

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076298.D
 Acq On : 18 Jan 2023 16:42
 Operator : JC\MD
 Sample : 01190-02
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-1D

Quant Time: Jan 19 00:51:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

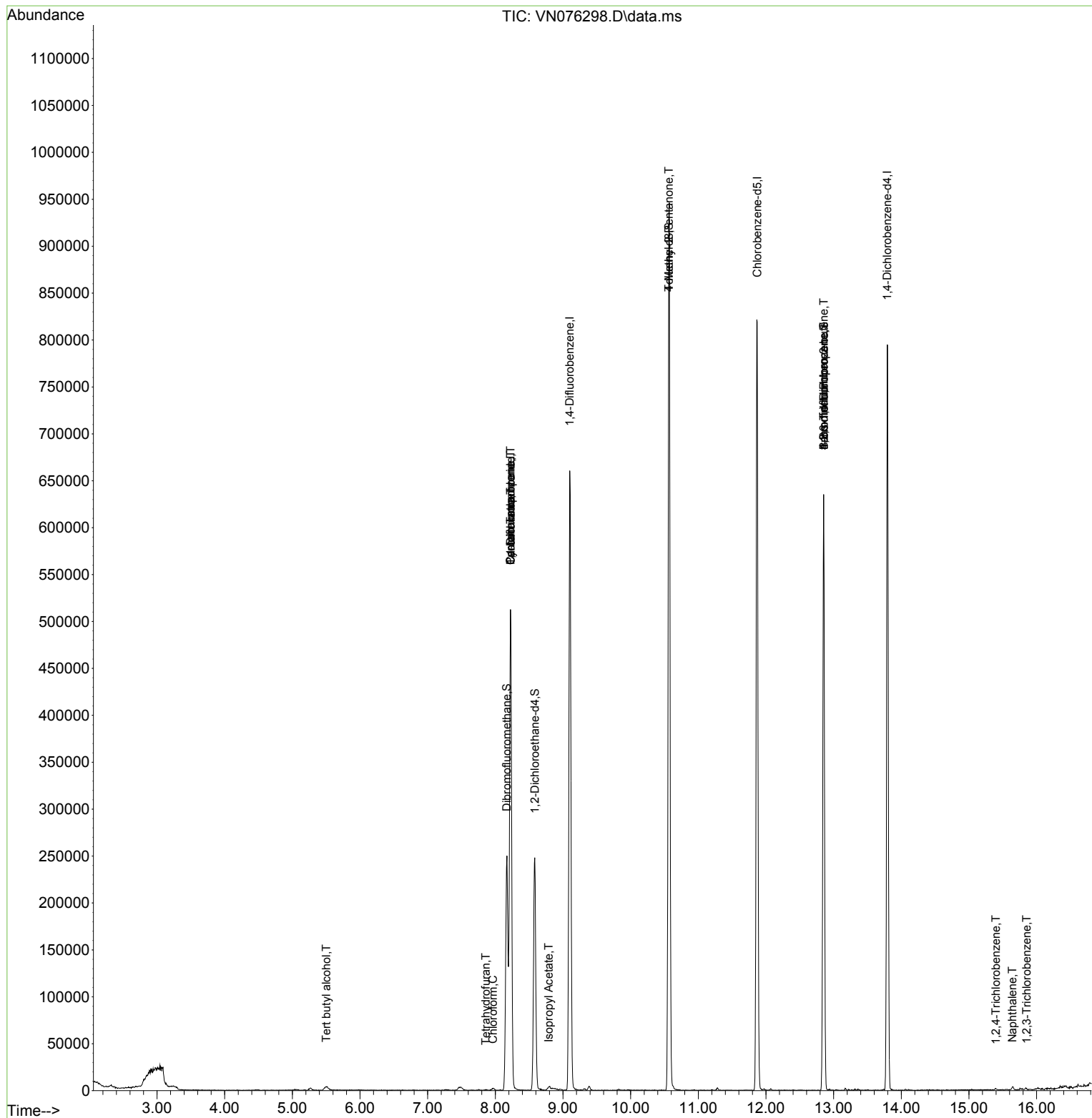
Internal Standards						
1) Pentafluorobenzene	8.224	168	394740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	614348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	512623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	223140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202542	45.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.660%		
35) Dibromofluoromethane	8.171	113	175097	45.563	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.120%		
50) Toluene-d8	10.565	98	691712	48.737	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.480%		
62) 4-Bromofluorobenzene	12.853	95	210683	45.472	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.940%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.500	59	4064	6.874	ug/l #	72
16) Acetone	4.430	43	56	Below Cal	#	41
20) Methylene Chloride	5.265	84	1727	Below Cal	#	79
29) Tetrahydrofuran	7.859	42	531	0.398	ug/l #	57
30) Chloroform	7.965	83	2471	0.322	ug/l	90
31) Cyclohexane	8.224	56	7261	1.069	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	27441	5.025	ug/l #	49
38) Carbon Tetrachloride	8.224	117	38322	6.293	ug/l #	16
43) Isopropyl Acetate	8.788	43	2893	0.406	ug/l #	51
51) 4-Methyl-2-Pentanone	10.565	43	2594	0.620	ug/l #	1
71) Bromoform	12.853	173	1425	0.489	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110128	26.649	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110128	82.116	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.400	180	587	1.451	ug/l	95
95) Naphthalene	15.641	128	3892	2.162	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.853	180	457	1.274	ug/l #	79

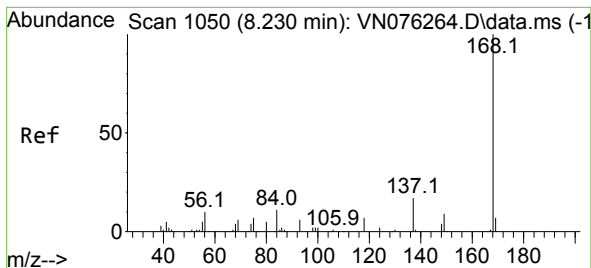
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

