

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011023\
 Data File : VN076189.D
 Acq On : 10 Jan 2023 18:00
 Operator : JC\MD
 Sample : 01061-04
 Misc : 5.08gr/10mL/100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 11 01:08:47 2023
 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)

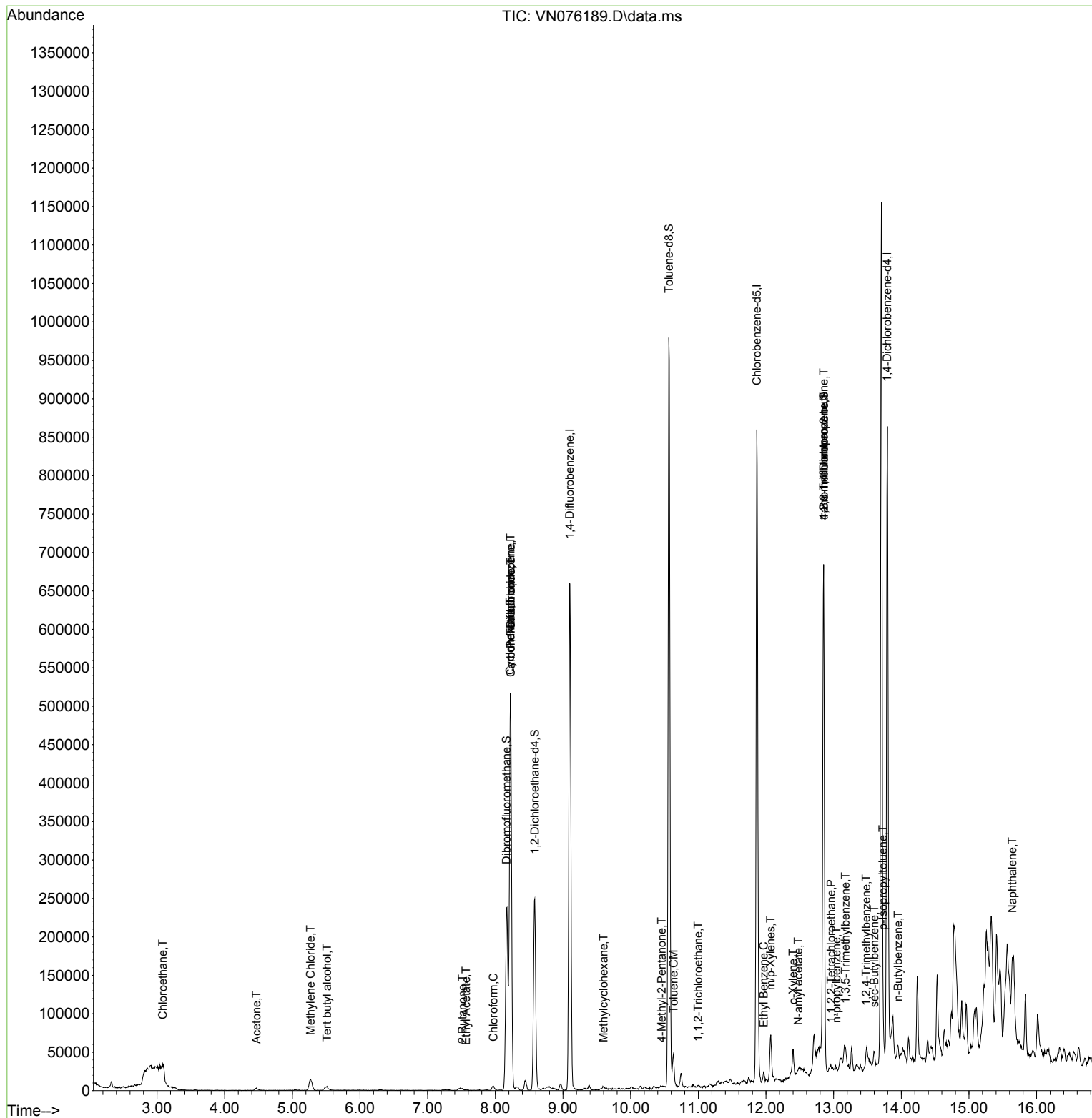
Internal Standards						
1) Pentafluorobenzene	8.224	168	399133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	614931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	514008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	230849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	201307	46.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.720%		
35) Dibromofluoromethane	8.165	113	172728	45.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.720%		
50) Toluene-d8	10.565	98	704398	49.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.853	95	218099	46.248	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.500%		
Target Compounds					Qvalue	
6) Chloroethane	3.083	64	2694	0.865	ug/l #	44
11) Tert butyl alcohol	5.512	59	4969	8.087	ug/l #	72
16) Acetone	4.471	43	6654	4.445	ug/l #	85
20) Methylene Chloride	5.271	84	12437	2.498	ug/l #	86
25) 2-Butanone	7.512	43	2014	0.961	ug/l #	84
30) Chloroform	7.971	83	5647	0.749	ug/l	98
31) Cyclohexane	8.218	56	10851	1.745	ug/l #	65
36) 1,1-Dichloropropene	8.224	75	28016	5.538	ug/l #	49
37) Ethyl Acetate	7.565	43	2065	0.508	ug/l #	70
38) Carbon Tetrachloride	8.230	117	38426	6.787	ug/l #	15
39) Methylcyclohexane	9.600	83	1603	0.263	ug/l #	83
51) 4-Methyl-2-Pentanone	10.459	43	1835	0.453	ug/l #	75
52) Toluene	10.635	92	17368	1.709	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	1990	0.499	ug/l #	23
67) Ethyl Benzene	11.965	91	9519	0.535	ug/l #	86
68) m/p-Xylenes	12.071	106	17341	2.461	ug/l	97
69) o-Xylene	12.400	106	10189	1.461	ug/l	85
74) N-amyl acetate	12.476	43	1540	0.315	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.965	83	1637	0.317	ug/l #	29
76) 1,2,3-Trichloropropane	12.853	75	111810	24.028	ug/l #	1
78) n-propylbenzene	13.041	91	3884	0.211	ug/l #	17
80) 1,3,5-Trimethylbenzene	13.176	105	6134	0.439	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.853	75	111810	86.488	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	14191	1.025	ug/l	95
85) sec-Butylbenzene	13.600	105	3911	0.230	ug/l	84
86) p-Isopropyltoluene	13.729	119	35992	2.546	ug/l #	78
89) n-Butylbenzene	13.953	91	4483	0.391	ug/l	88
95) Naphthalene	15.641	128	4687	2.534	ug/l #	76

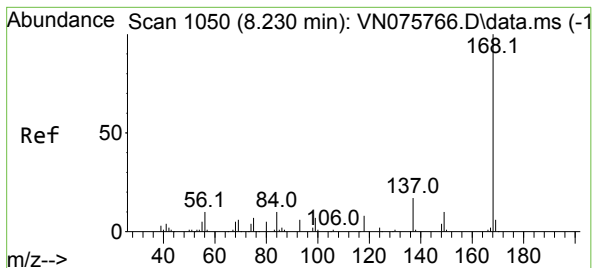
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

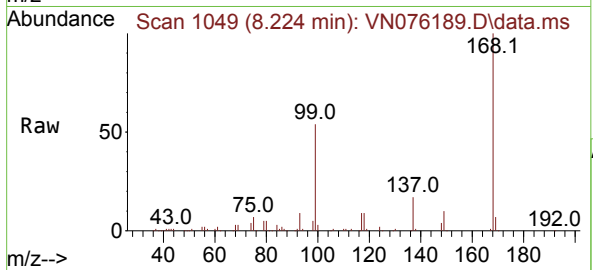
Quant Time: Jan 11 01:08:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
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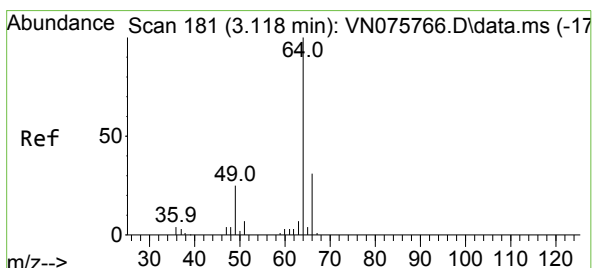
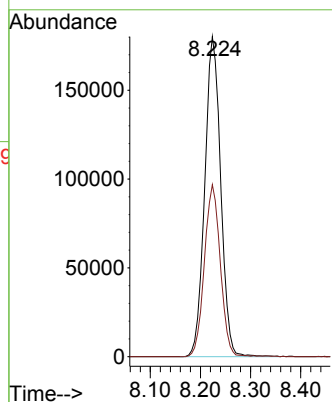
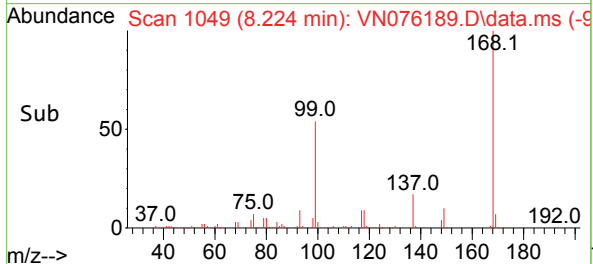


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

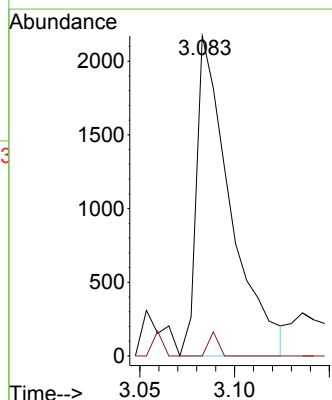
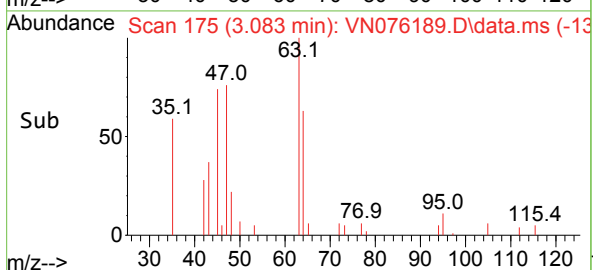
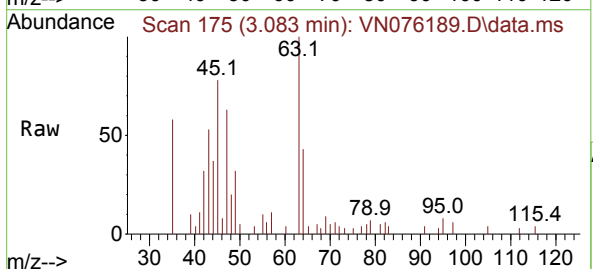


