

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076206.D
 Acq On : 11 Jan 2023 13:40
 Operator : JC\MD
 Sample : 01081-03
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31965

Quant Time: Jan 12 00:34:42 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)

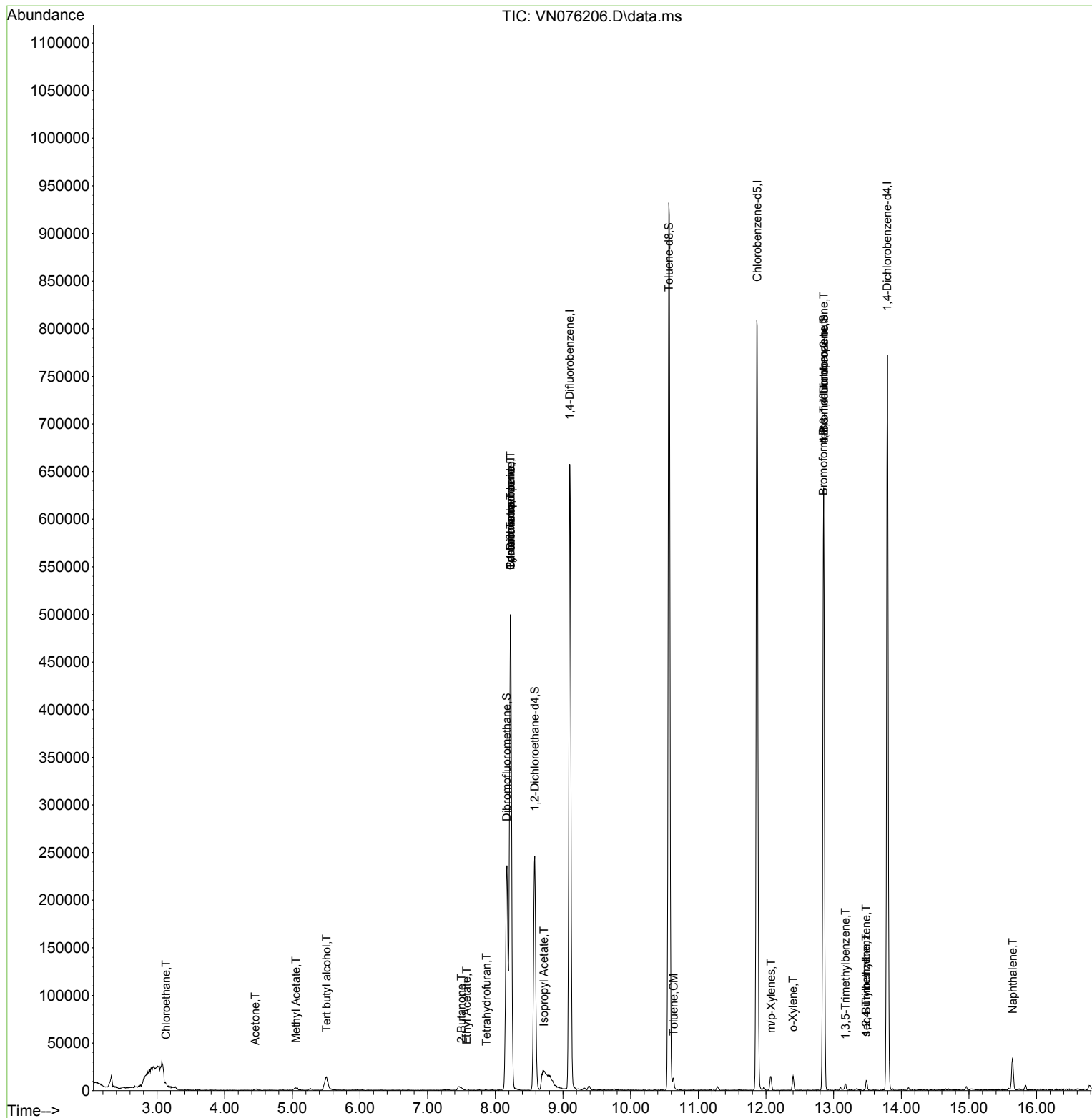
Internal Standards						
1) Pentafluorobenzene	8.224	168	386432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	608664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	504883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	193189	45.953	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.900%		
35) Dibromofluoromethane	8.171	113	172173	45.677	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.360%		
50) Toluene-d8	10.565	98	685730	48.657	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.320%		
62) 4-Bromofluorobenzene	12.853	95	207261	44.402	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.800%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.136	64	652	0.216	ug/l #	44
11) Tert butyl alcohol	5.506	59	13042	21.924	ug/l #	72
16) Acetone	4.453	43	2307	1.592	ug/l	90
18) Methyl Acetate	5.053	43	6528	1.524	ug/l #	74
20) Methylene Chloride	5.253	84	668	Below Cal	#	50
25) 2-Butanone	7.500	43	1013	0.499	ug/l #	83
29) Tetrahydrofuran	7.871	42	474	0.373	ug/l #	33
31) Cyclohexane	8.224	56	7503	1.246	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	27513	5.495	ug/l #	50
37) Ethyl Acetate	7.577	43	2391	0.594	ug/l #	71
38) Carbon Tetrachloride	8.224	117	37517	6.694	ug/l #	16
43) Isopropyl Acetate	8.718	43	21476	3.237	ug/l #	50
52) Toluene	10.635	92	4260	0.423	ug/l	97
68) m/p-Xylenes	12.076	106	5159	0.745	ug/l	97
69) o-Xylene	12.400	106	4100	0.599	ug/l	98
71) Bromoform	12.847	173	1220	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	106285	24.133	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	3036	0.230	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.853	75	106285	86.866	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	6641	0.507	ug/l	99
85) sec-Butylbenzene	13.482	105	6641	0.413	ug/l #	56
95) Naphthalene	15.647	128	32367	4.781	ug/l	100

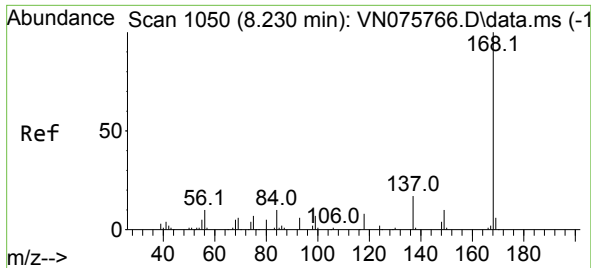
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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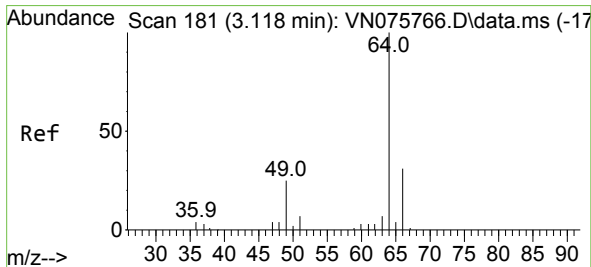
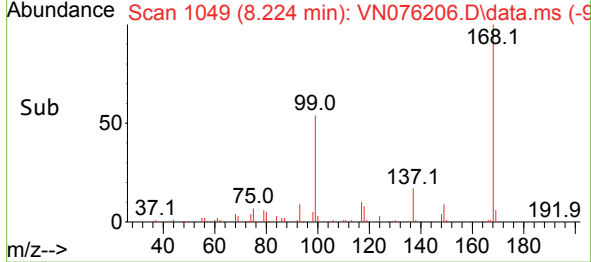
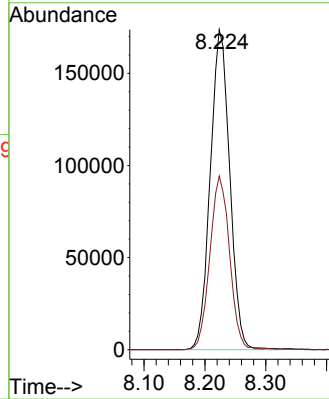
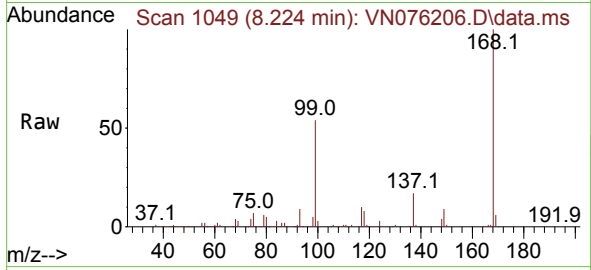




