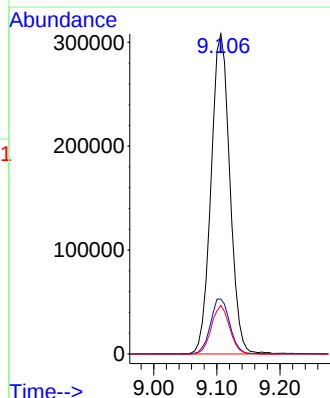
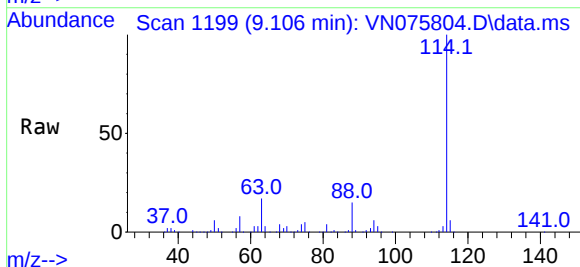
Tgt Ion: 114 Resp: 636407

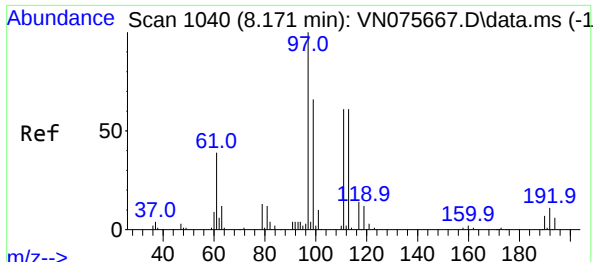
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

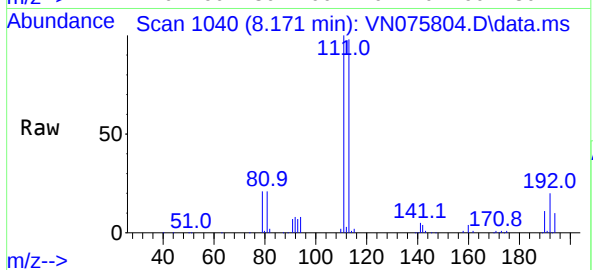
88 15.2 0.0 28.8



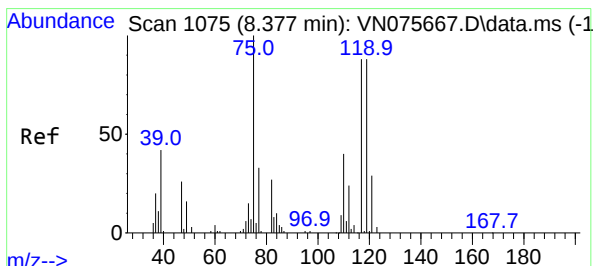
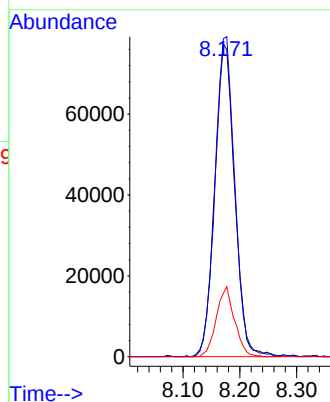
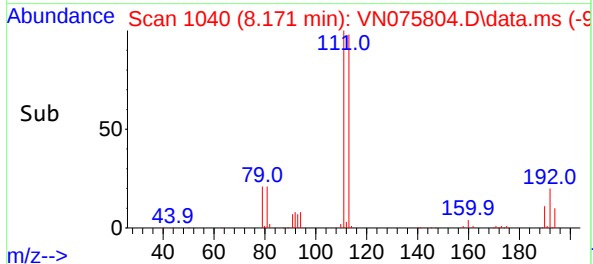


#35
Dibromofluoromethane
Concen: 47.810 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

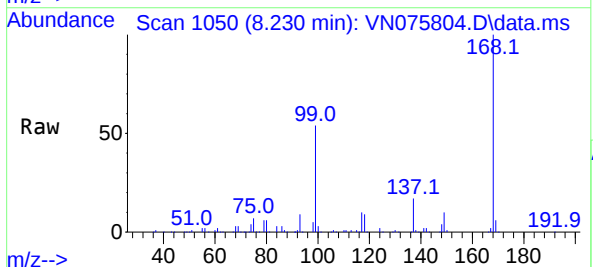
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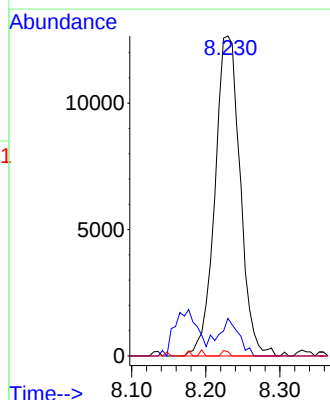
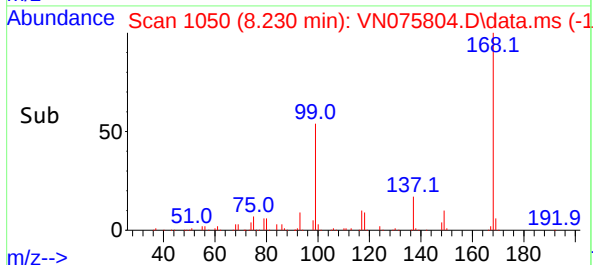
Tgt Ion:113 Resp: 188429
Ion Ratio Lower Upper
113 100
111 101.7 83.4 125.2
192 20.4 16.1 24.1

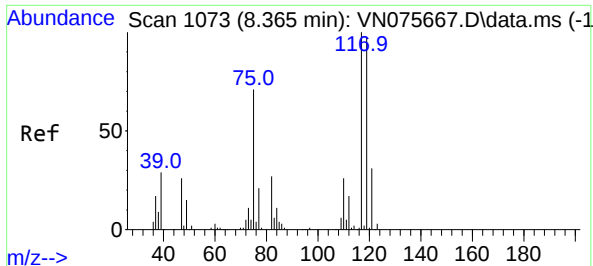


#36
1,1-Dichloropropene
Concen: 5.702 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51



Tgt Ion: 75 Resp: 29852
Ion Ratio Lower Upper
75 100
110 9.8 18.8 56.4#
77 0.5 24.1 36.1#

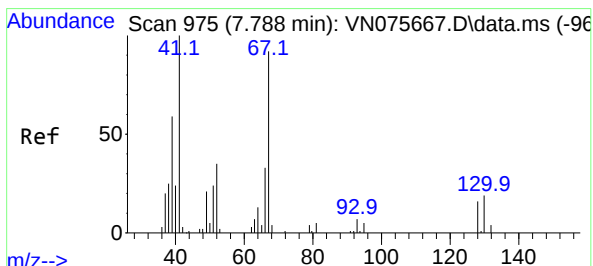
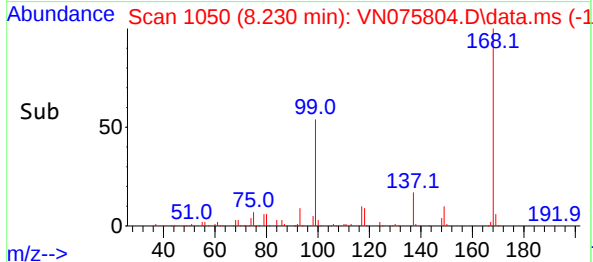
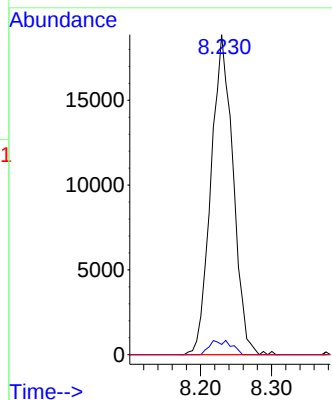
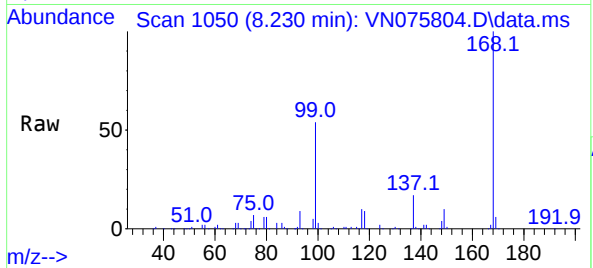