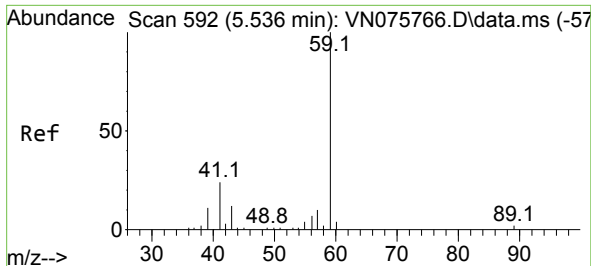
Tgt Ion:168 Resp: 399133
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#6
Chloroethane
Concen: 0.865 ug/l
RT: 3.083 min Scan# 175
Delta R.T. -0.035 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Tgt Ion: 64 Resp: 2694
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

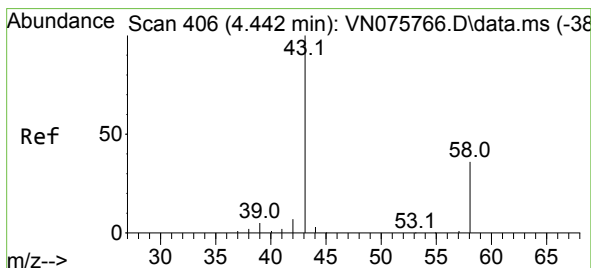
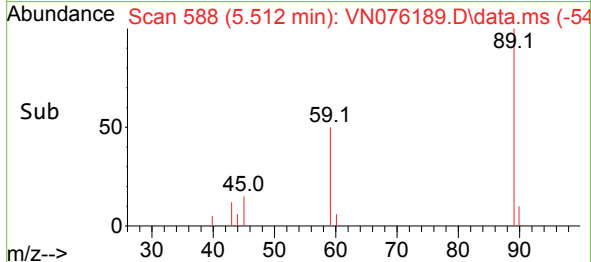
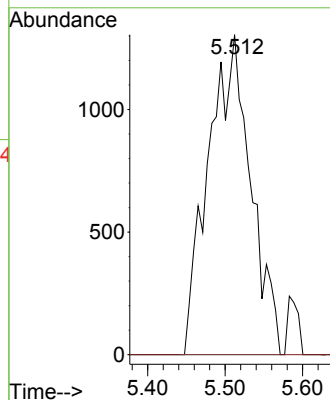
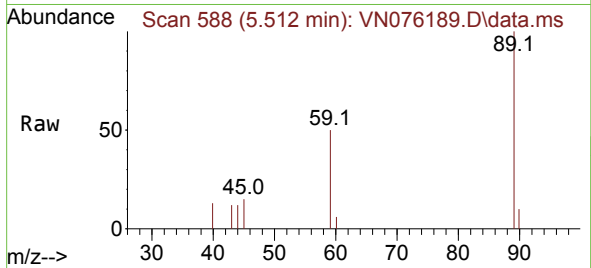




#11
Tert butyl alcohol
Concen: 8.087 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

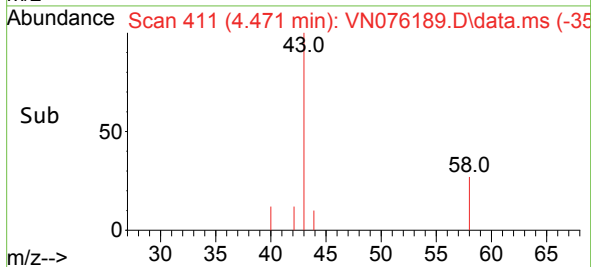
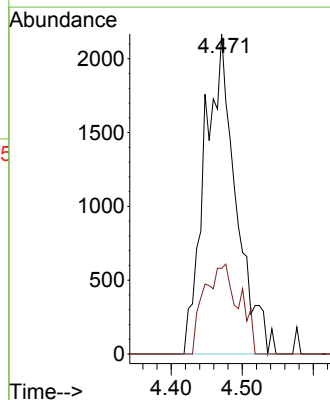
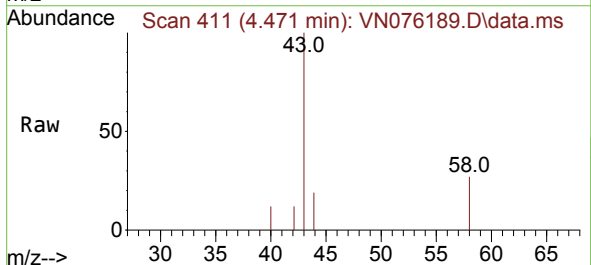
Instrument :
MSVOA_N
ClientSampleId :

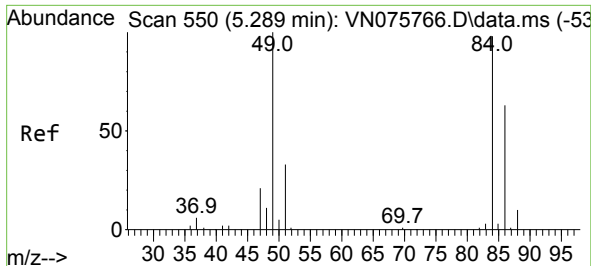
Tgt Ion: 59 Resp: 4969
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 4.445 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

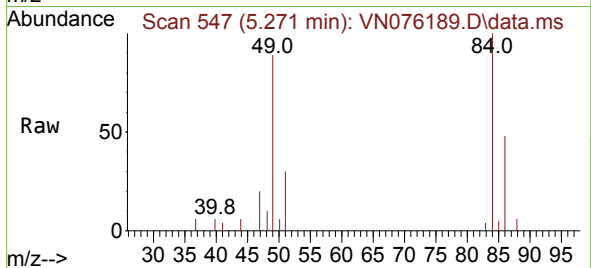
Tgt Ion: 43 Resp: 6654
Ion Ratio Lower Upper
43 100
58 26.8 28.6 43.0#



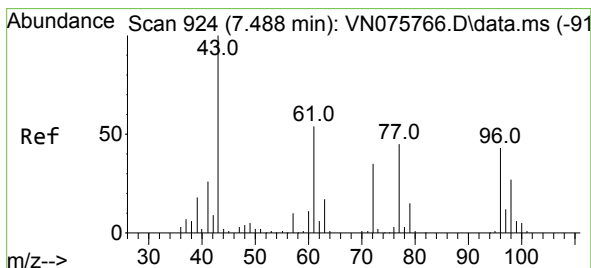
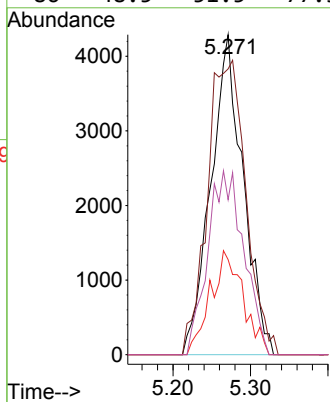
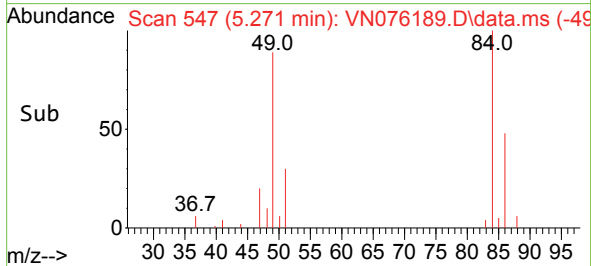


#20
Methylene Chloride
Concen: 2.498 ug/l
RT: 5.271 min Scan# 54
Delta R.T. -0.018 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

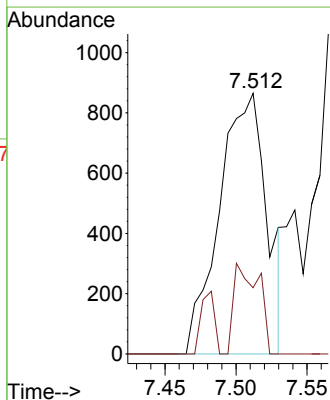
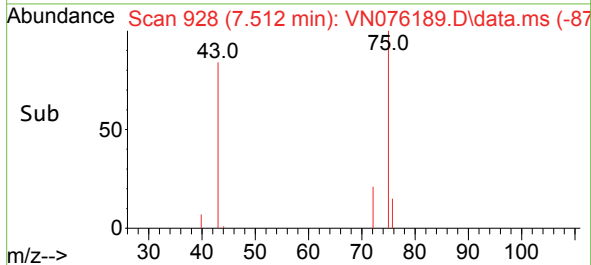
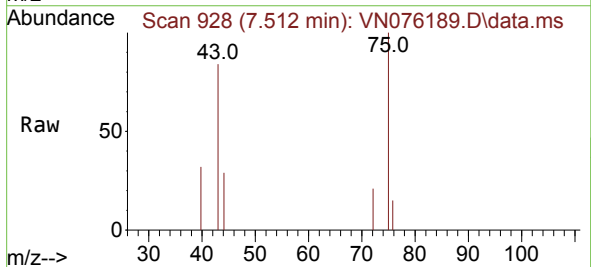


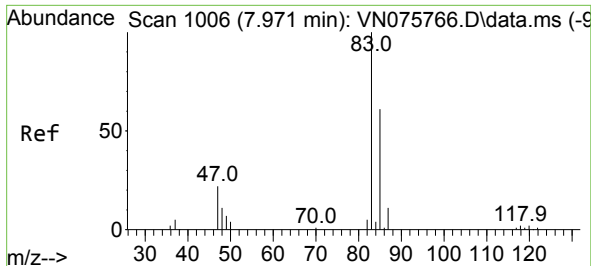
Tgt Ion: 84 Resp: 12437
Ion Ratio Lower Upper
84 100
49 89.3 81.8 122.6
51 29.7 26.7 40.1
86 48.5 51.5 77.3#



#25
2-Butanone
Concen: 0.961 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.024 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
72 25.4 28.0 42.0#

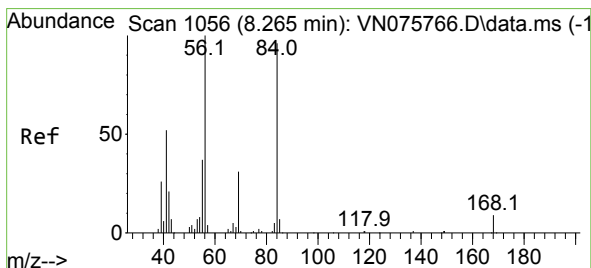
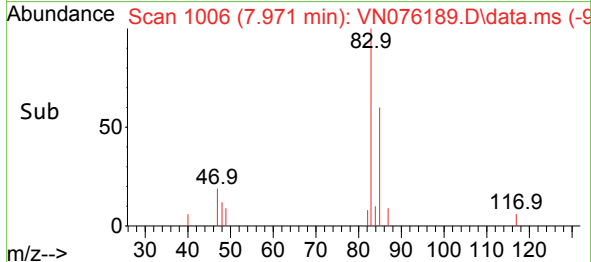
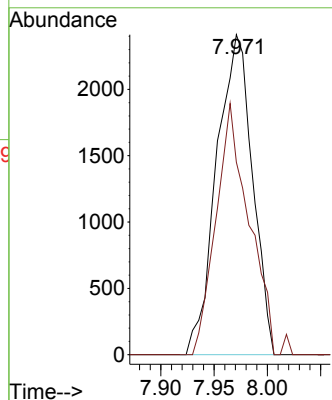
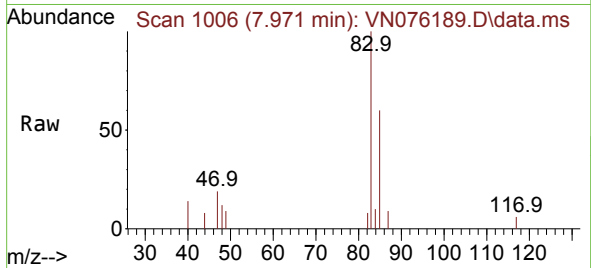