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

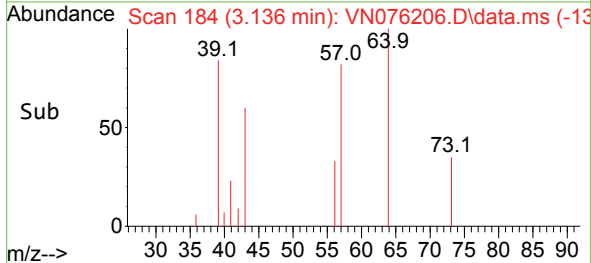
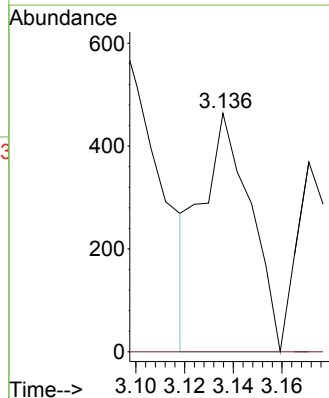
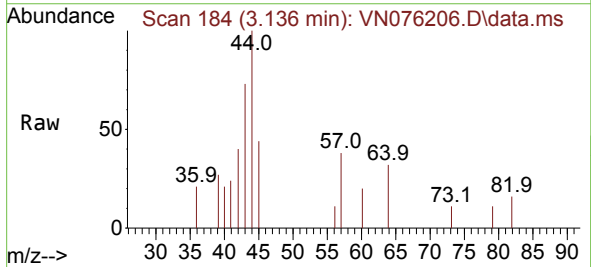
Instrument :
MSVOA_N
ClientSampleId :
31965

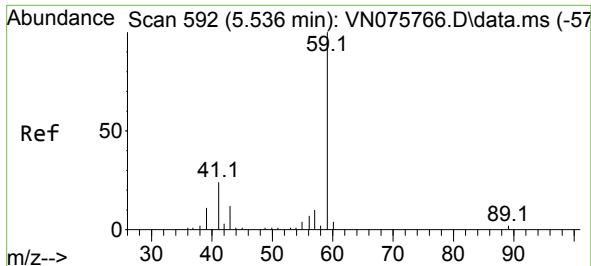
Tgt Ion:168 Resp: 386432
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#6
Chloroethane
Concen: 0.216 ug/l
RT: 3.136 min Scan# 184
Delta R.T. 0.018 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion: 64 Resp: 652
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

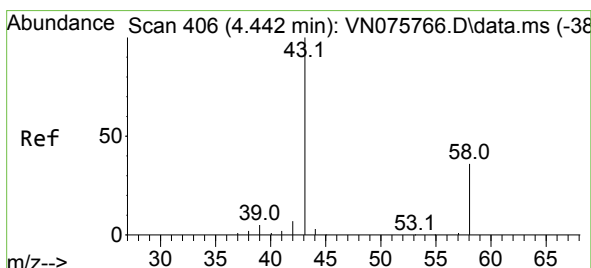
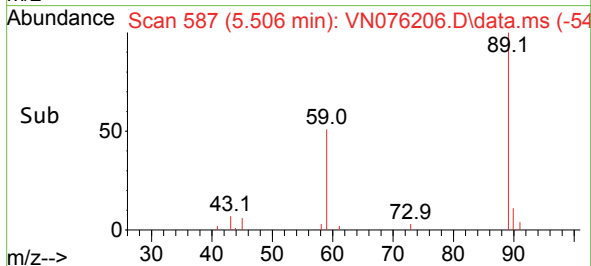
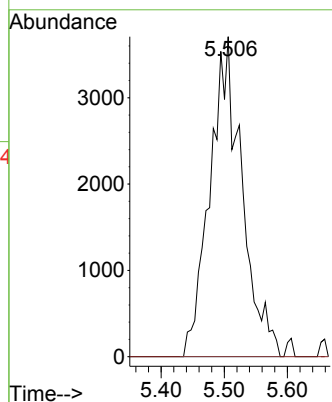
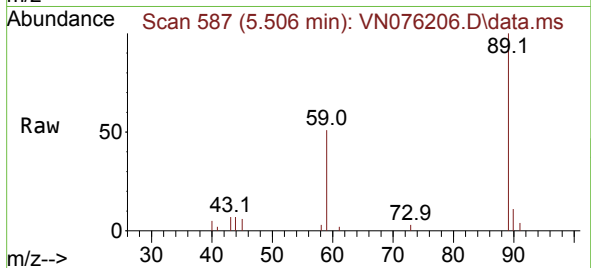




#11
Tert butyl alcohol
Concen: 21.924 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

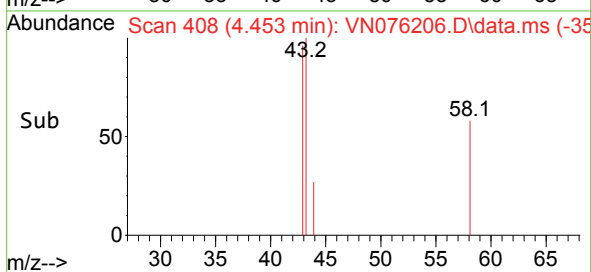
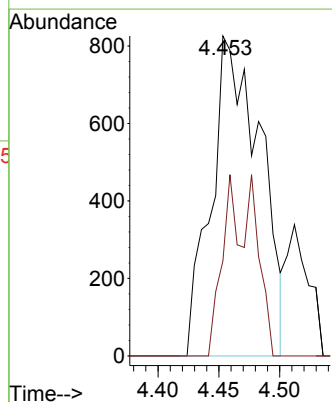
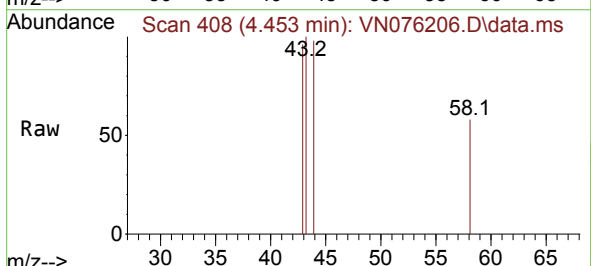
Instrument :
MSVOA_N
ClientSampleId :
31965

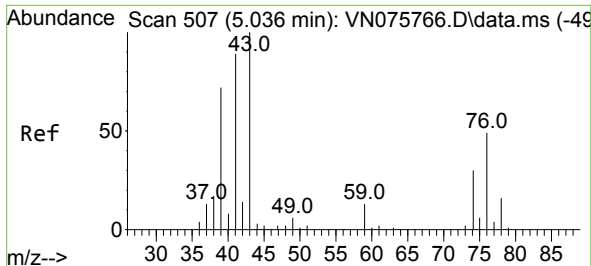
Tgt Ion: 59 Resp: 13042
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 1.592 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
58 29.7 28.6 43.0

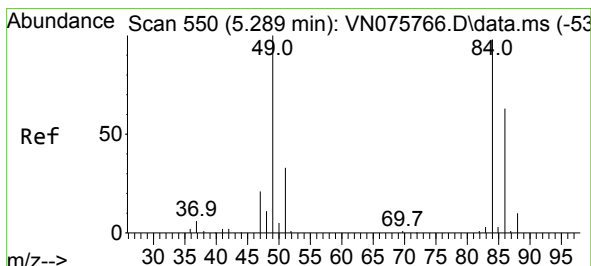
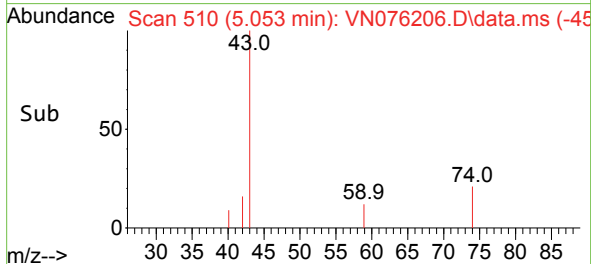
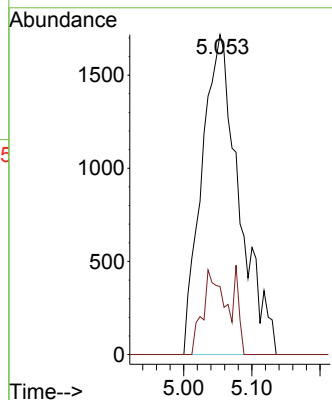
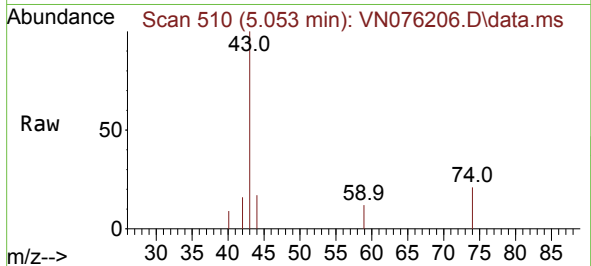




#18
Methyl Acetate
Concen: 1.524 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

