

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076299.D
 Acq On : 18 Jan 2023 17:06
 Operator : JC\MD
 Sample : 01190-04
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-3

Quant Time: Jan 19 00:52:12 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	455502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	710846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	586981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	248801	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	234762	46.030	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.060%
35) Dibromofluoromethane	8.171	113	204748	46.046	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.100%
50) Toluene-d8	10.571	98	800537	48.748	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.853	95	242127	45.164	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.320%

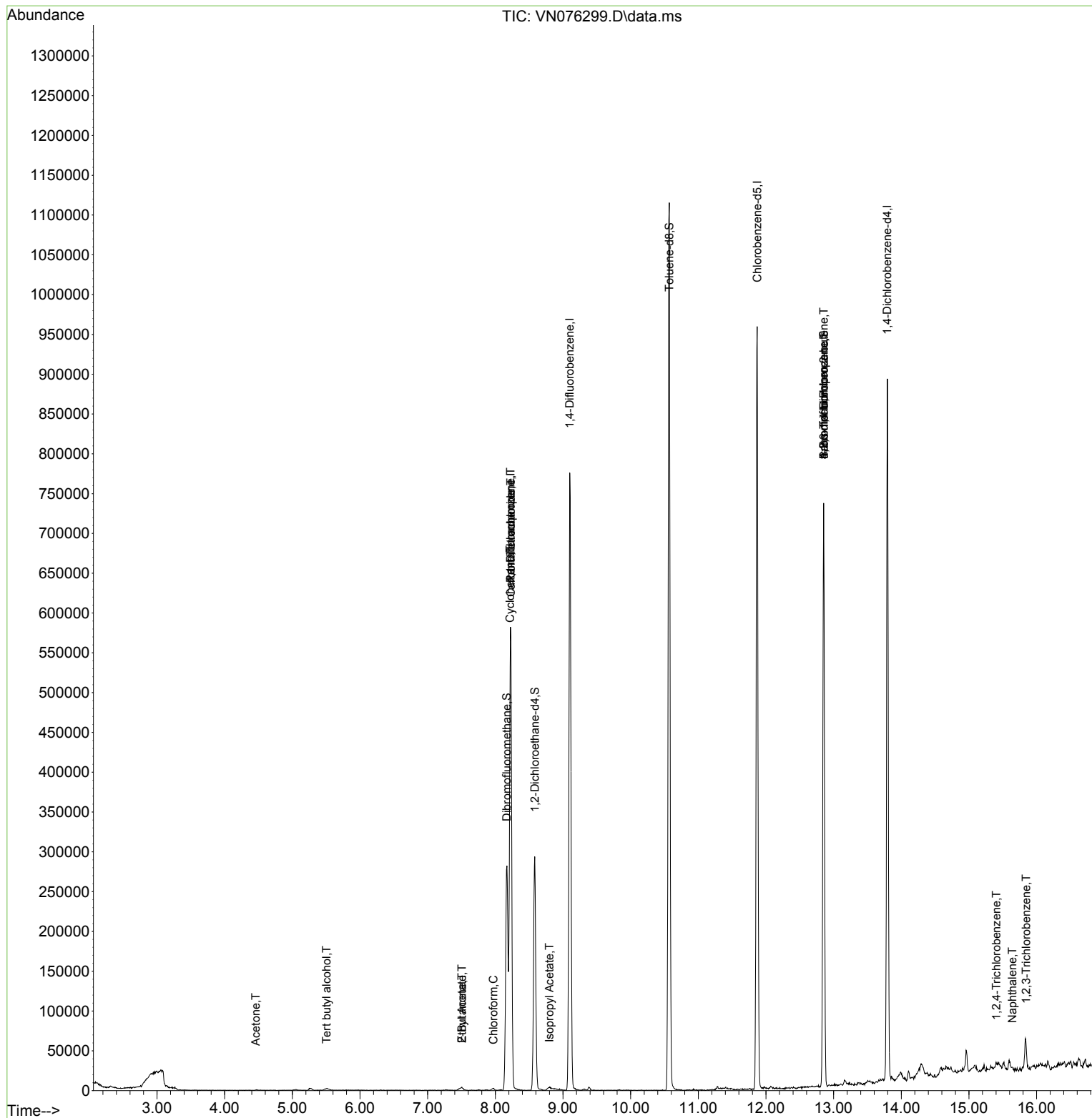
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	2413	3.537	ug/l #	72
16) Acetone	4.459	43	657	0.328	ug/l #	41
20) Methylene Chloride	5.265	84	2312	Below Cal	#	84
25) 2-Butanone	7.506	43	4859	1.946	ug/l	90
30) Chloroform	7.971	83	2658	0.301	ug/l	90
31) Cyclohexane	8.218	56	8683	1.108	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	32279	5.109	ug/l #	48
37) Ethyl Acetate	7.506	43	4859	0.995	ug/l #	67
38) Carbon Tetrachloride	8.230	117	44655	6.337	ug/l #	17
43) Isopropyl Acetate	8.800	43	3232	0.392	ug/l #	51
71) Bromoform	12.853	173	1525	0.457	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	126878	27.568	ug/l #	1
77) Bromobenzene	12.982	156	128	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126878	84.848	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.406	180	606	1.440	ug/l #	1
95) Naphthalene	15.641	128	4324	2.161	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.847	180	588	1.292	ug/l #	33

