

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011023\
 Data File : VN076191.D
 Acq On : 10 Jan 2023 18:48
 Operator : JC\MD
 Sample : 01061-09DL 10X
 Misc : 1.00gr/10mL/100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 11 01:09:43 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)

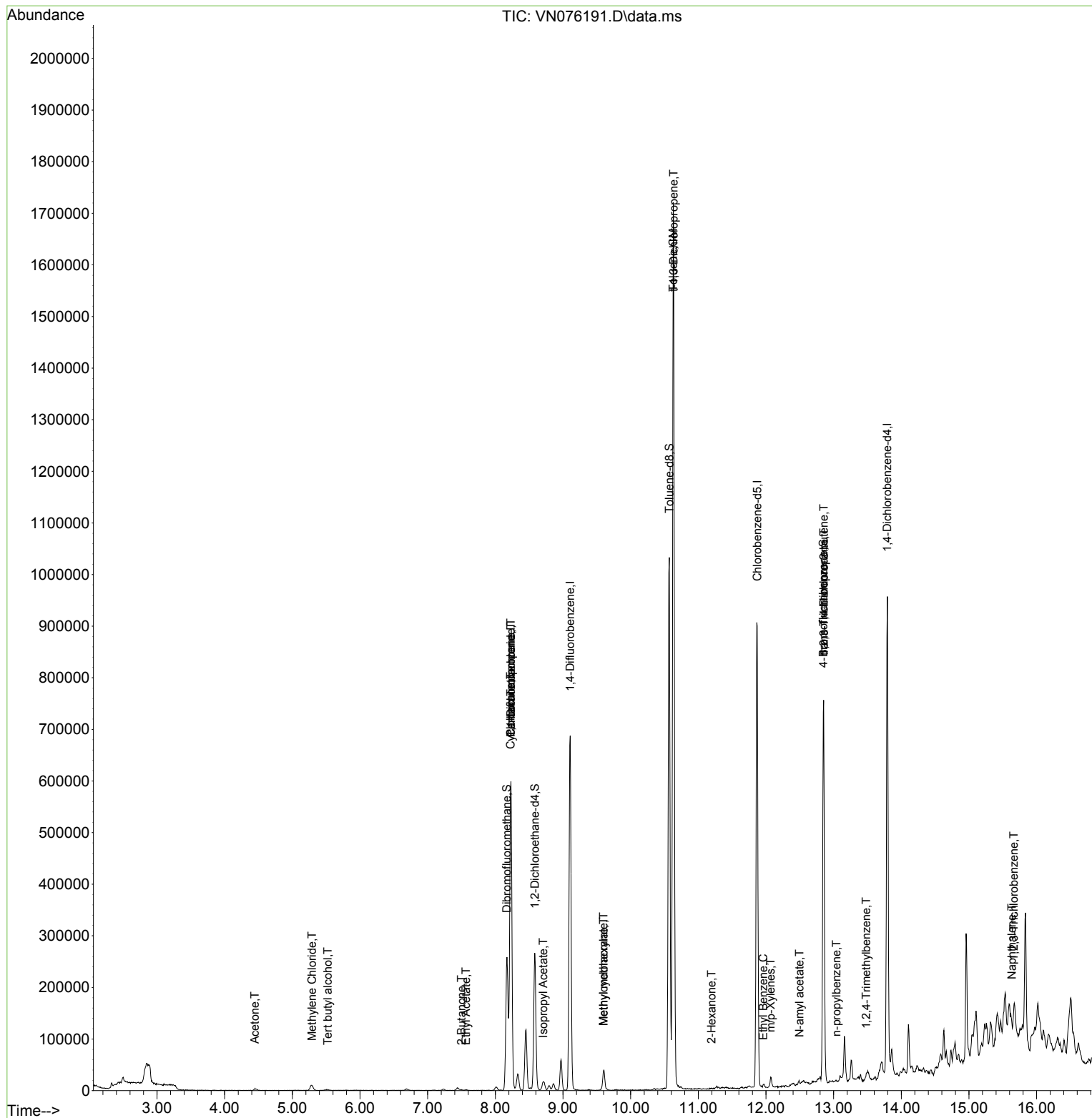
Internal Standards						
1) Pentafluorobenzene	8.230	168	409868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	642981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	566108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	265282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	210337	47.172	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.340%		
35) Dibromofluoromethane	8.171	113	184391	46.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.620%		
50) Toluene-d8	10.571	98	734631	49.344	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.680%		
62) 4-Bromofluorobenzene	12.847	95	250932	50.889	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.780%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	1895	3.003	ug/l #	72
16) Acetone	4.448	43	6700	4.359	ug/l #	85
20) Methylene Chloride	5.289	84	9268	1.635	ug/l	94
25) 2-Butanone	7.500	43	1662	0.772	ug/l	99
31) Cyclohexane	8.224	56	25235	3.952	ug/l #	61
36) 1,1-Dichloropropene	8.230	75	28679	5.422	ug/l #	51
37) Ethyl Acetate	7.565	43	1960	0.461	ug/l #	87
38) Carbon Tetrachloride	8.230	117	40570	6.853	ug/l #	15
39) Methylcyclohexane	9.600	83	17931	2.810	ug/l	91
43) Isopropyl Acetate	8.706	43	7861	1.122	ug/l #	50
48) Methyl methacrylate	9.600	41	7939	2.515	ug/l #	65
52) Toluene	10.629	92	786463	73.993	ug/l	100
53) t-1,3-Dichloropropene	10.635	75	8621	1.525	ug/l #	1
59) 2-Hexanone	11.194	43	866	0.280	ug/l #	29
67) Ethyl Benzene	11.959	91	6136	0.313	ug/l #	77
68) m/p-Xylenes	12.071	106	2197	0.283	ug/l #	18
74) N-amyl acetate	12.494	43	1292	0.230	ug/l #	66
76) 1,2,3-Trichloropropane	12.853	75	129381	24.195	ug/l #	1
78) n-propylbenzene	13.041	91	5170	0.245	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.853	75	129381	87.090	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	8582	0.539	ug/l	100
95) Naphthalene	15.635	128	3467	2.407	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.664	180	1390	0.340	ug/l	73

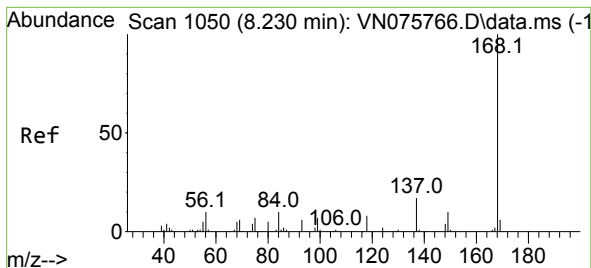
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN076191.D
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MSVOA_N
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Quant Time: Jan 11 01:09:43 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

Instrument :

MSVOA_N

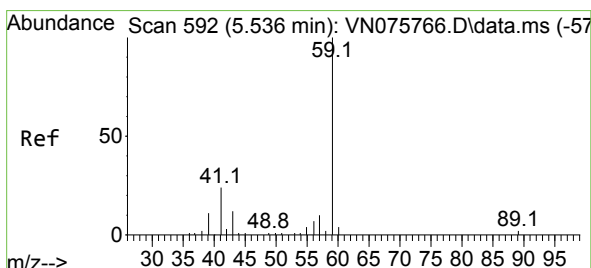
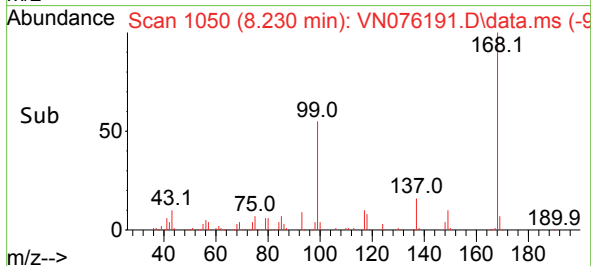
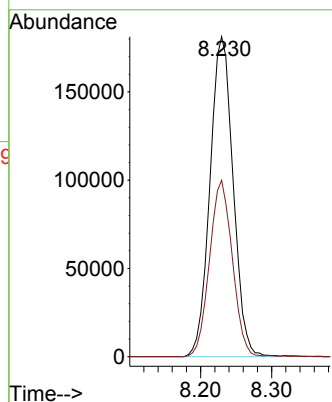
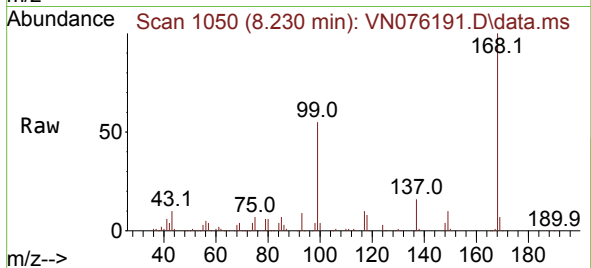
ClientSampleId :