#38
Carbon Tetrachloride
Concen: 6.951 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

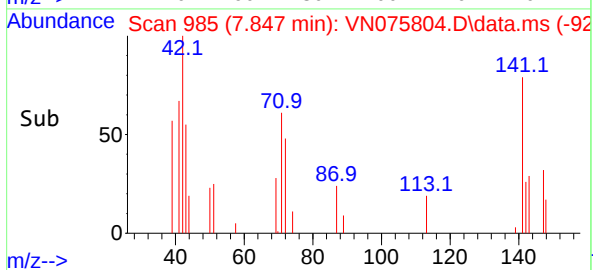
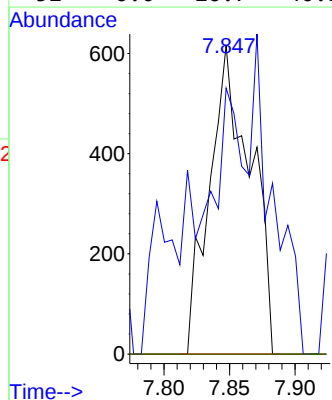
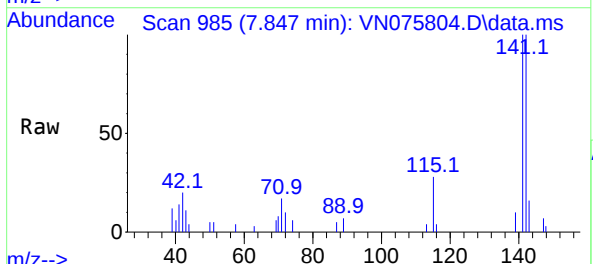
Instrument :
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ClientSampleId :
6N-SUMP

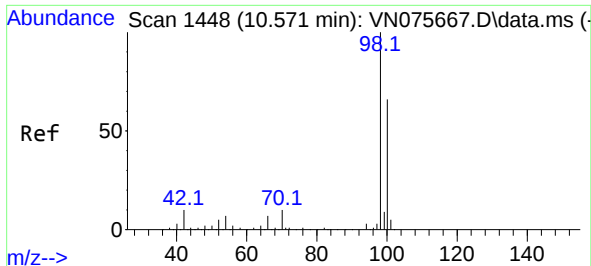
Tgt Ion:117 Resp: 40730
Ion Ratio Lower Upper
117 100
119 3.2 76.1 114.1#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.612 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.065 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 41 Resp: 1337
Ion Ratio Lower Upper
41 100
39 18.2 43.1 64.7#
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#

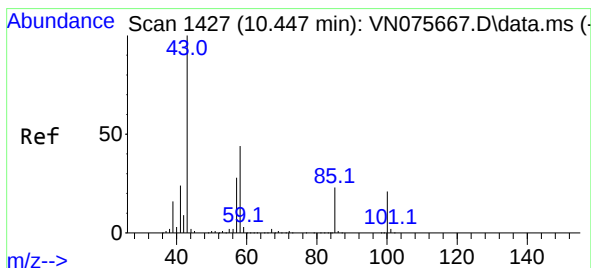
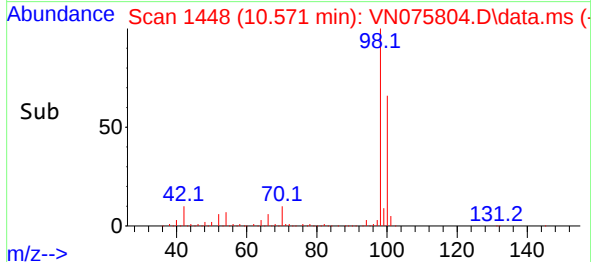
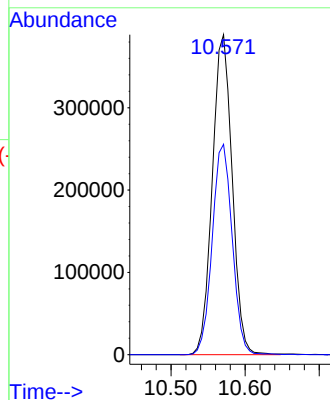
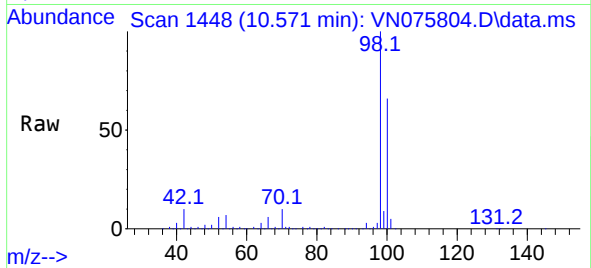




#50
Toluene-d8
Concen: 49.082 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

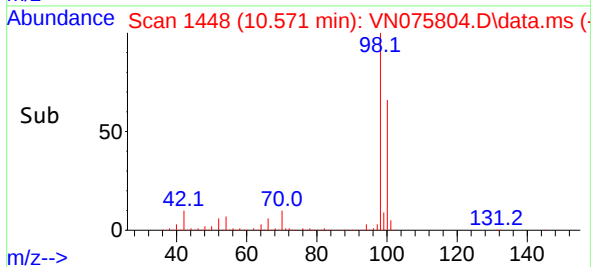
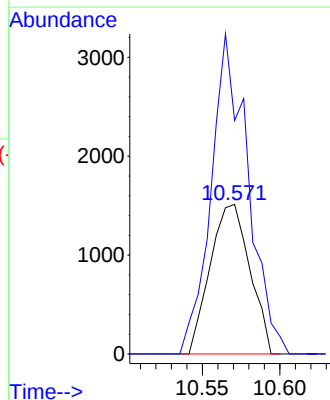
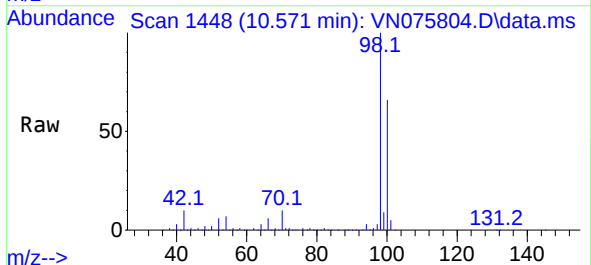
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