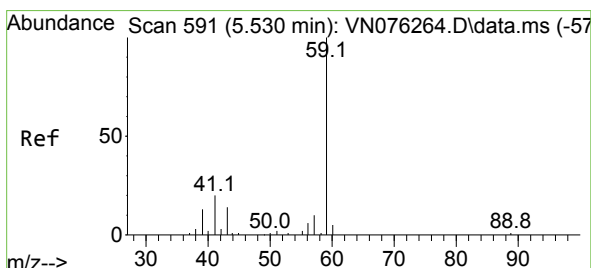
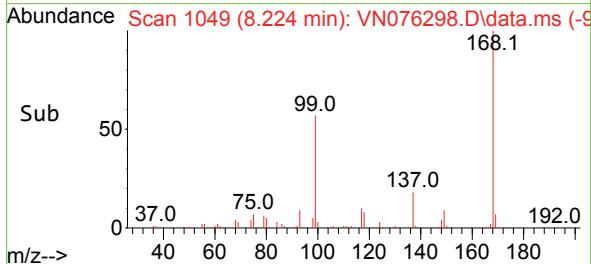
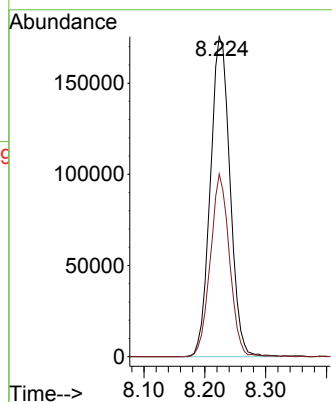
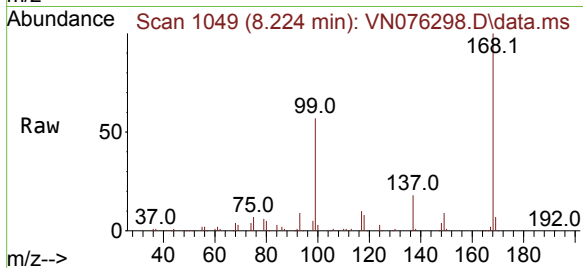
PE-1D

Tgt Ion:168 Resp: 394740

Ion Ratio Lower Upper

168 100

99 57.1 41.6 62.4



#11

Tert butyl alcohol

Concen: 6.874 ug/l

RT: 5.500 min Scan# 586

Delta R.T. -0.030 min

Lab File: VN076298.D

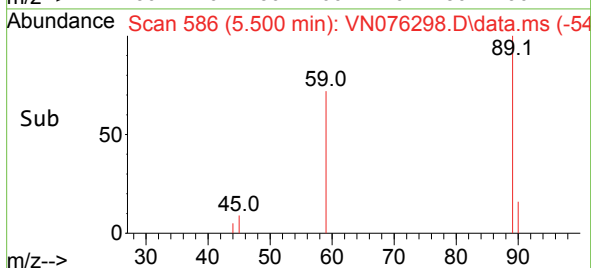
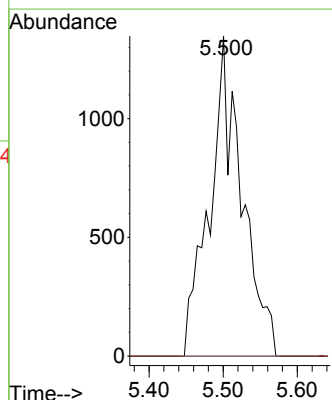
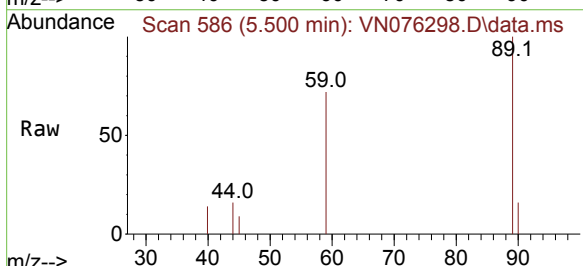
Acq: 18 Jan 2023 16:42

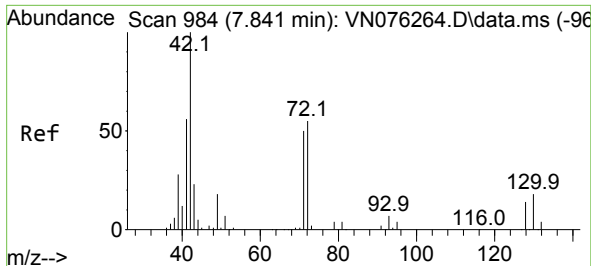
Tgt Ion: 59 Resp: 4064

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#29

Tetrahydrofuran

Concen: 0.398 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

PE-1D

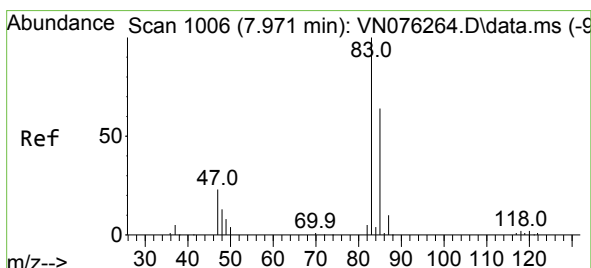
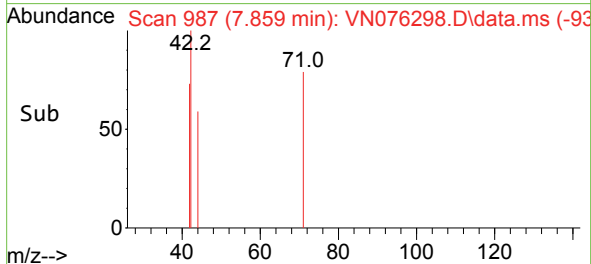
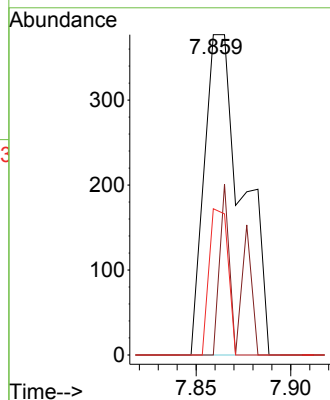
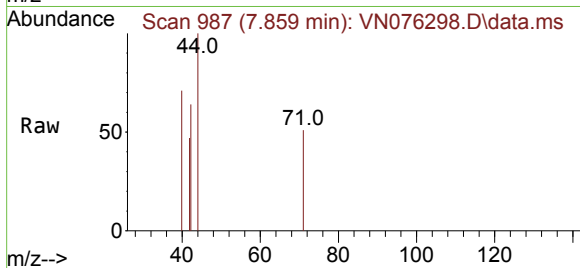
Tgt Ion: 42 Resp: 531

Ion Ratio Lower Upper

42 100

72 23.5 44.0 66.0#

71 22.4 41.1 61.7#



#30

Chloroform

Concen: 0.322 ug/l

RT: 7.965 min Scan# 1005

Delta R.T. -0.006 min

Lab File: VN076298.D

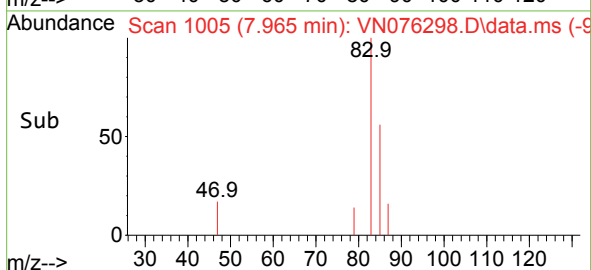
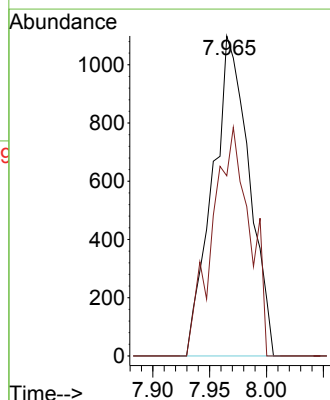
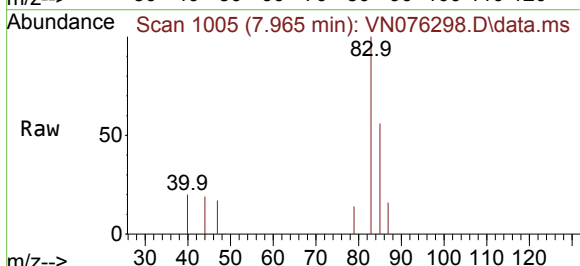
Acq: 18 Jan 2023 16:42