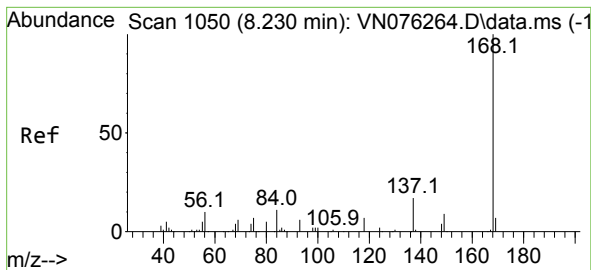
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

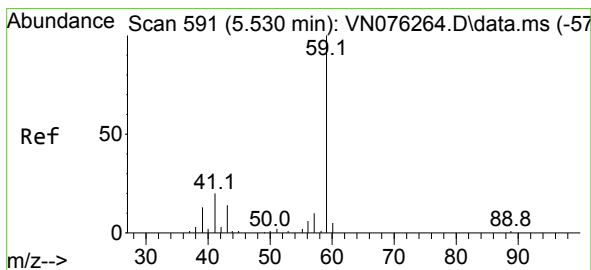
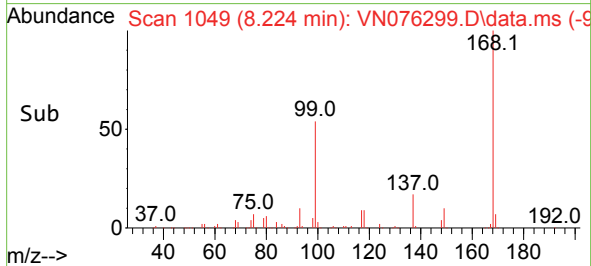
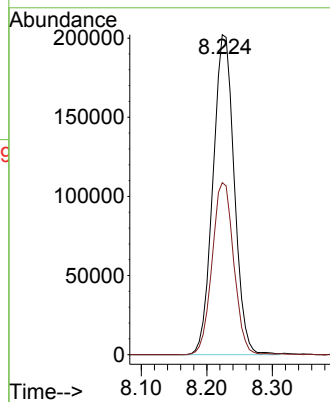
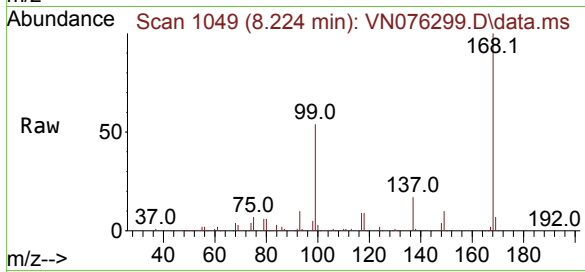
PE-3

Tgt Ion:168 Resp: 455502

Ion Ratio Lower Upper

168 100

99 53.8 41.6 62.4



#11

Tert butyl alcohol

Concen: 3.537 ug/l

RT: 5.506 min Scan# 587

Delta R.T. -0.024 min

Lab File: VN076299.D

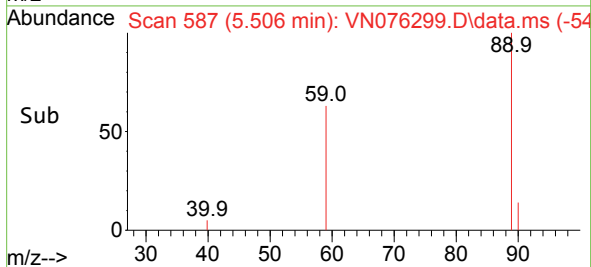
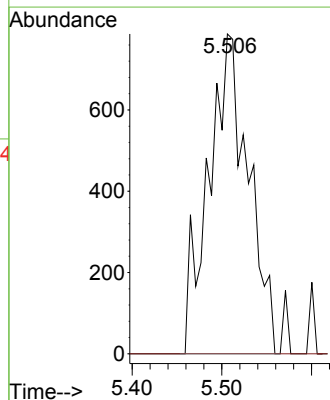
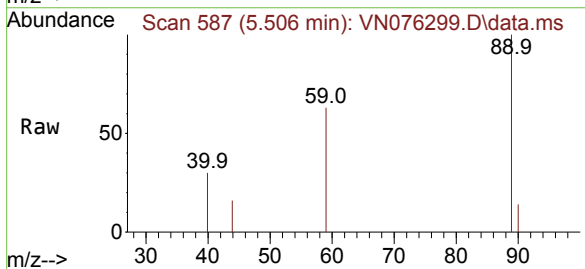
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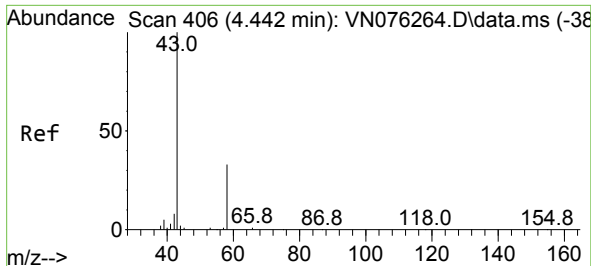
Tgt Ion: 59 Resp: 2413

