

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076305.D
 Acq On : 18 Jan 2023 19:31
 Operator : JC\MD
 Sample : 01190-09
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-8

Quant Time: Jan 19 00:54:53 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)

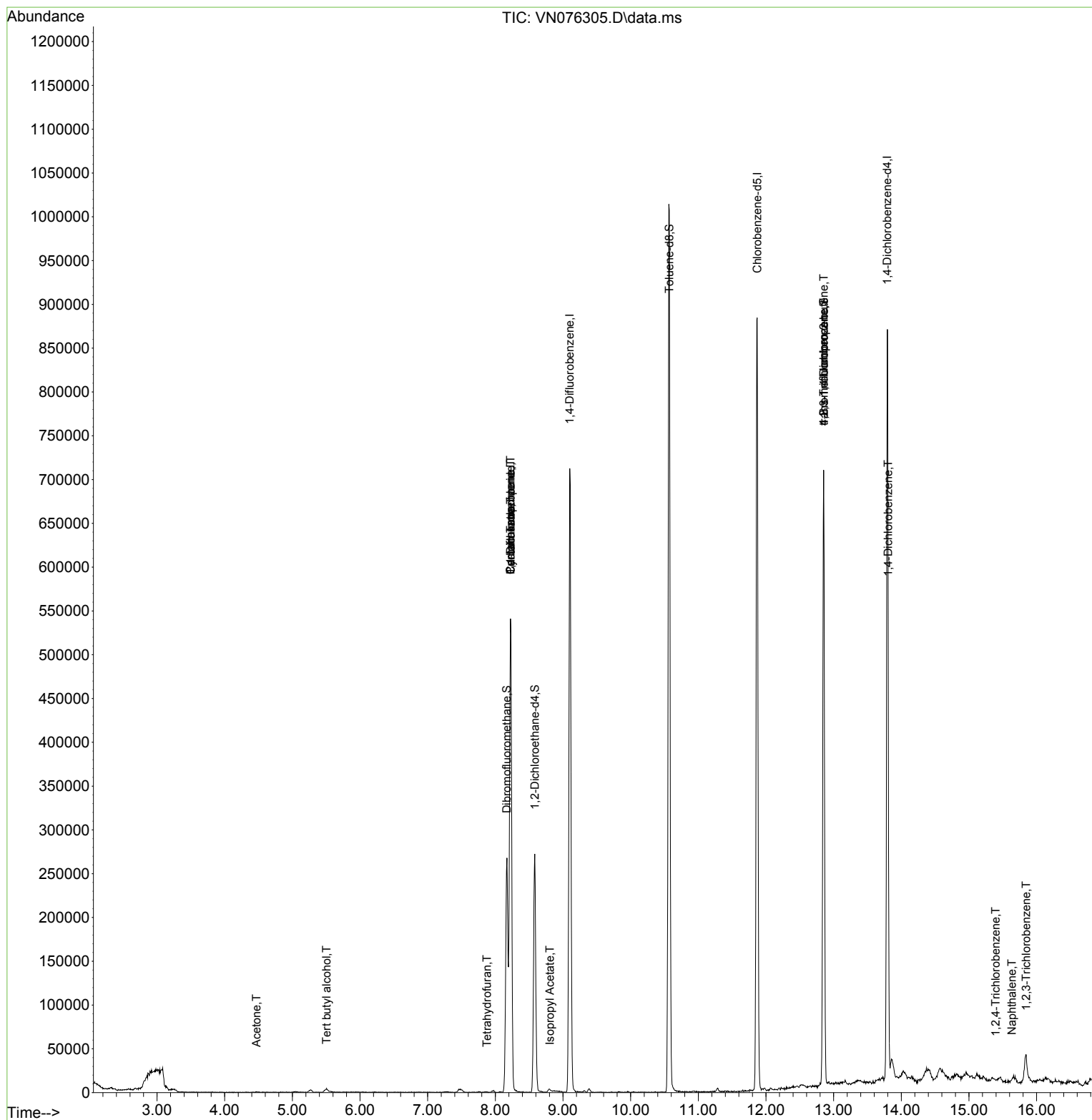
Internal Standards						
1) Pentafluorobenzene	8.224	168	430693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	659692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	554435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	242527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	216675	44.931	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.860%
35) Dibromofluoromethane	8.171	113	186768	45.259	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.520%
50) Toluene-d8	10.571	98	747574	49.053	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.853	95	237457	47.728	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	3568	5.532	ug/l #	72
16) Acetone	4.471	43	598	0.313	ug/l #	41
20) Methylene Chloride	5.271	84	2375	Below Cal	#	72
29) Tetrahydrofuran	7.877	42	374	0.257	ug/l #	46
31) Cyclohexane	8.224	56	8064	1.089	ug/l #	6
36) 1,1-Dichloropropene	8.224	75	29670	5.060	ug/l #	51
38) Carbon Tetrachloride	8.224	117	41545	6.353	ug/l #	18
43) Isopropyl Acetate	8.806	43	2350	0.307	ug/l #	51
76) 1,2,3-Trichloropropane	12.853	75	122962	27.402	ug/l #	1
77) Bromobenzene	12.982	156	58	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	122962	84.357	ug/l #	12
88) 1,4-Dichlorobenzene	13.806	146	911	0.209	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.394	180	173	1.345	ug/l #	1
95) Naphthalene	15.635	128	2839	2.056	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	145	1.189	ug/l #	53

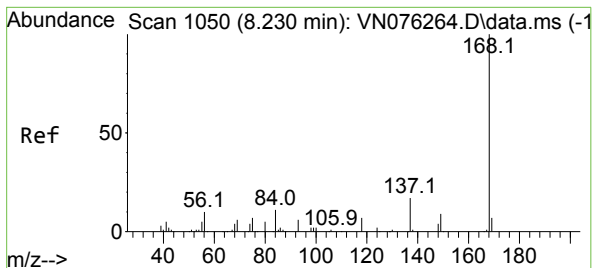
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