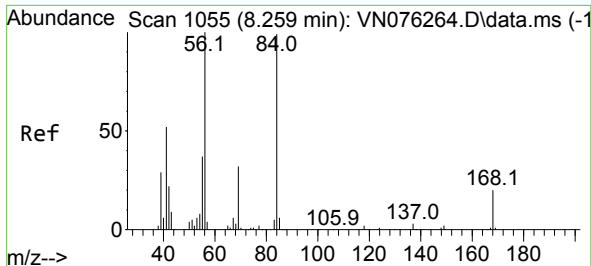
Tgt Ion: 83 Resp: 2471

Ion Ratio Lower Upper

83 100

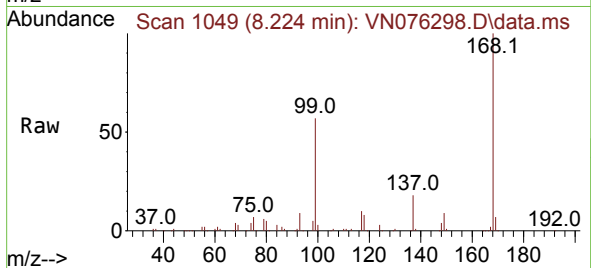
85 56.3 51.0 76.6



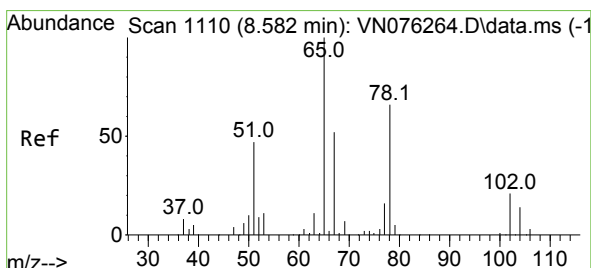
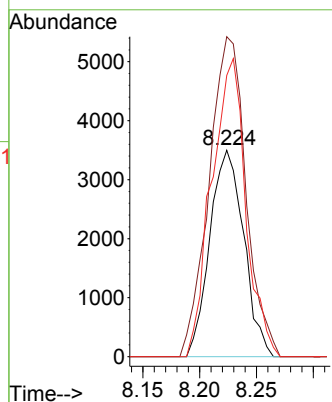
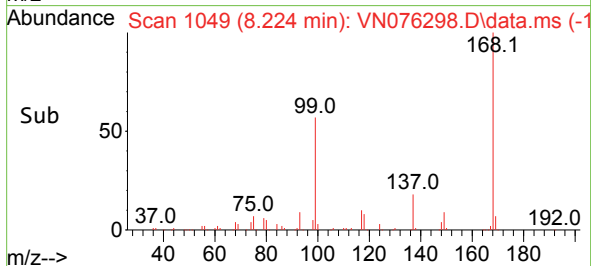


#31
Cyclohexane
Concen: 1.069 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

Instrument :
MSVOA_N
ClientSampleId :
PE-1D

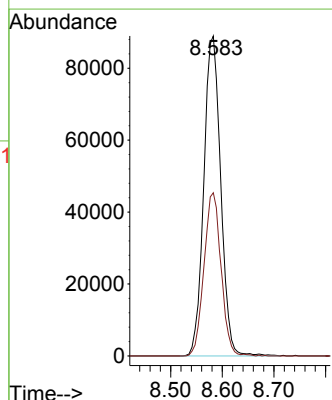
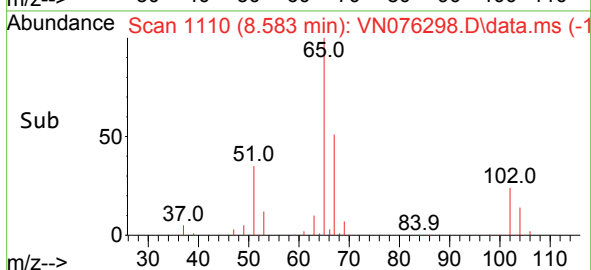
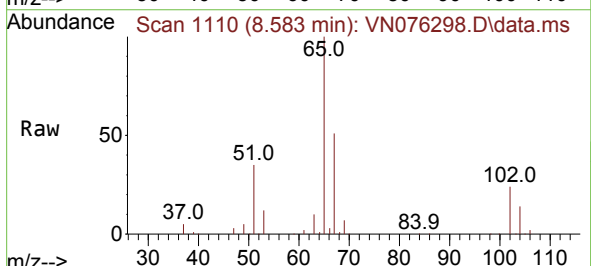


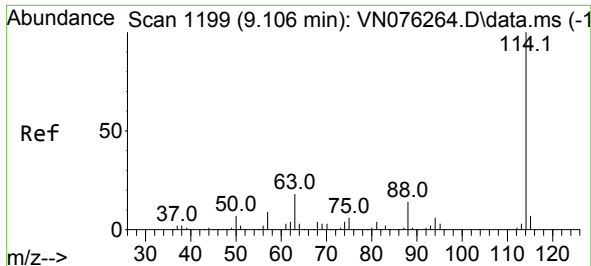
Tgt Ion: 56 Resp: 7261
Ion Ratio Lower Upper
56 100
69 155.0 25.8 38.8#
84 136.3 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 45.826 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