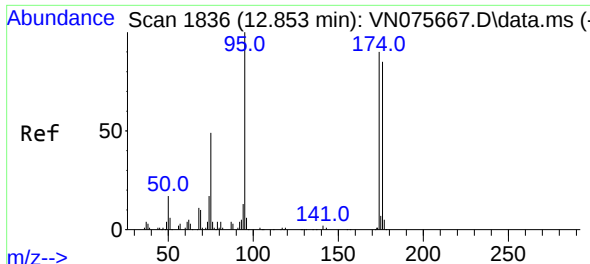
Tgt Ion: 98 Resp: 723253
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.642 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.124 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 43 Resp: 2695
Ion Ratio Lower Upper
43 100
58 198.2 35.5 53.3#

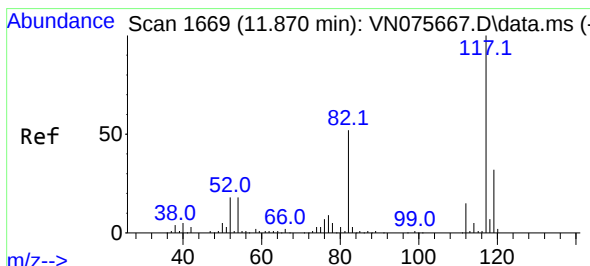
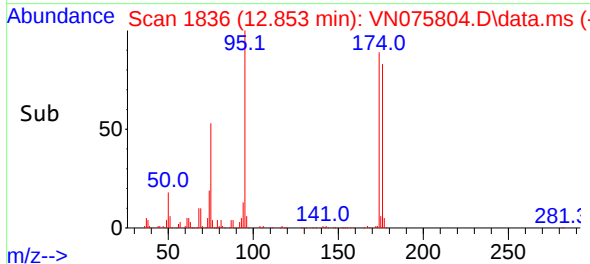
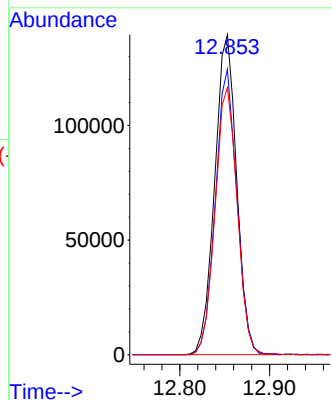
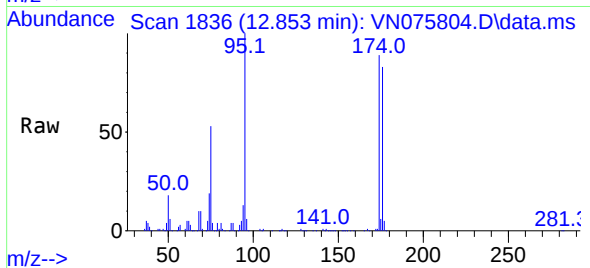




#62
4-Bromofluorobenzene
Concen: 48.469 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

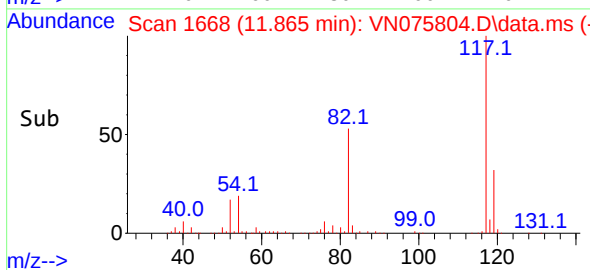
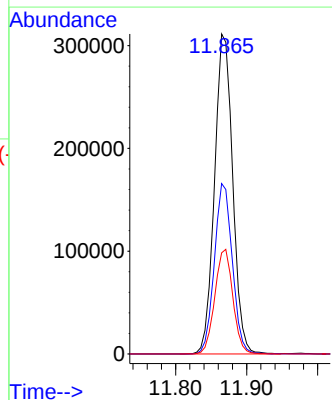
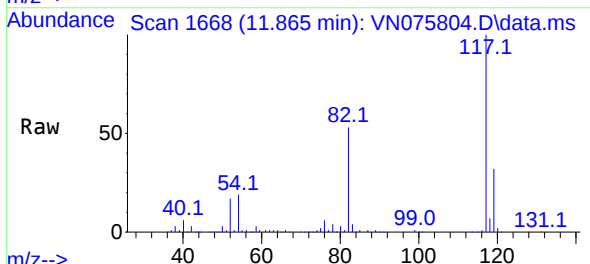
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

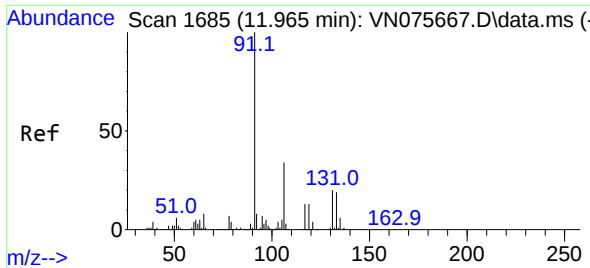
Tgt Ion: 95 Resp: 236559
Ion Ratio Lower Upper
95 100
174 87.5 0.0 171.6
176 84.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 117 Resp: 552290
Ion Ratio Lower Upper
117 100
82 53.2 41.3 61.9
119 31.6 24.6 37.0

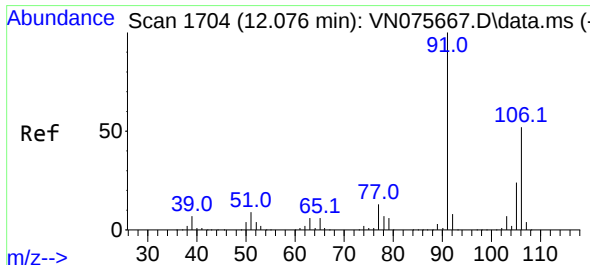
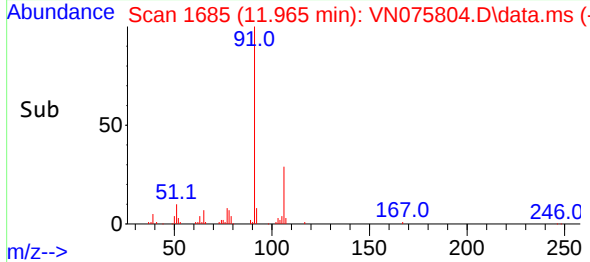
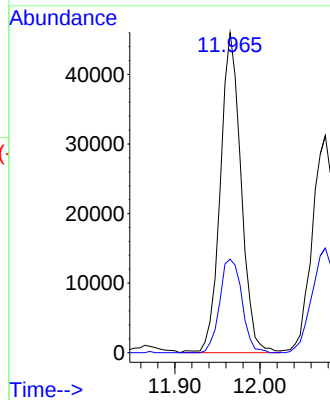
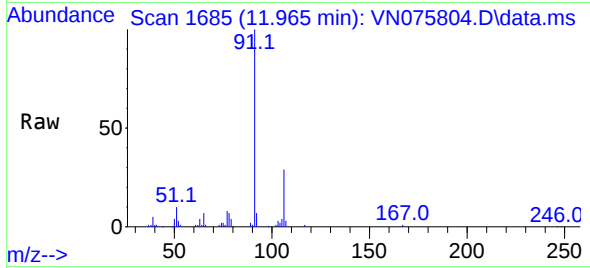




#67
Ethyl Benzene
Concen: 4.067 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