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

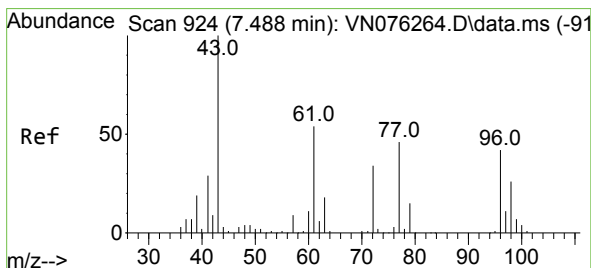
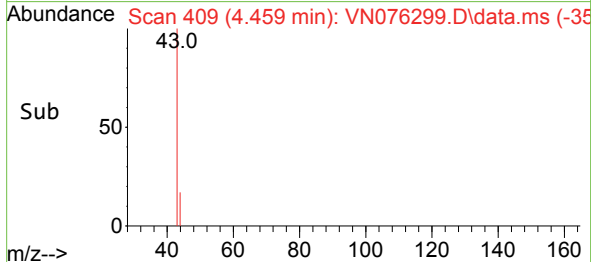
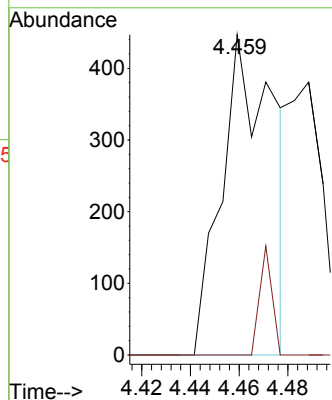
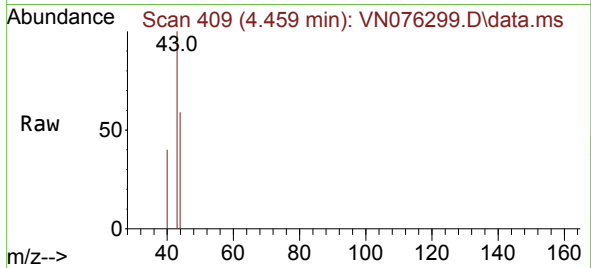




#16
Acetone
Concen: 0.328 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

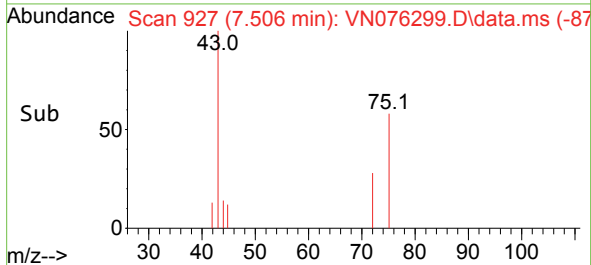
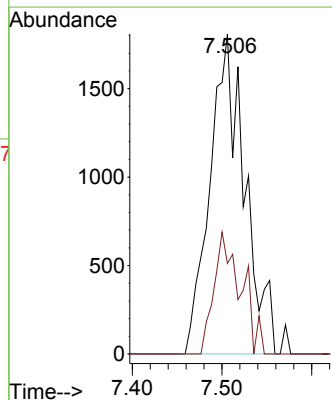
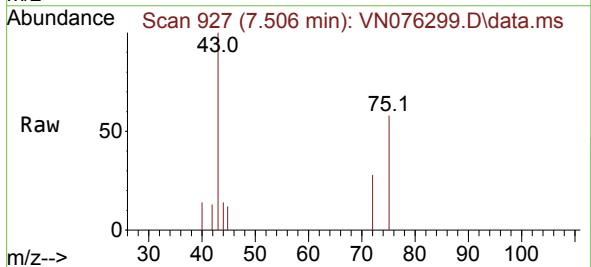
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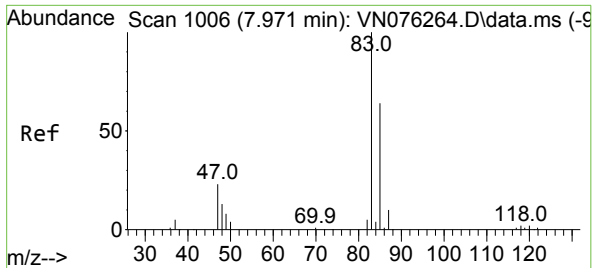
Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#25
2-Butanone
Concen: 1.946 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