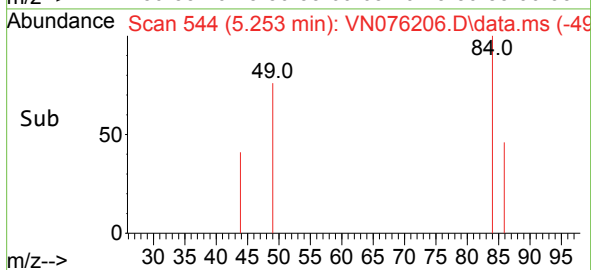
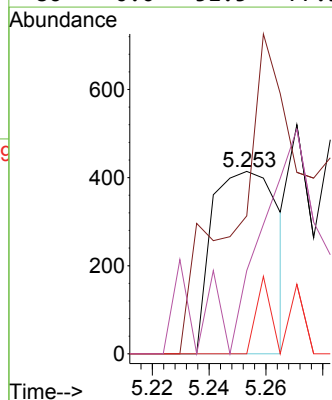
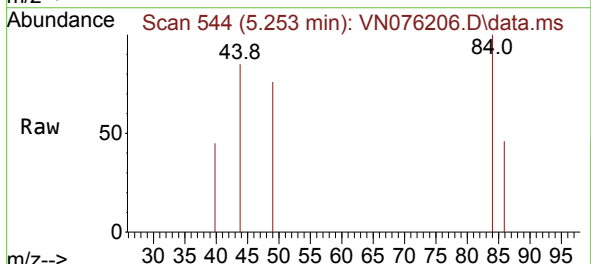
Instrument :
MSVOA_N
ClientSampleId :
31965

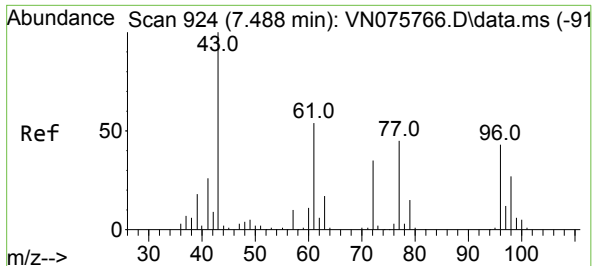
Tgt Ion: 43 Resp: 6528
Ion Ratio Lower Upper
43 100
74 15.3 23.6 35.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 544
Delta R.T. -0.036 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion: 84 Resp: 668
Ion Ratio Lower Upper
84 100
49 75.6 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#

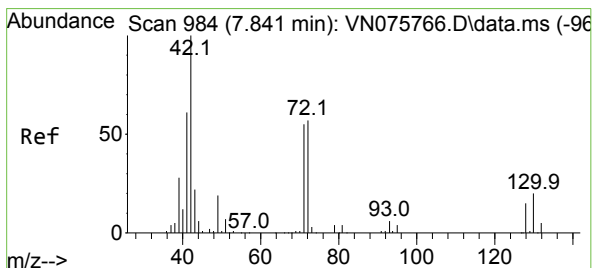
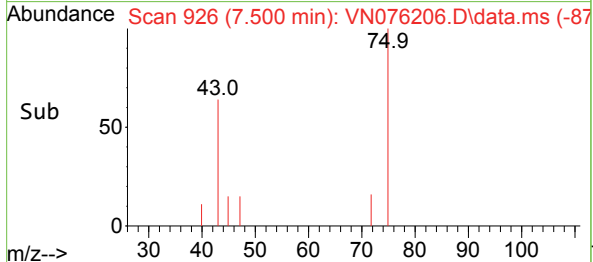
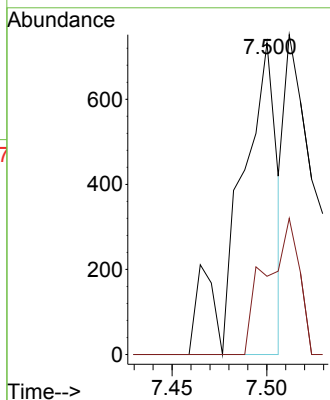
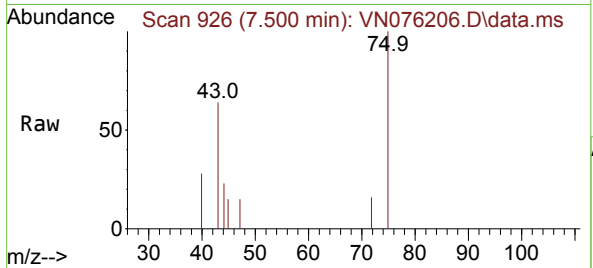




#25
2-Butanone
Concen: 0.499 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

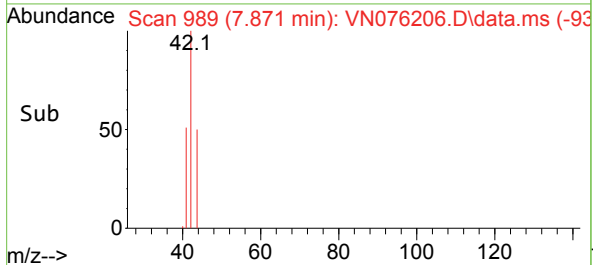
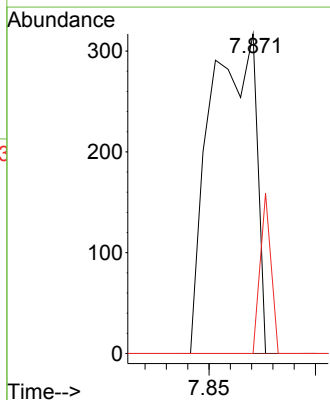
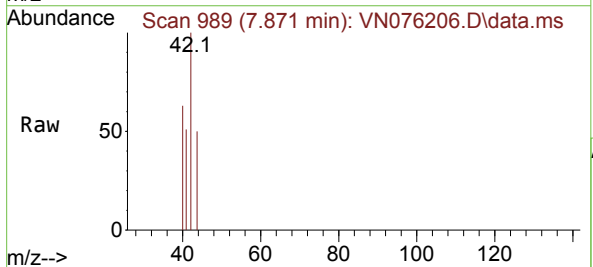
Instrument :
MSVOA_N
ClientSampleId :
31965

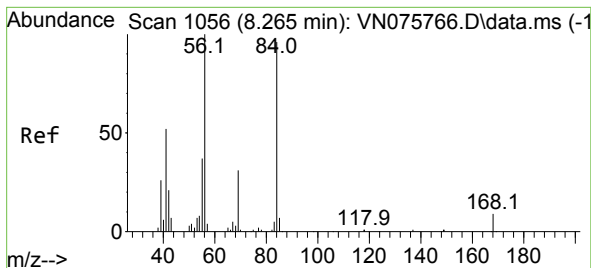
Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
72 25.1 28.0 42.0#



#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 7.871 min Scan# 989
Delta R.T. 0.029 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion: 42 Resp: 474
Ion Ratio Lower Upper
42 100
72 0.0 44.5 66.7#
71 11.8 41.0 61.6#





#31

Cyclohexane

Concen: 1.246 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

31965

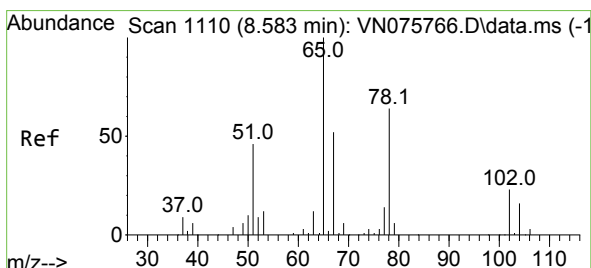
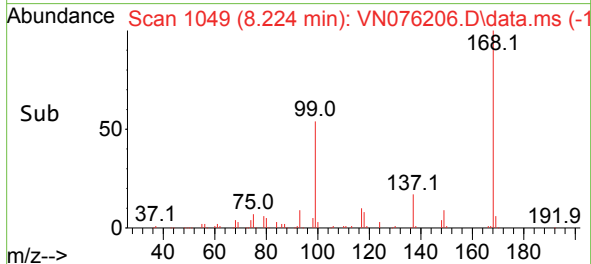
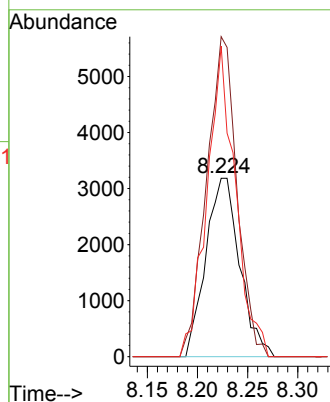
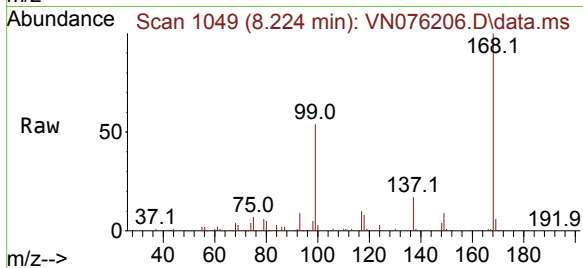
Tgt Ion: 56 Resp: 7503

Ion Ratio Lower Upper

56 100

69 179.3 24.7 37.1#

84 174.0 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 45.953 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076206.D