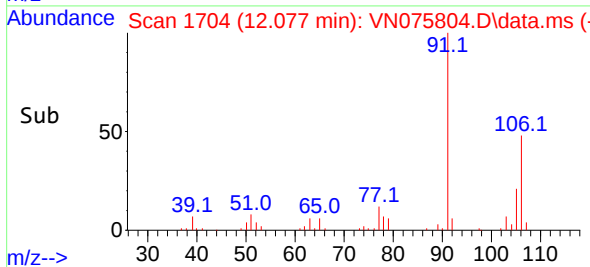
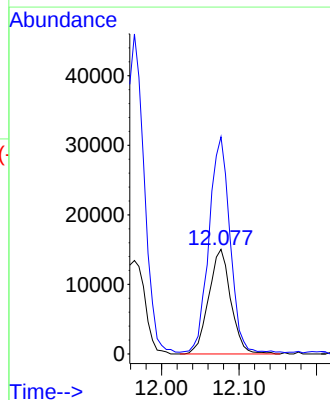
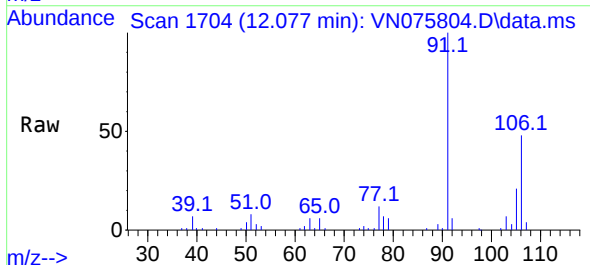
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

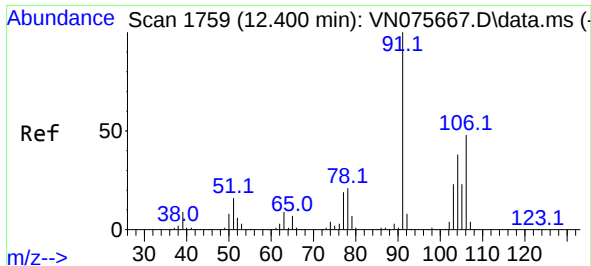
Tgt Ion: 91 Resp: 77815
Ion Ratio Lower Upper
91 100
106 29.2 25.7 38.5



#68
m/p-Xylenes
Concen: 3.940 ug/l
RT: 12.077 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 106 Resp: 29836
Ion Ratio Lower Upper
106 100
91 195.9 156.6 235.0

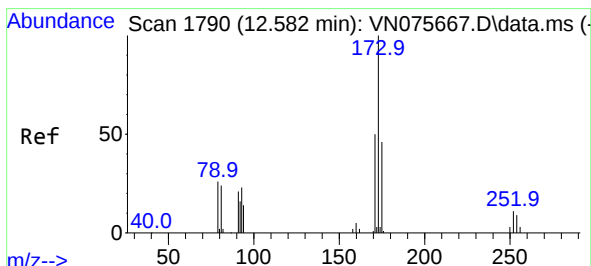
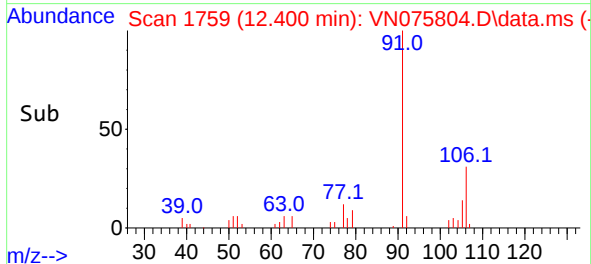
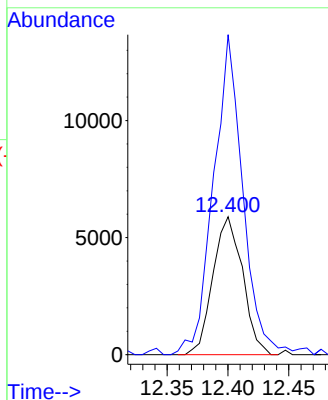
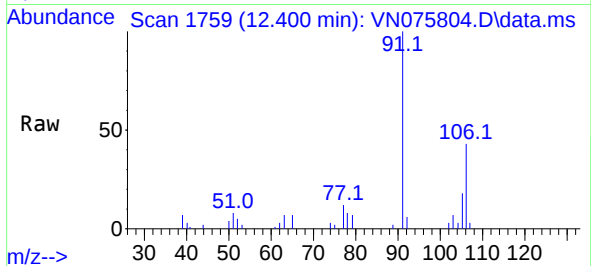




#69
o-Xylene
Concen: 1.335 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

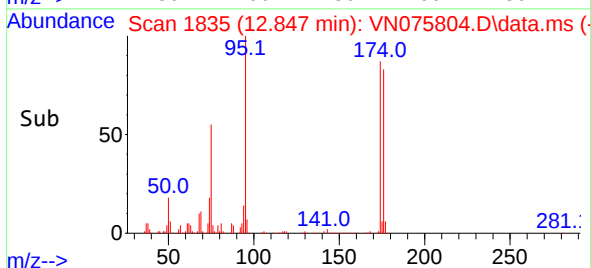
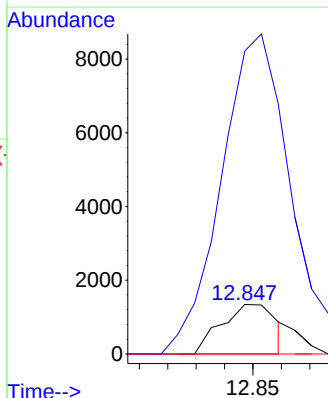
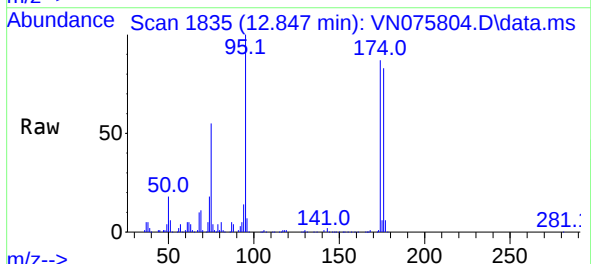
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

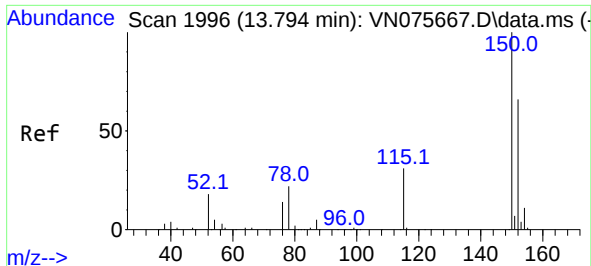
Tgt Ion:106 Resp: 10004
Ion Ratio Lower Upper
106 100
91 230.6 103.8 311.6



#71
Bromoform
Concen: 0.590 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion:173 Resp: 1802
Ion Ratio Lower Upper
173 100
175 676.8 24.3 72.8#
254 0.0 0.0 0.0