Tgt Ion:168 Resp: 409868

Ion Ratio Lower Upper

168 100

99 55.1 44.2 66.4



#11

Tert butyl alcohol

Concen: 3.003 ug/l

RT: 5.524 min Scan# 590

Delta R.T. -0.012 min

Lab File: VN076191.D

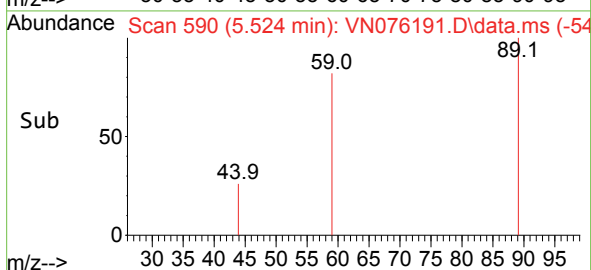
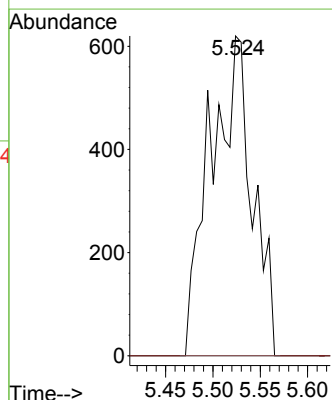
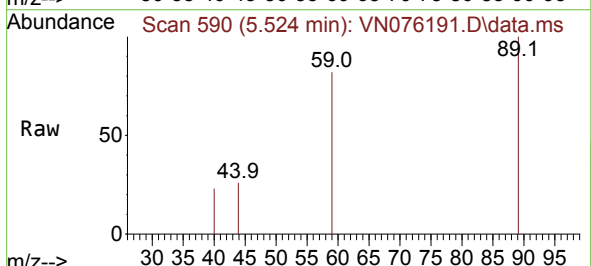
Acq: 10 Jan 2023 18:48

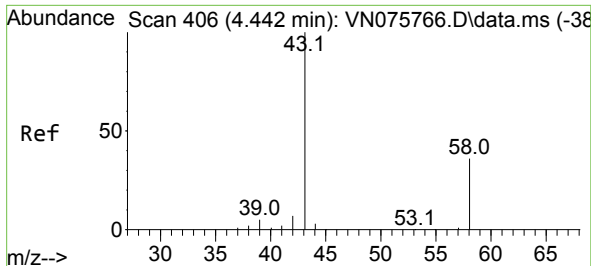
Tgt Ion: 59 Resp: 1895

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

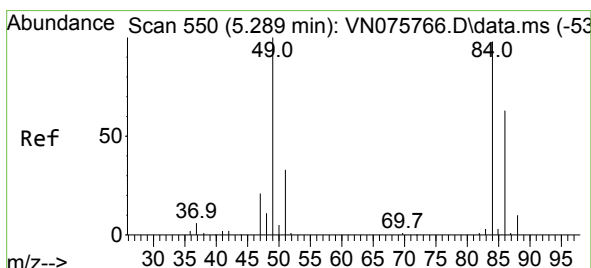
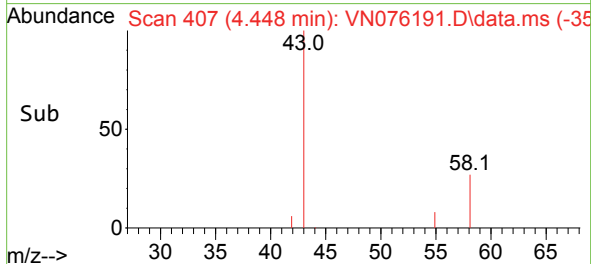
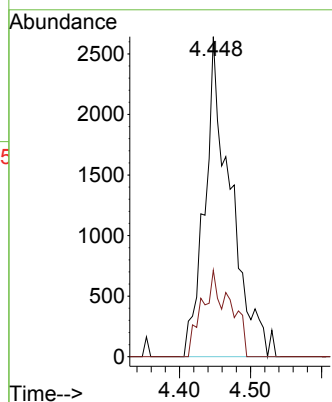
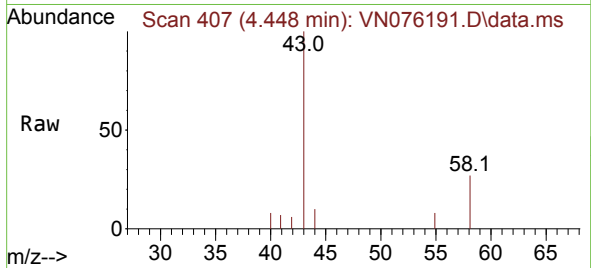




#16
Acetone
Concen: 4.359 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

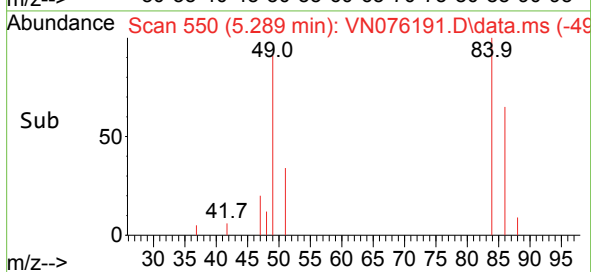
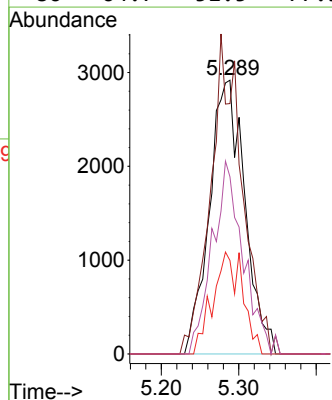
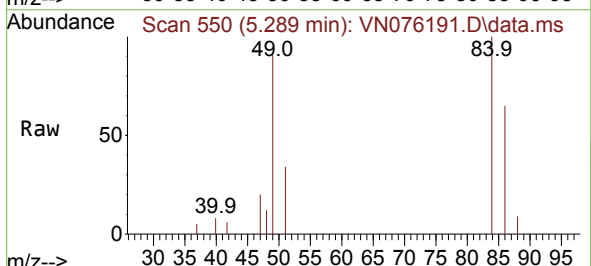
Instrument :
MSVOA_N
ClientSampleId :

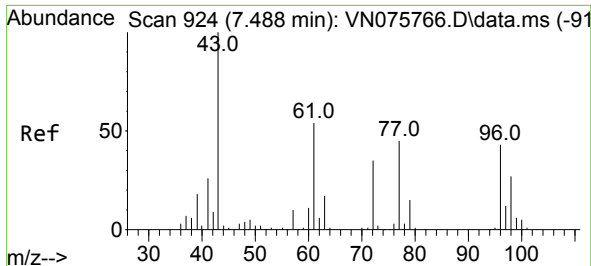
Tgt Ion: 43 Resp: 6700
Ion Ratio Lower Upper
43 100
58 27.0 28.6 43.0#



#20
Methylene Chloride
Concen: 1.635 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

Tgt Ion: 84 Resp: 9268
Ion Ratio Lower Upper
84 100
49 91.4 81.8 122.6
51 34.1 26.7 40.1
86 64.7 51.5 77.3





#25

2-Butanone

Concen: 0.772 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

Instrument :

MSVOA_N

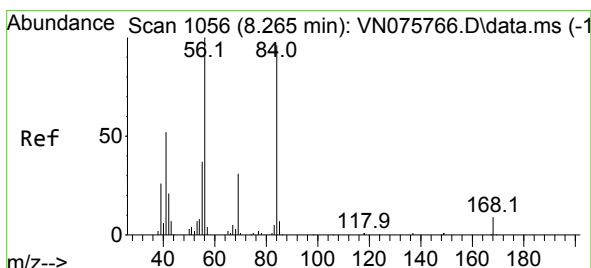
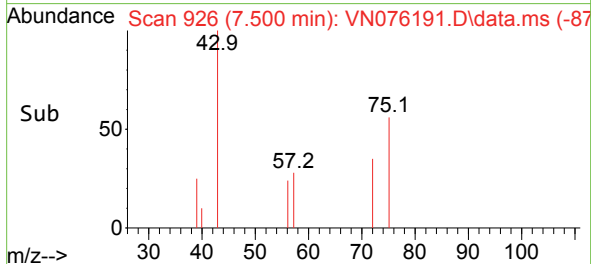
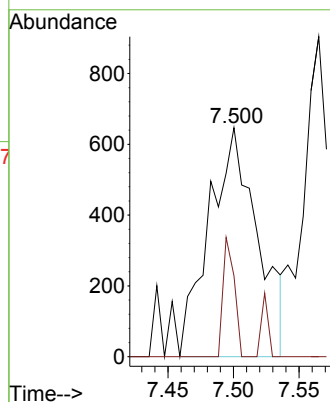
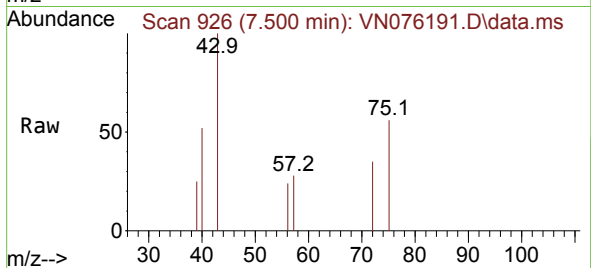
ClientSampleId :

Tgt Ion: 43 Resp: 1662

Ion Ratio Lower Upper

43 100

72 35.4 28.0 42.0



#31

Cyclohexane

Concen: 3.952 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

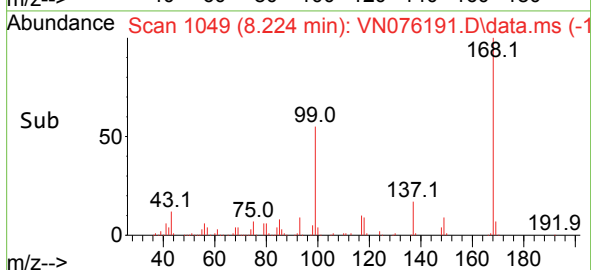
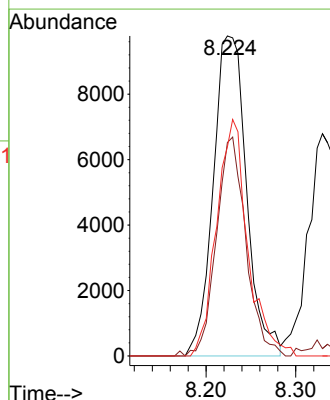
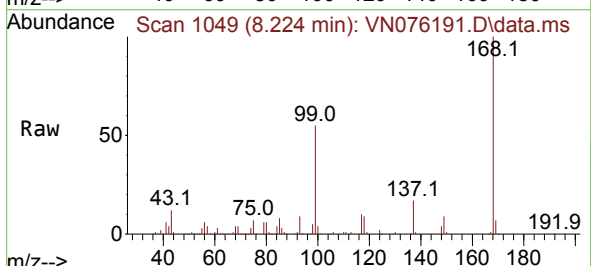
Tgt Ion: 56 Resp: 25235