#30
Chloroform
Concen: 0.749 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

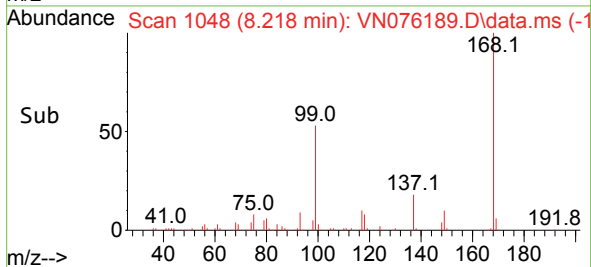
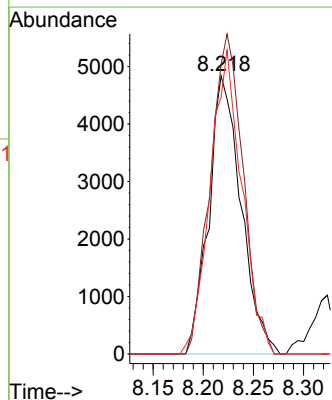
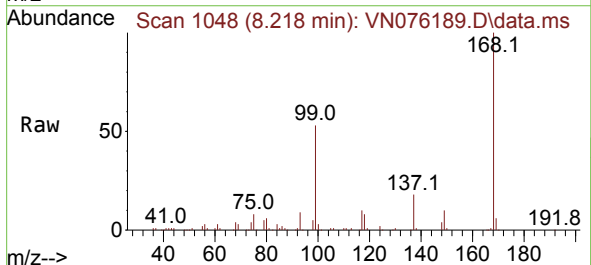
Instrument :
MSVOA_N
ClientSampleId :

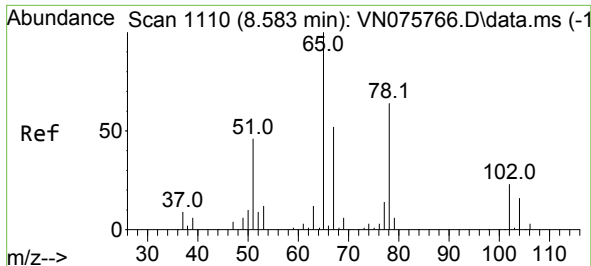
Tgt Ion: 83 Resp: 5647
Ion Ratio Lower Upper
83 100
85 60.2 49.1 73.7



#31
Cyclohexane
Concen: 1.745 ug/l
RT: 8.218 min Scan# 1048
Delta R.T. -0.047 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Tgt Ion: 56 Resp: 10851
Ion Ratio Lower Upper
56 100
69 104.2 24.7 37.1#
84 92.4 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 46.361 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA_N

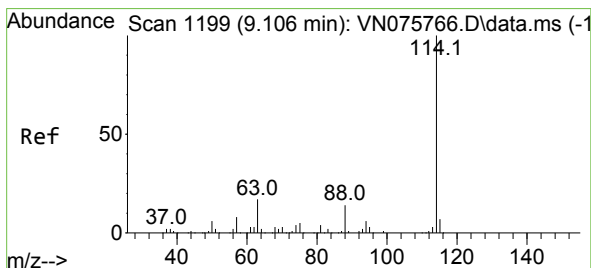
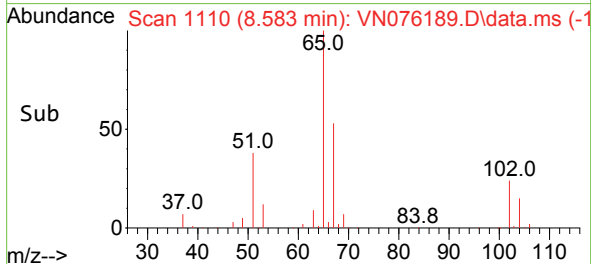
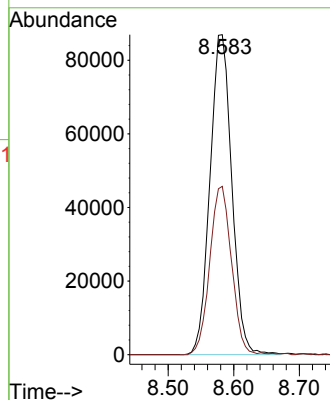
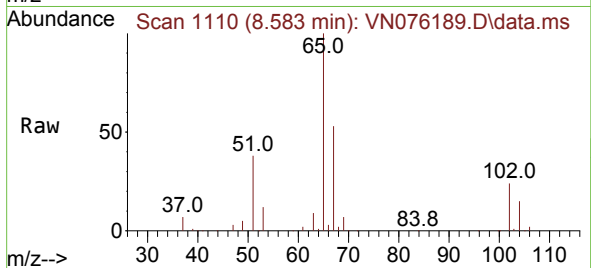
ClientSampleId :

Tgt Ion: 65 Resp: 201307

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

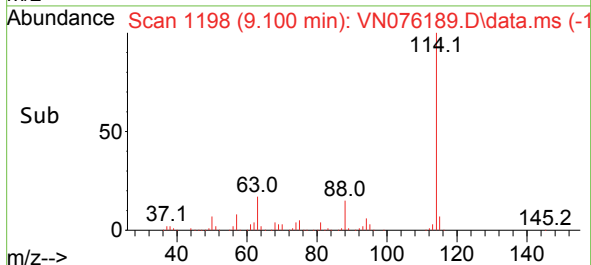
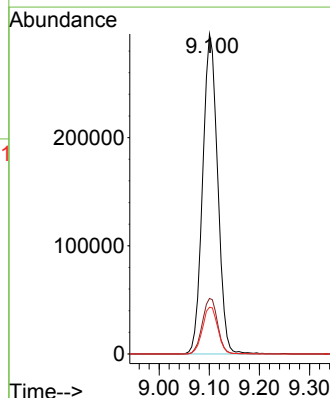
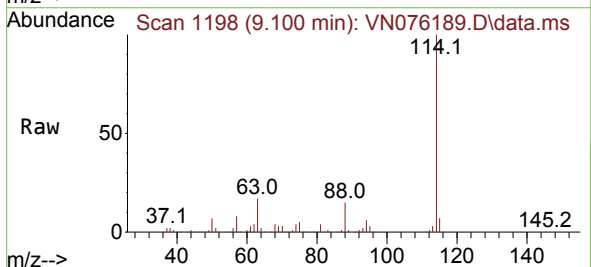
Tgt Ion: 114 Resp: 614931

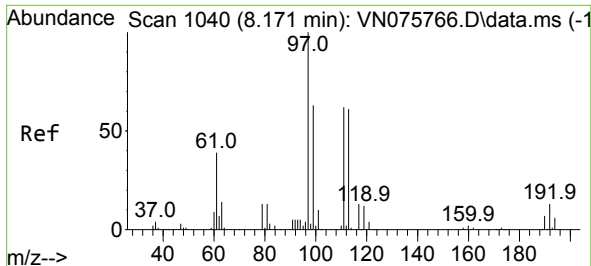
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 45.357 ug/l

RT: 8.165 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :

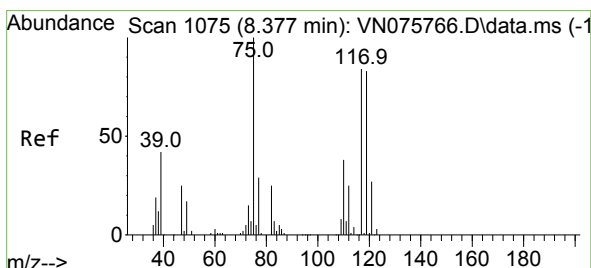
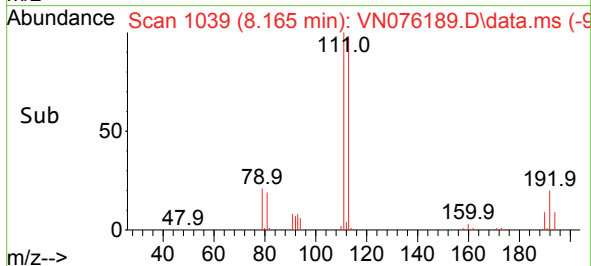
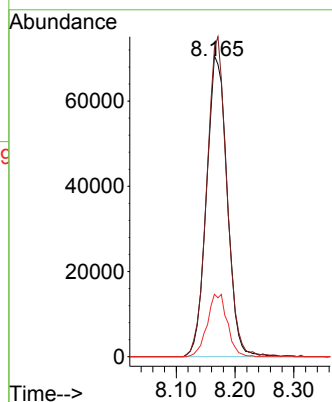
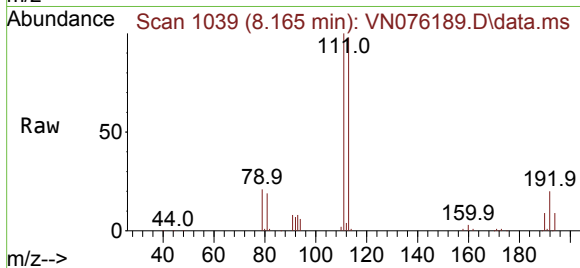
Tgt Ion:113 Resp: 172728

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 20.2 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.538 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

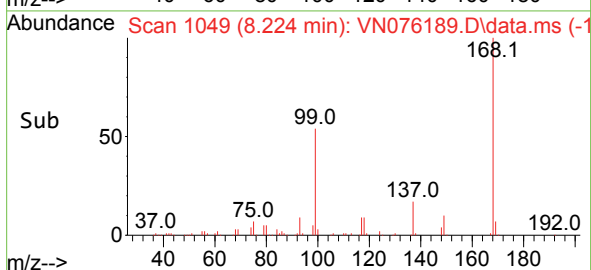
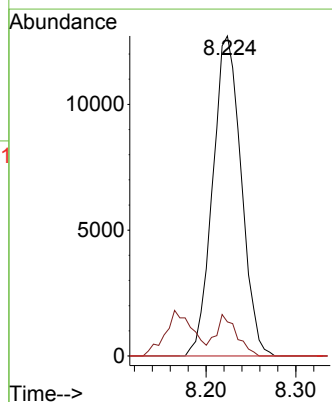
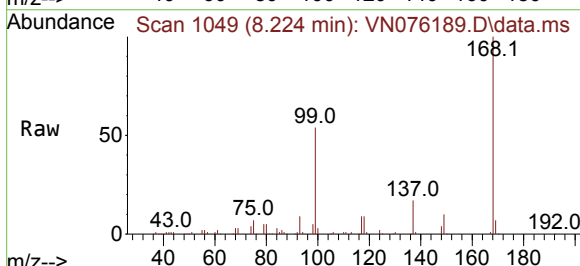
Tgt Ion: 75 Resp: 28016