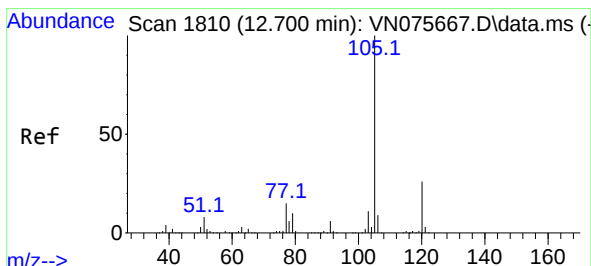
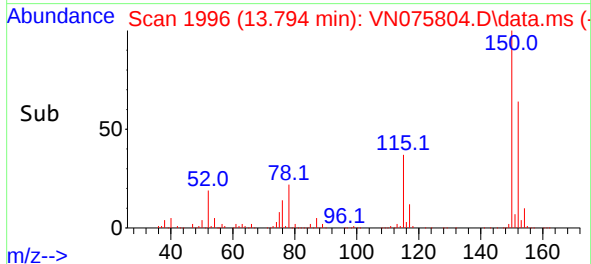
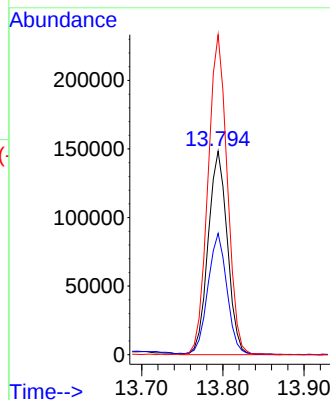
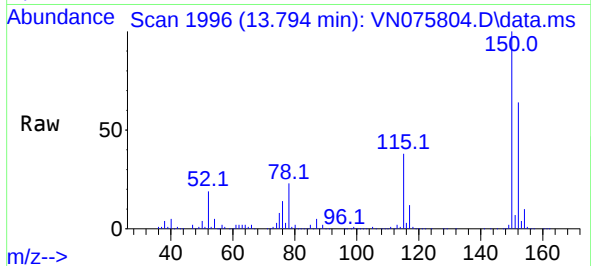




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

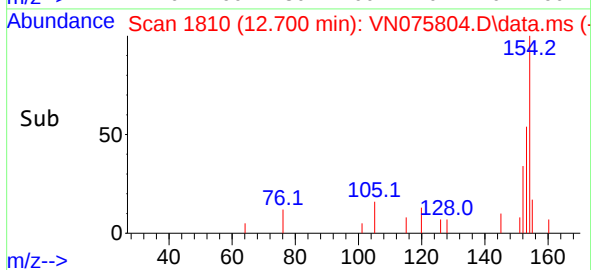
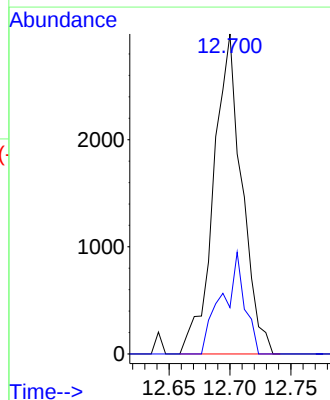
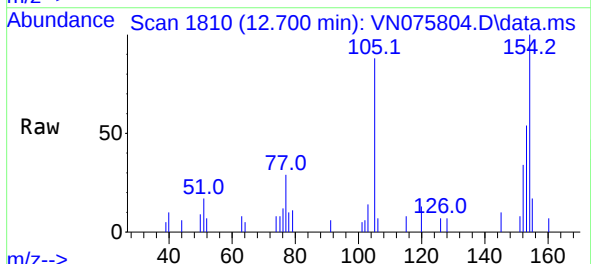
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

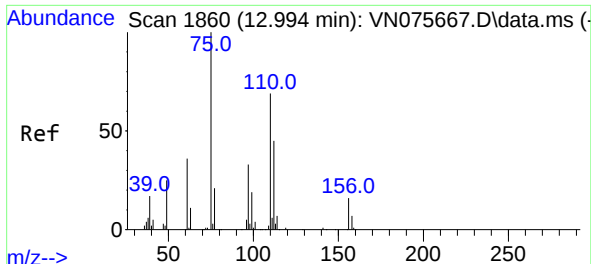
Tgt Ion:152 Resp: 244563
Ion Ratio Lower Upper
152 100
115 59.5 29.1 87.4
150 157.4 0.0 347.0



#73
Isopropylbenzene
Concen: 0.274 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion:105 Resp: 4842
Ion Ratio Lower Upper
105 100
120 25.3 13.4 40.2

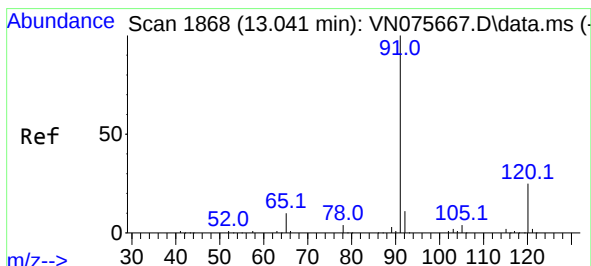
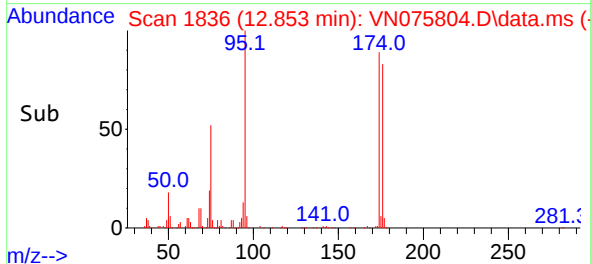
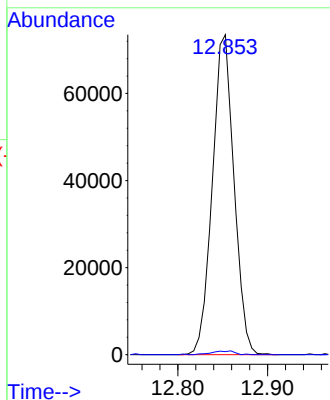
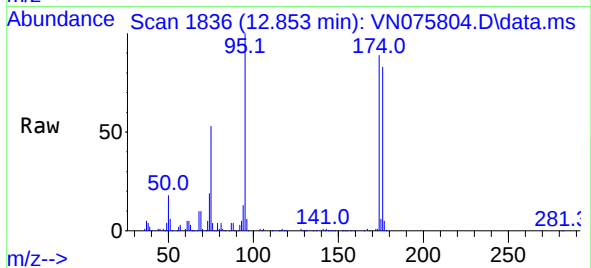




#76
1,2,3-Trichloropropane
Concen: 24.991 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

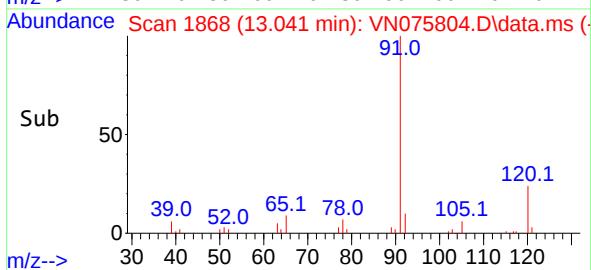
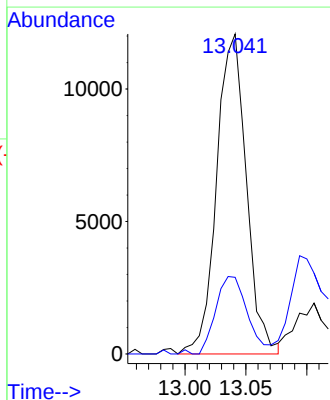
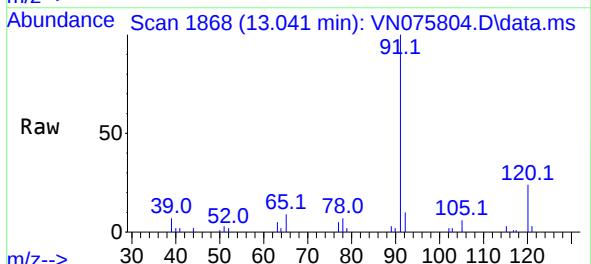
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