Tgt Ion: 65 Resp: 202542
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

PE-1D

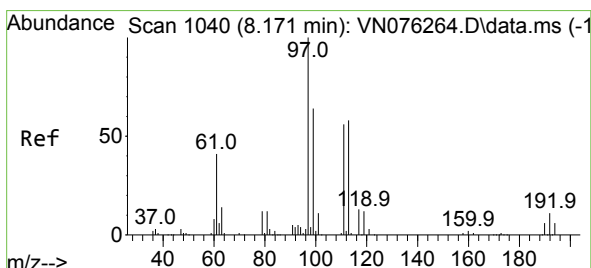
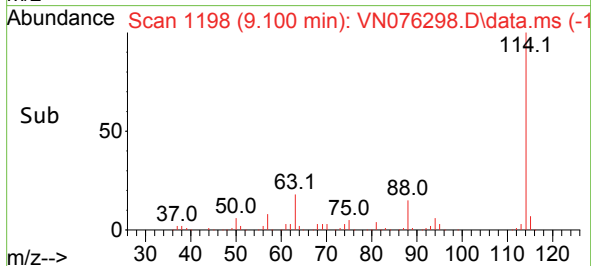
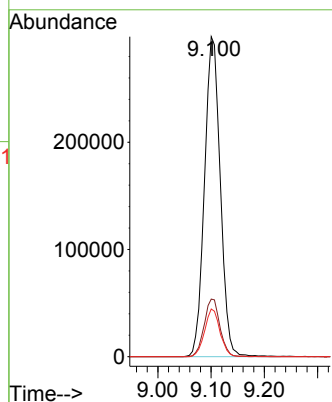
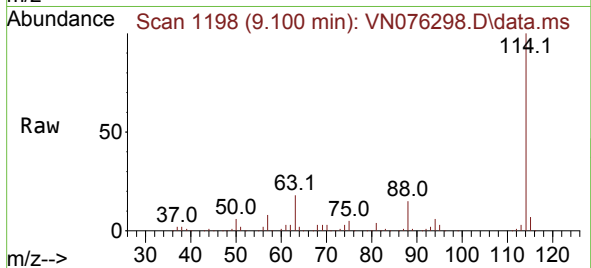
Tgt Ion:114 Resp: 614348

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.8

88 14.9 0.0 28.0



#35

Dibromofluoromethane

Concen: 45.563 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

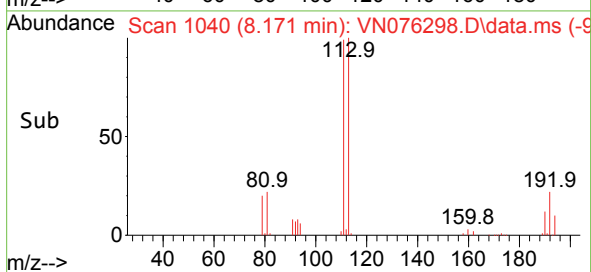
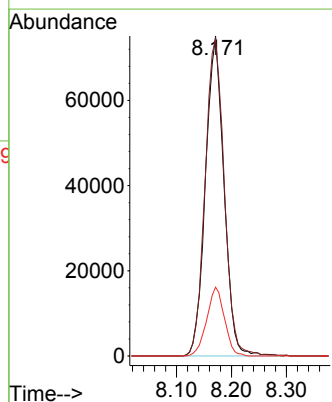
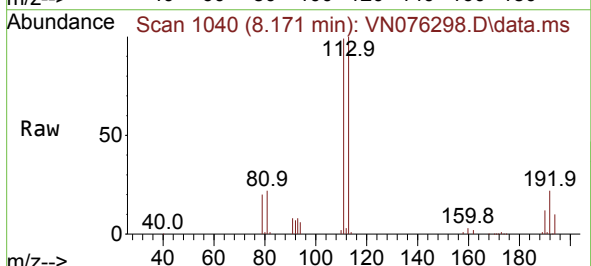
Tgt Ion:113 Resp: 175097

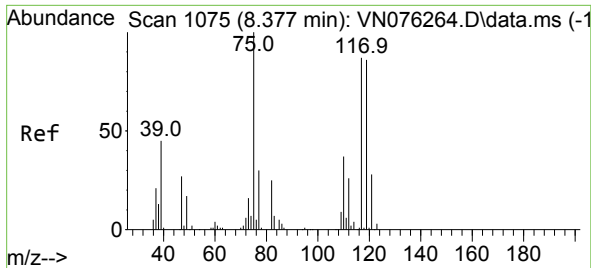
Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

192 20.7 15.6 23.4

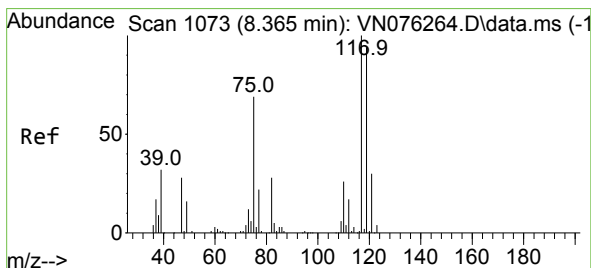
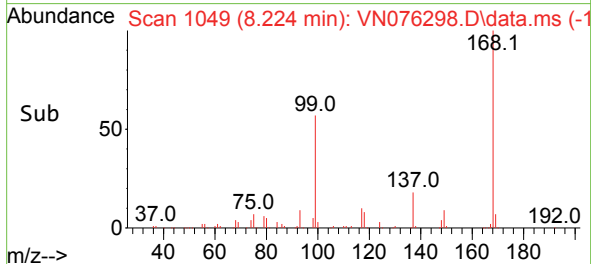
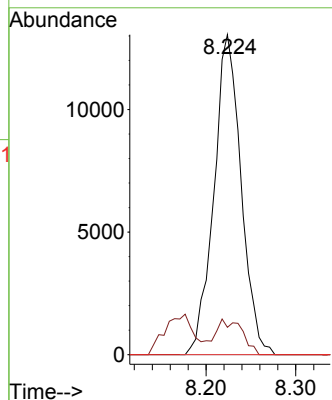
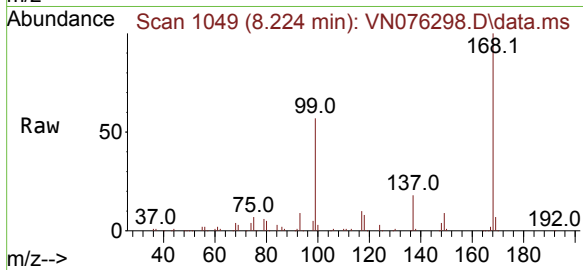




#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 8.224 min Scan# 1049
 Delta R.T. -0.153 min
 Lab File: VN076298.D
 Acq: 18 Jan 2023 16:42

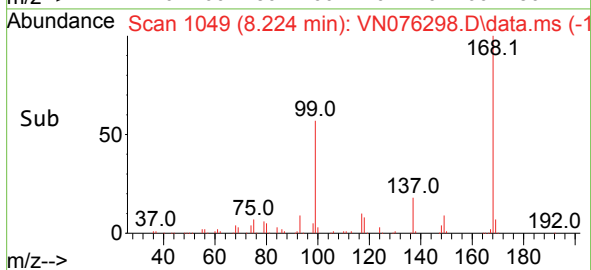
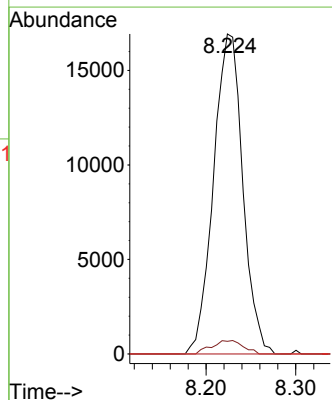
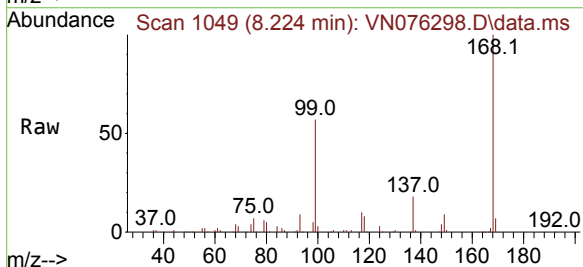
Instrument :
 MSVOA_N
 ClientSampleId :
 PE-1D