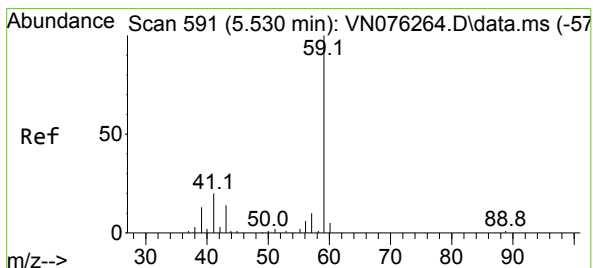
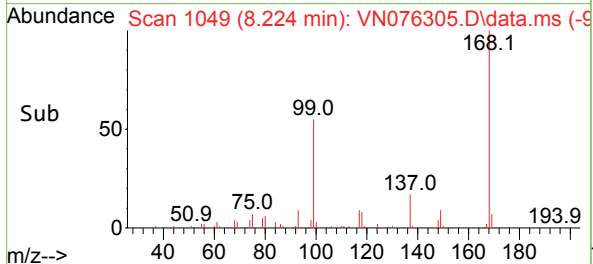
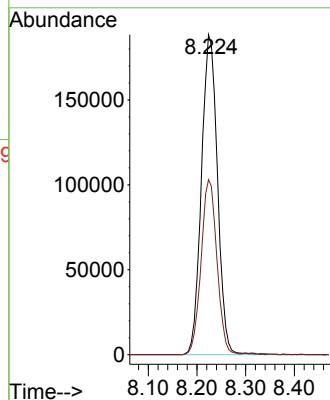
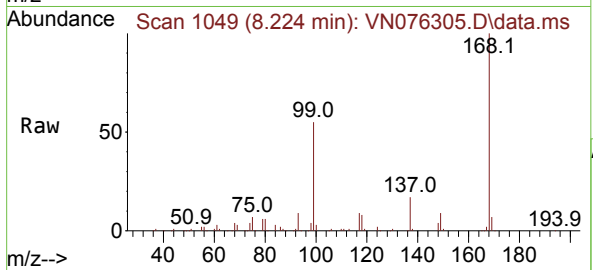
PE-8

Tgt Ion:168 Resp: 430693

Ion Ratio Lower Upper

168 100

99 54.7 41.6 62.4



#11

Tert butyl alcohol

Concen: 5.532 ug/l

RT: 5.506 min Scan# 587

Delta R.T. -0.024 min

Lab File: VN076305.D

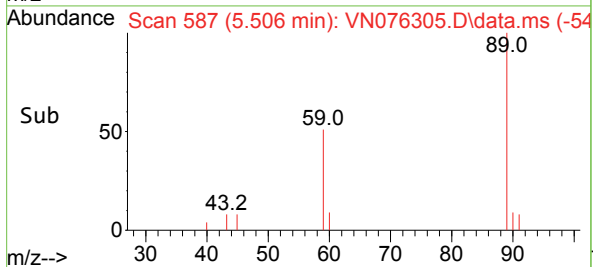
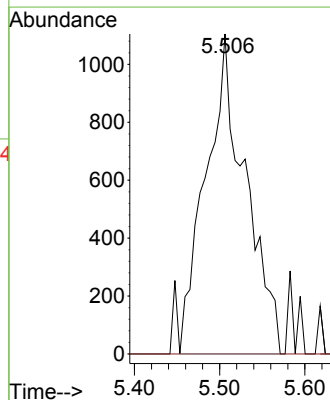
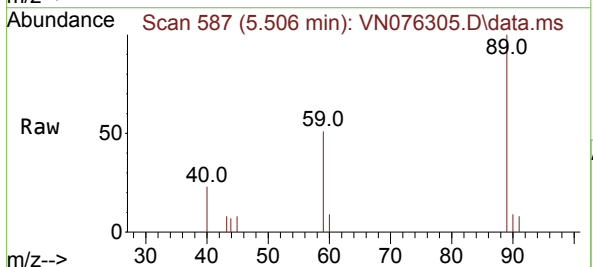
Acq: 18 Jan 2023 19:31

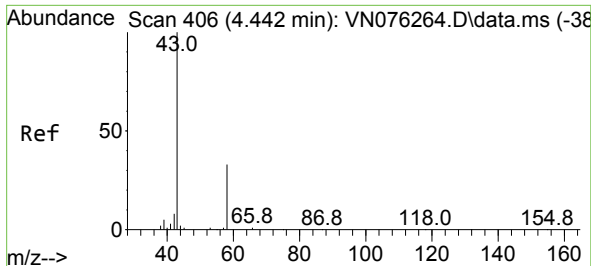
Tgt Ion: 59 Resp: 3568

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

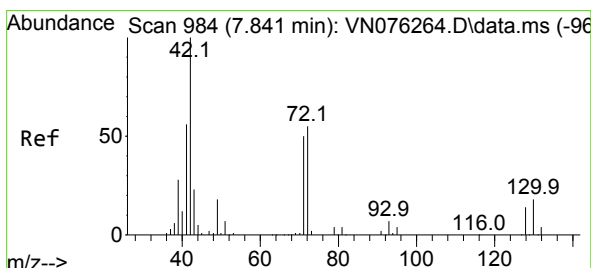
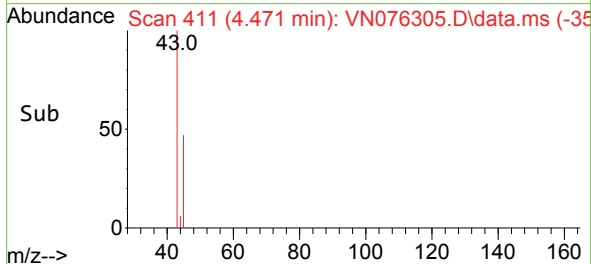
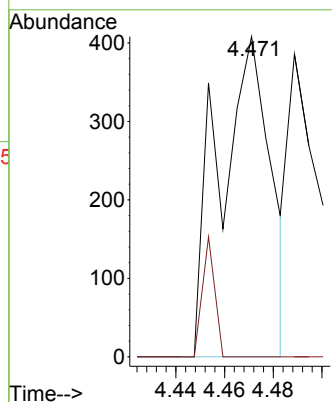
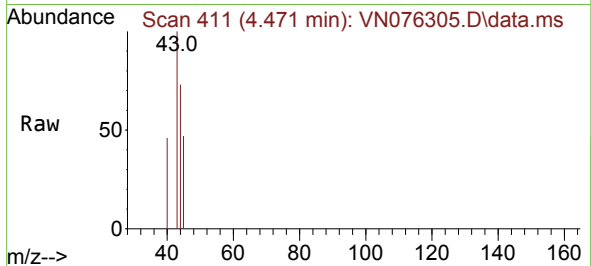




#16
Acetone
Concen: 0.313 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

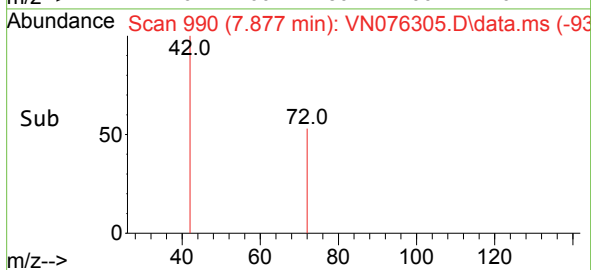
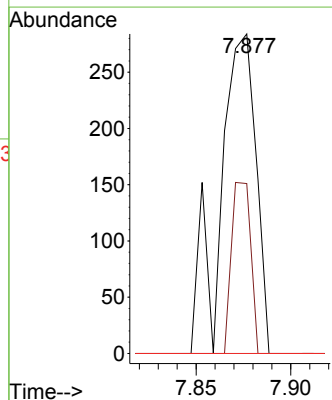
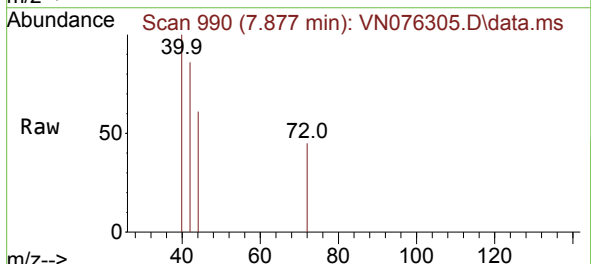
Instrument :
MSVOA_N
ClientSampleId :
PE-8