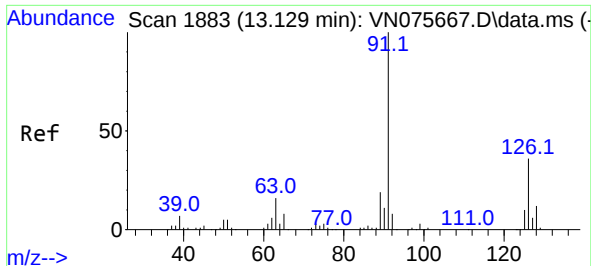
Tgt Ion: 75 Resp: 123202
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#78
n-propylbenzene
Concen: 1.053 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 91 Resp: 20524
Ion Ratio Lower Upper
91 100
120 26.1 12.0 36.1





#79

2-Chlorotoluene

Concen: 0.222 ug/l

RT: 13.124 min Scan# 1882

Delta R.T. -0.006 min

Lab File: VN075804.D

Acq: 15 Dec 2022 06:51

Instrument :

MSVOA_N

ClientSampleId :

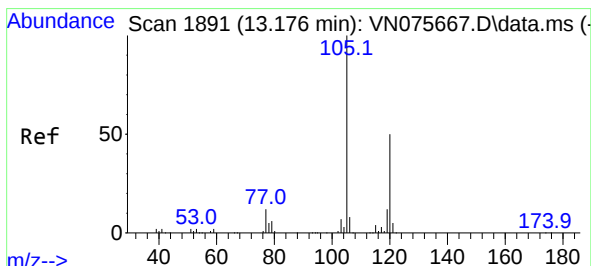
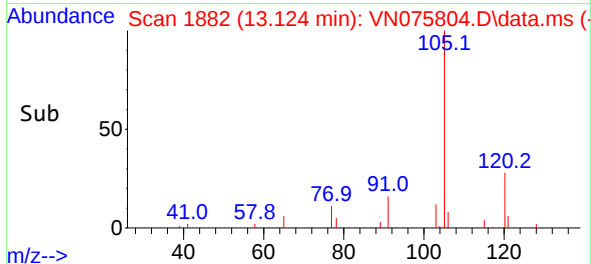
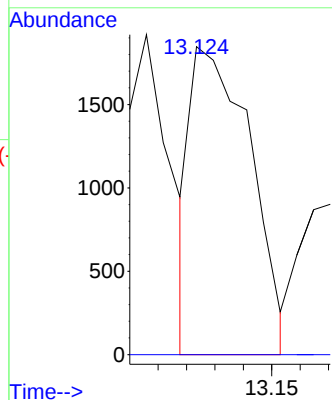
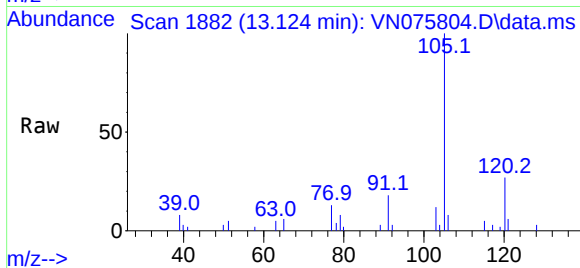
6N-SUMP

Tgt Ion: 91 Resp: 2699

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.691 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN075804.D

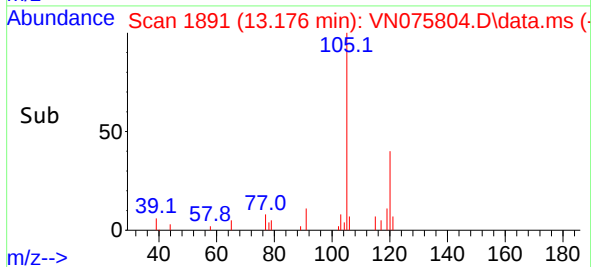
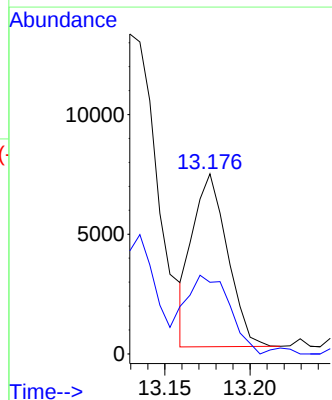
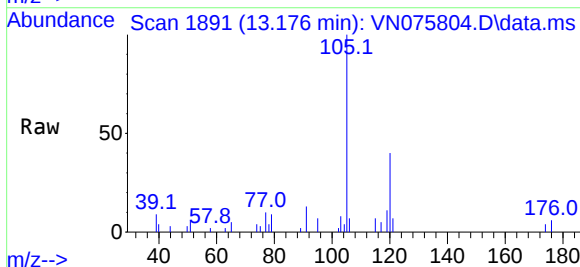
Acq: 15 Dec 2022 06:51

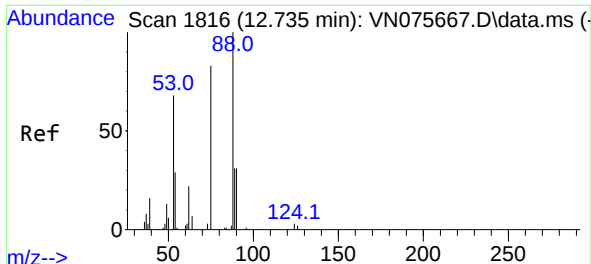
Tgt Ion:105 Resp: 10227

Ion Ratio Lower Upper

105 100

120 58.9 24.7 74.1

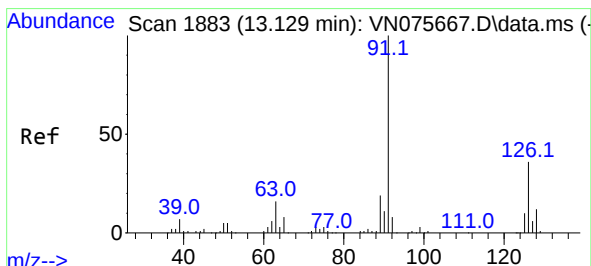
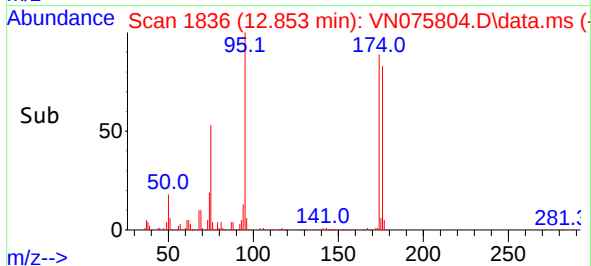
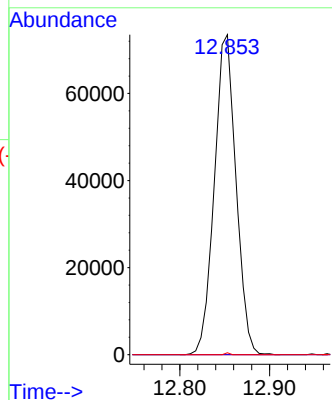
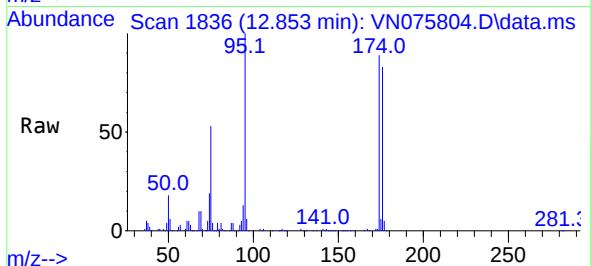