Tgt Ion: 43 Resp: 4859
Ion Ratio Lower Upper
43 100
72 28.3 27.4 41.2

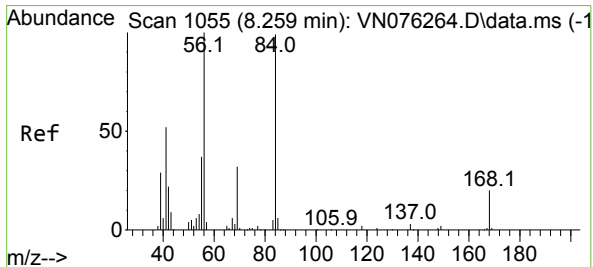
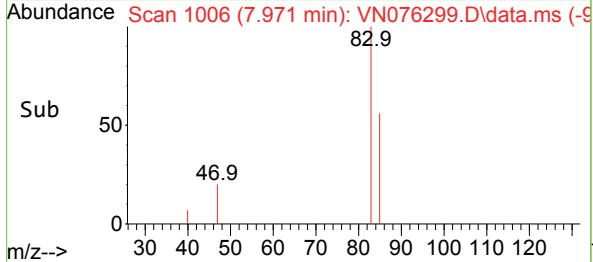
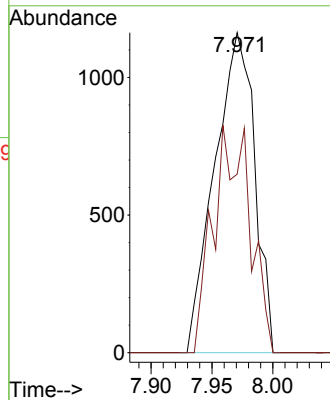
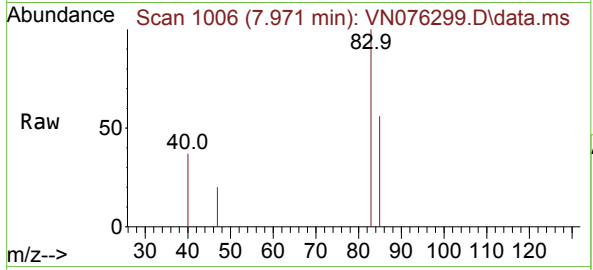




#30
Chloroform
Concen: 0.301 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

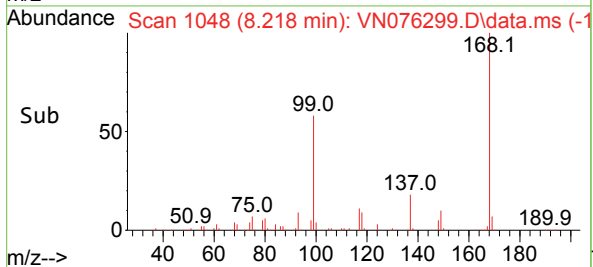
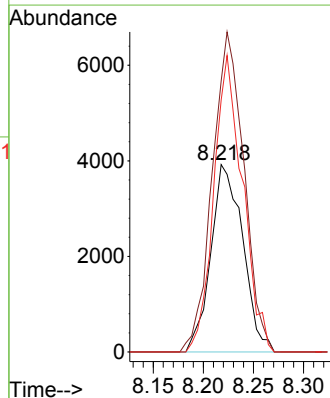
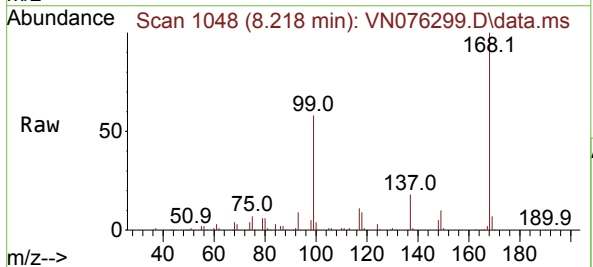
Instrument :
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ClientSampleId :
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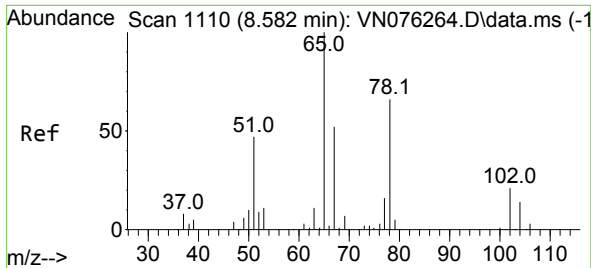
Tgt Ion: 83 Resp: 2658
Ion Ratio Lower Upper
83 100
85 55.8 51.0 76.6



#31
Cyclohexane
Concen: 1.108 ug/l
RT: 8.218 min Scan# 1048
Delta R.T. -0.041 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

Tgt Ion: 56 Resp: 8683
Ion Ratio Lower Upper
56 100
69 144.6 25.8 38.8#
84 134.5 79.0 118.4#

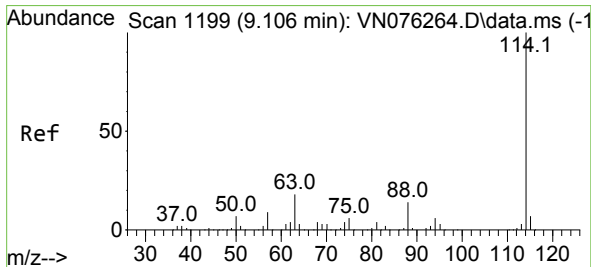
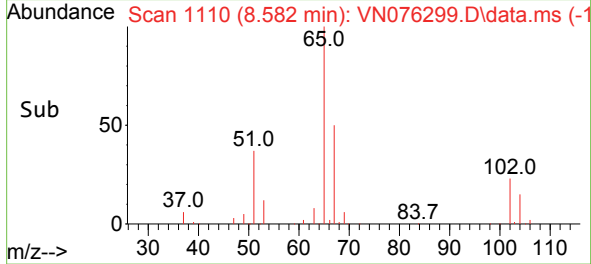
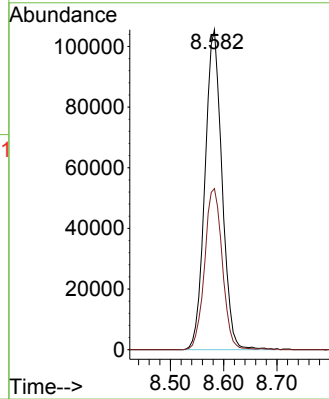
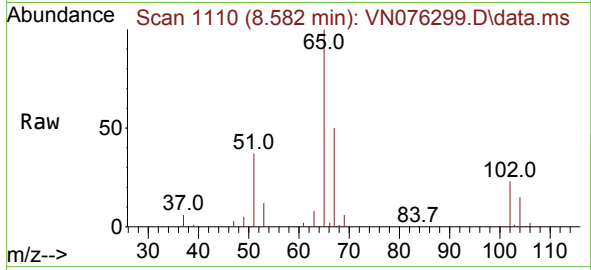