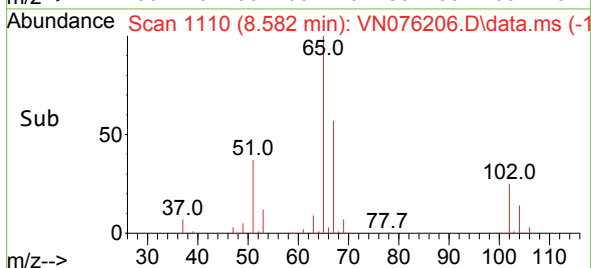
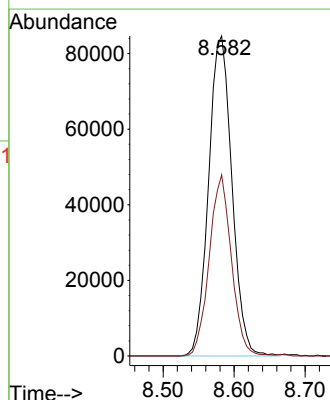
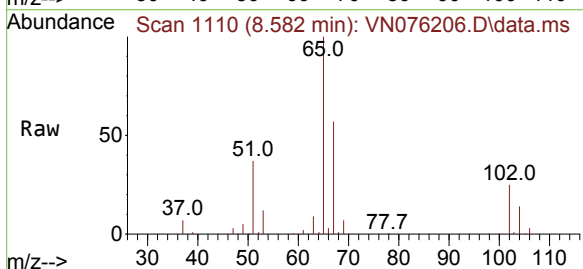
Acq: 11 Jan 2023 13:40

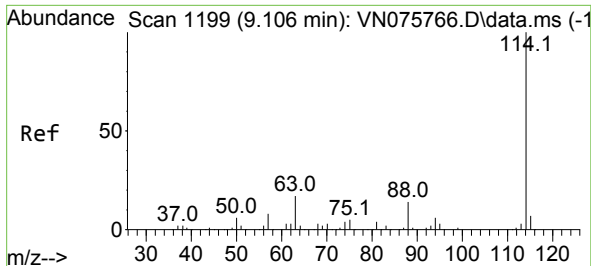
Tgt Ion: 65 Resp: 193189

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

31965

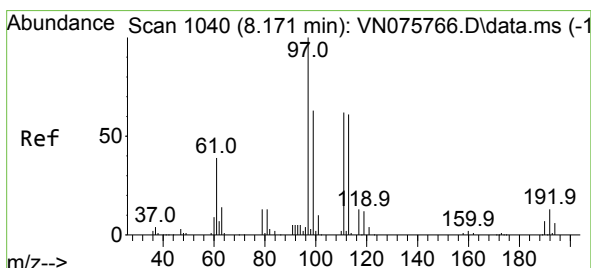
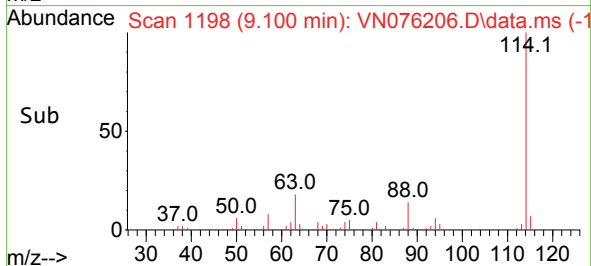
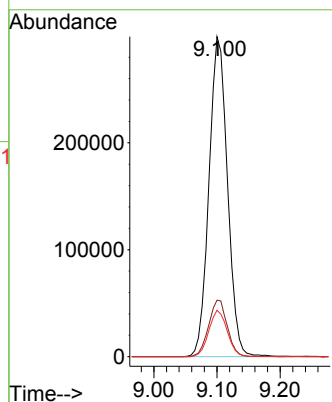
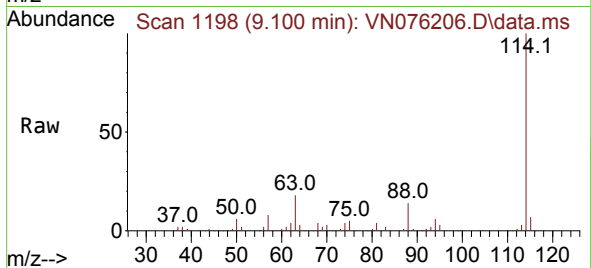
Tgt Ion:114 Resp: 608664

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.4

88 14.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 45.677 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

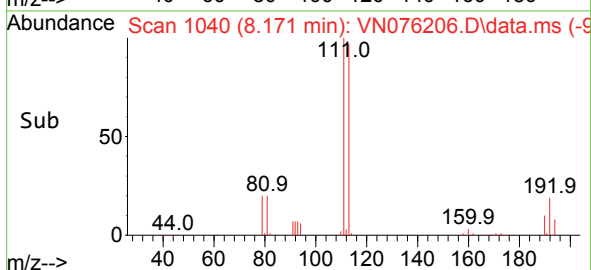
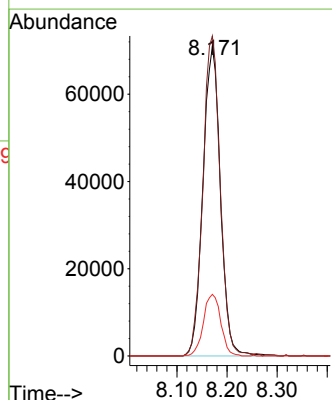
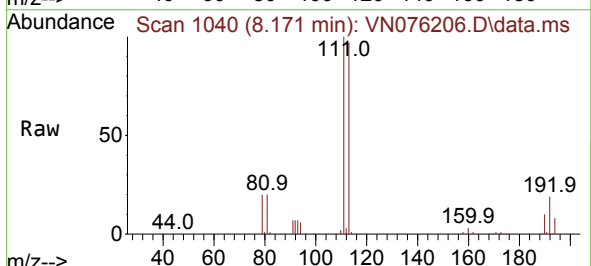
Tgt Ion:113 Resp: 172173

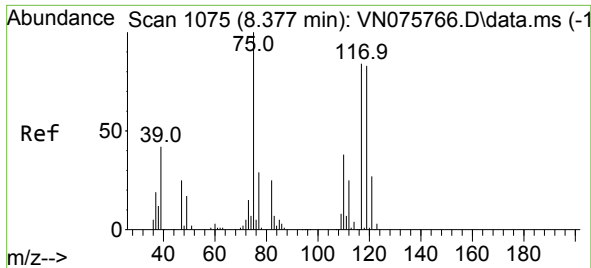
Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

192 19.8 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.495 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

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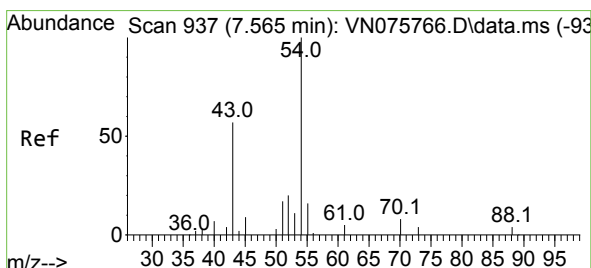
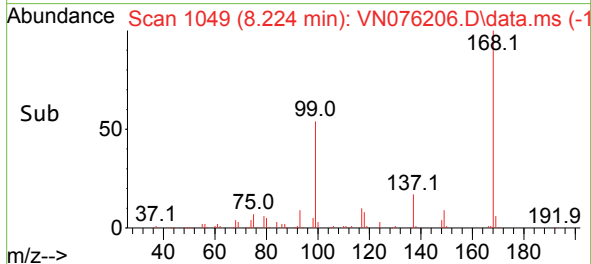
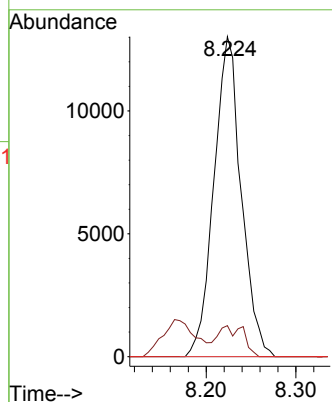
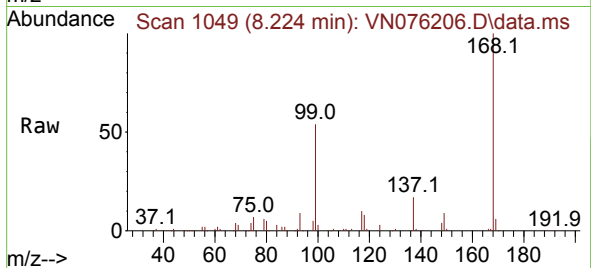
Tgt Ion: 75 Resp: 27513