#81
trans-1,4-Dichloro-2-butene
Concen: 89.956 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

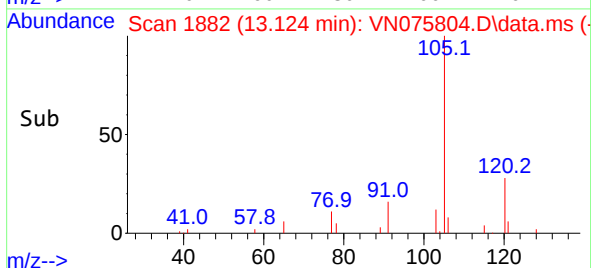
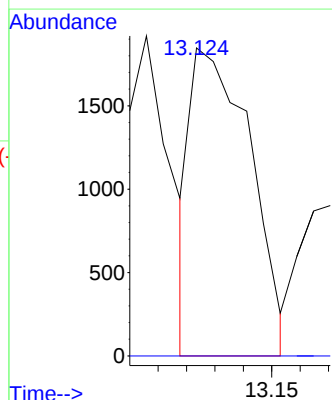
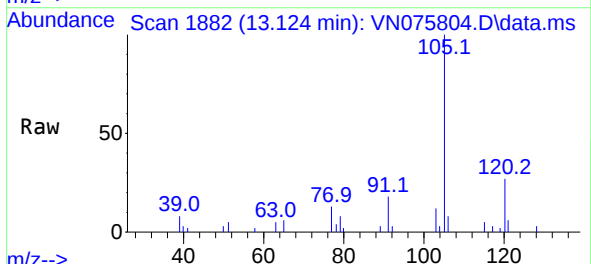
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

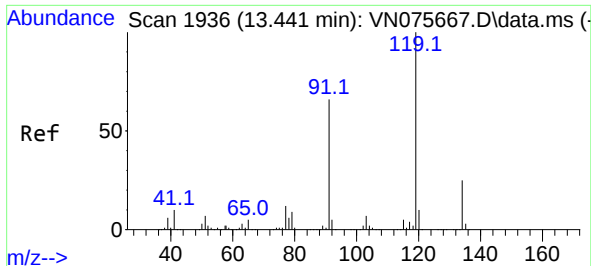
Tgt Ion: 75 Resp: 123202
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#



#82
4-Chlorotoluene
Concen: 0.222 ug/l
RT: 13.124 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion: 91 Resp: 2699
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#

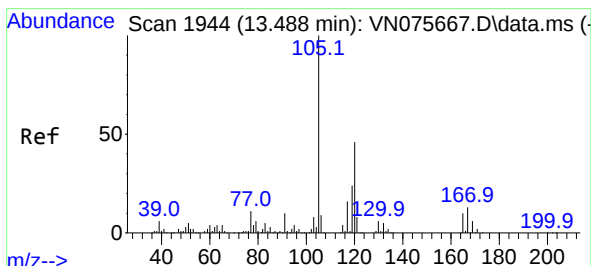
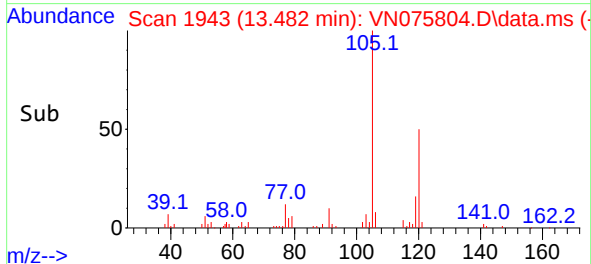
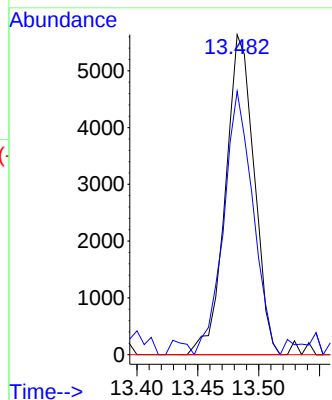
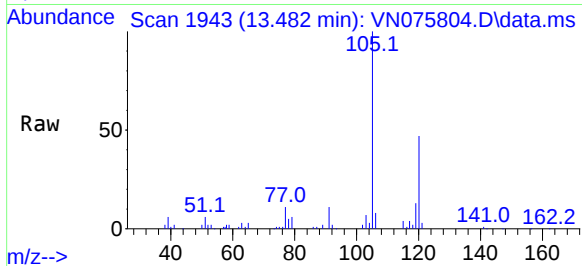




#83
tert-Butylbenzene
Concen: 0.709 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.041 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

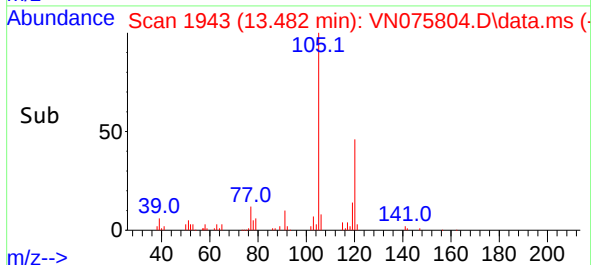
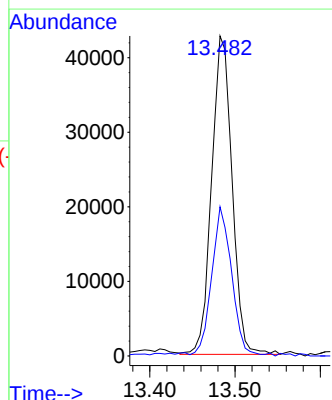
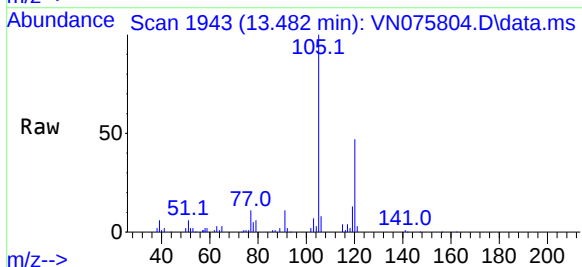
Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

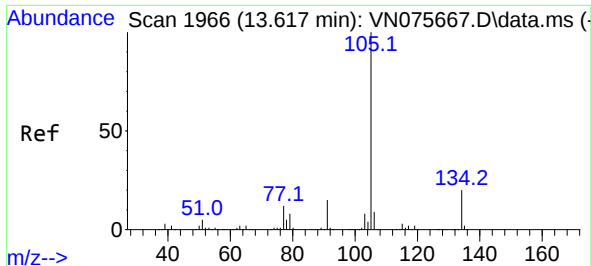
Tgt Ion:119 Resp: 9242
Ion Ratio Lower Upper
119 100
91 84.0 31.9 95.5
134 0.0 13.8 41.4#