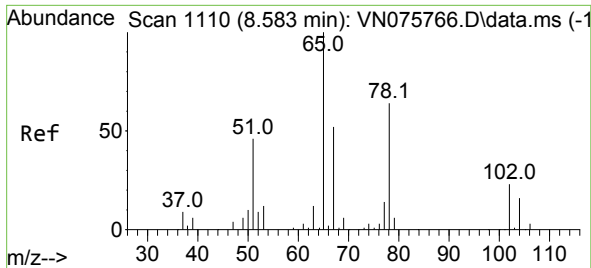
Ion Ratio Lower Upper

56 100

69 65.1 24.7 37.1#

84 65.4 76.5 114.7#

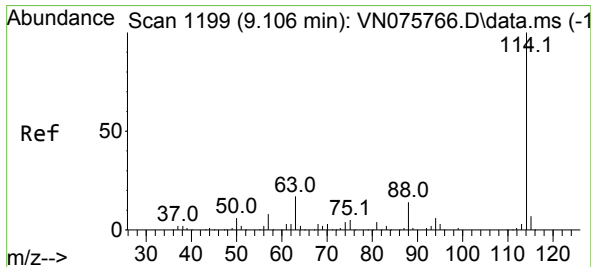
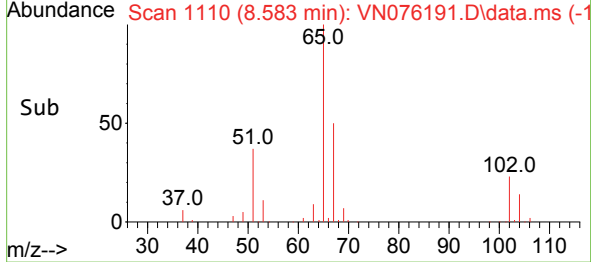
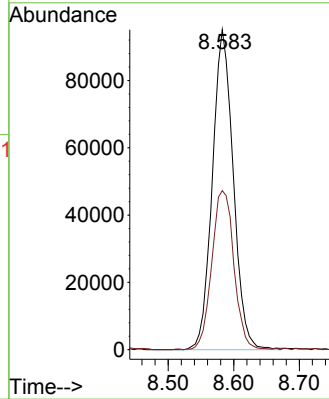
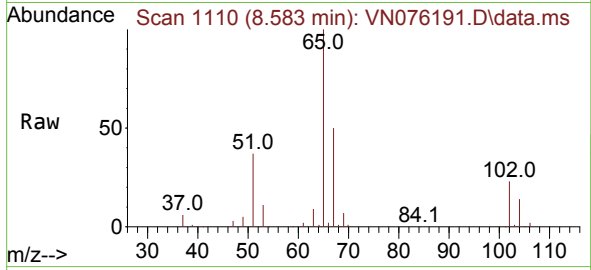




#33
 1,2-Dichloroethane-d4
 Concen: 47.172 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN076191.D
 Acq: 10 Jan 2023 18:48

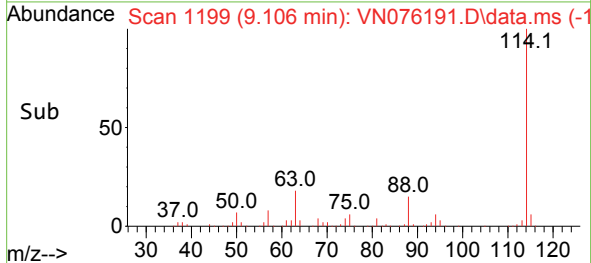
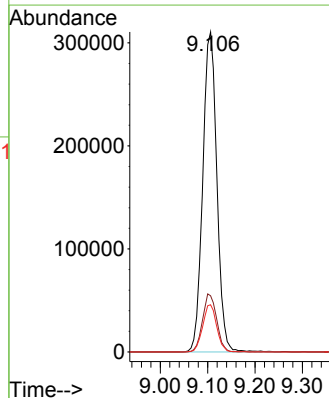
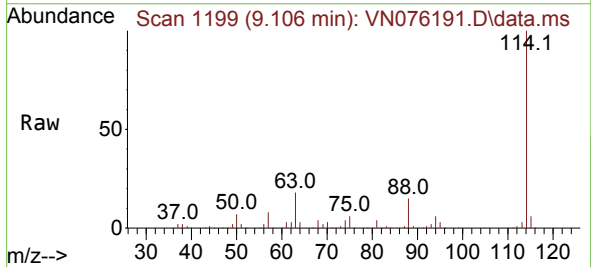
Instrument :
 MSVOA_N
 ClientSampleId :

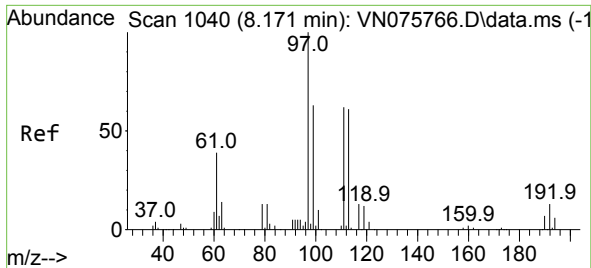
Tgt Ion: 65 Resp: 210337
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN076191.D
 Acq: 10 Jan 2023 18:48

Tgt Ion: 114 Resp: 642981
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.4
 88 14.8 0.0 28.8

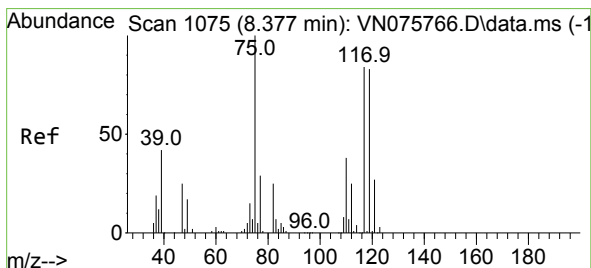
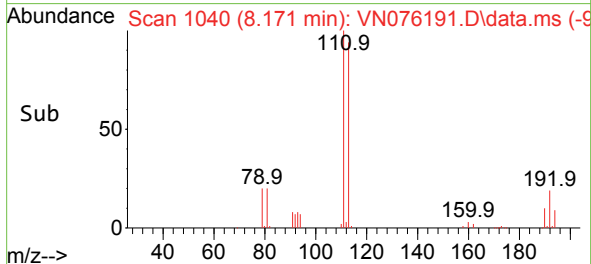
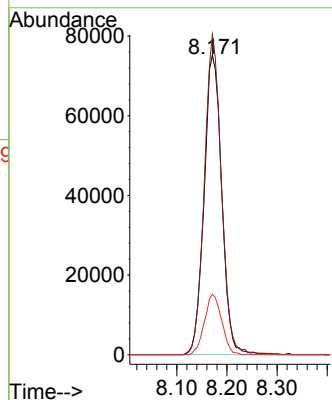
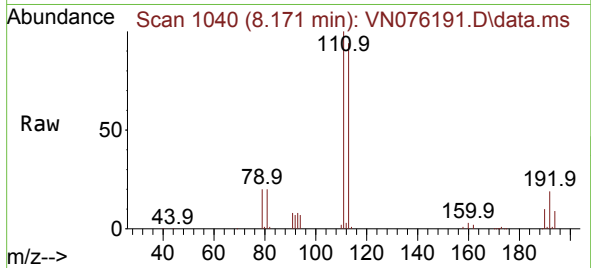




#35
Dibromofluoromethane
Concen: 46.307 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

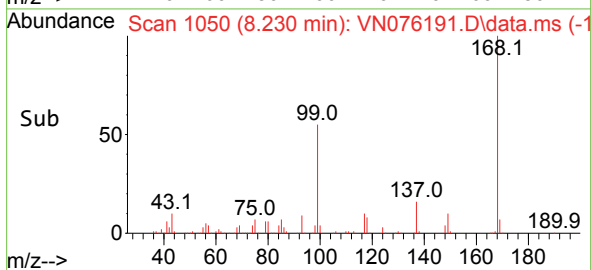
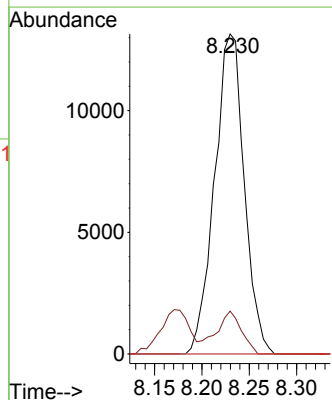
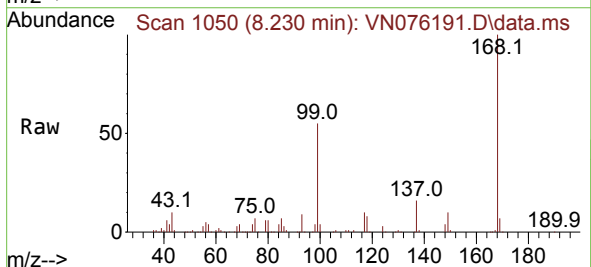
Instrument :
MSVOA_N
ClientSampleId :