Ion Ratio Lower Upper

75 100

110 9.7 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.594 ug/l

RT: 7.577 min Scan# 939

Delta R.T. 0.012 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

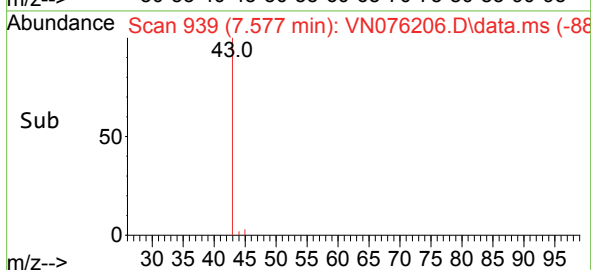
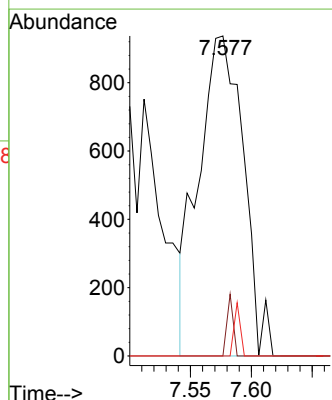
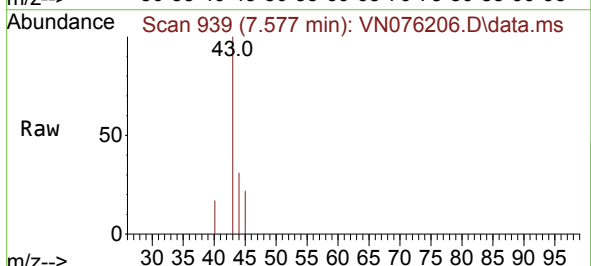
Tgt Ion: 43 Resp: 2391

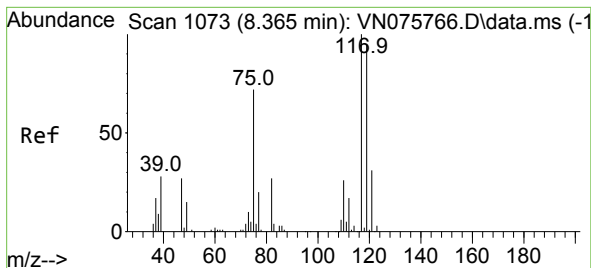
Ion Ratio Lower Upper

43 100

61 2.7 13.0 19.4#

70 2.3 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.694 ug/l

RT: 8.224 min Scan# 1133

Delta R.T. -0.141 min

Lab File: VN076206.D

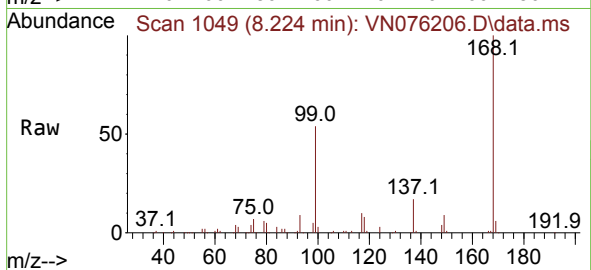
Acq: 11 Jan 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

31965



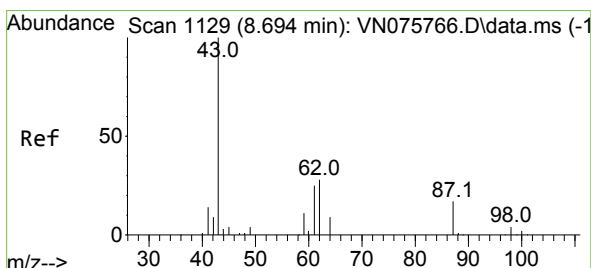
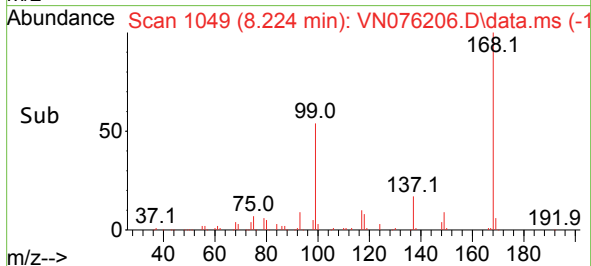
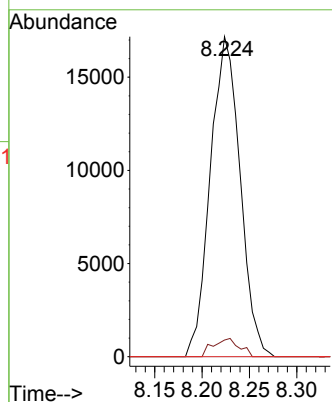
Tgt Ion:117 Resp: 37517

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.5 36.7#



#43

Isopropyl Acetate

Concen: 3.237 ug/l

RT: 8.718 min Scan# 1133

Delta R.T. 0.023 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

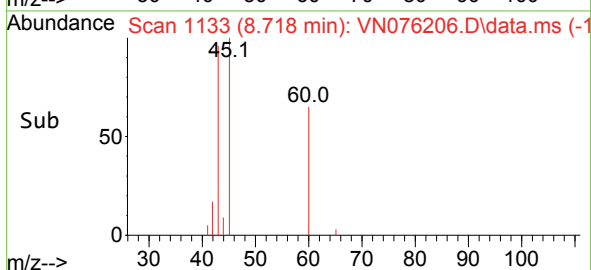
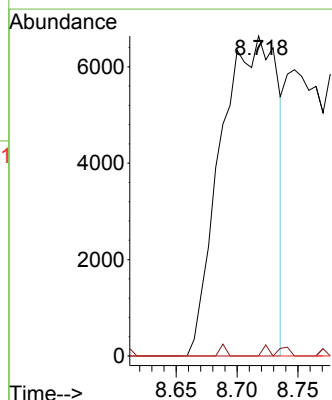
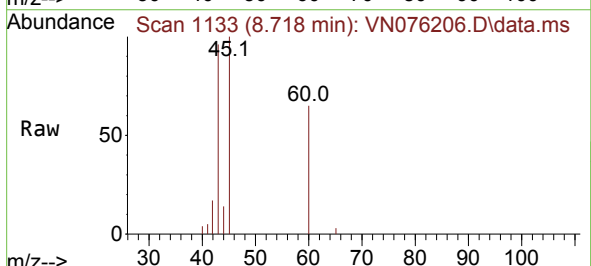
Tgt Ion: 43 Resp: 21476

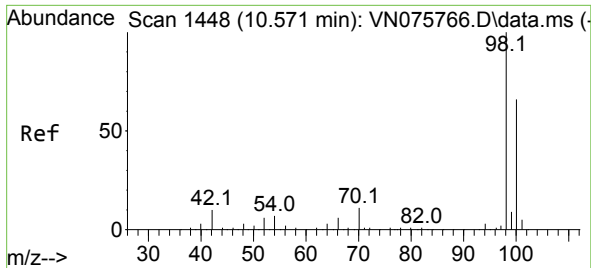
Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 0.0 13.3 19.9#

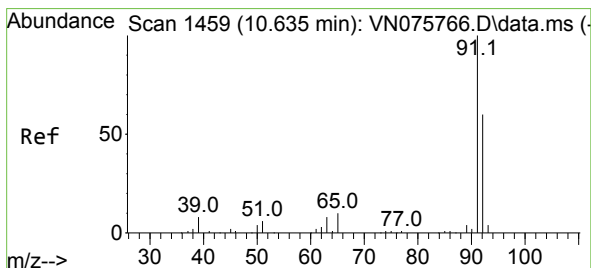
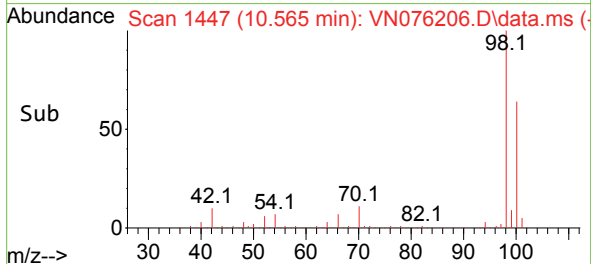
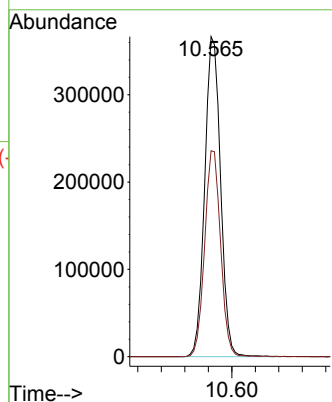
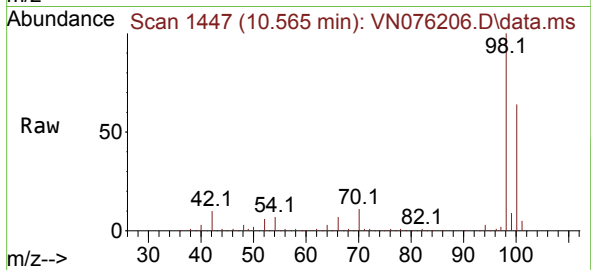




#50
Toluene-d8
Concen: 48.657 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