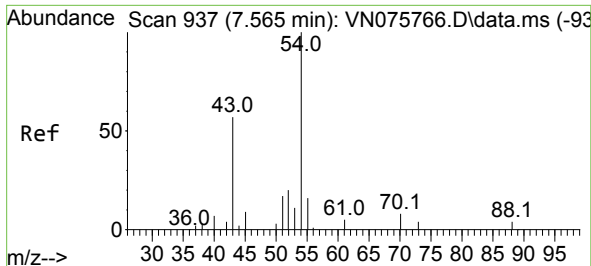
Ion Ratio Lower Upper

75 100

110 9.4 18.8 56.4#

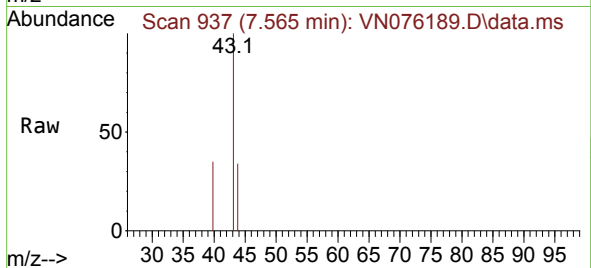
77 0.0 24.1 36.1#



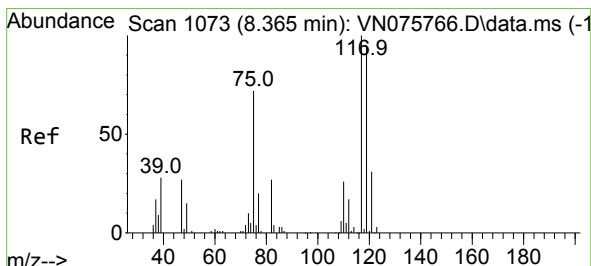
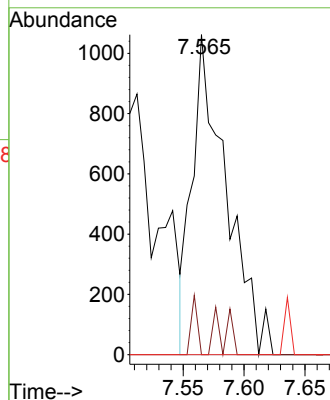
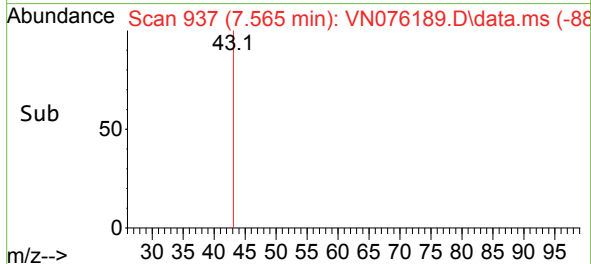


#37
Ethyl Acetate
Concen: 0.508 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

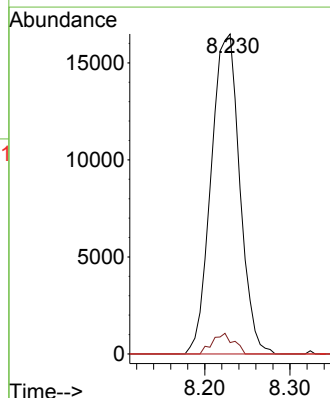
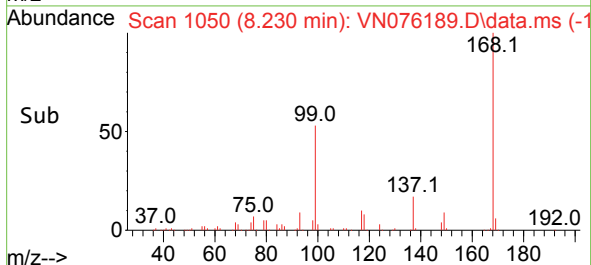
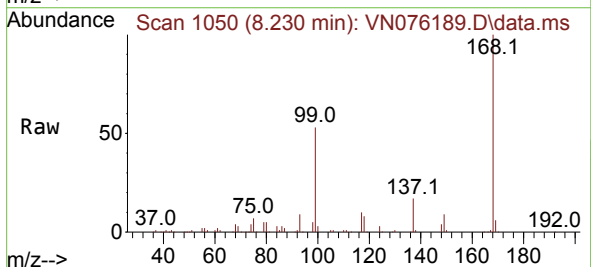


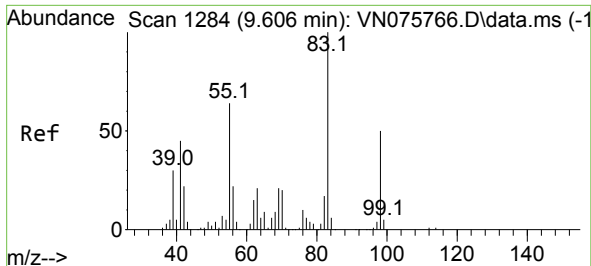
Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
61 3.3 13.0 19.4#
70 0.0 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.787 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Tgt Ion: 117 Resp: 38426
Ion Ratio Lower Upper
117 100
119 3.6 76.1 114.1#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.263 ug/l

RT: 9.600 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :

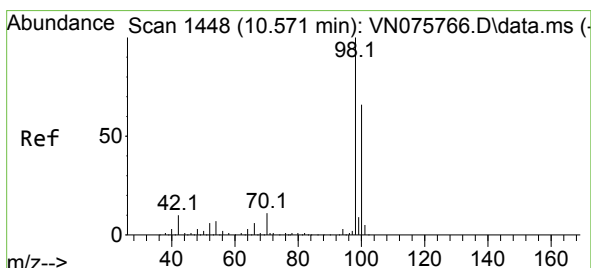
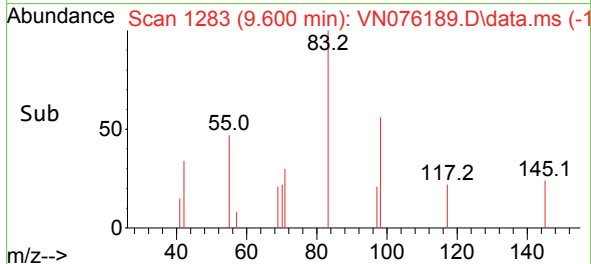
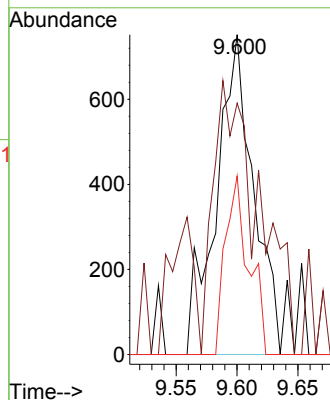
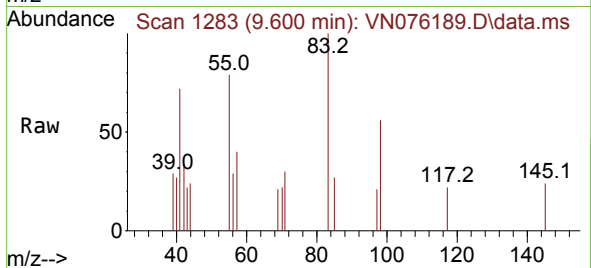
Tgt Ion: 83 Resp: 1603

Ion Ratio Lower Upper

83 100

55 45.6 51.4 77.0#

98 55.9 39.8 59.8



#50

Toluene-d8

Concen: 49.472 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN076189.D

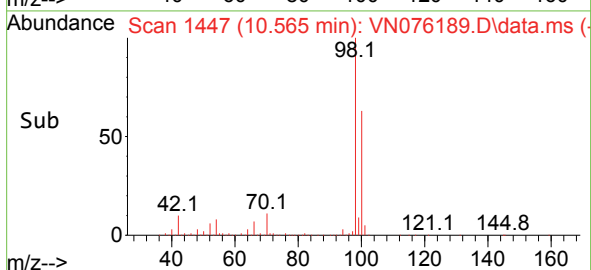
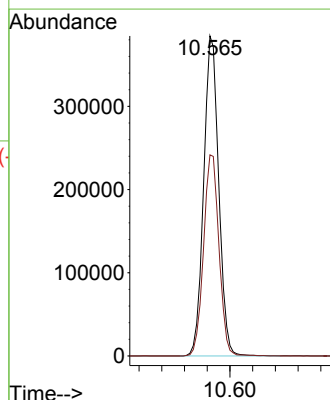
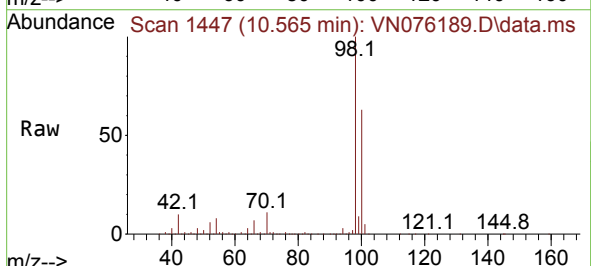
Acq: 10 Jan 2023 18:00