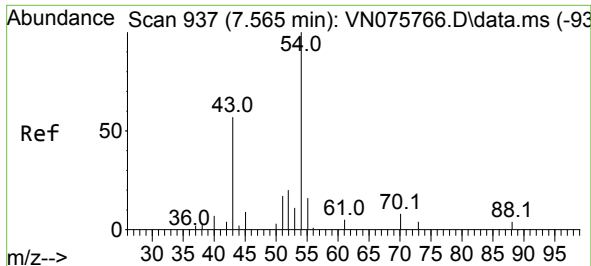
Tgt Ion:113 Resp: 184391
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.422 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

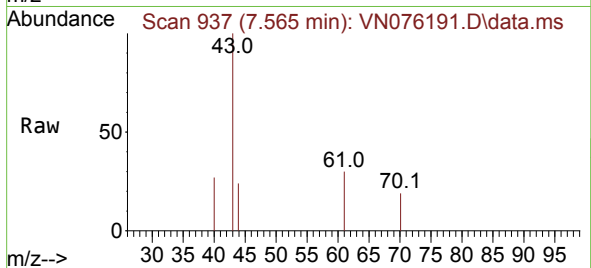
Tgt Ion: 75 Resp: 28679
Ion Ratio Lower Upper
75 100
110 11.0 18.8 56.4#
77 0.0 24.1 36.1#



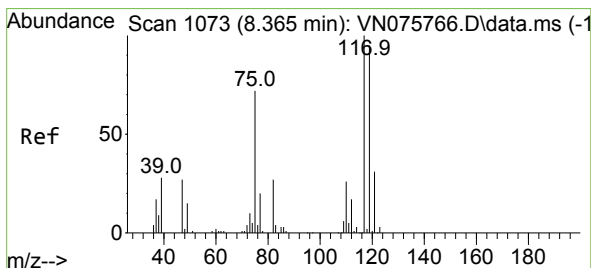
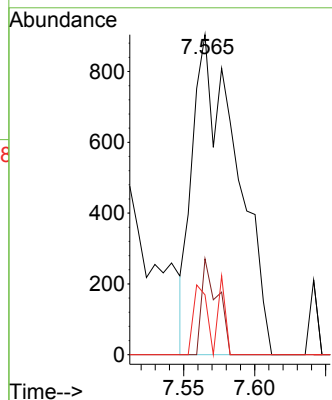
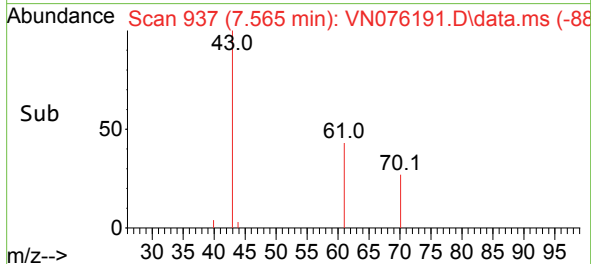


#37
Ethyl Acetate
Concen: 0.461 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

Instrument :
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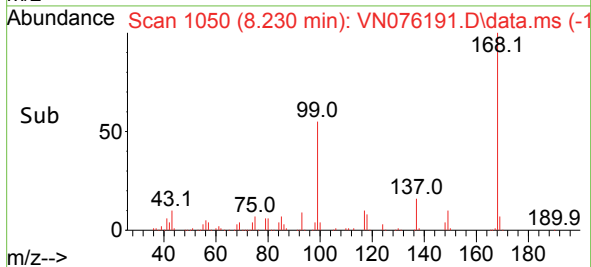
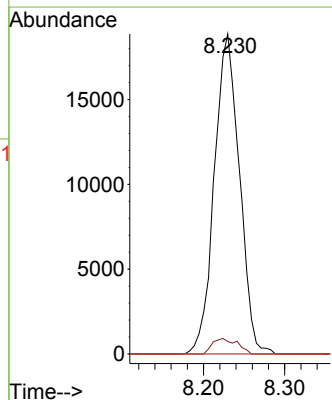
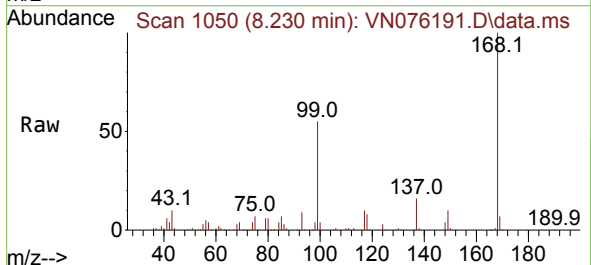


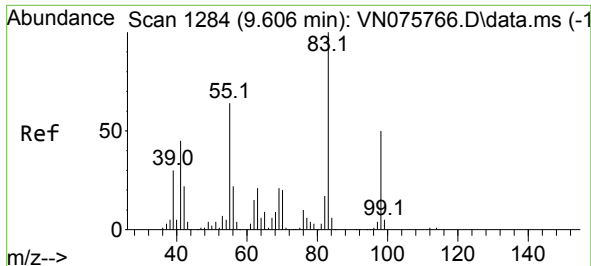
Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
61 10.9 13.0 19.4#
70 6.6 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.853 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

Tgt Ion: 117 Resp: 40570
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.810 ug/l

RT: 9.600 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN076191.D

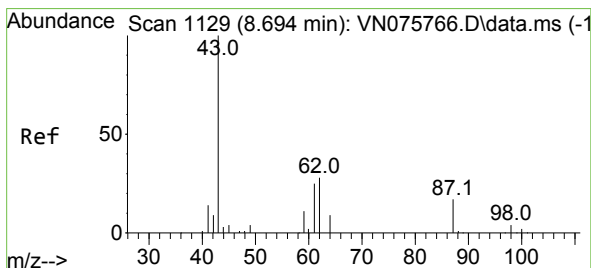
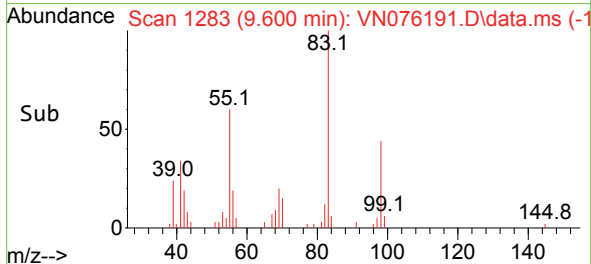
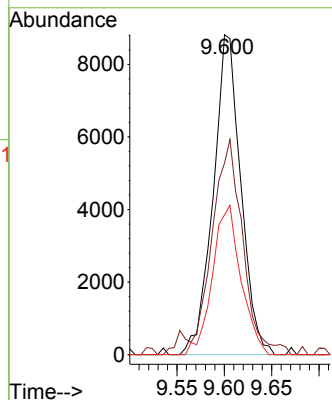
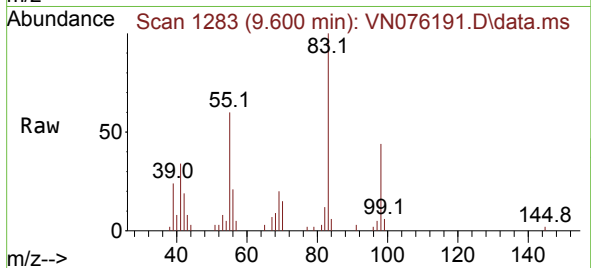
Acq: 10 Jan 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	83	Resp:	17931
Ion	Ratio	Lower	Upper
83	100		
55	56.7	51.4	77.0
98	43.7	39.8	59.8



#43

Isopropyl Acetate

Concen: 1.122 ug/l

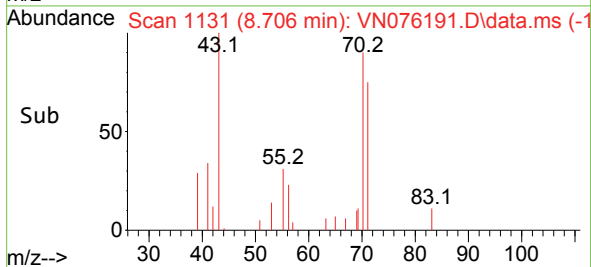
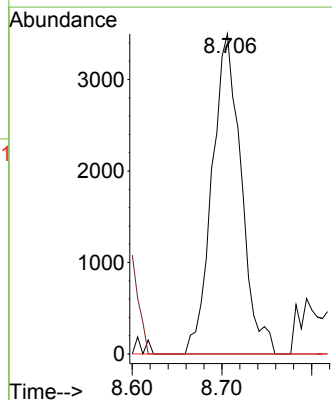
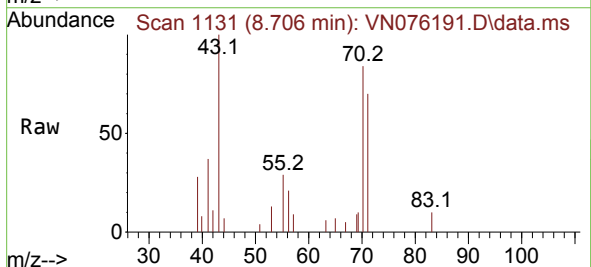
RT: 8.706 min Scan# 1131