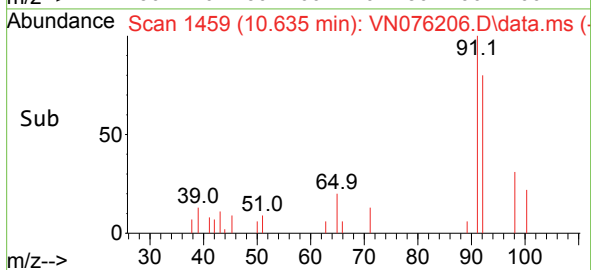
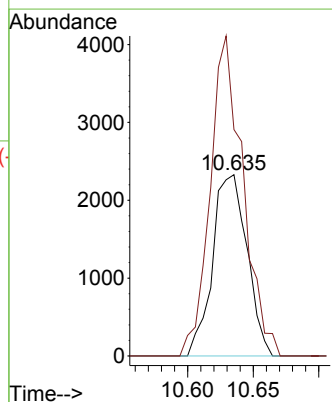
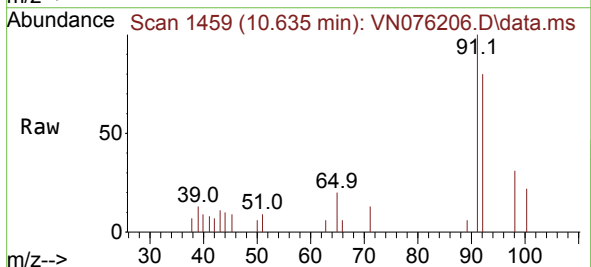
Instrument :
MSVOA_N
ClientSampleId :
31965

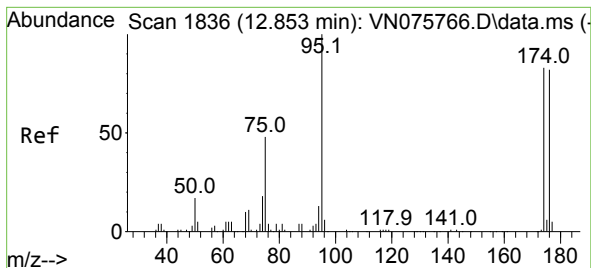
Tgt Ion: 98 Resp: 685730
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#52
Toluene
Concen: 0.423 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion: 92 Resp: 4260
Ion Ratio Lower Upper
92 100
91 167.7 137.3 205.9

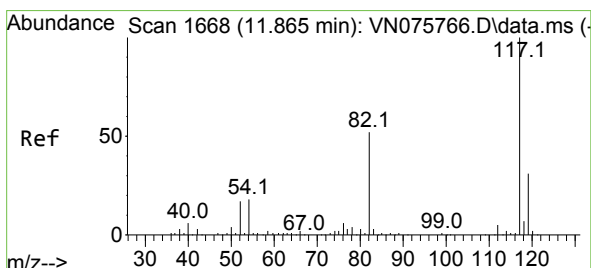
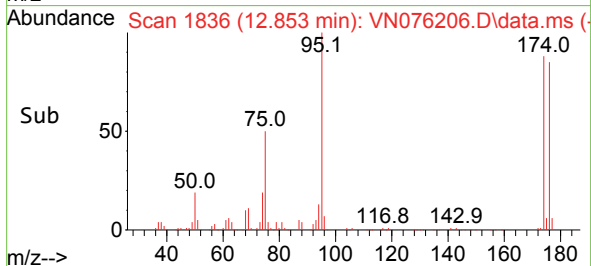
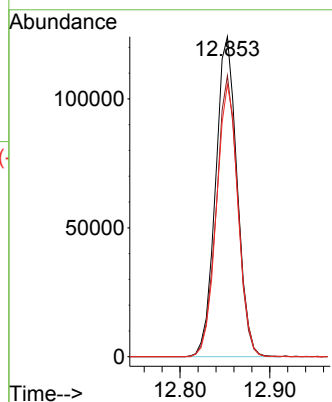
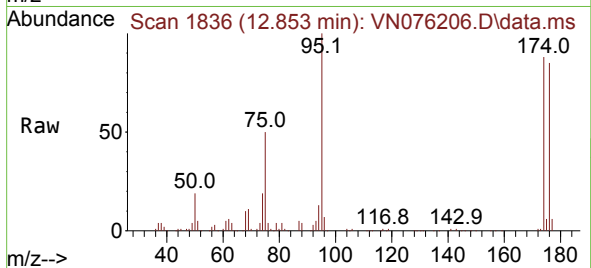




#62
4-Bromofluorobenzene
Concen: 44.402 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

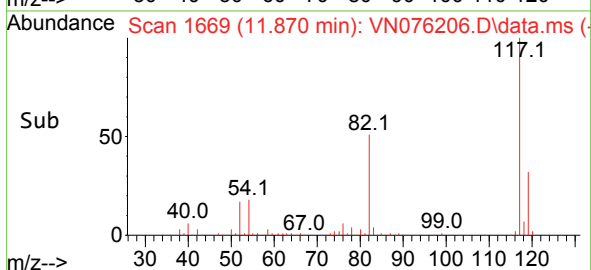
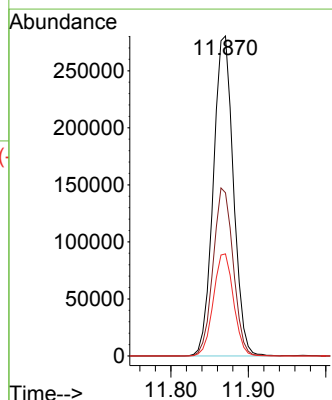
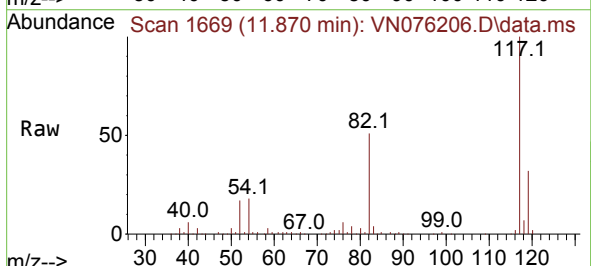
Instrument :
MSVOA_N
ClientSampleId :
31965

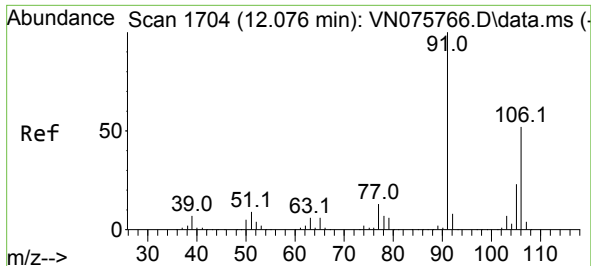
Tgt Ion: 95 Resp: 207261
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 85.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion: 117 Resp: 504883
Ion Ratio Lower Upper
117 100
82 51.0 41.3 61.9
119 31.9 24.6 37.0

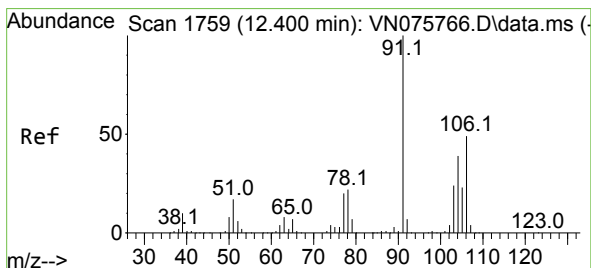
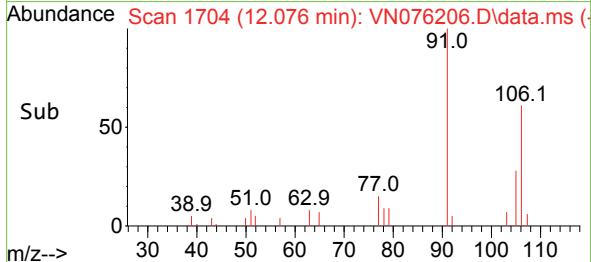
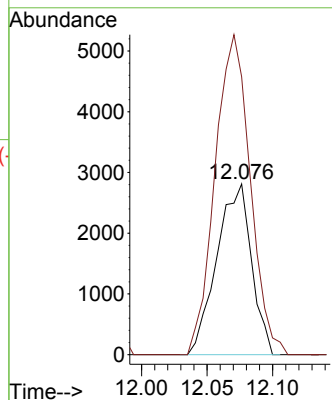
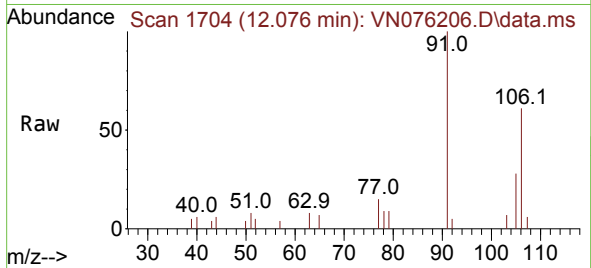




#68
m/p-Xylenes
Concen: 0.745 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