#84
1,2,4-Trimethylbenzene
Concen: 4.856 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion:105 Resp: 71256
Ion Ratio Lower Upper
105 100
120 44.6 23.3 69.8

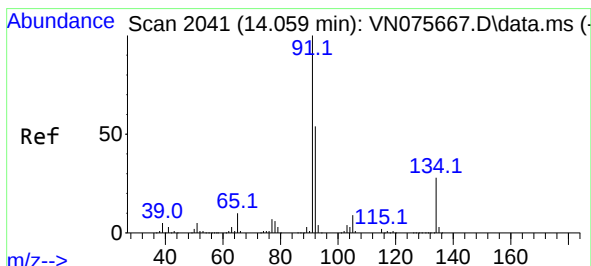
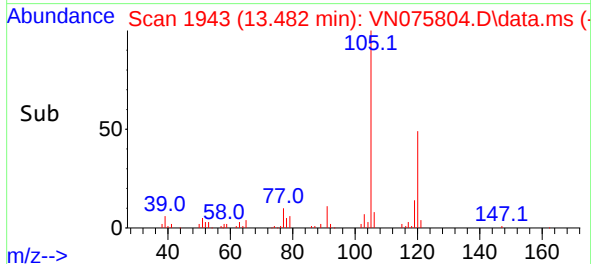
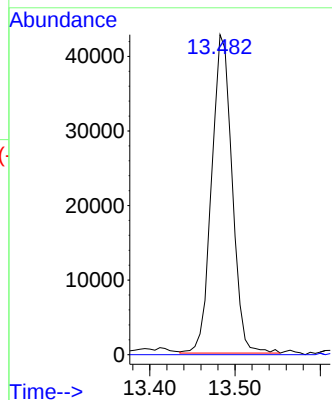
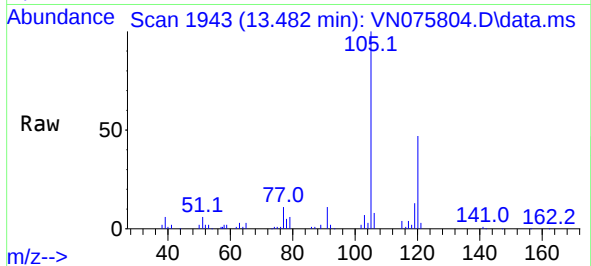




#85
 sec-Butylbenzene
 Concen: 3.959 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. -0.135 min
 Lab File: VN075804.D
 Acq: 15 Dec 2022 06:51

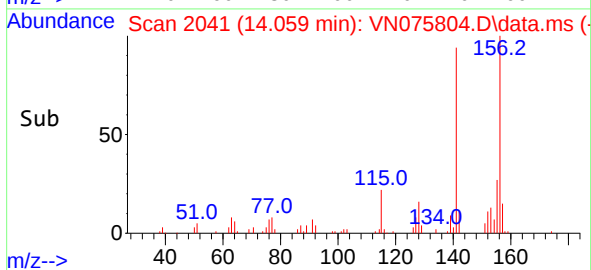
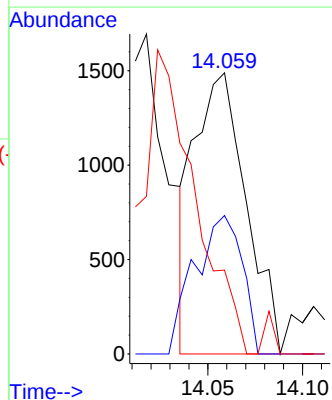
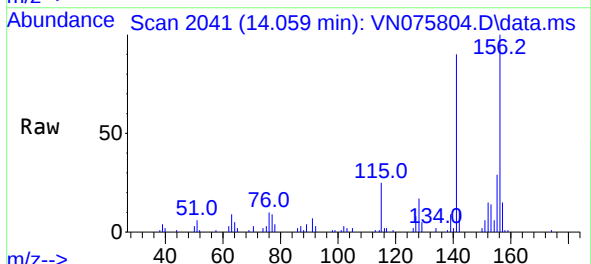
Instrument :
 MSVOA_N
 ClientSampleId :
 6N-SUMP

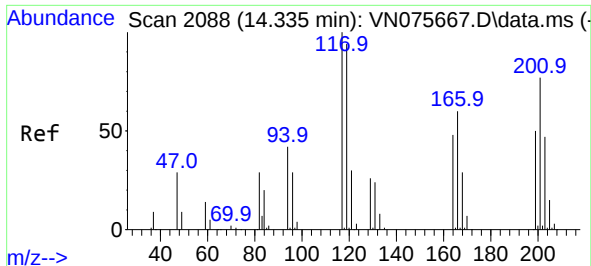
Tgt Ion:105 Resp: 71256
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#89
 n-Butylbenzene
 Concen: 0.233 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. 0.000 min
 Lab File: VN075804.D
 Acq: 15 Dec 2022 06:51

Tgt Ion: 91 Resp: 2828
 Ion Ratio Lower Upper
 91 100
 92 45.4 26.4 79.2
 134 0.0 13.4 40.2#

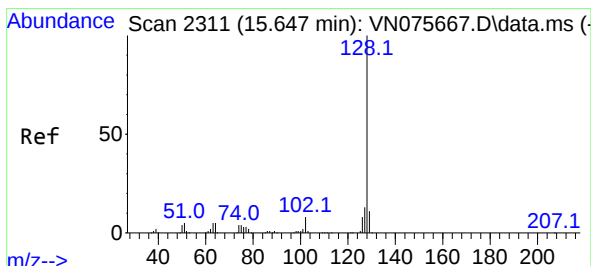
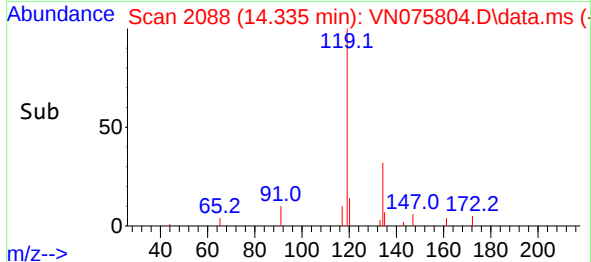
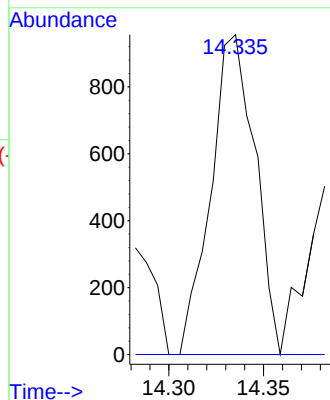
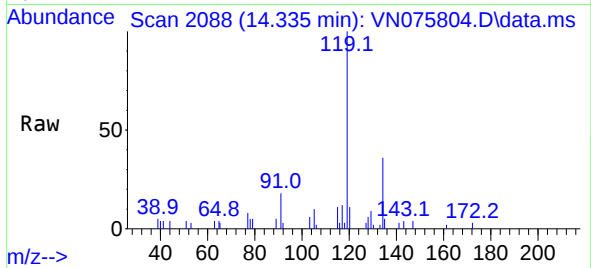




#90
Hexachloroethane
Concen: 0.579 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Instrument :
MSVOA_N
ClientSampleId :
6N-SUMP

Tgt Ion:117 Resp: 1551
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 17.201 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN075804.D
Acq: 15 Dec 2022 06:51

Tgt Ion:128 Resp: 209070
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.0 8.7 13.1