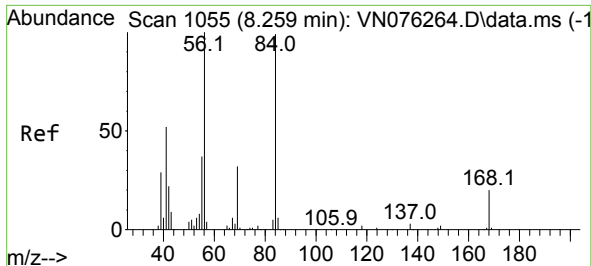
Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#29
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 7.877 min Scan# 990
Delta R.T. 0.036 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

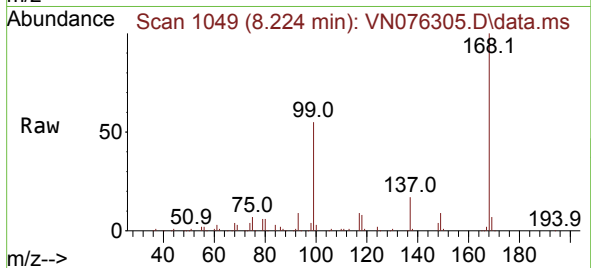
Tgt Ion: 42 Resp: 374
Ion Ratio Lower Upper
42 100
72 28.6 44.0 66.0#
71 0.0 41.1 61.7#



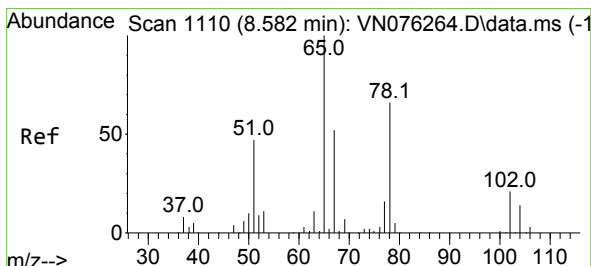
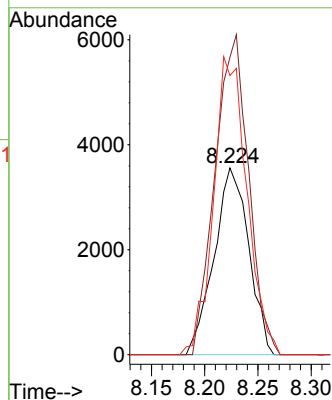
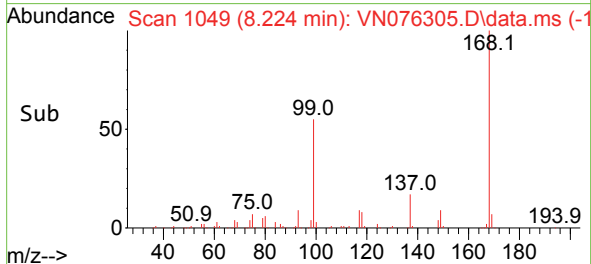


#31
Cyclohexane
Concen: 1.089 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :
PE-8

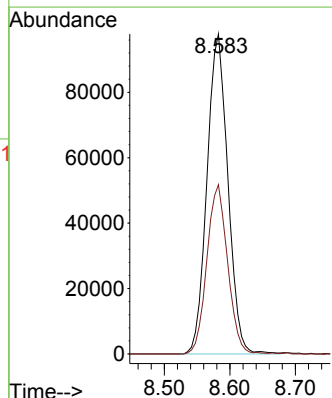
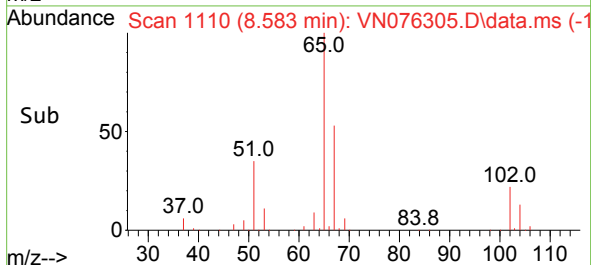
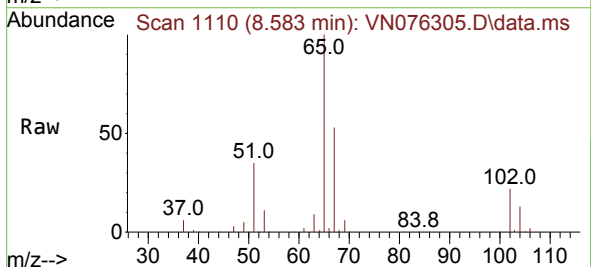


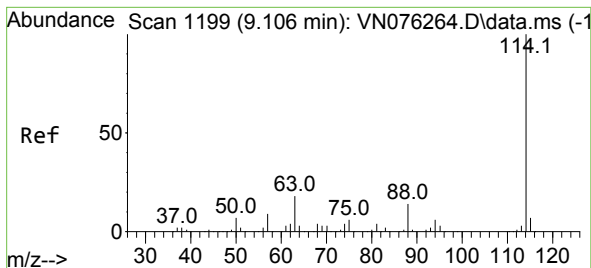
Tgt Ion: 56 Resp: 8064
Ion Ratio Lower Upper
56 100
69 159.3 25.8 38.8#
84 149.5 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 44.931 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

Tgt Ion: 65 Resp: 216675
Ion Ratio Lower Upper
65 100
67 52.5 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: VN076305.D