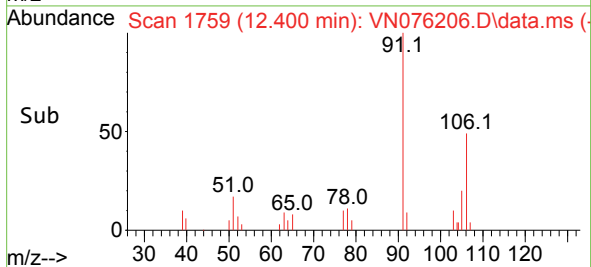
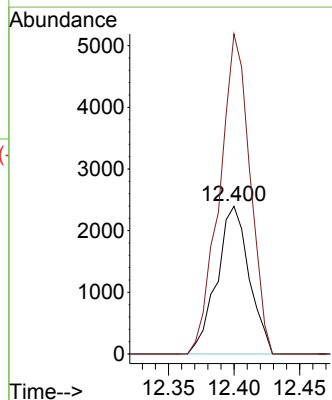
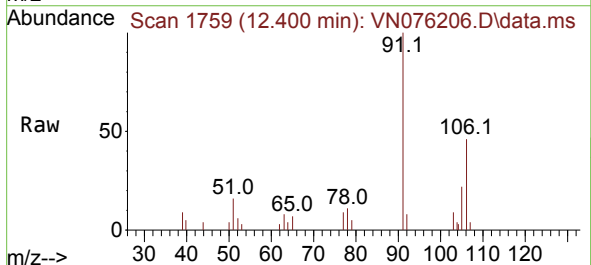
Instrument :
MSVOA_N
ClientSampleId :
31965

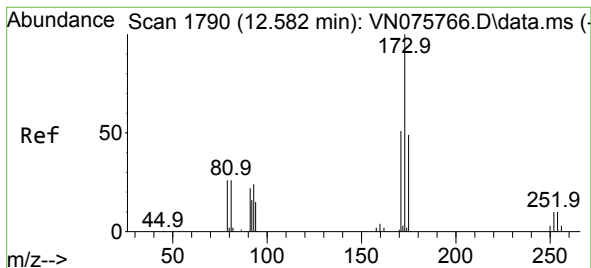
Tgt Ion:106 Resp: 5159
Ion Ratio Lower Upper
106 100
91 190.9 156.6 235.0



#69
o-Xylene
Concen: 0.599 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion:106 Resp: 4100
Ion Ratio Lower Upper
106 100
91 205.3 103.8 311.6





#71

Bromoform

Concen: 0.437 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

31965

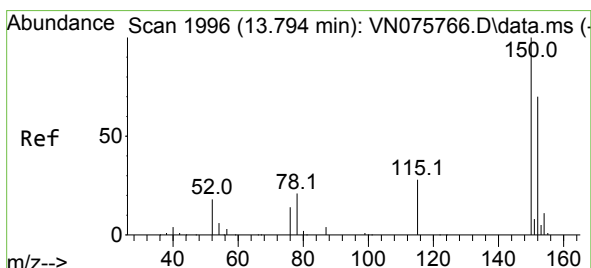
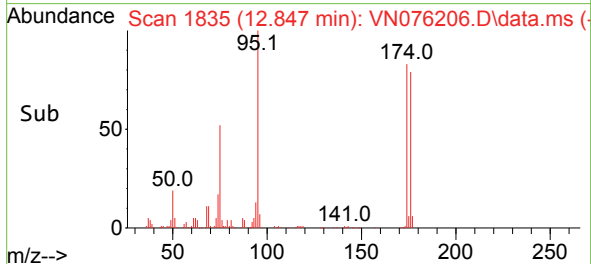
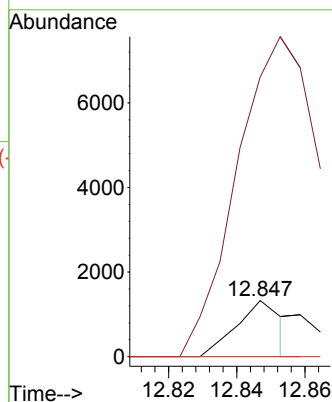
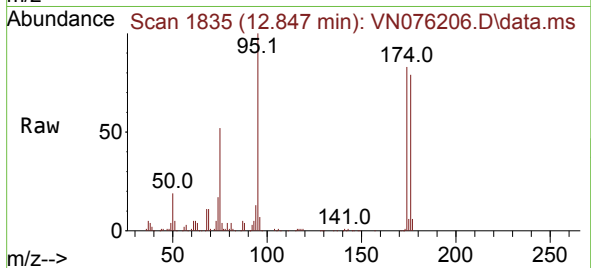
Tgt Ion:173 Resp: 1220

Ion Ratio Lower Upper

173 100

175 843.4 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: VN076206.D

Acq: 11 Jan 2023 13:40

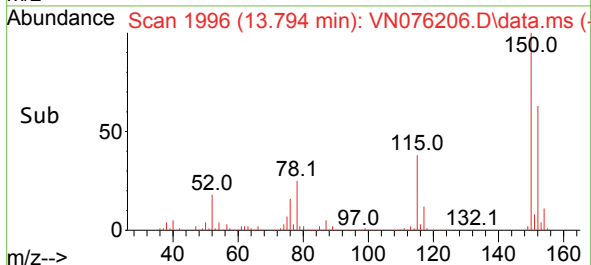
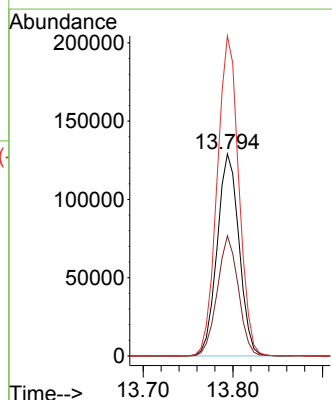
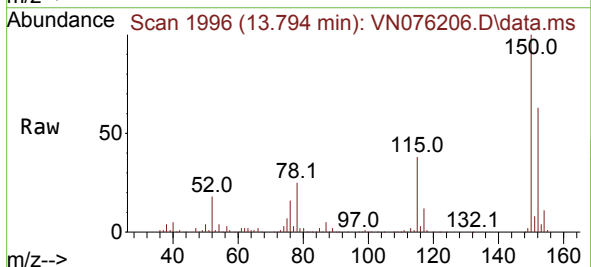
Tgt Ion:152 Resp: 218487

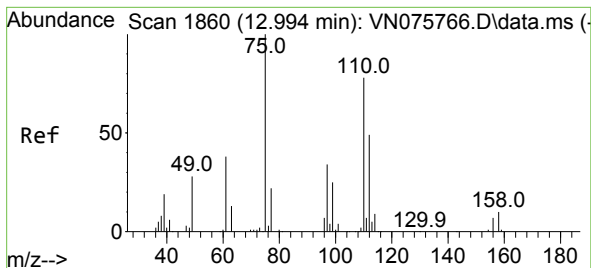
Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.4

150 156.4 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 24.133 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076206.D

Acq: 11 Jan 2023 13:40

Instrument :

MSVOA_N

ClientSampleId :

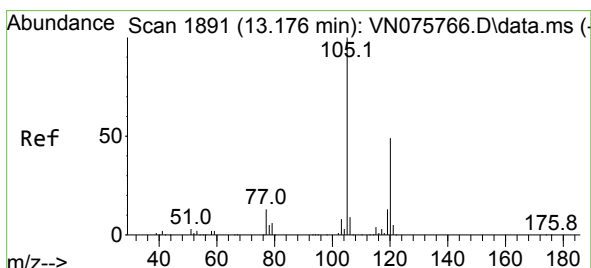
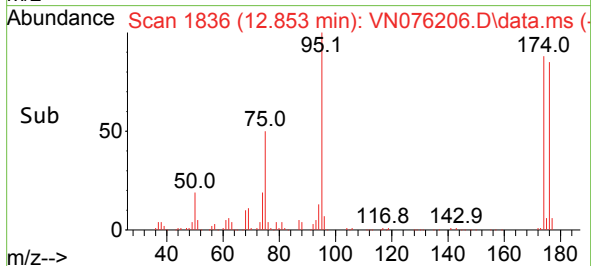
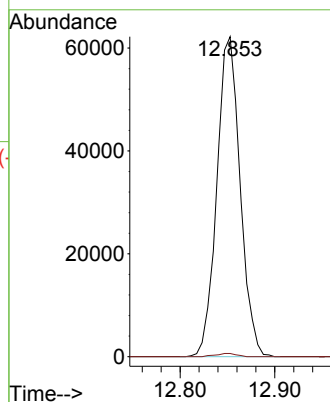
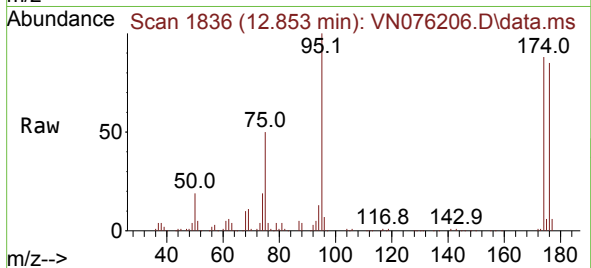
31965

Tgt Ion: 75 Resp: 106285

Ion Ratio Lower Upper

75 100

77 0.9 82.6 247.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.230 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. -0.000 min