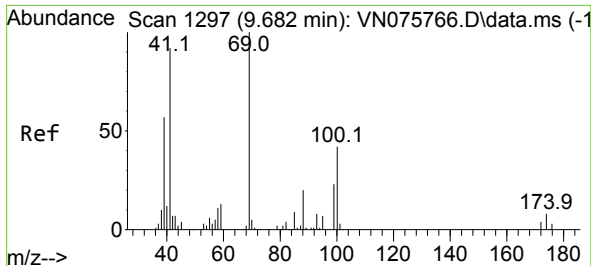
Delta R.T. 0.012 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

Tgt Ion:	43	Resp:	7861
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.2	36.4#
87	0.0	13.3	19.9#

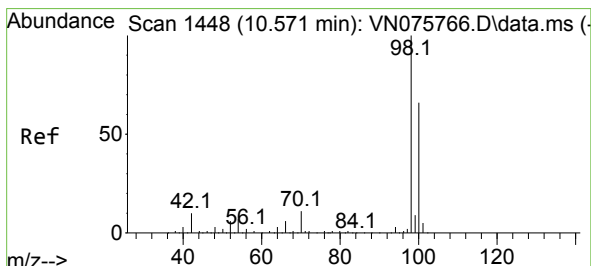
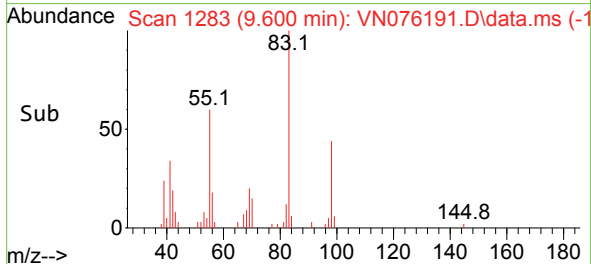
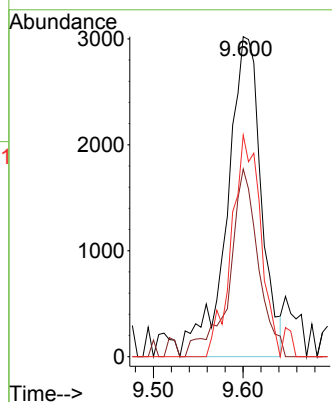
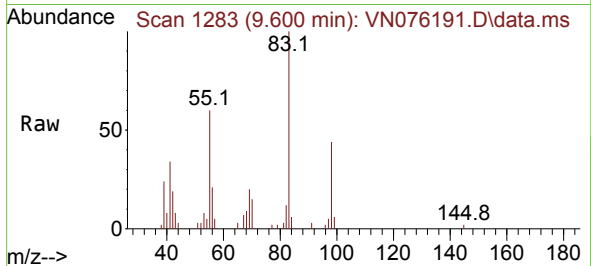




#48
Methyl methacrylate
Concen: 2.515 ug/l
RT: 9.600 min Scan# 1297
Delta R.T. -0.082 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

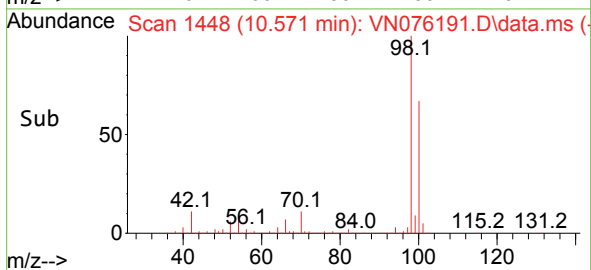
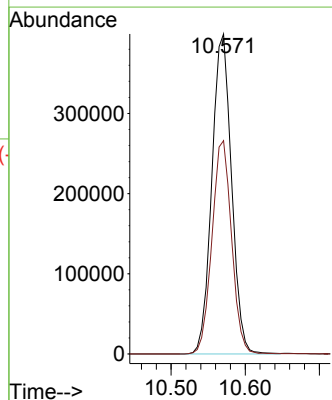
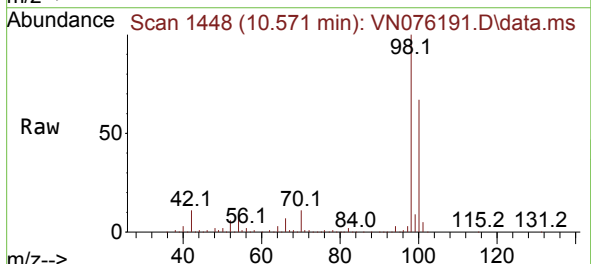
Instrument :
MSVOA_N
ClientSampleId :

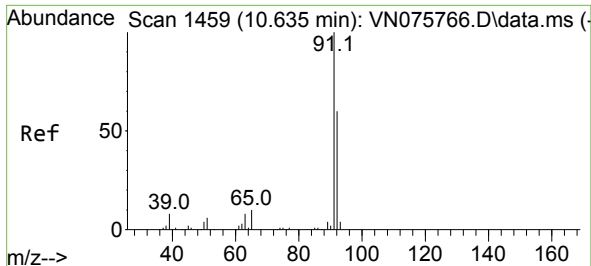
Tgt Ion: 41 Resp: 7939
Ion Ratio Lower Upper
41 100
69 49.8 81.9 122.9#
39 58.9 51.6 77.4



#50
Toluene-d8
Concen: 49.344 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

Tgt Ion: 98 Resp: 734631
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1

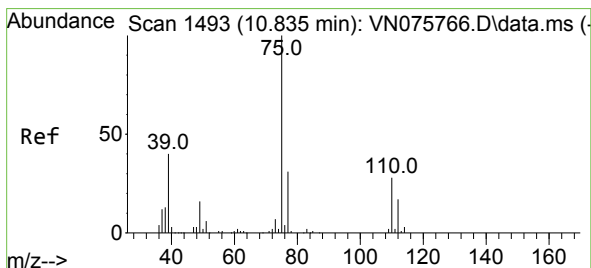
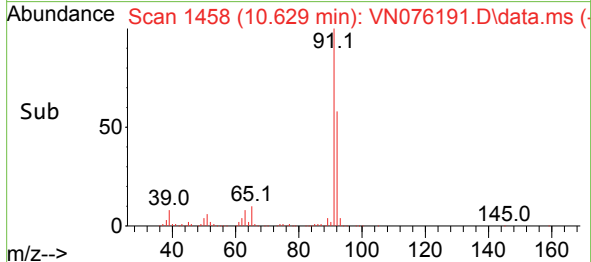
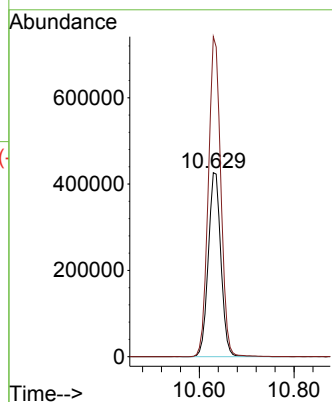
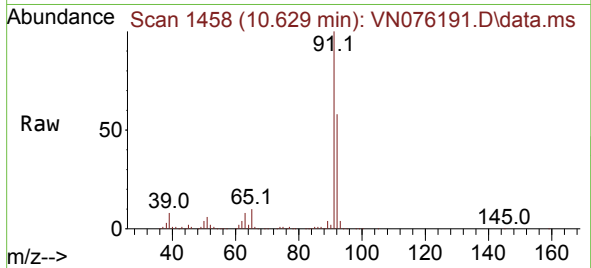




#52
Toluene
Concen: 73.993 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

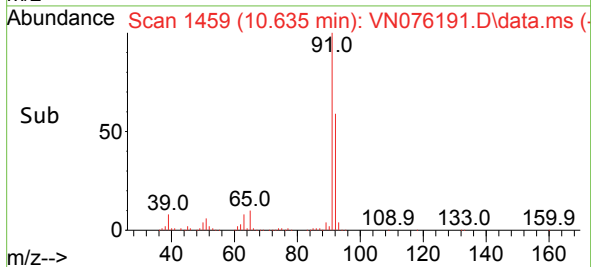
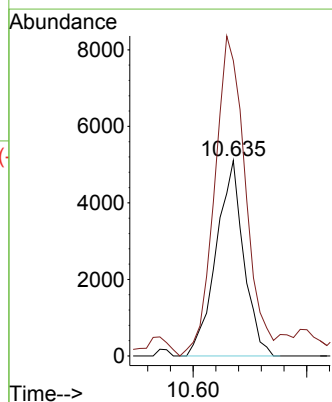
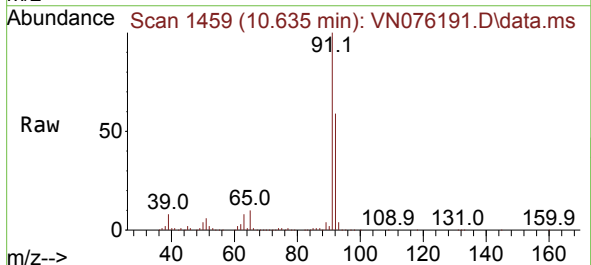
Instrument :
MSVOA_N
ClientSampleId :

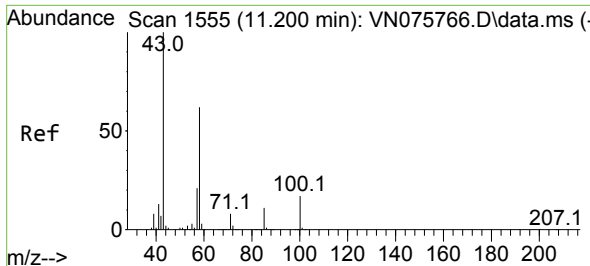
Tgt Ion: 92 Resp: 786463
Ion Ratio Lower Upper
92 100
91 172.2 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 1.525 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.200 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