Acq: 18 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

PE-8

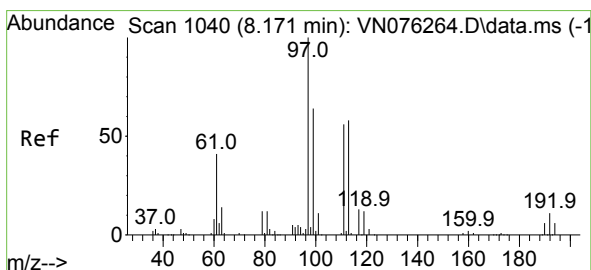
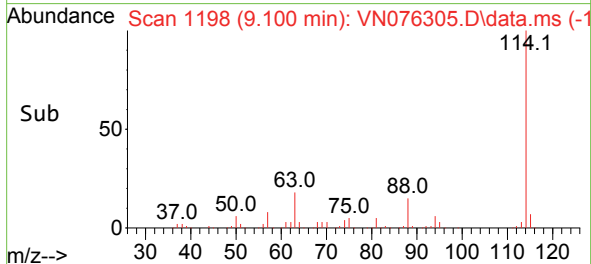
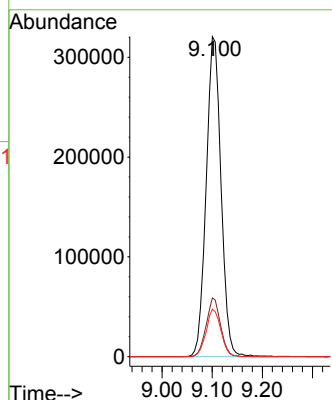
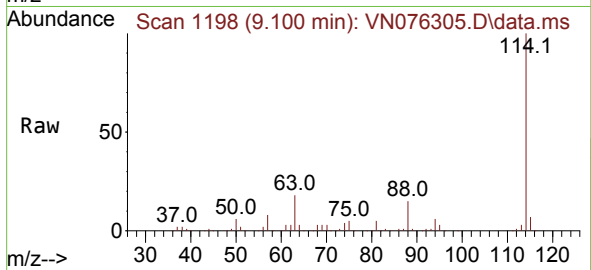
Tgt Ion:114 Resp: 659692

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.8

88 14.9 0.0 28.0



#35

Dibromofluoromethane

Concen: 45.259 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

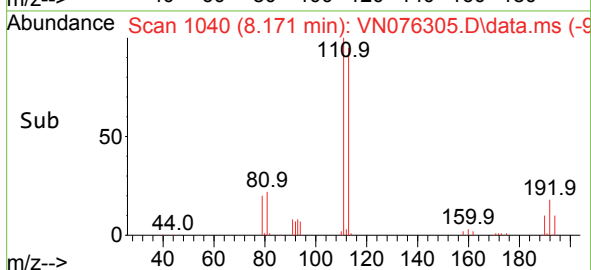
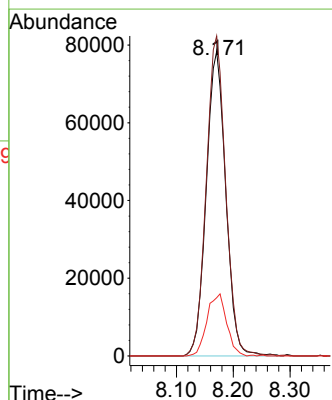
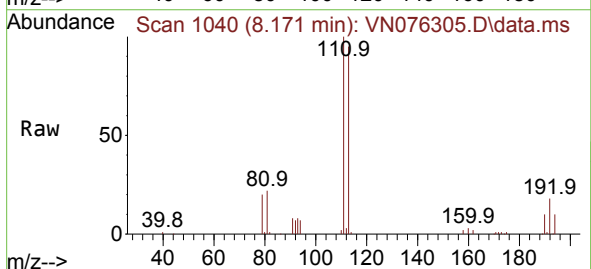
Tgt Ion:113 Resp: 186768

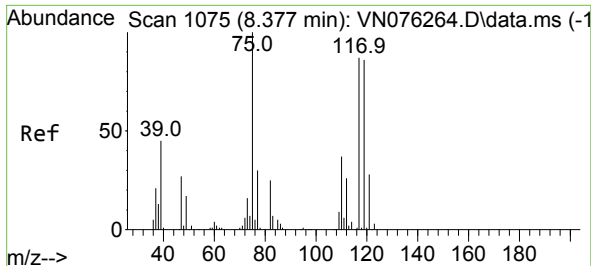
Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

192 20.6 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.060 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

PE-8

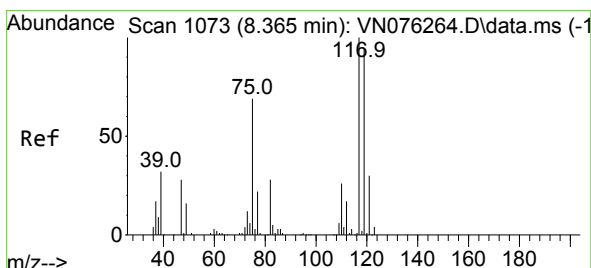
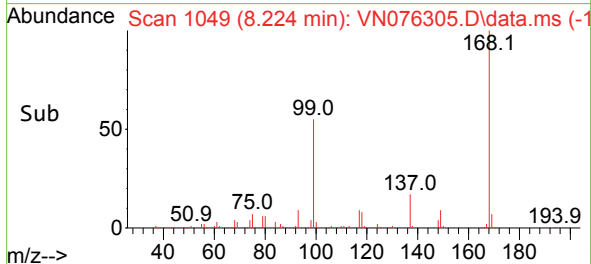
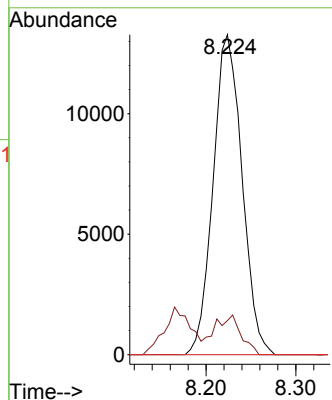
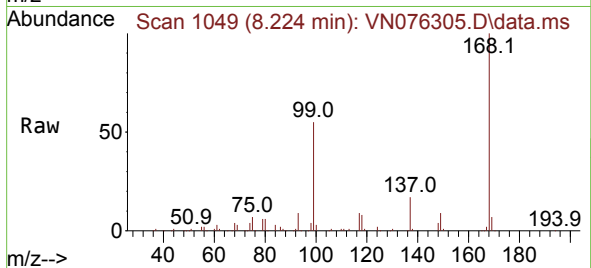
Tgt Ion: 75 Resp: 29670

Ion Ratio Lower Upper

75 100

110 11.6 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.353 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