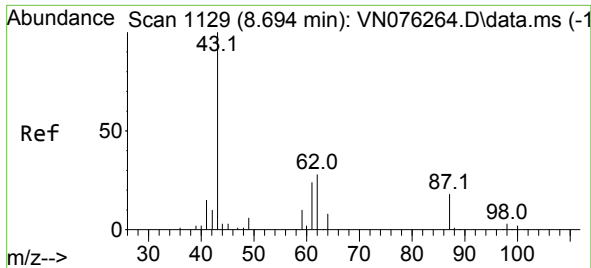
Tgt Ion: 75 Resp: 27441
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.8 56.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.293 ug/l
 RT: 8.224 min Scan# 1049
 Delta R.T. -0.141 min
 Lab File: VN076298.D
 Acq: 18 Jan 2023 16:42

Tgt Ion: 117 Resp: 38322
 Ion Ratio Lower Upper
 117 100
 119 4.0 75.4 113.0#
 121 0.0 24.2 36.2#

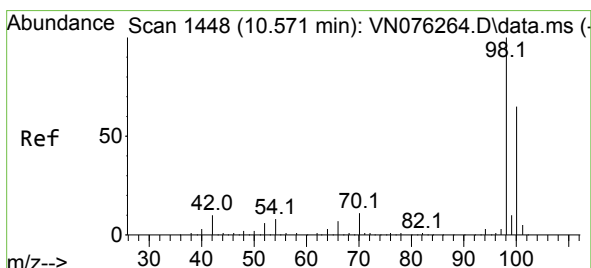
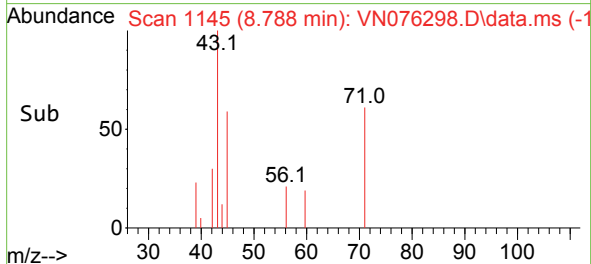
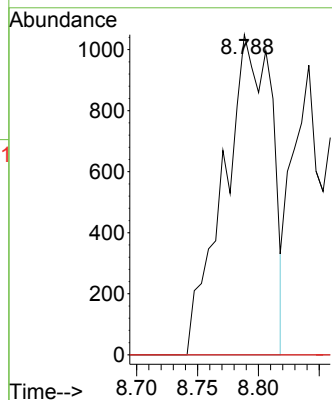
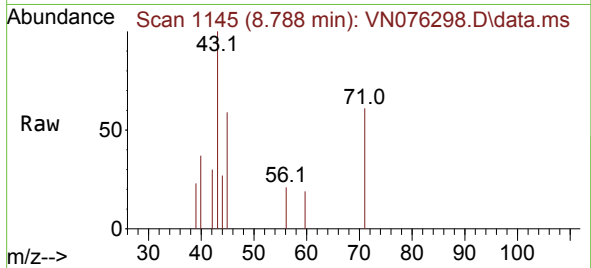




#43
Isopropyl Acetate
Concen: 0.406 ug/l
RT: 8.788 min Scan# 1129
Delta R.T. 0.094 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

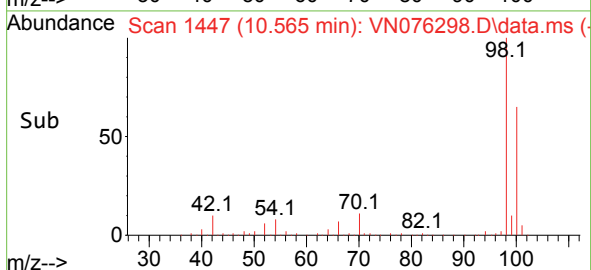
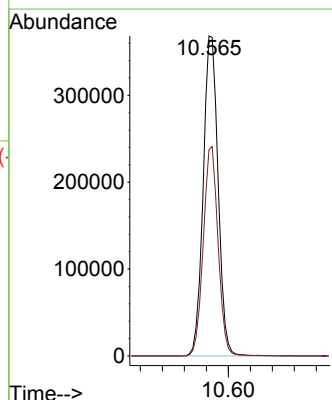
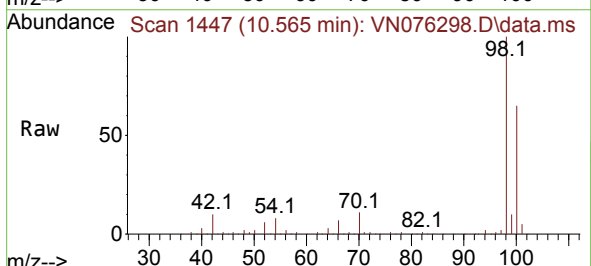
Instrument :
MSVOA_N
ClientSampleId :
PE-1D

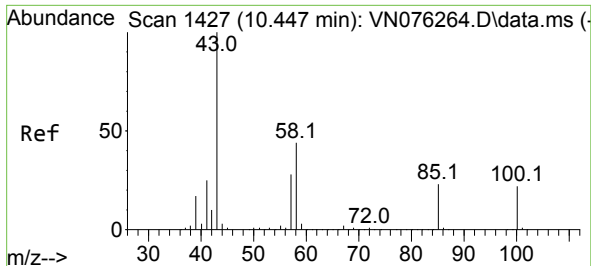
Tgt Ion: 43 Resp: 2893
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#50
Toluene-d8
Concen: 48.737 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