Tgt Ion: 75 Resp: 8621
Ion Ratio Lower Upper
75 100
77 151.2 24.9 37.3#

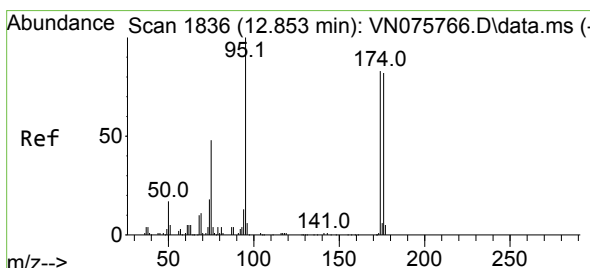
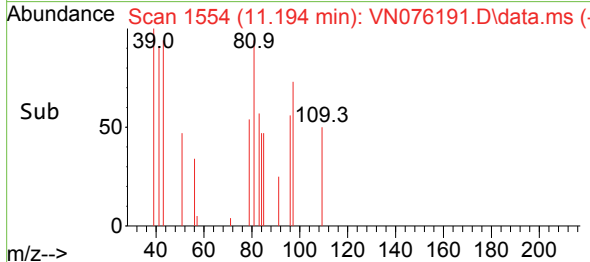
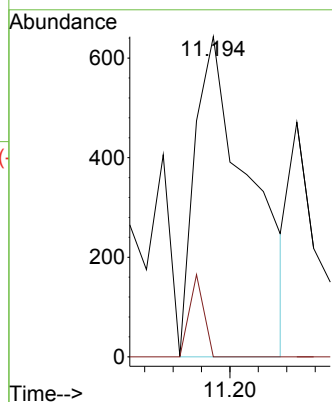
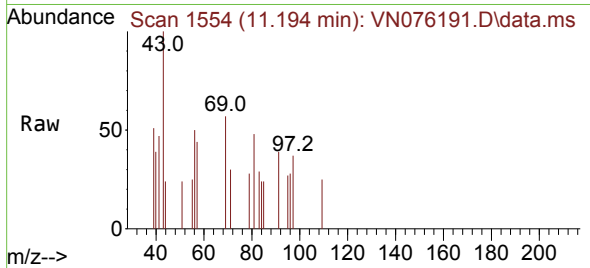




#59
2-Hexanone
Concen: 0.280 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

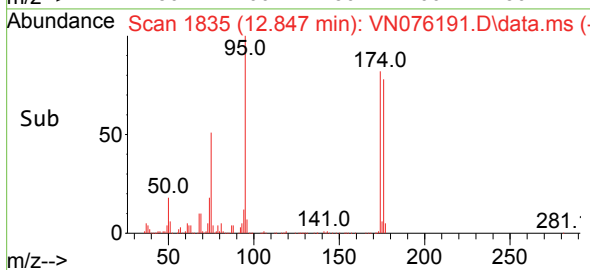
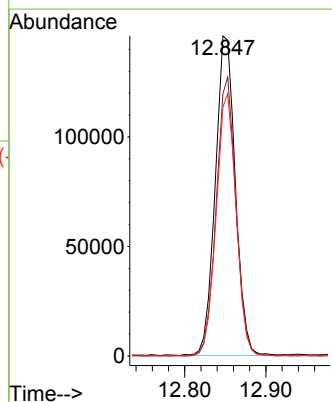
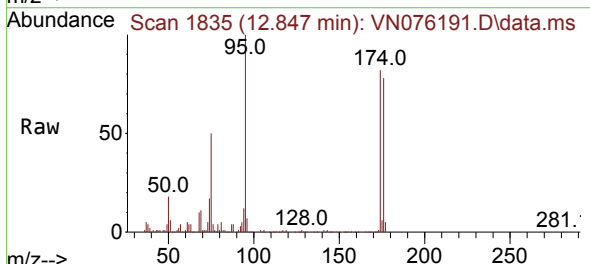
Instrument :
MSVOA_N
ClientSampleId :

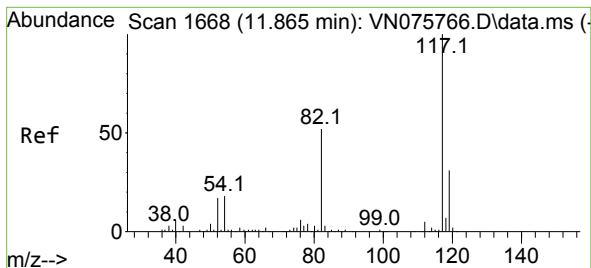
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 6.7 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 50.889 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

Tgt Ion: 95 Resp: 250932
Ion Ratio Lower Upper
95 100
174 85.3 0.0 171.6
176 81.1 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

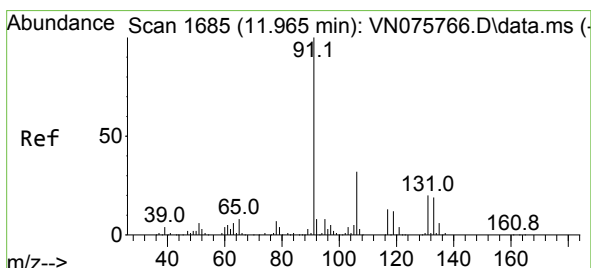
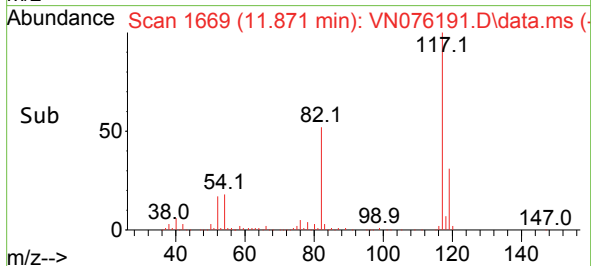
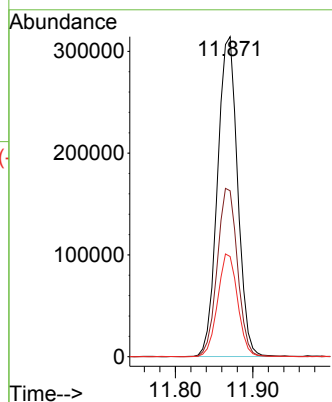
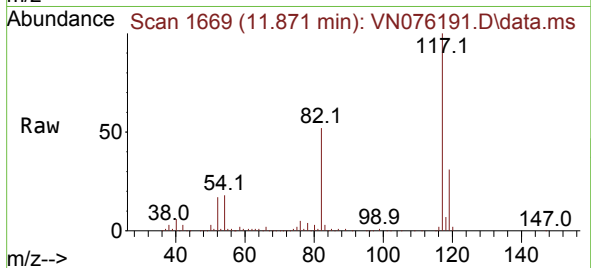
Tgt Ion:117 Resp: 566108

Ion Ratio Lower Upper

117 100

82 51.9 41.3 61.9

119 31.3 24.6 37.0



#67

Ethyl Benzene

Concen: 0.313 ug/l

RT: 11.959 min Scan# 1684

Delta R.T. -0.006 min

Lab File: VN076191.D

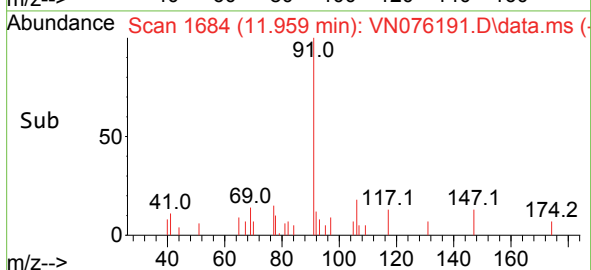
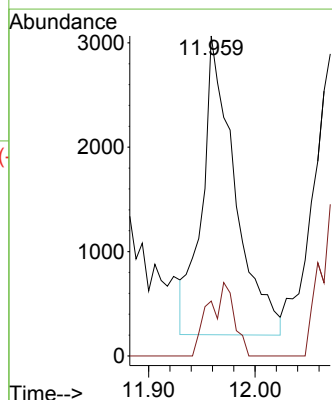
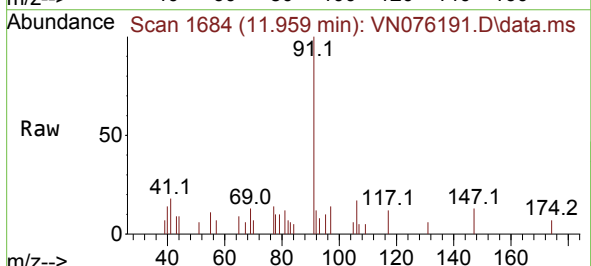
Acq: 10 Jan 2023 18:48