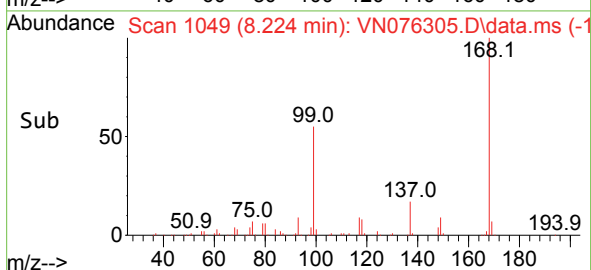
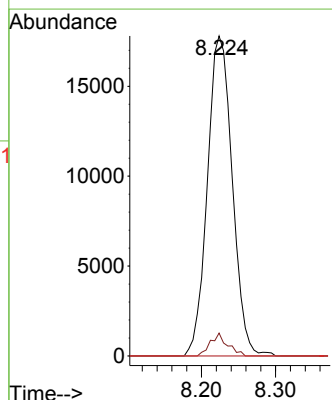
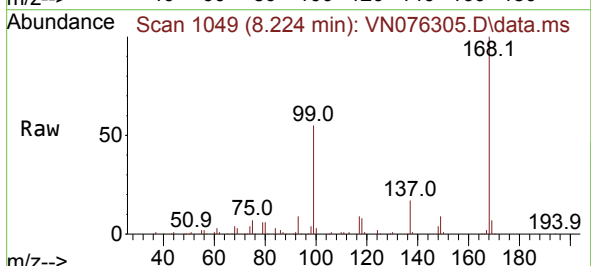
Tgt Ion: 117 Resp: 41545

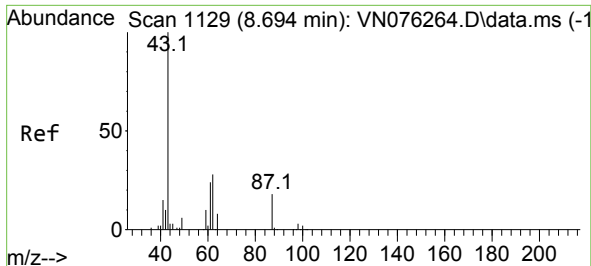
Ion Ratio Lower Upper

117 100

119 7.2 75.4 113.0#

121 0.0 24.2 36.2#

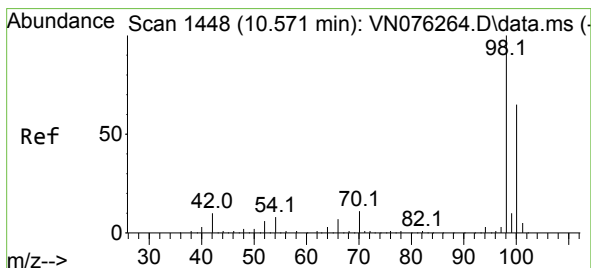
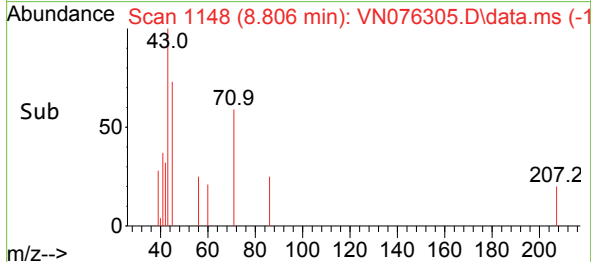
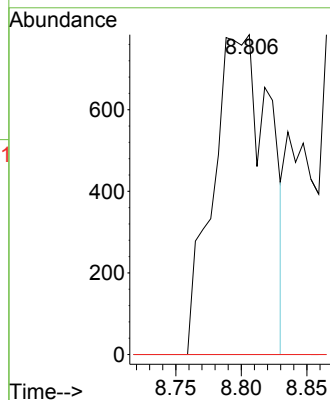
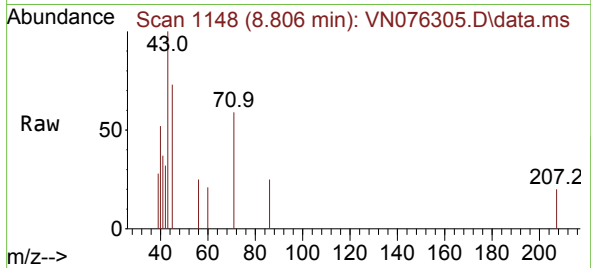




#43
Isopropyl Acetate
Concen: 0.307 ug/l
RT: 8.806 min Scan# 1129
Delta R.T. 0.112 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

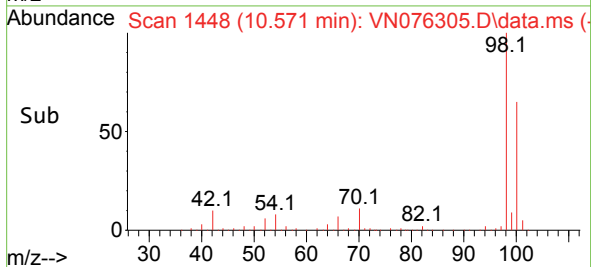
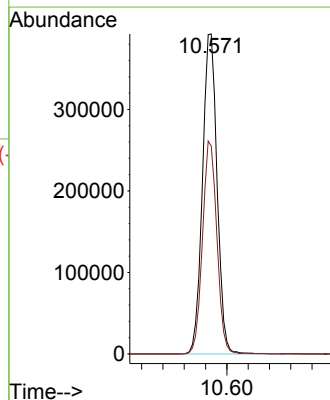
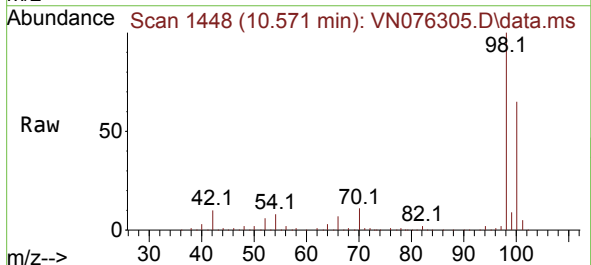
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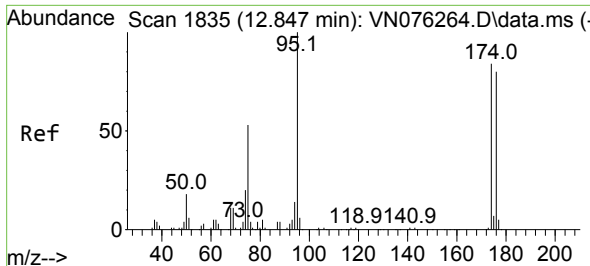
Tgt Ion: 43 Resp: 2350
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#50
Toluene-d8
Concen: 49.053 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