Tgt Ion: 98 Resp: 691712
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

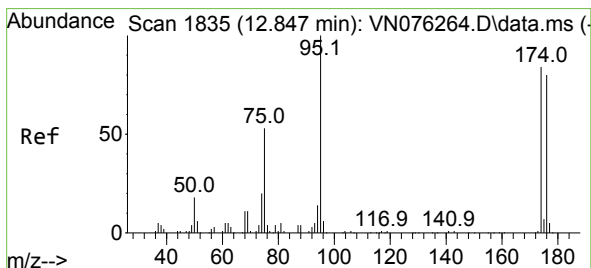
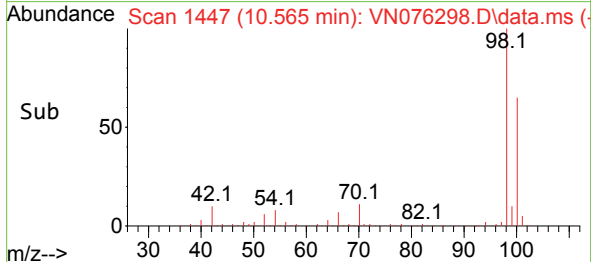
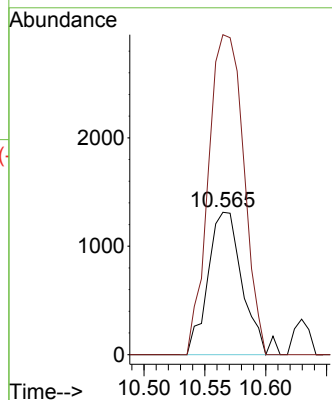
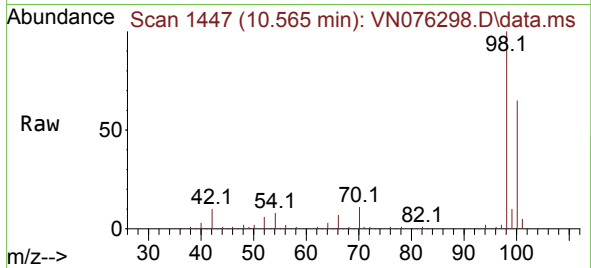




#51
4-Methyl-2-Pentanone
Concen: 0.620 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

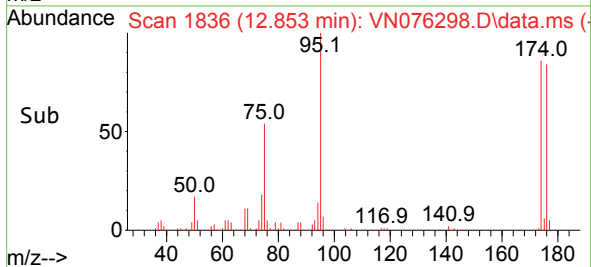
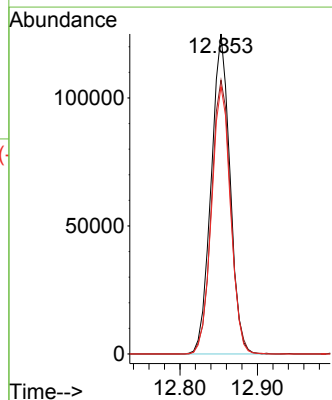
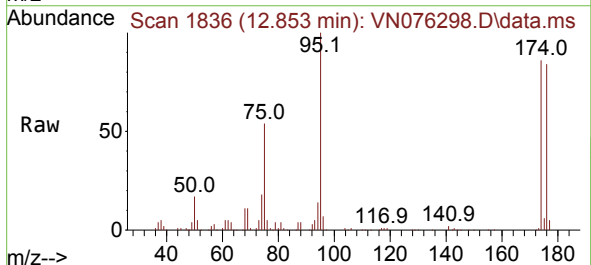
Instrument :
MSVOA_N
ClientSampleId :
PE-1D

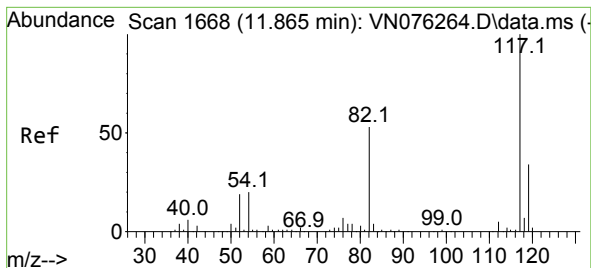
Tgt Ion: 43 Resp: 2594
Ion Ratio Lower Upper
43 100
58 230.2 35.1 52.7#



#62
4-Bromofluorobenzene
Concen: 45.472 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

Tgt Ion: 95 Resp: 210683
Ion Ratio Lower Upper
95 100
174 87.3 0.0 174.6
176 84.1 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

PE-1D

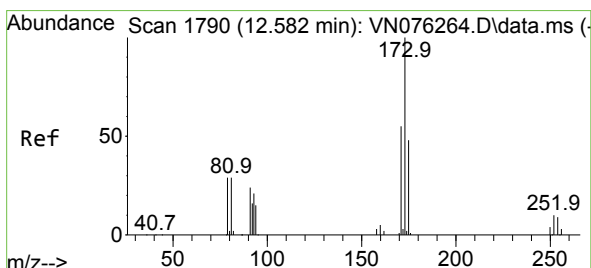
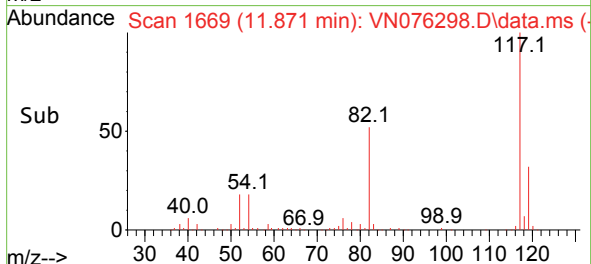
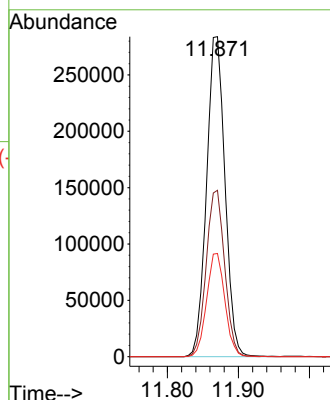
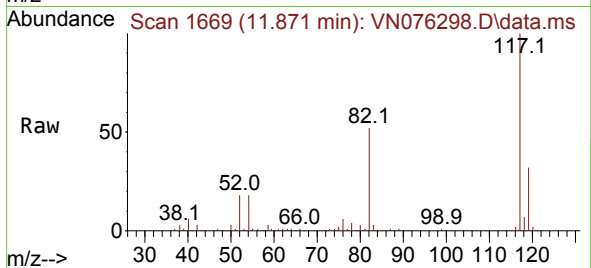
Tgt Ion:117 Resp: 512623