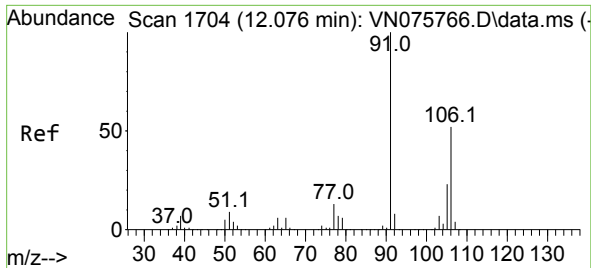
Tgt Ion: 91 Resp: 6136

Ion Ratio Lower Upper

91 100

106 19.5 25.7 38.5#

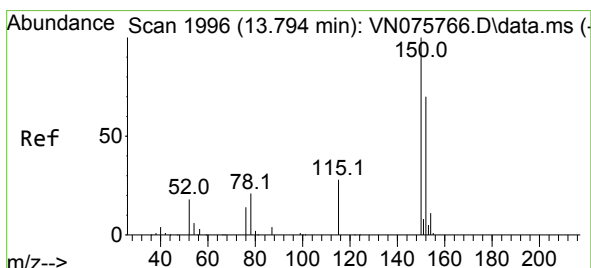
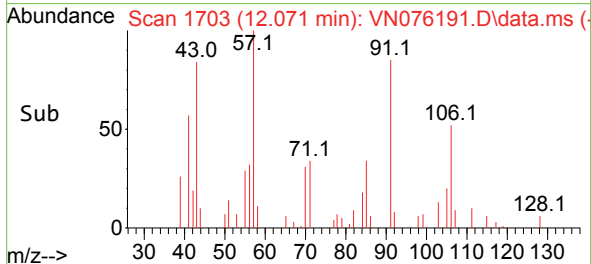
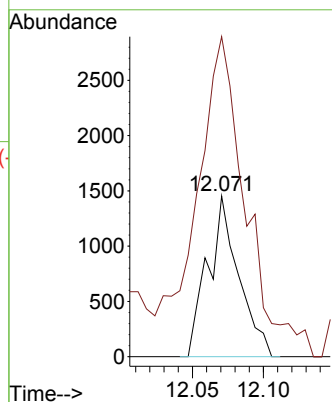
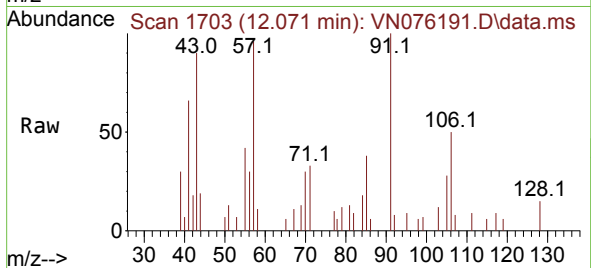




#68
m/p-Xylenes
Concen: 0.283 ug/l
RT: 12.071 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

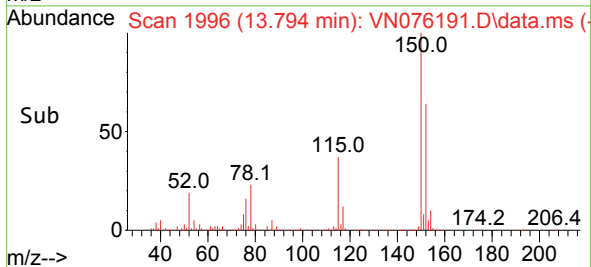
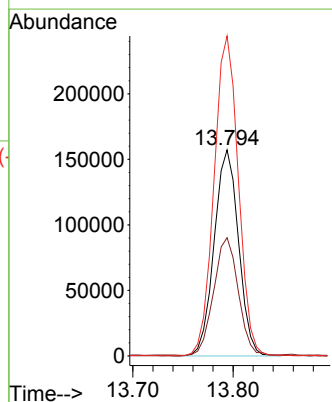
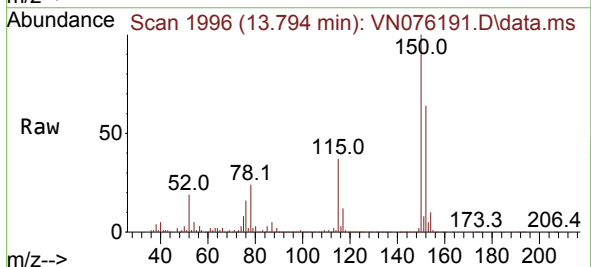
Instrument :
MSVOA_N
ClientSampleId :

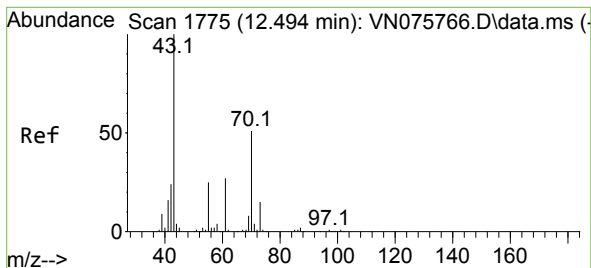
Tgt Ion:106 Resp: 2197
Ion Ratio Lower Upper
106 100
91 318.0 156.6 235.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076191.D
Acq: 10 Jan 2023 18:48

Tgt Ion:152 Resp: 265282
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.4
150 154.9 0.0 347.0





#74

N-amy1 acetate

Concen: 0.230 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

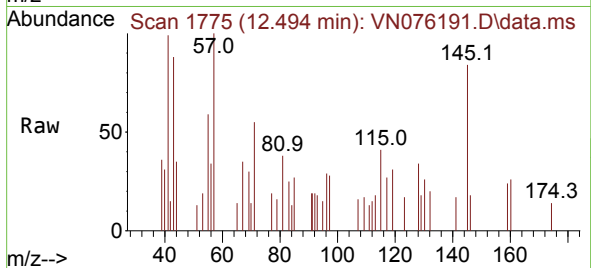
Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1292

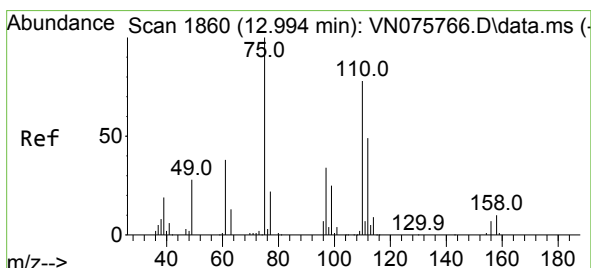
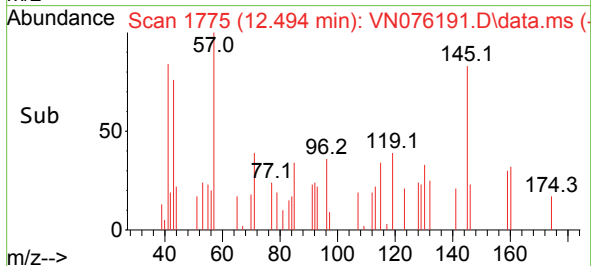
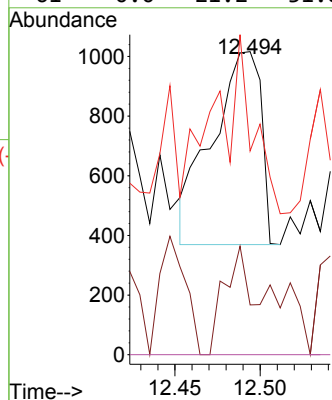
Ion Ratio Lower Upper

43 100

70 32.0 41.4 62.0#

55 11.9 21.3 31.9#

61 0.0 21.2 31.8#



#76

1,2,3-Trichloropropane

Concen: 24.195 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076191.D

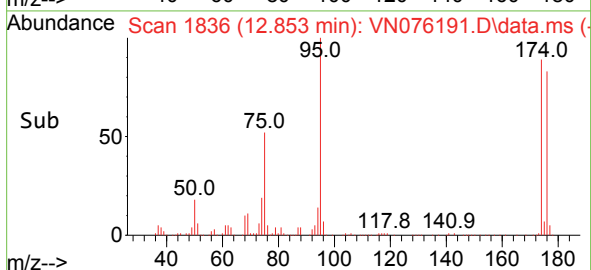
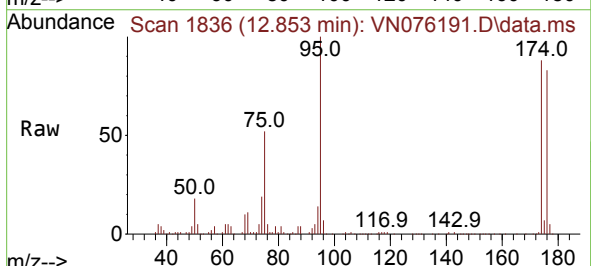
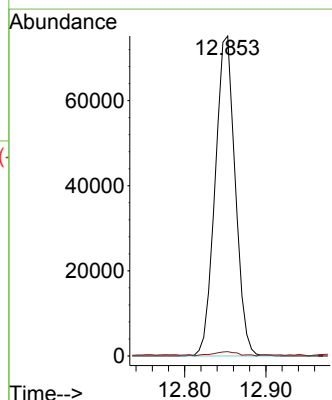
Acq: 10 Jan 2023 18:48

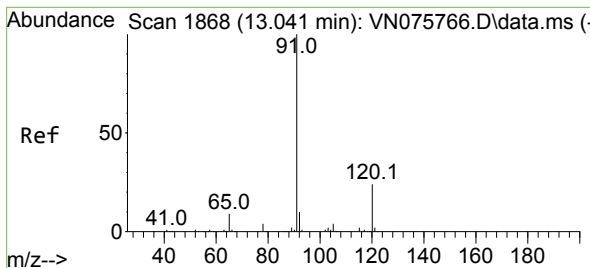
Tgt Ion: 75 Resp: 129381

Ion Ratio Lower Upper

75 100

77 1.7 82.6 247.8#





#78

n-propylbenzene

Concen: 0.245 ug/l

RT: 13.041 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

Instrument :