Tgt Ion: 98 Resp: 747574
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4

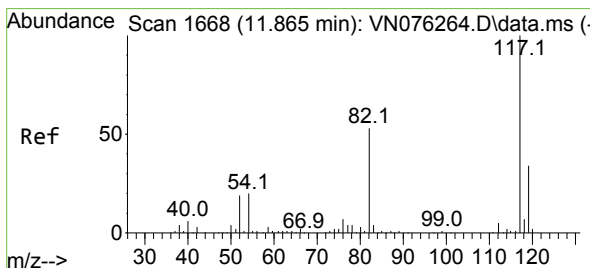
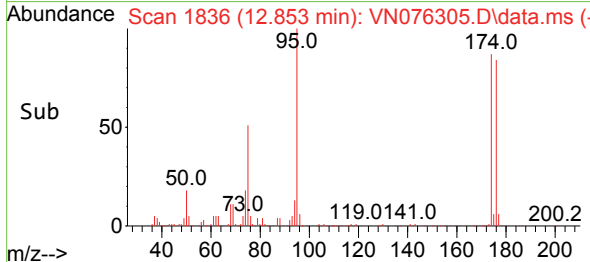
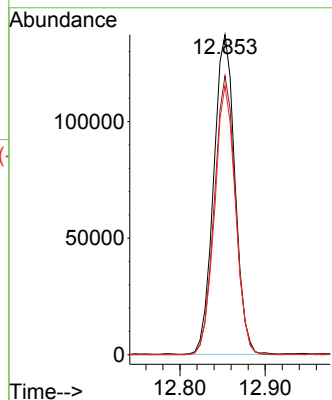
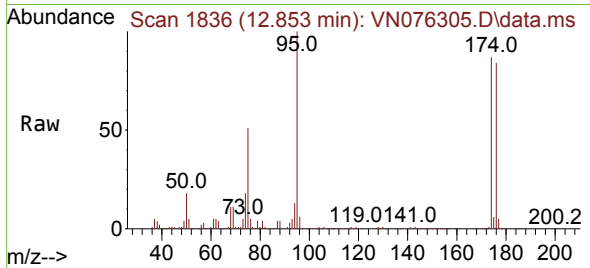




#62
4-Bromofluorobenzene
Concen: 47.728 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

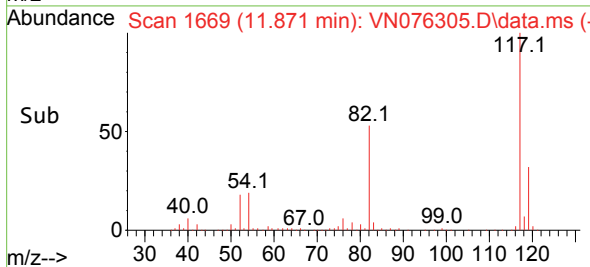
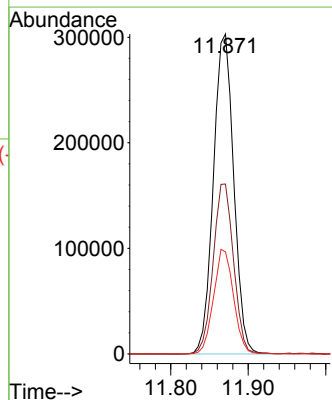
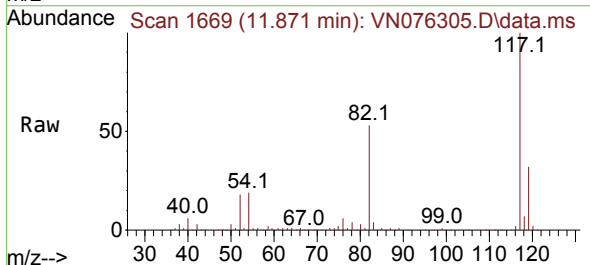
Instrument :
MSVOA_N
ClientSampleId :
PE-8

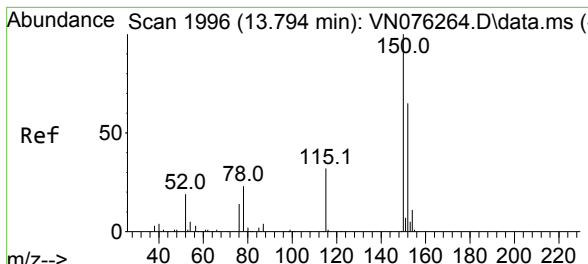
Tgt Ion: 95 Resp: 237457
Ion Ratio Lower Upper
95 100
174 86.5 0.0 174.6
176 82.6 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076305.D
Acq: 18 Jan 2023 19:31

Tgt Ion: 117 Resp: 554435
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 31.9 26.9 40.3

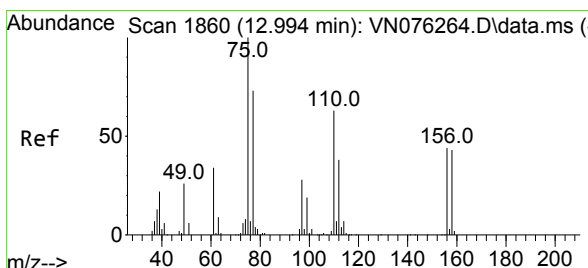
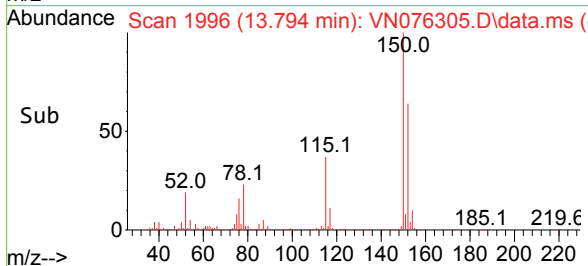
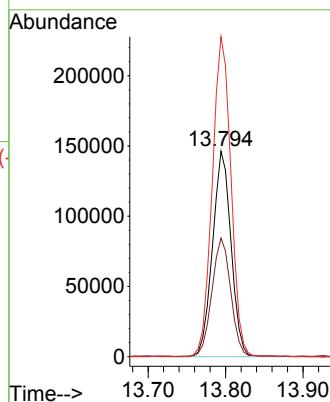
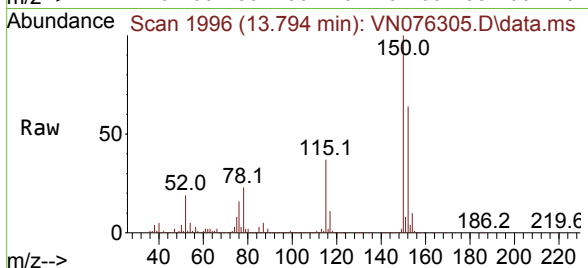




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076305.D
 Acq: 18 Jan 2023 19:31

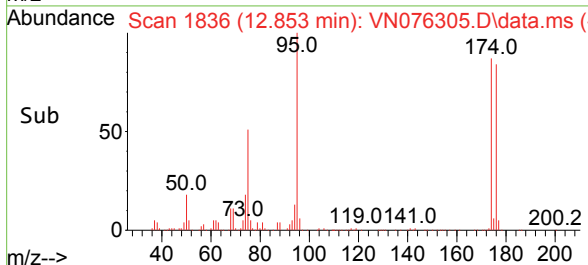
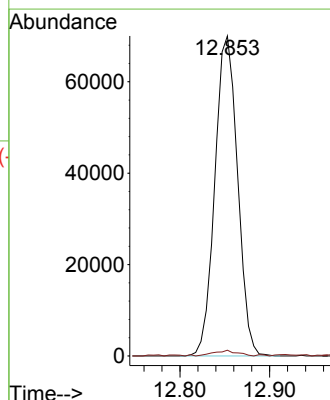
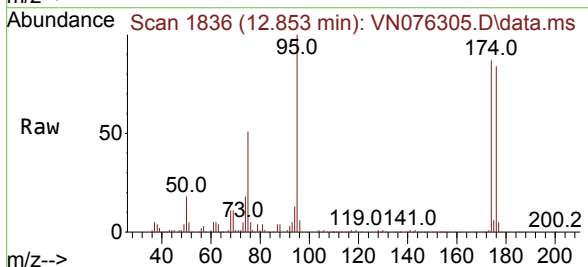
Instrument :
 MSVOA_N
 ClientSampleId :
 PE-8