Ion Ratio Lower Upper

117 100

82 52.0 42.2 63.2

119 32.3 26.9 40.3



#71

Bromoform

Concen: 0.489 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

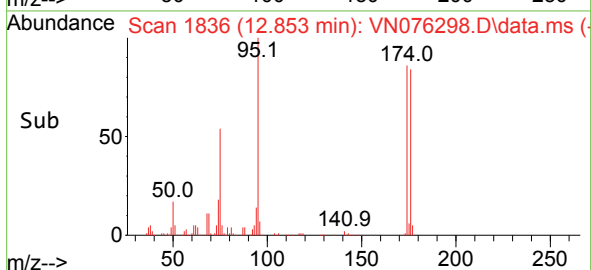
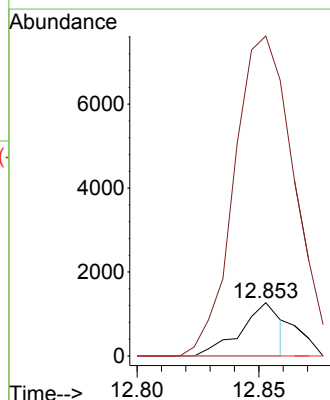
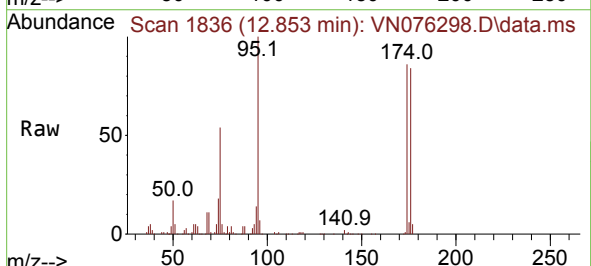
Tgt Ion:173 Resp: 1425

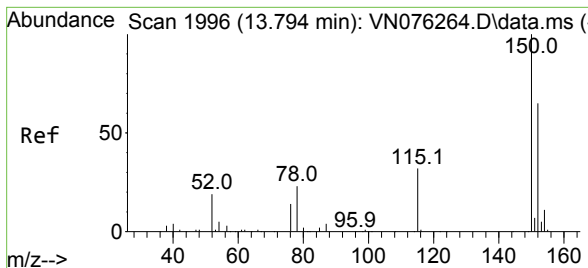
Ion Ratio Lower Upper

173 100

175 729.8 24.1 72.4#

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: VN076298.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

PE-1D

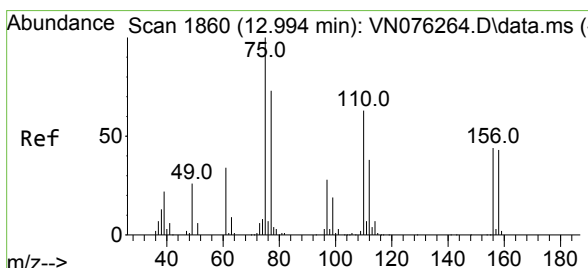
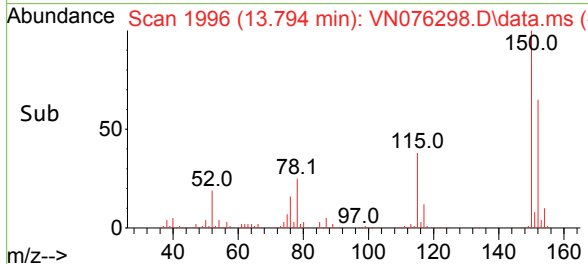
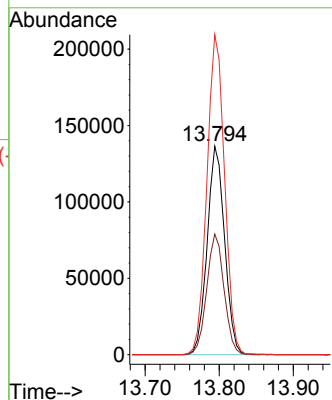
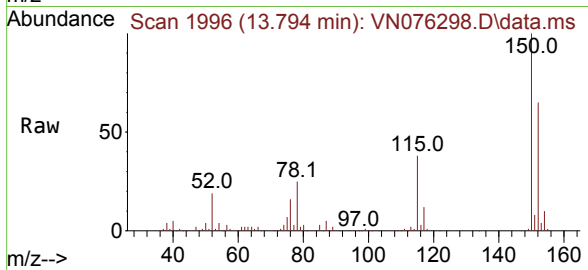
Tgt Ion:152 Resp: 223140

Ion Ratio Lower Upper

152 100

115 57.4 29.6 88.9

150 155.4 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 26.649 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076298.D

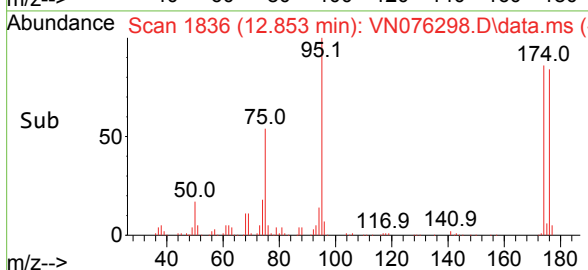
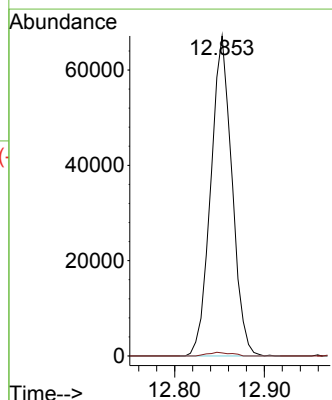
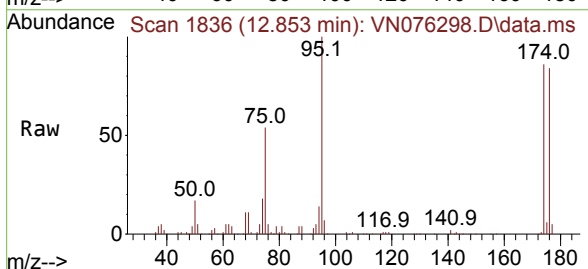
Acq: 18 Jan 2023 16:42