#33
 1,2-Dichloroethane-d4
 Concen: 46.030 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: VN076299.D
 Acq: 18 Jan 2023 17:06

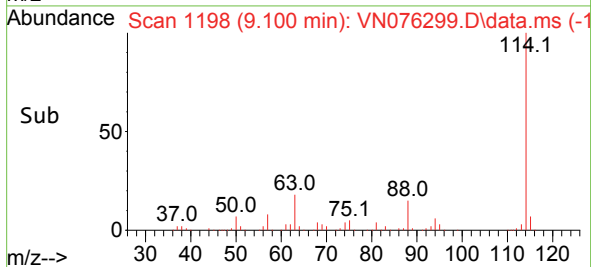
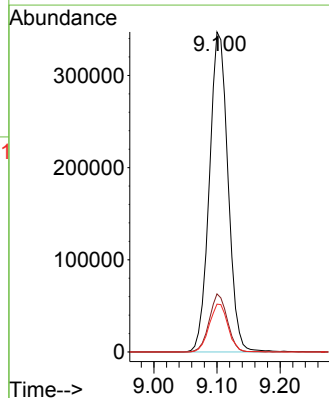
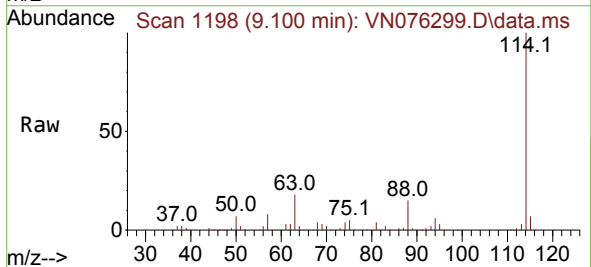
Instrument :
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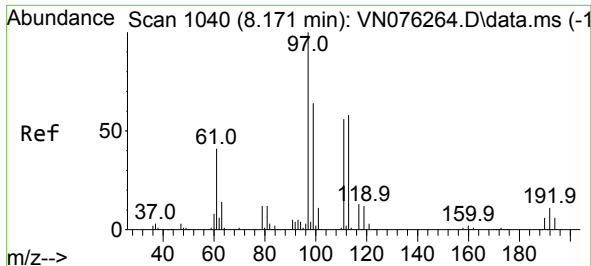
Tgt Ion: 65 Resp: 234762
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1198
 Delta R.T. -0.006 min
 Lab File: VN076299.D
 Acq: 18 Jan 2023 17:06

Tgt Ion: 114 Resp: 710846
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.8
 88 14.9 0.0 28.0

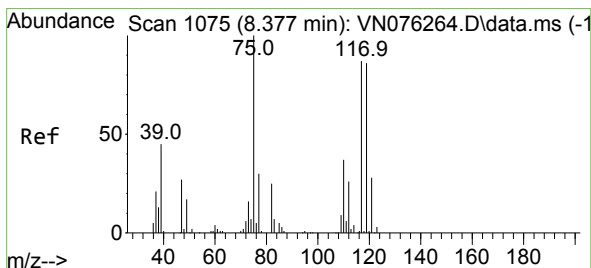
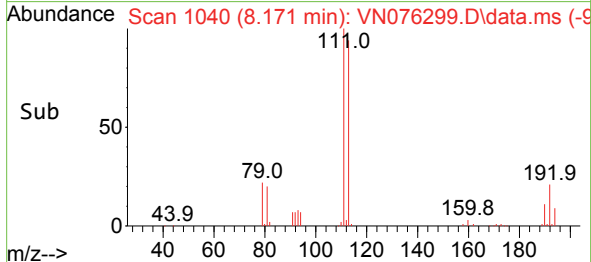
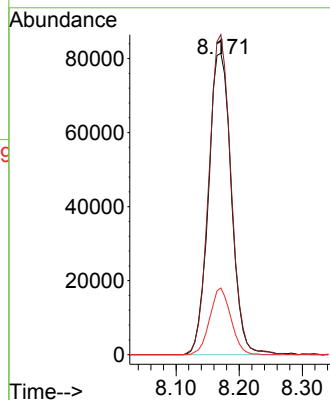
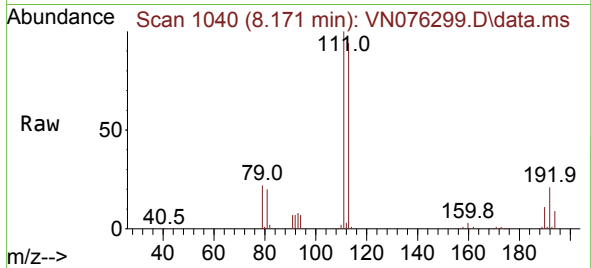