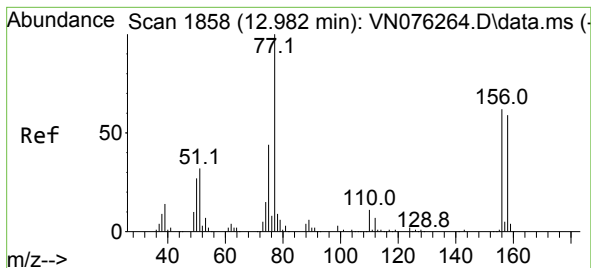
Tgt Ion:152 Resp: 242527
 Ion Ratio Lower Upper
 152 100
 115 58.3 29.6 88.9
 150 157.5 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 27.402 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076305.D
 Acq: 18 Jan 2023 19:31

Tgt Ion: 75 Resp: 122962
 Ion Ratio Lower Upper
 75 100
 77 1.9 75.2 225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

PE-8

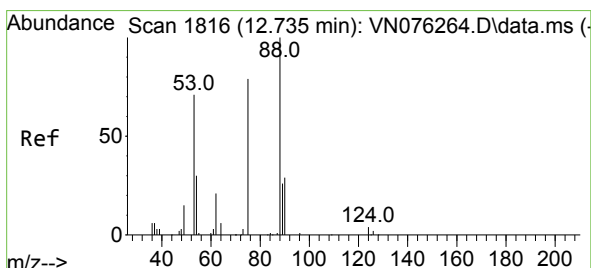
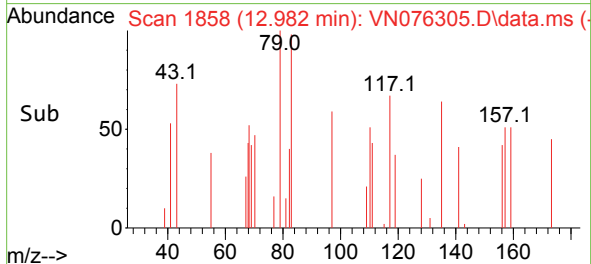
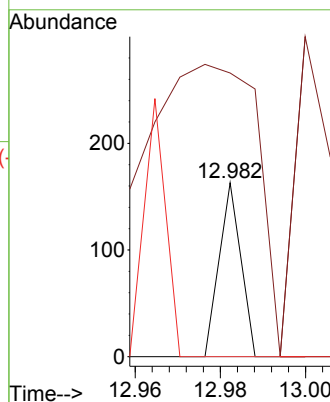
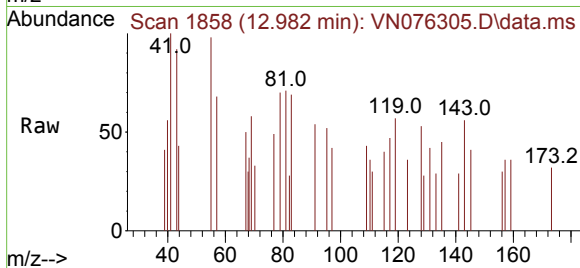
Tgt Ion:156 Resp: 58

Ion Ratio Lower Upper

156 100

77 974.1 93.4 280.2#

158 0.0 48.4 145.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.357 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

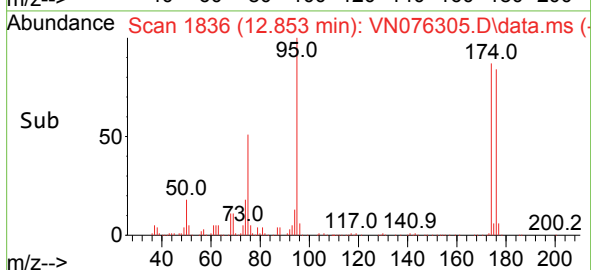
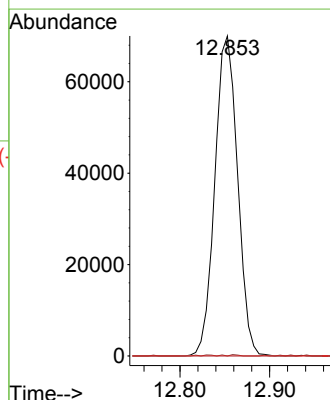
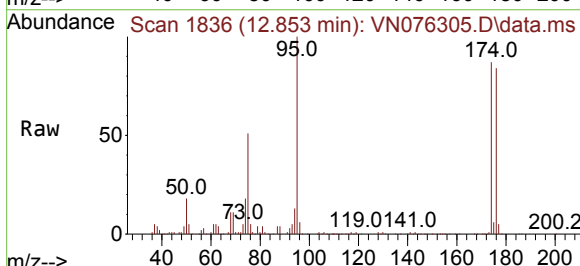
Tgt Ion: 75 Resp: 122962