Lab File: VN076206.D

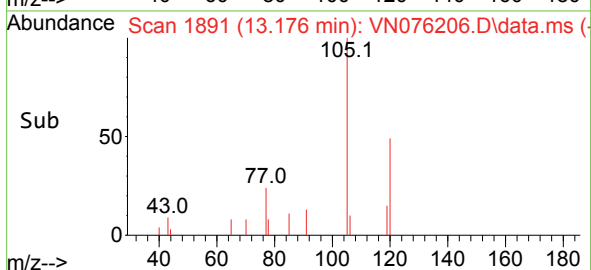
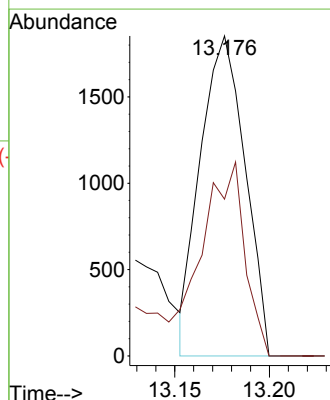
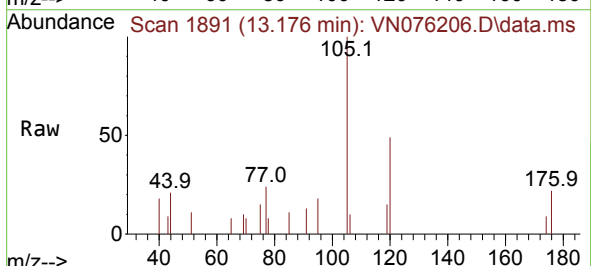
Acq: 11 Jan 2023 13:40

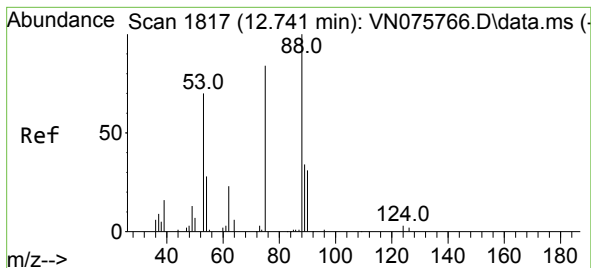
Tgt Ion:105 Resp: 3036

Ion Ratio Lower Upper

105 100

120 58.4 24.7 74.1

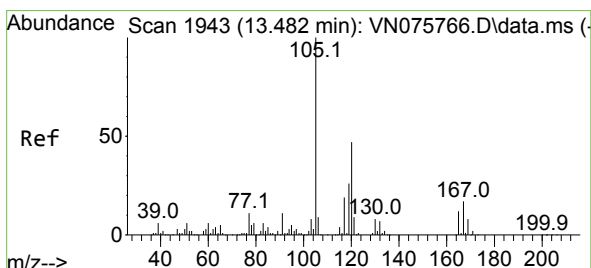
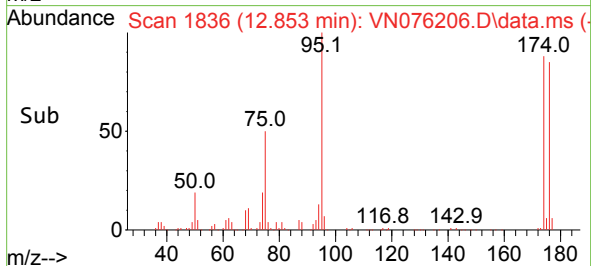
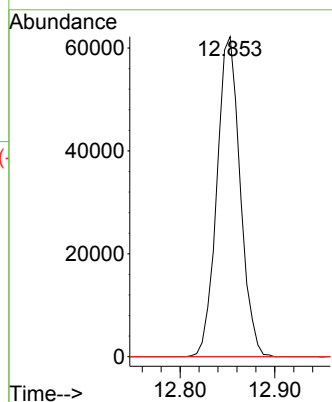
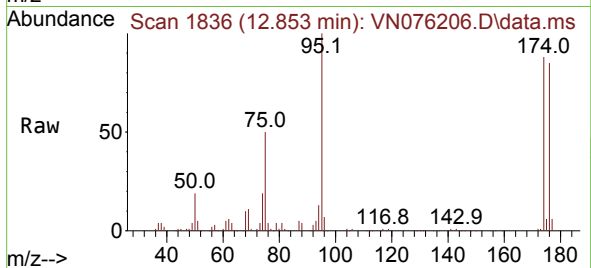




#81
trans-1,4-Dichloro-2-butene
Concen: 86.866 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

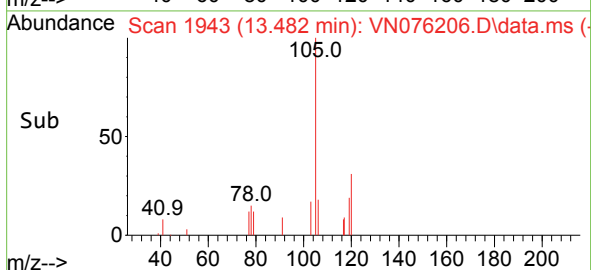
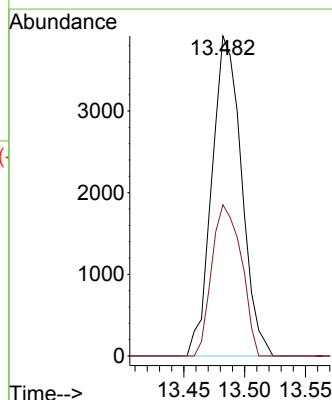
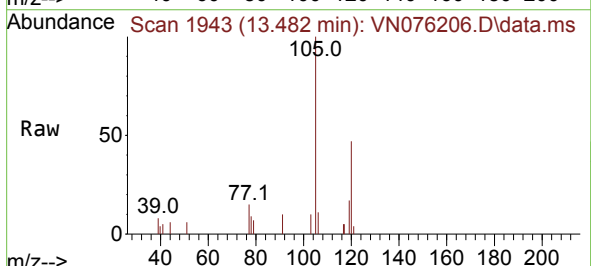
Instrument :
MSVOA_N
ClientSampleId :
31965

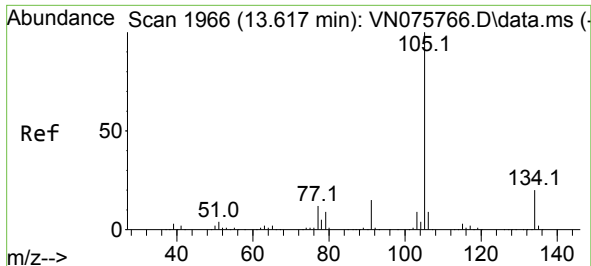
Tgt Ion: 75 Resp: 106285
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.507 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN076206.D
Acq: 11 Jan 2023 13:40

Tgt Ion: 105 Resp: 6641
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.8

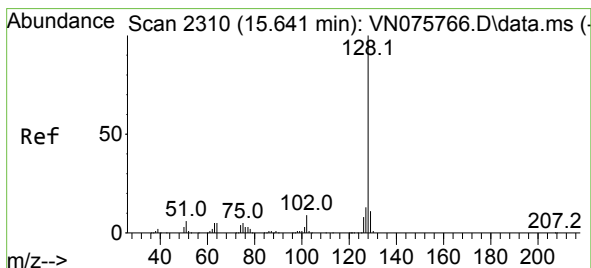
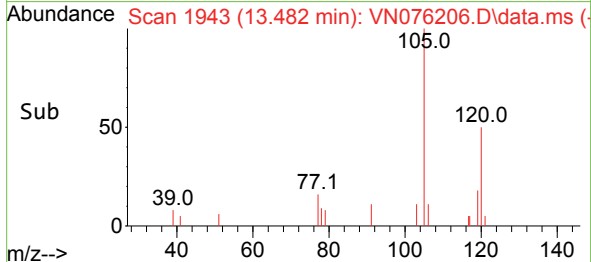
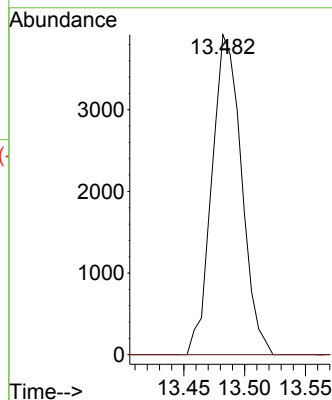
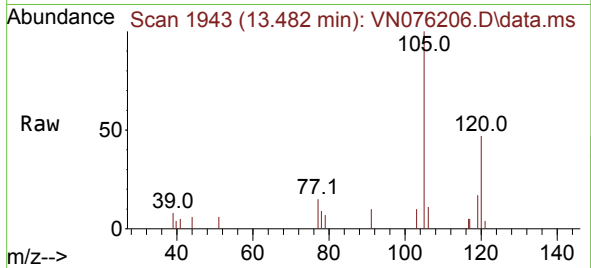




#85
 sec-Butylbenzene
 Concen: 0.413 ug/l
 RT: 13.482 min Scan# 1966
 Delta R.T. -0.135 min
 Lab File: VN076206.D
 Acq: 11 Jan 2023 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 31965

Tgt Ion:105 Resp: 6641
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#95
 Naphthalene
 Concen: 4.781 ug/l
 RT: 15.647 min Scan# 2311
 Delta R.T. 0.006 min
 Lab File: VN076206.D
 Acq: 11 Jan 2023 13:40

Tgt Ion:128 Resp: 32367
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 11.1 8.7 13.1