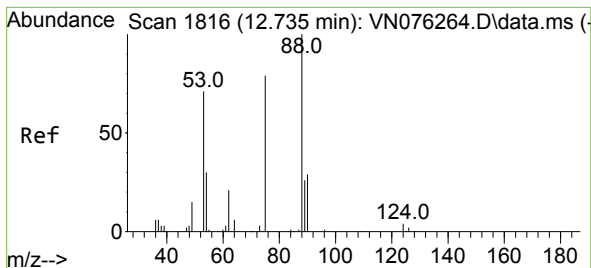
Tgt Ion: 75 Resp: 110128

Ion Ratio Lower Upper

75 100

77 1.3 75.2 225.6#

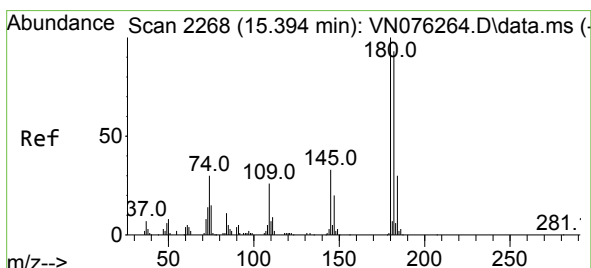
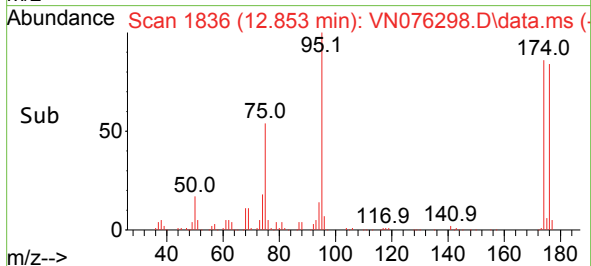
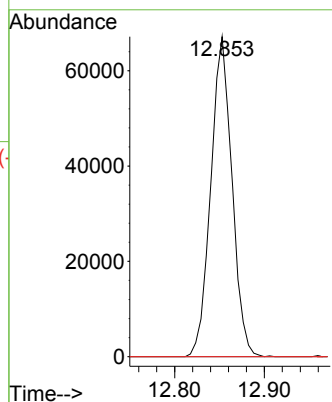
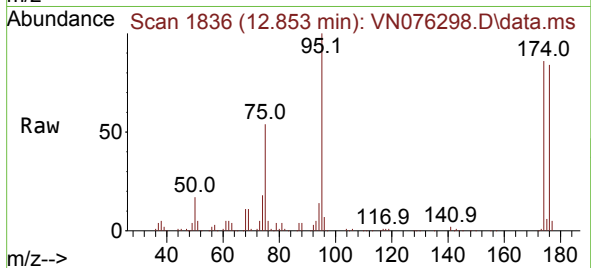




#81
trans-1,4-Dichloro-2-butene
Concen: 82.116 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

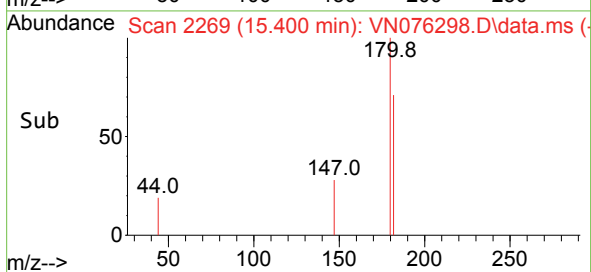
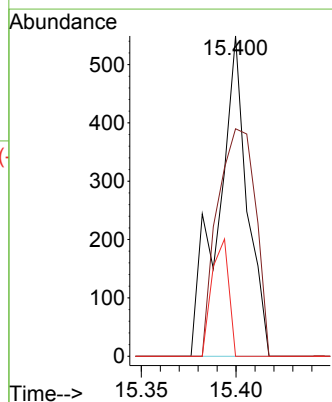
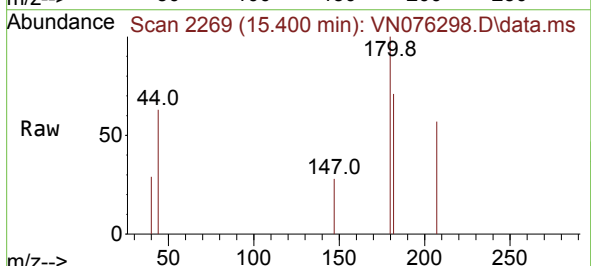
Instrument :
MSVOA_N
ClientSampleId :
PE-1D

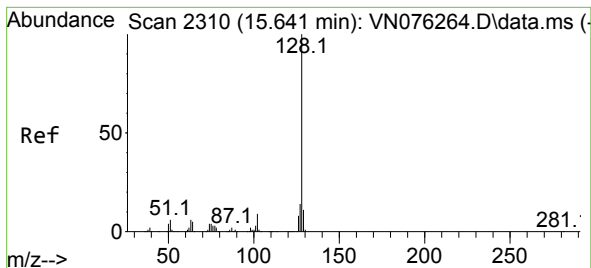
Tgt Ion: 75 Resp: 110128
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.451 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN076298.D
Acq: 18 Jan 2023 16:42

Tgt Ion:180 Resp: 587
Ion Ratio Lower Upper
180 100
182 92.8 47.0 141.2
145 21.3 15.2 45.5





#95

Naphthalene

Concen: 2.162 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

PE-1D

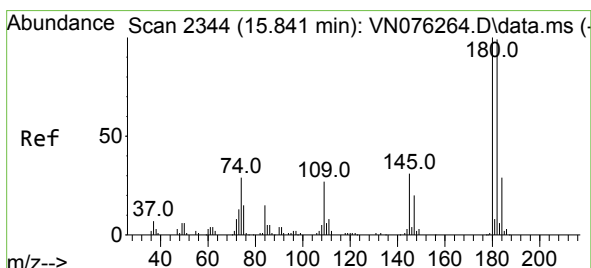
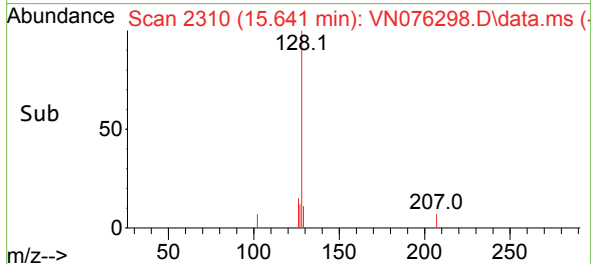
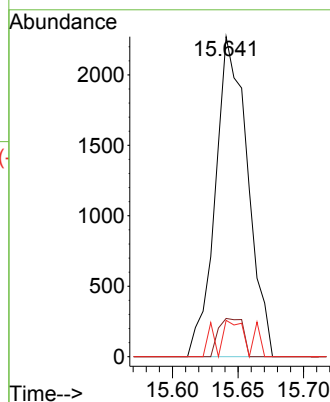
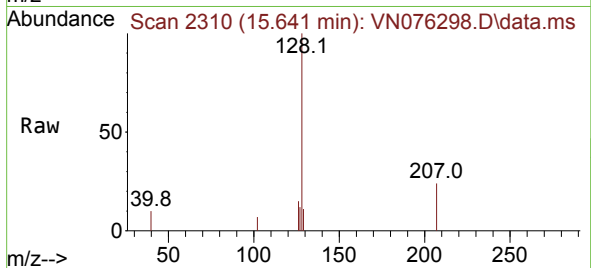
Tgt Ion:128 Resp: 3892

Ion Ratio Lower Upper

128 100

127 9.1 10.3 15.5#

129 11.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.274 ug/l

RT: 15.853 min Scan# 2346

Delta R.T. 0.012 min

Lab File: VN076298.D

Acq: 18 Jan 2023 16:42

Tgt Ion:180 Resp: 457

Ion Ratio Lower Upper

180 100

182 103.5 47.5 142.5

145 0.0 15.9 47.6#