#35
Dibromofluoromethane
Concen: 46.046 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

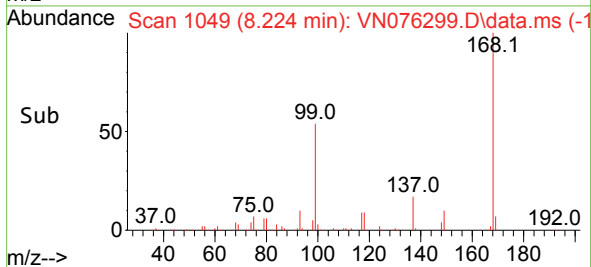
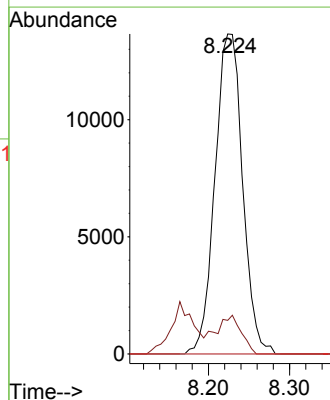
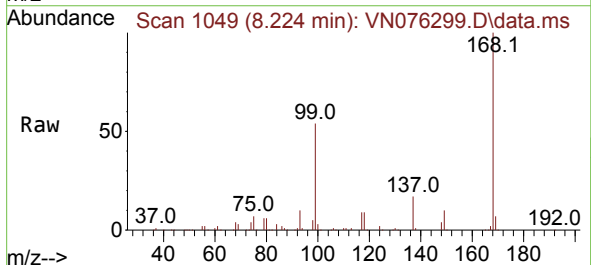
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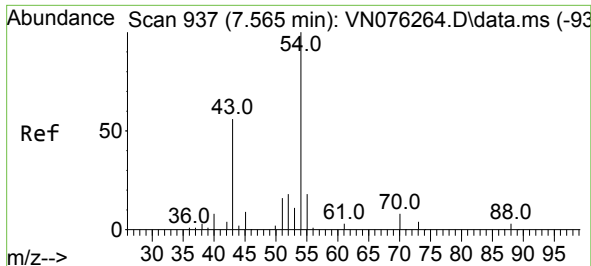
Tgt Ion:113 Resp: 204748
Ion Ratio Lower Upper
113 100
111 103.3 82.7 124.1
192 20.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.109 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

Tgt Ion: 75 Resp: 32279
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.3#
77 0.0 25.0 37.4#

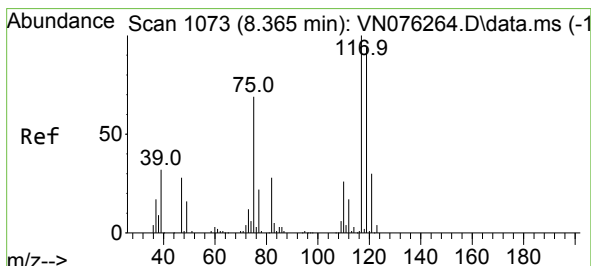
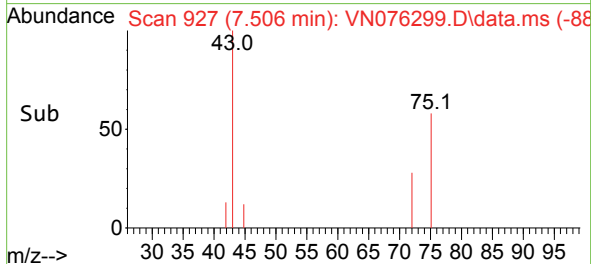
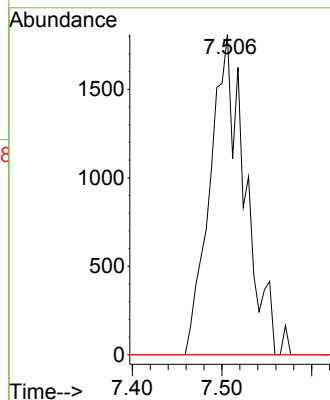
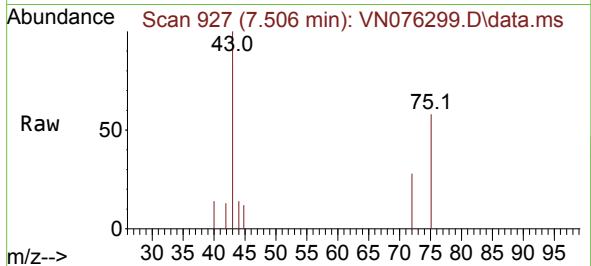




#37
Ethyl Acetate
Concen: 0.995 ug/l
RT: 7.506 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