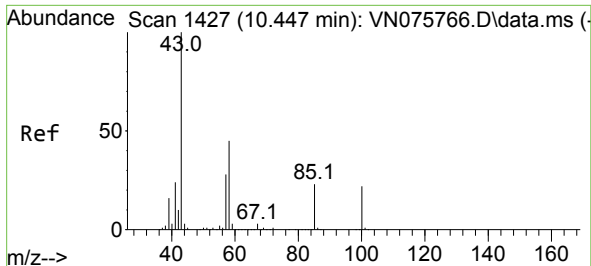
Tgt Ion: 98 Resp: 704398

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

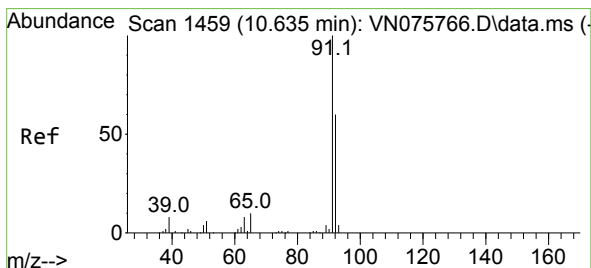
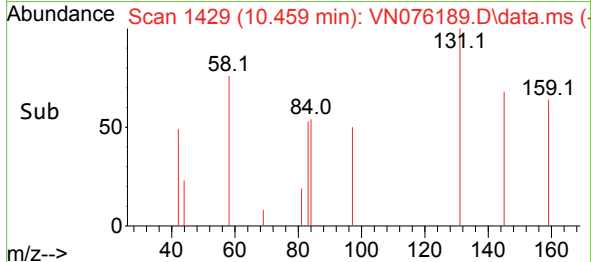
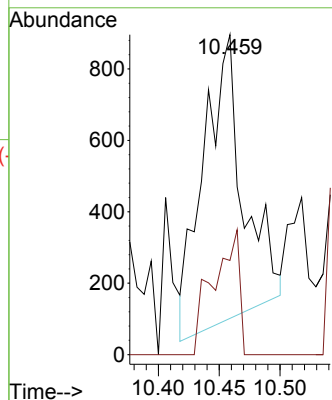
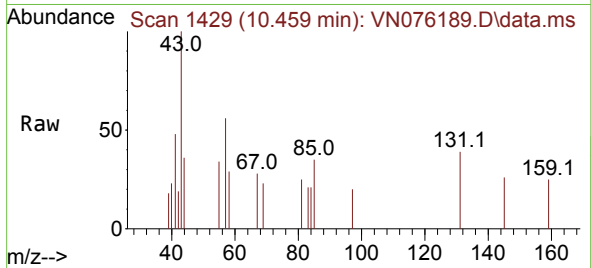




#51
4-Methyl-2-Pentanone
Concen: 0.453 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

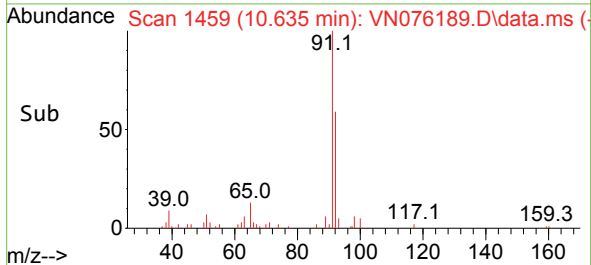
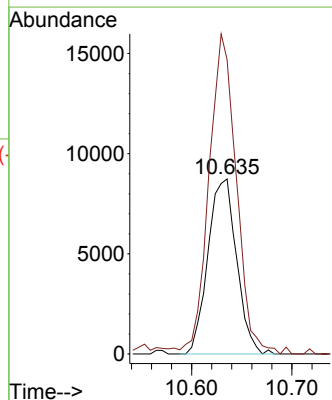
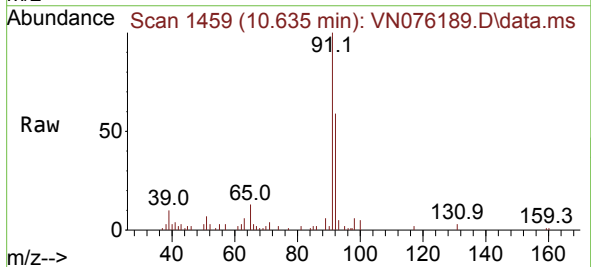
Instrument :
MSVOA_N
ClientSampleId :

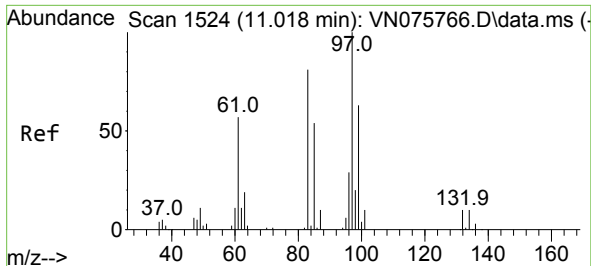
Tgt Ion: 43 Resp: 1835
Ion Ratio Lower Upper
43 100
58 28.4 35.5 53.3#



#52
Toluene
Concen: 1.709 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

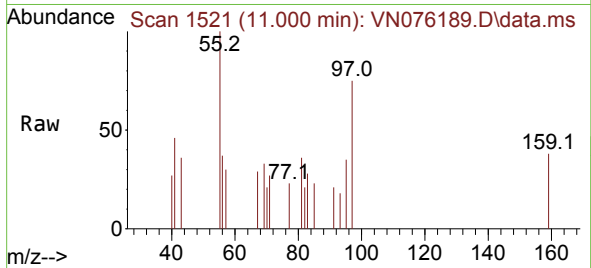
Tgt Ion: 92 Resp: 17368
Ion Ratio Lower Upper
92 100
91 174.0 137.3 205.9



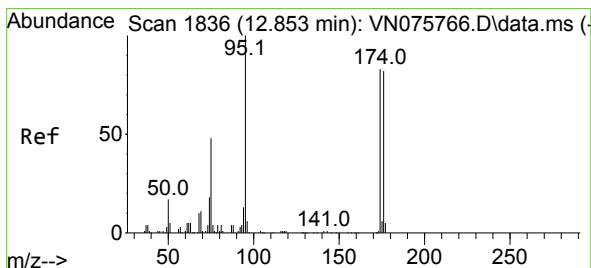
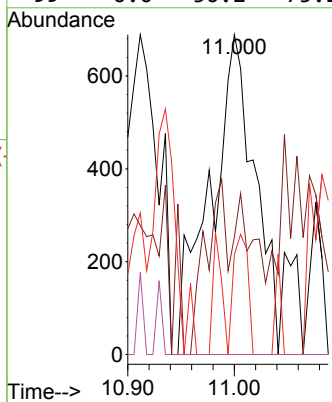
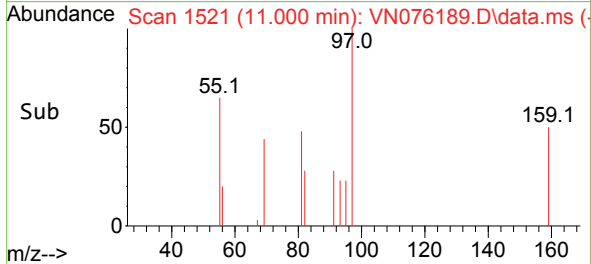


#55
1,1,2-Trichloroethane
Concen: 0.499 ug/l
RT: 11.000 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

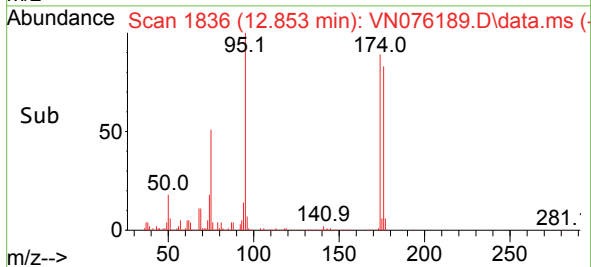
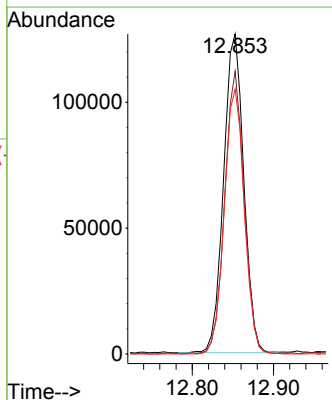
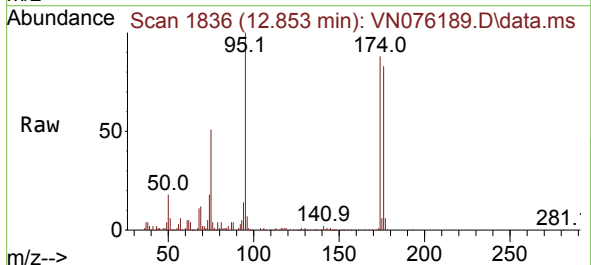


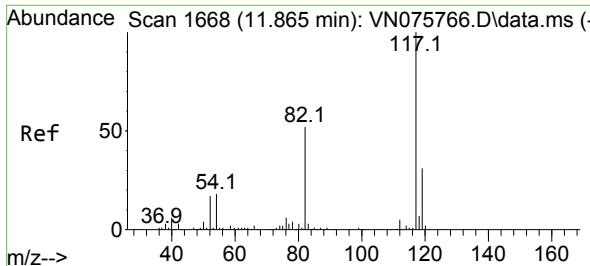
Tgt Ion: 97 Resp: 1990
Ion Ratio Lower Upper
97 100
83 11.6 65.0 97.4#
85 2.5 43.0 64.6#
99 0.0 50.2 75.2#



#62
4-Bromofluorobenzene
Concen: 46.248 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

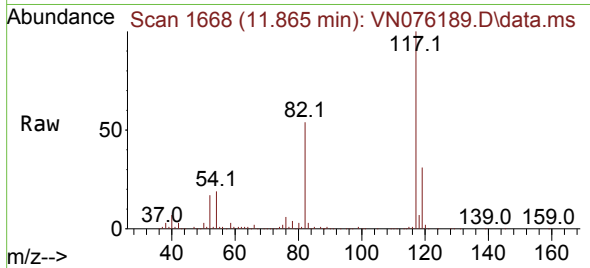
Tgt Ion: 95 Resp: 218099
Ion Ratio Lower Upper
95 100
174 86.4 0.0 171.6
176 82.6 0.0 169.2



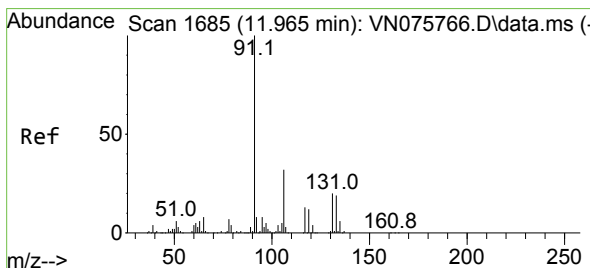
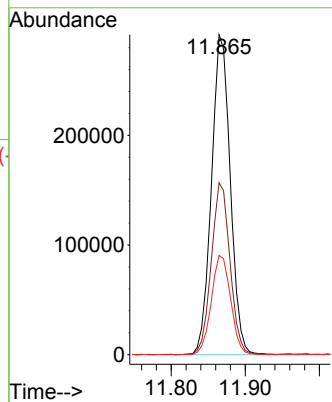
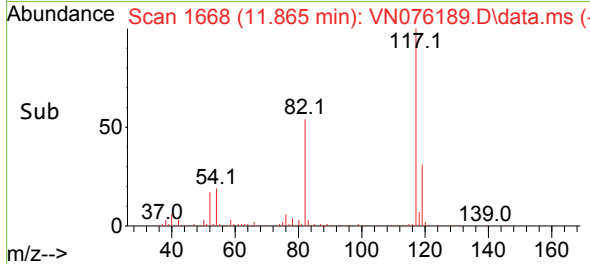