MSVOA_N

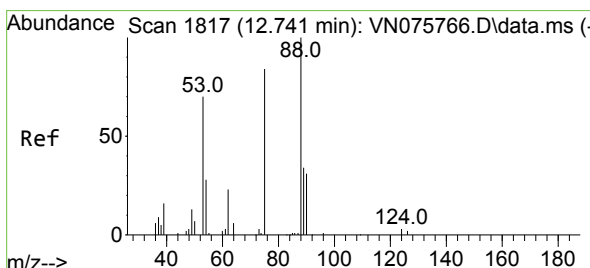
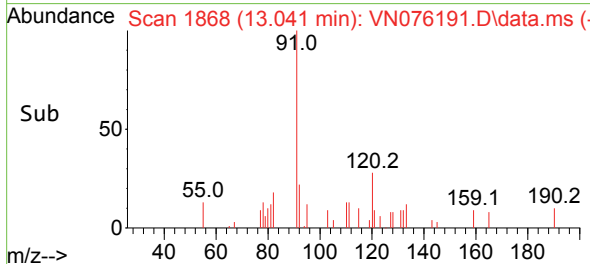
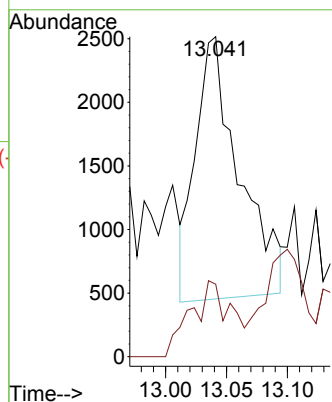
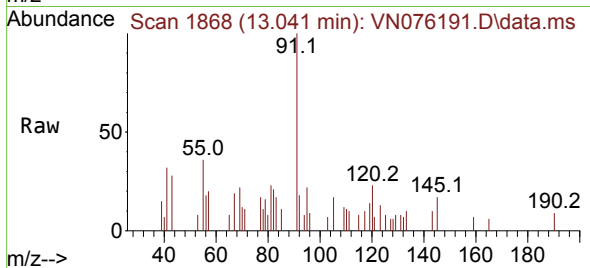
ClientSampleId :

Tgt Ion: 91 Resp: 5170

Ion Ratio Lower Upper

91 100

120 26.4 12.0 36.1



#81

trans-1,4-Dichloro-2-butene

Concen: 87.090 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

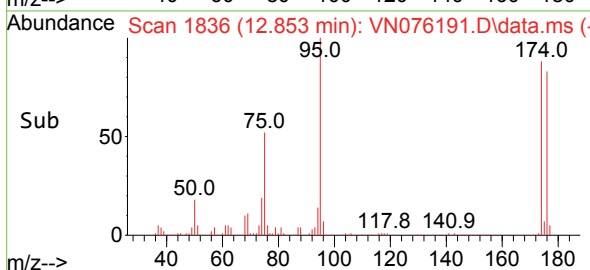
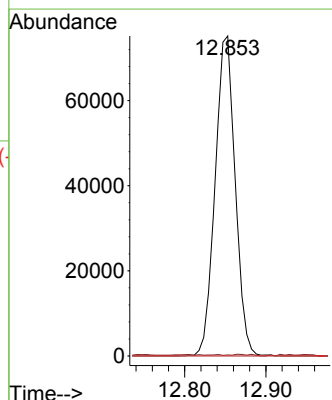
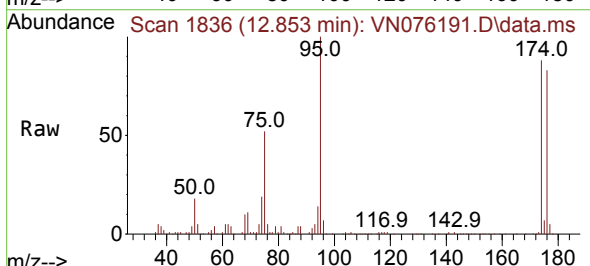
Tgt Ion: 75 Resp: 129381

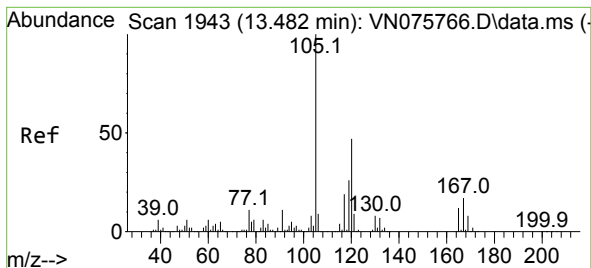
Ion Ratio Lower Upper

75 100

53 0.4 73.8 110.6#

89 0.0 39.5 59.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.539 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

Instrument :

MSVOA_N

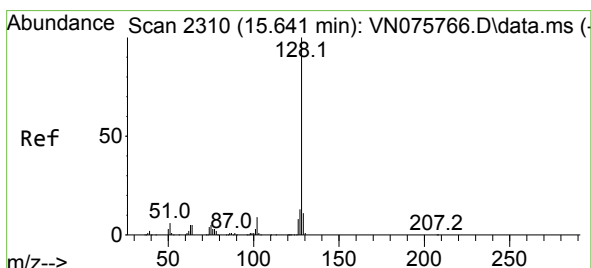
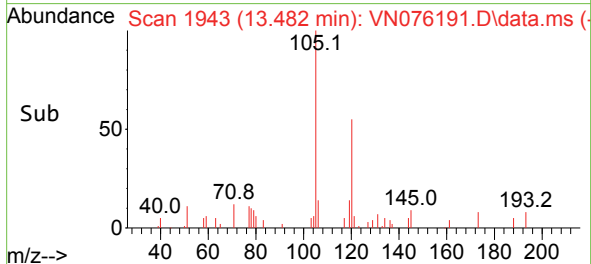
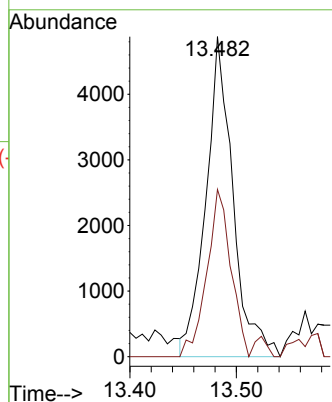
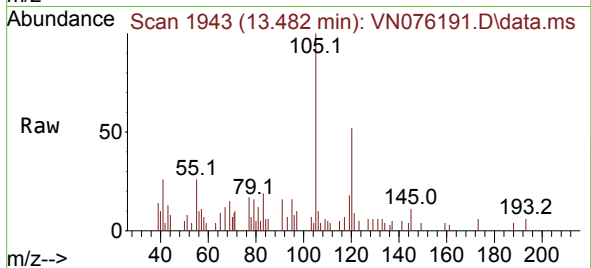
ClientSampleId :

Tgt Ion:105 Resp: 8582

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.8



#95

Naphthalene

Concen: 2.407 ug/l

RT: 15.635 min Scan# 2309

Delta R.T. -0.006 min

Lab File: VN076191.D

Acq: 10 Jan 2023 18:48

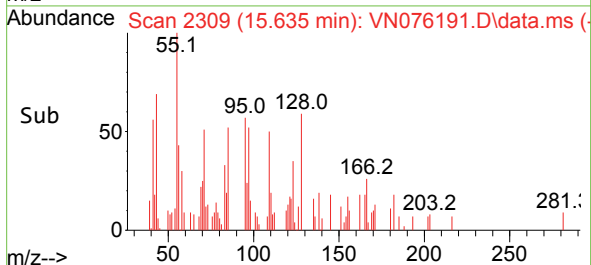
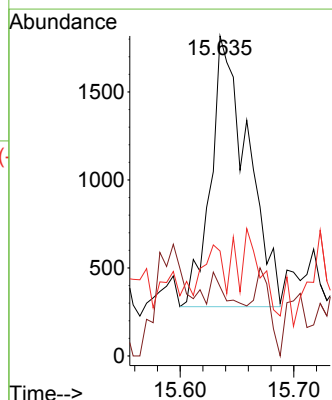
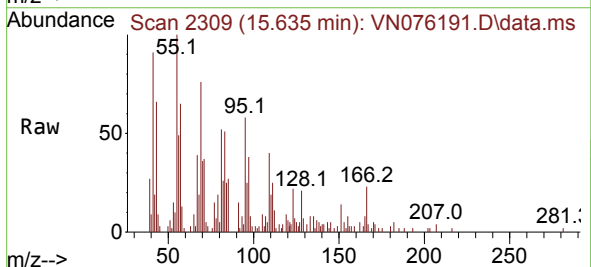
Tgt Ion:128 Resp: 3467

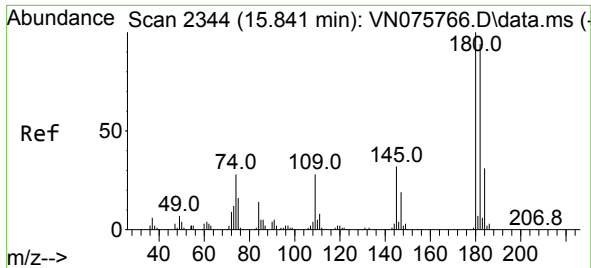
Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

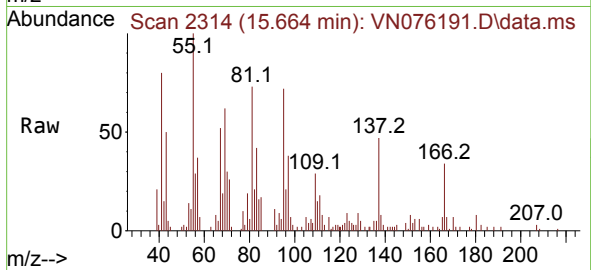
129 10.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.340 ug/l
 RT: 15.664 min Scan# 21
 Delta R.T. -0.176 min
 Lab File: VN076191.D
 Acq: 10 Jan 2023 18:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1390
 Ion Ratio Lower Upper
 180 100
 182 65.1 47.0 141.0
 145 22.0 16.0 47.9