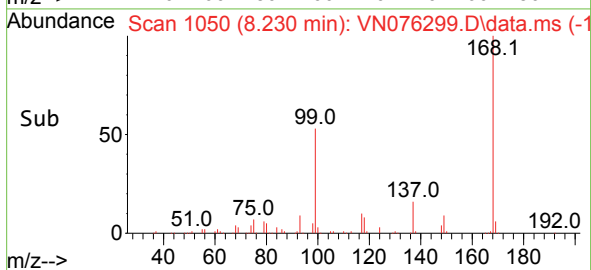
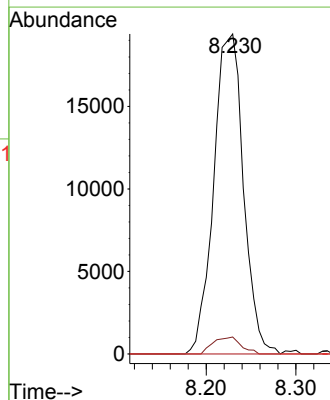
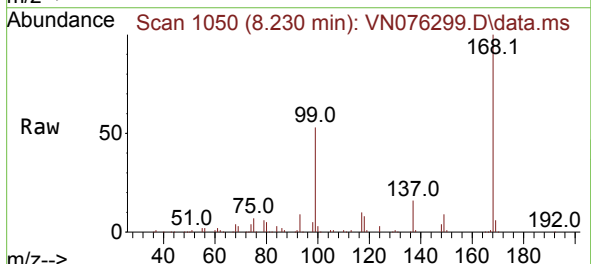
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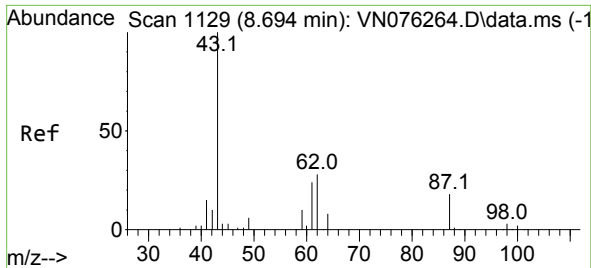
Tgt Ion: 43 Resp: 4859
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 6.337 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

Tgt Ion: 117 Resp: 44655
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.0#
121 0.0 24.2 36.2#

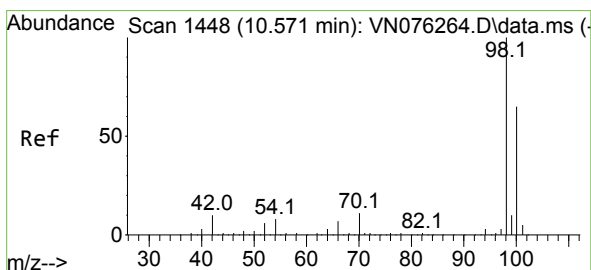
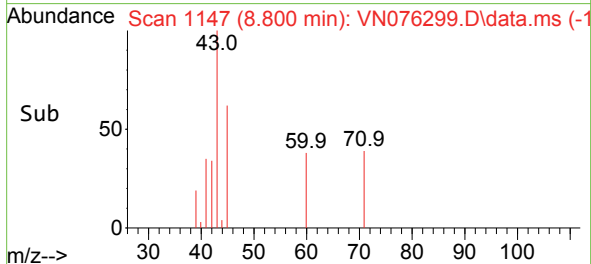
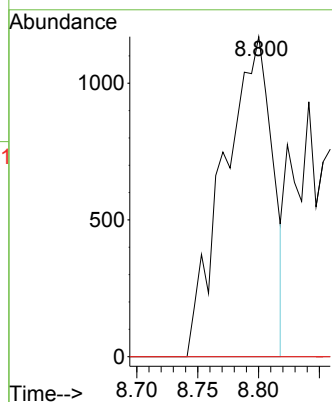
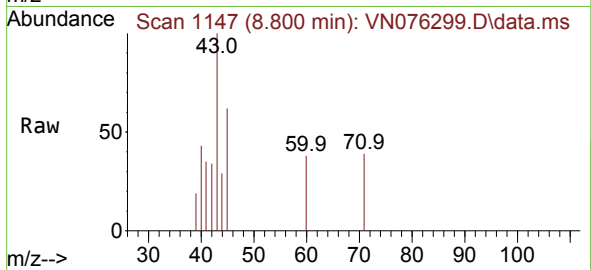




#43
Isopropyl Acetate
Concen: 0.392 ug/l
RT: 8.800 min Scan# 1129
Delta R.T. 0.106 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