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

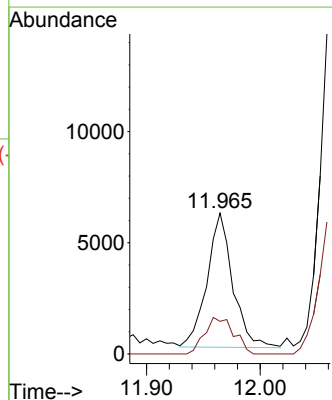
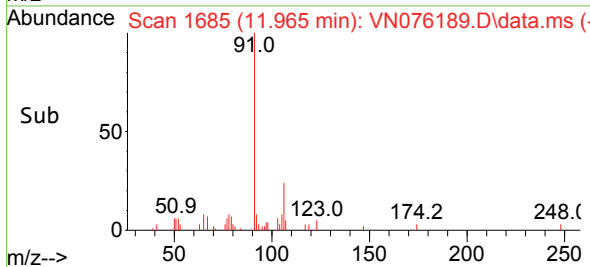
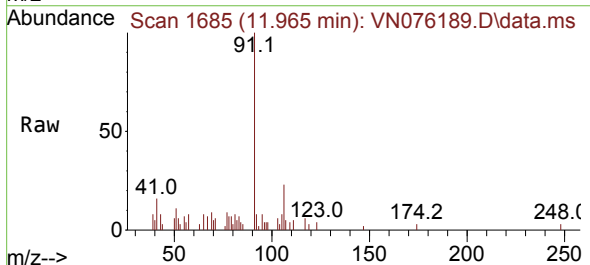


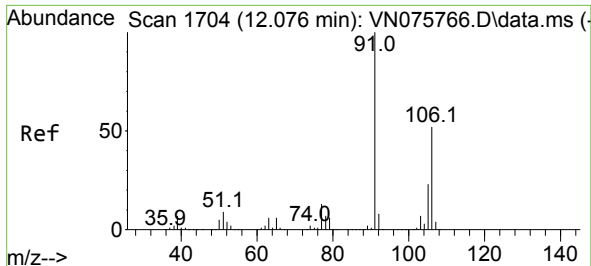
Tgt Ion:117 Resp: 514008
Ion Ratio Lower Upper
117 100
82 53.7 41.3 61.9
119 30.9 24.6 37.0



#67
Ethyl Benzene
Concen: 0.535 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Tgt Ion: 91 Resp: 9519
Ion Ratio Lower Upper
91 100
106 24.5 25.7 38.5#

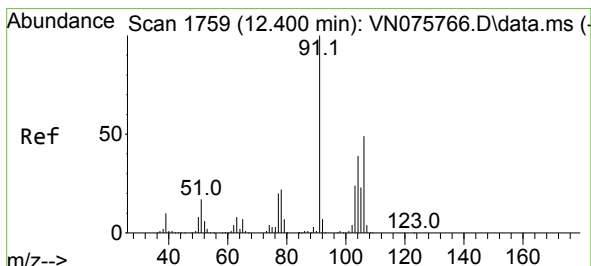
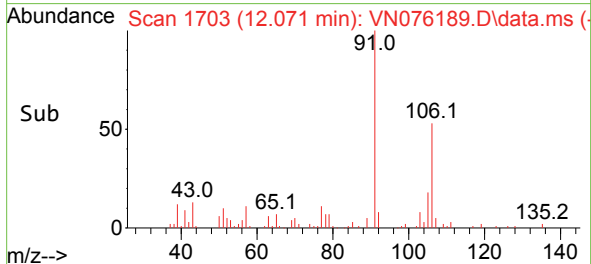
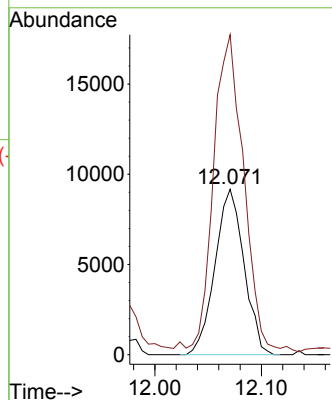
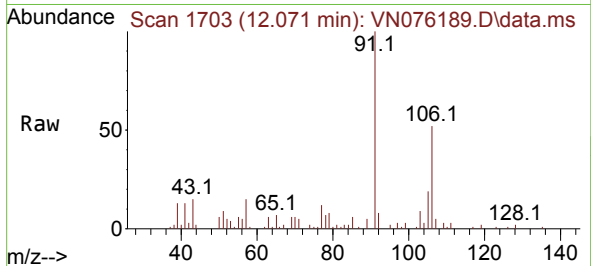




#68
m/p-Xylenes
Concen: 2.461 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

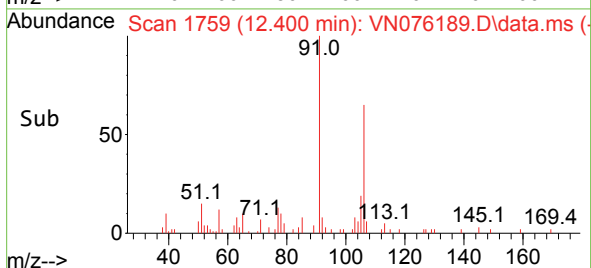
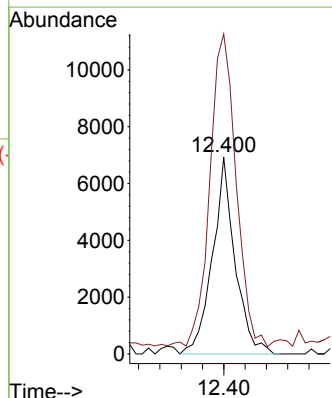
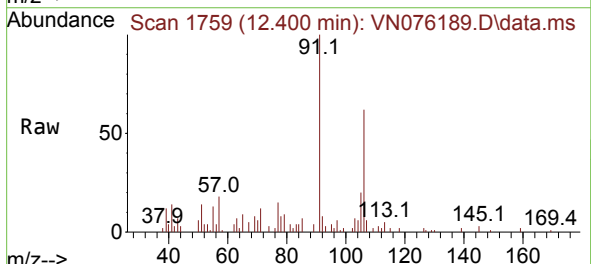
Instrument :
MSVOA_N
ClientSampleId :

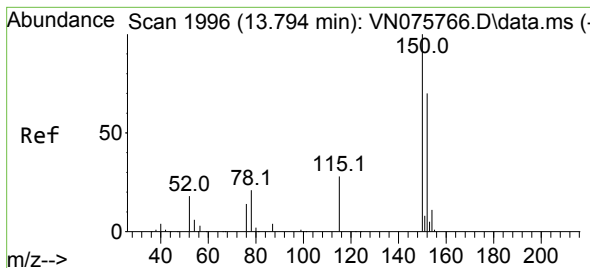
Tgt Ion:106 Resp: 17341
Ion Ratio Lower Upper
106 100
91 200.1 156.6 235.0



#69
o-Xylene
Concen: 1.461 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Tgt Ion:106 Resp: 10189
Ion Ratio Lower Upper
106 100
91 184.3 103.8 311.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

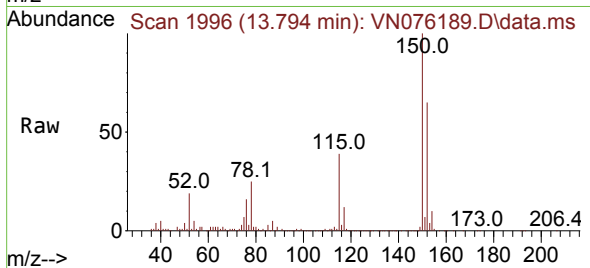
Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :



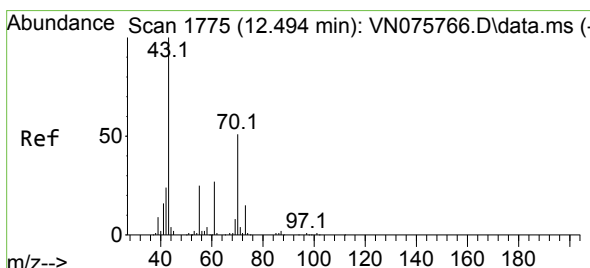
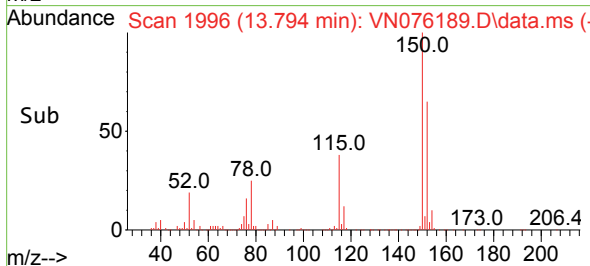
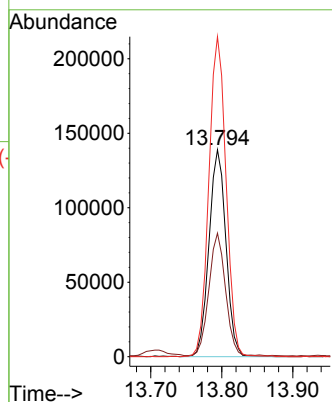
Tgt Ion:152 Resp: 230849

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.4

150 156.4 0.0 347.0



#74

N-ethyl acetate

Concen: 0.315 ug/l

RT: 12.476 min Scan# 1772

Delta R.T. -0.018 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Tgt Ion: 43 Resp: 1540

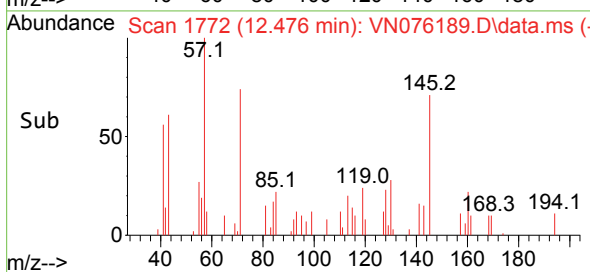
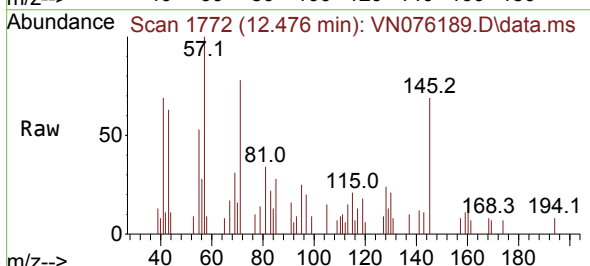
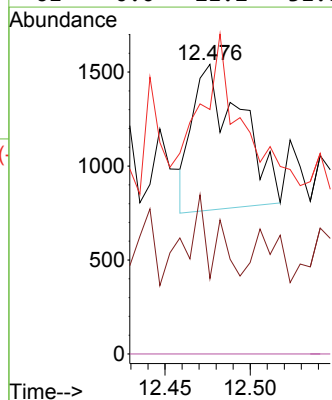
Ion Ratio Lower Upper