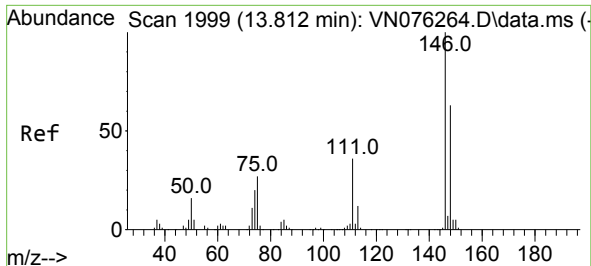
Ion Ratio Lower Upper

75 100

53 0.2 75.8 113.8#

89 0.0 37.0 55.6#

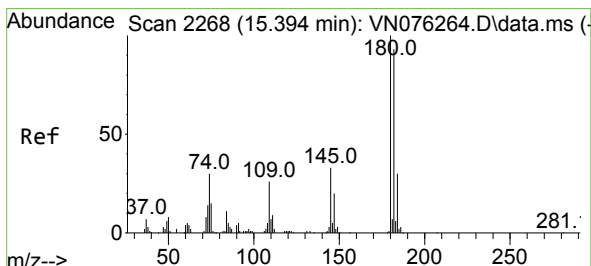
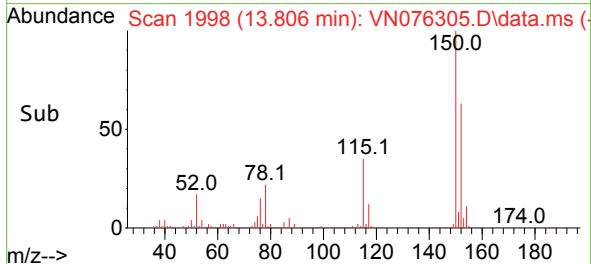
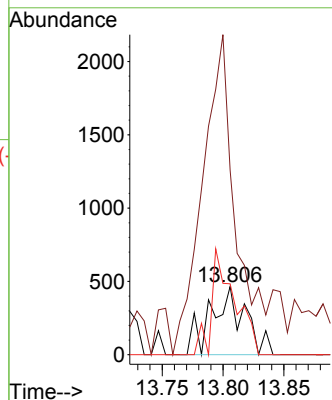
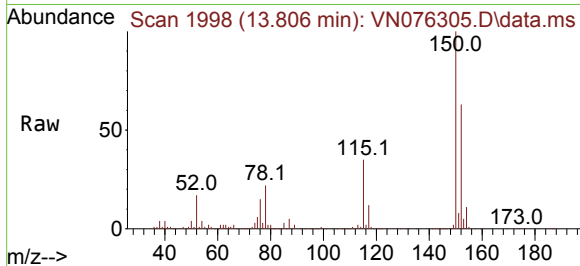




#88
 1,4-Dichlorobenzene
 Concen: 0.209 ug/l
 RT: 13.806 min Scan# 1999
 Delta R.T. -0.006 min
 Lab File: VN076305.D
 Acq: 18 Jan 2023 19:31

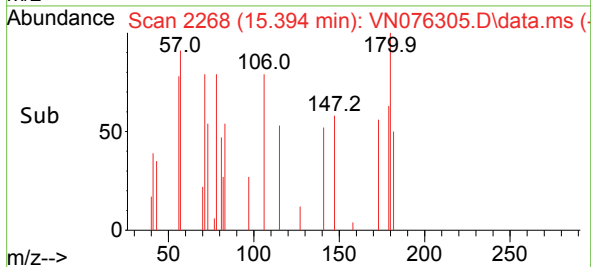
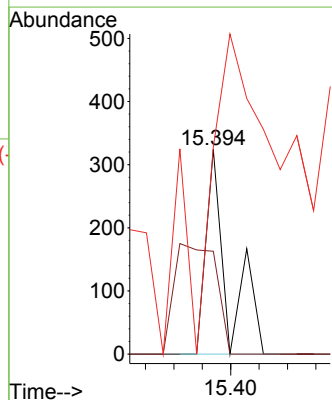
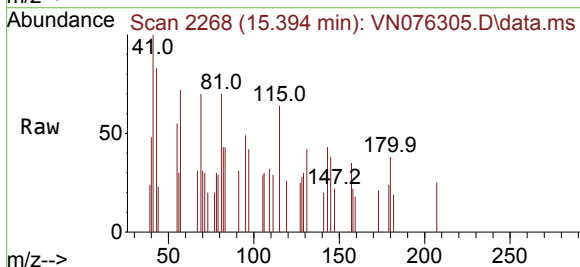
Instrument :
 MSVOA_N
 ClientSampleId :
 PE-8

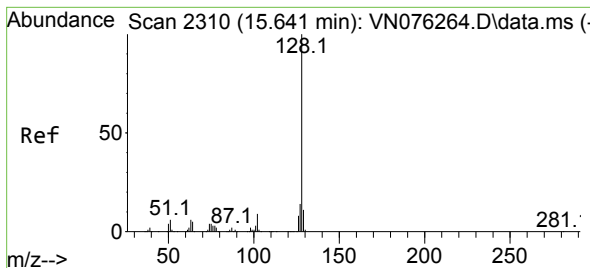
Tgt Ion:146 Resp: 911
 Ion Ratio Lower Upper
 146 100
 111 451.0 19.1 57.5#
 148 105.7 31.9 95.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.345 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076305.D
 Acq: 18 Jan 2023 19:31

Tgt Ion:180 Resp: 173
 Ion Ratio Lower Upper
 180 100
 182 102.3 47.0 141.2
 145 568.2 15.2 45.5#





#95

Naphthalene

Concen: 2.056 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

PE-8

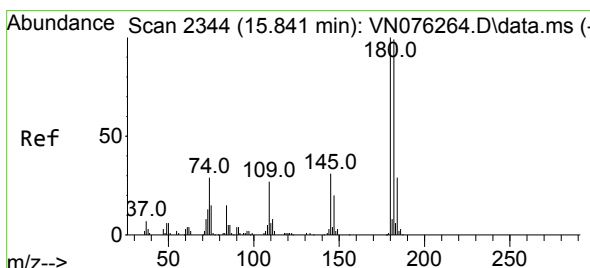
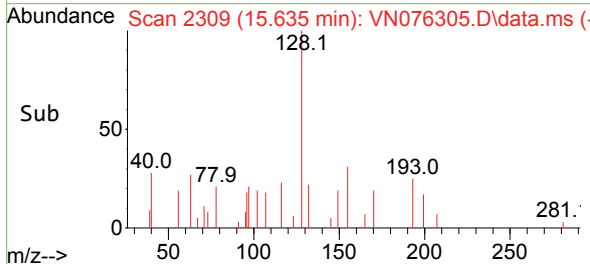
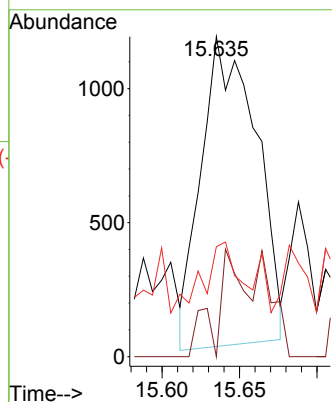
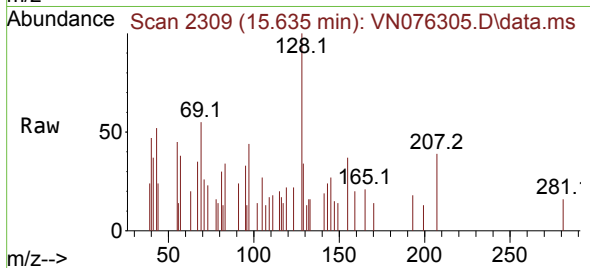
Tgt Ion:128 Resp: 2839

Ion Ratio Lower Upper

128 100

127 18.8 10.3 15.5#

129 11.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.189 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076305.D

Acq: 18 Jan 2023 19:31

Tgt Ion:180 Resp: 145

Ion Ratio Lower Upper

180 100

182 53.1 47.5 142.5

145 0.0 15.9 47.6#