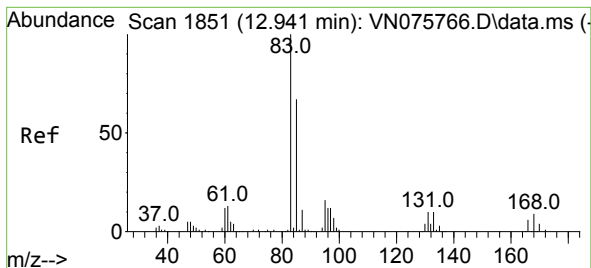
43 100

70 25.2 41.4 62.0#

55 83.6 21.3 31.9#

61 0.0 21.2 31.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.317 ug/l

RT: 12.965 min Scan# 1855

Delta R.T. 0.024 min

Lab File: VN076189.D

Acq: 10 Jan 2023 18:00

Instrument :

MSVOA_N

ClientSampleId :

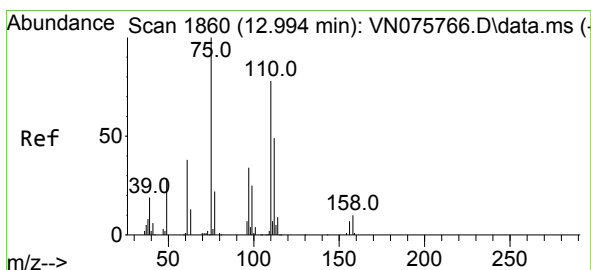
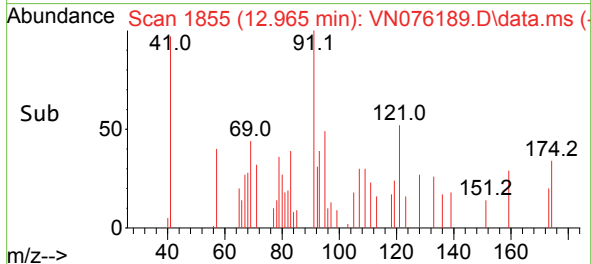
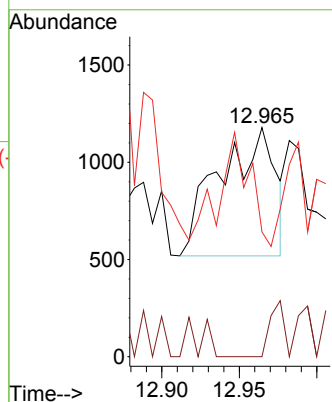
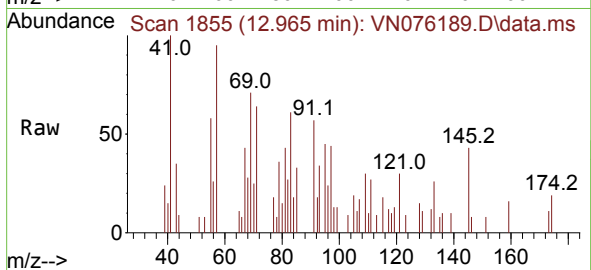
Tgt Ion: 83 Resp: 1637

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

85 0.0 32.6 98.0#



#76

1,2,3-Trichloropropane

Concen: 24.028 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076189.D

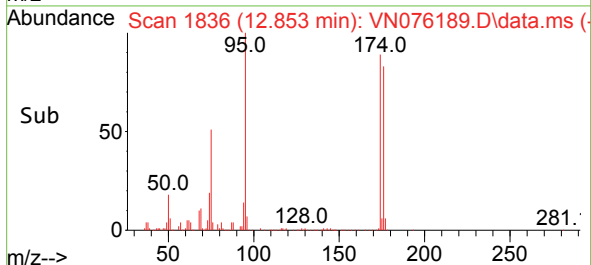
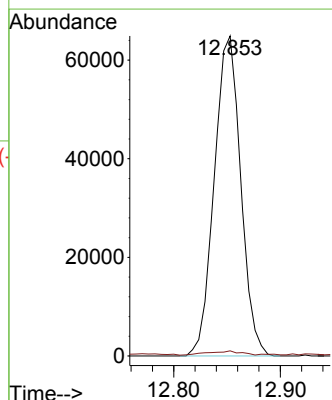
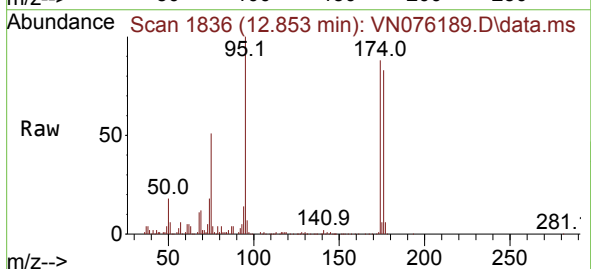
Acq: 10 Jan 2023 18:00

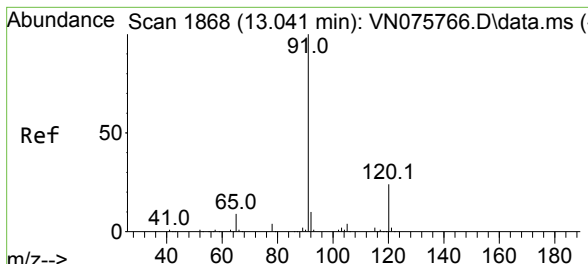
Tgt Ion: 75 Resp: 111810

Ion Ratio Lower Upper

75 100

77 1.5 82.6 247.8#

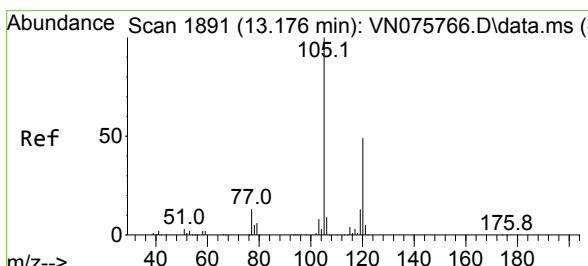
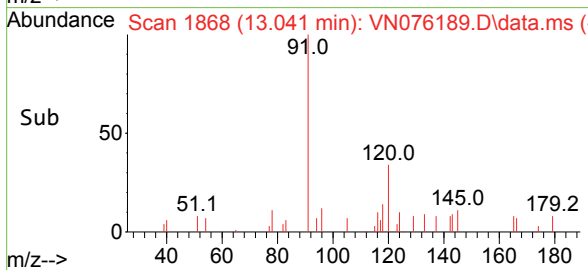
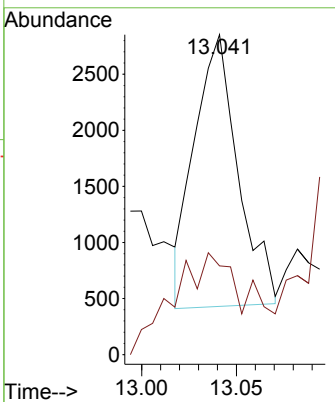
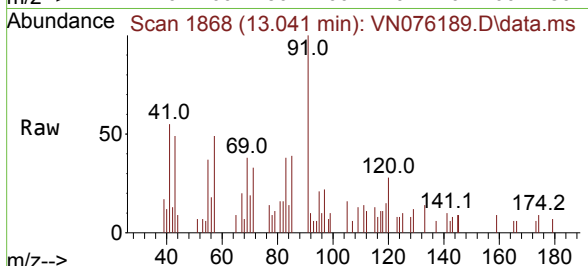




#78
 n-propylbenzene
 Concen: 0.211 ug/l
 RT: 13.041 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN076189.D
 Acq: 10 Jan 2023 18:00

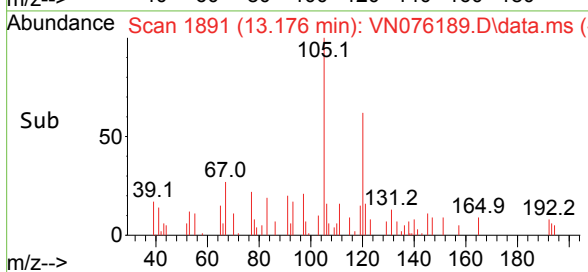
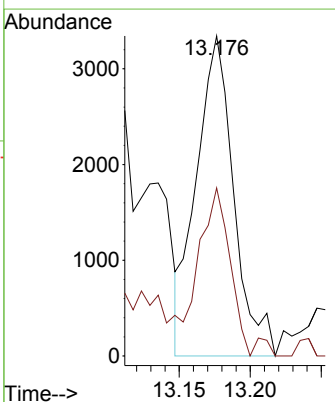
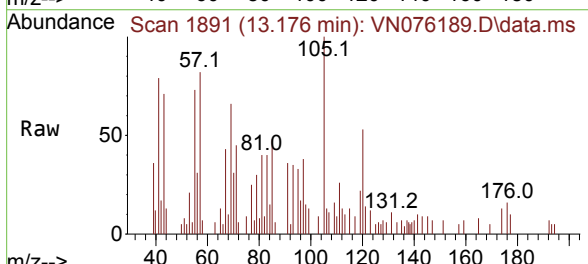
Instrument :
 MSVOA_N
 ClientSampleId :

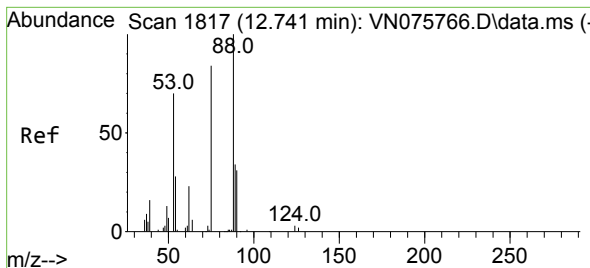
Tgt Ion: 91 Resp: 3884
 Ion Ratio Lower Upper
 91 100
 120 65.0 12.0 36.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.439 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VN076189.D
 Acq: 10 Jan 2023 18:00

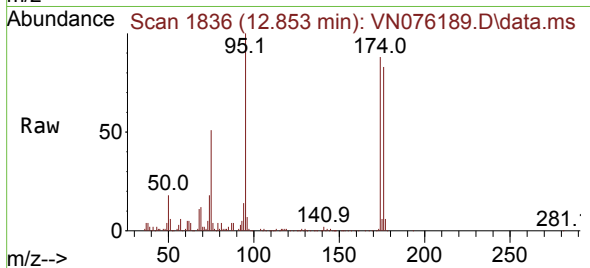
Tgt Ion: 105 Resp: 6134
 Ion Ratio Lower Upper
 105 100
 120 42.1 24.7 74.1



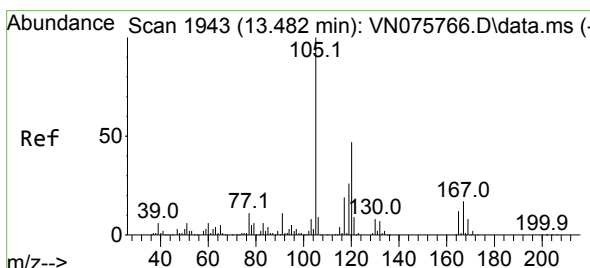
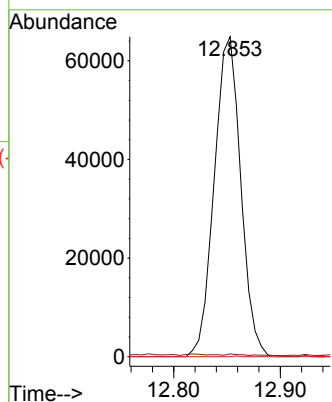
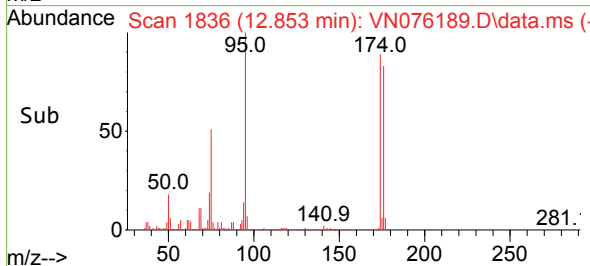


#81
trans-1,4-Dichloro-2-butene
Concen: 86.488 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

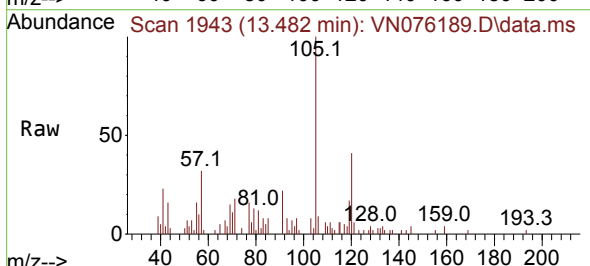
Instrument :
MSVOA_N
ClientSampleId :



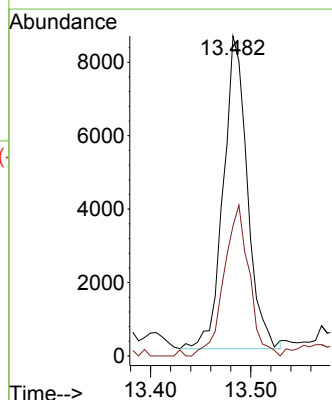
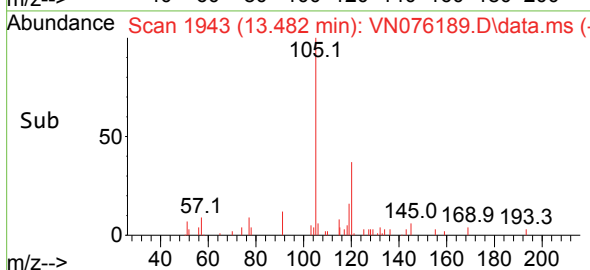
Tgt Ion: 75 Resp: 111810
Ion Ratio Lower Upper
75 100
53 0.7 73.8 110.6#
89 0.0 39.5 59.3#

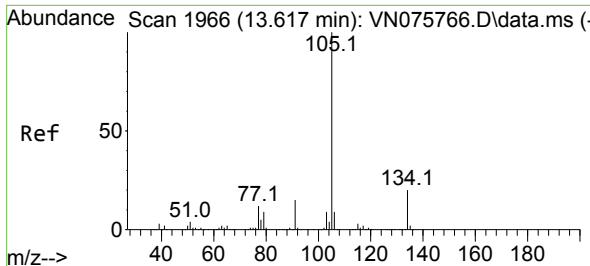


#84
1,2,4-Trimethylbenzene
Concen: 1.025 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00



Tgt Ion: 105 Resp: 14191
Ion Ratio Lower Upper
105 100
120 50.1 23.3 69.8

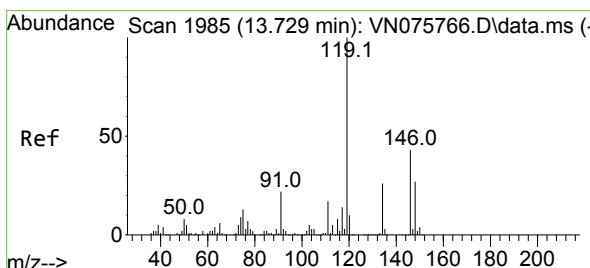
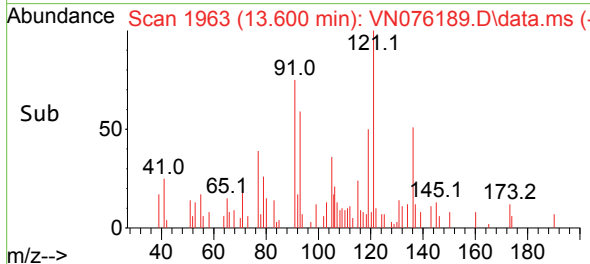
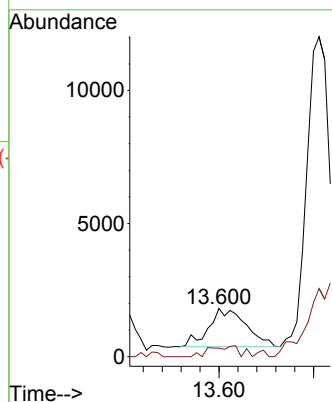
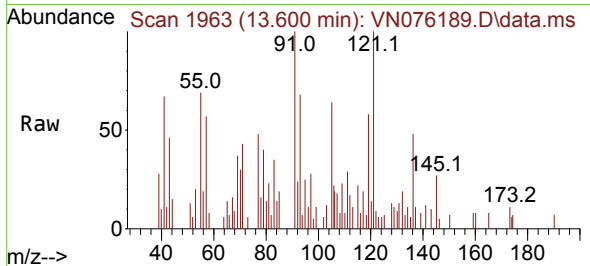




#85
 sec-Butylbenzene
 Concen: 0.230 ug/l
 RT: 13.600 min Scan# 1963
 Delta R.T. -0.018 min
 Lab File: VN076189.D
 Acq: 10 Jan 2023 18:00

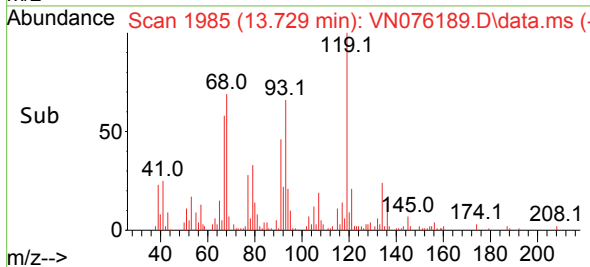
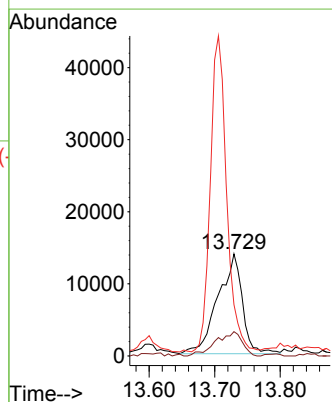
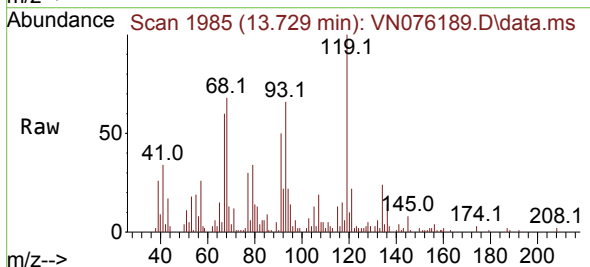
Instrument :
 MSVOA_N
 ClientSampleId :

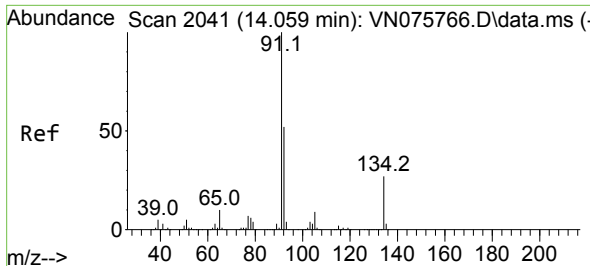
Tgt Ion:105 Resp: 3911
 Ion Ratio Lower Upper
 105 100
 134 12.8 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 2.546 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: VN076189.D
 Acq: 10 Jan 2023 18:00

Tgt Ion:119 Resp: 35992
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 0.0 11.2 33.6#

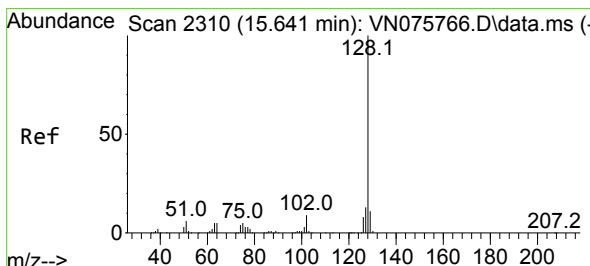
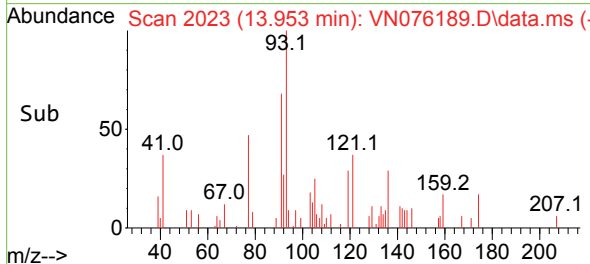
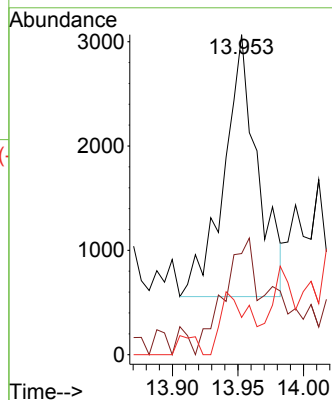
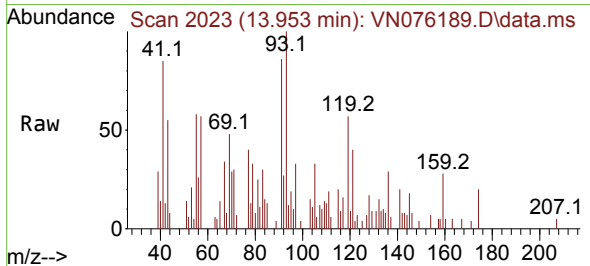




#89
n-Butylbenzene
Concen: 0.391 ug/l
RT: 13.953 min Scan# 2041
Delta R.T. -0.106 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 4483
Ion Ratio Lower Upper
91 100
92 45.0 26.4 79.2
134 19.6 13.4 40.2



#95
Naphthalene
Concen: 2.534 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076189.D
Acq: 10 Jan 2023 18:00

Tgt Ion:128 Resp: 4687
Ion Ratio Lower Upper
128 100
127 20.5 10.4 15.6#
129 22.1 8.7 13.1#