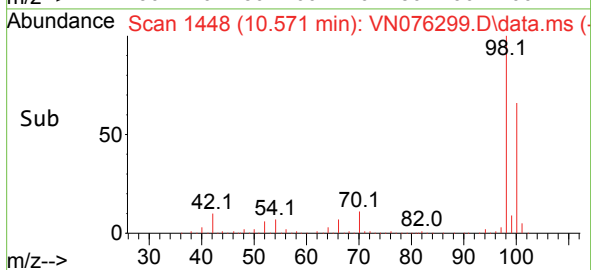
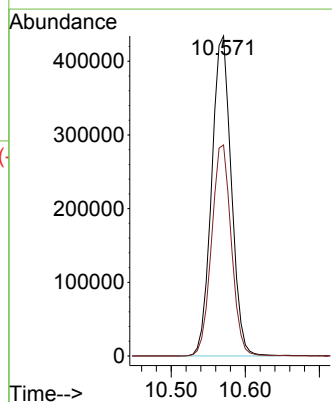
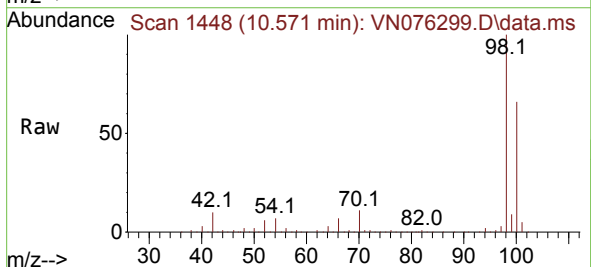
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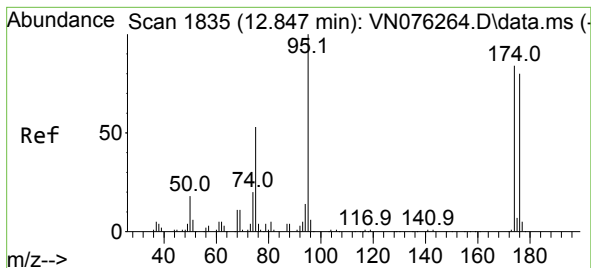
Tgt Ion: 43 Resp: 3232
Ion Ratio Lower Upper
43 100
61 0.0 23.5 35.3#
87 0.0 13.8 20.6#



#50
Toluene-d8
Concen: 48.748 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

Tgt Ion: 98 Resp: 800537
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.164 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

PE-3

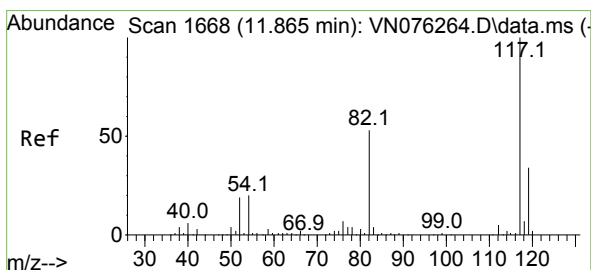
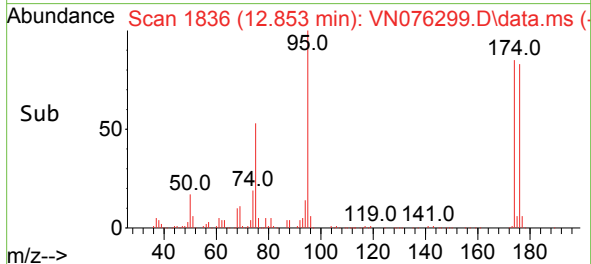
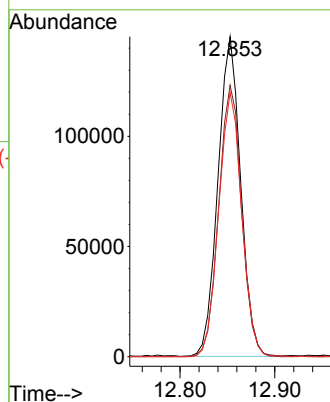
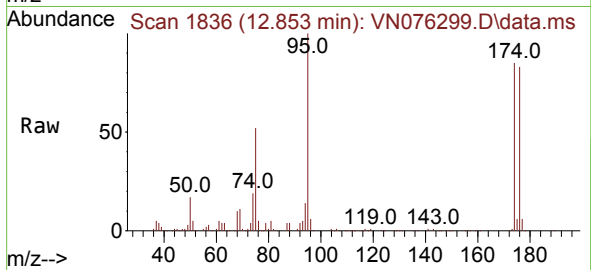
Tgt Ion: 95 Resp: 242127

Ion Ratio Lower Upper

95 100

174 85.3 0.0 174.6

176 83.3 0.0 167.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1669

Delta R.T. 0.005 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

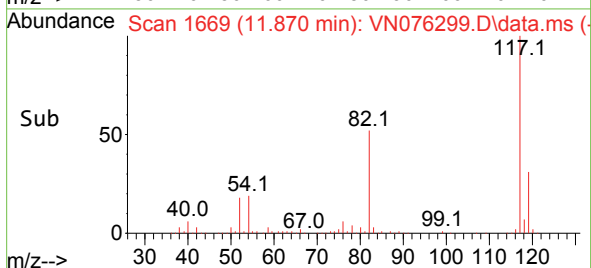
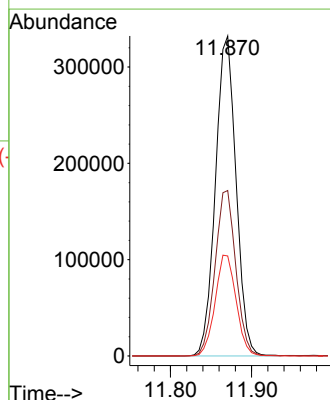
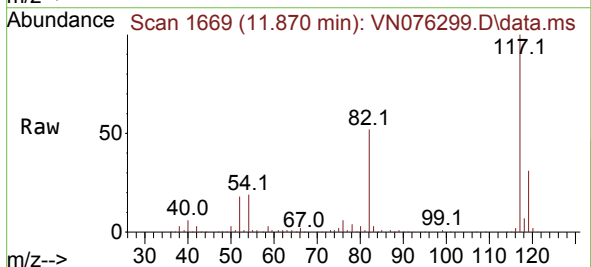
Tgt Ion: 117 Resp: 586981

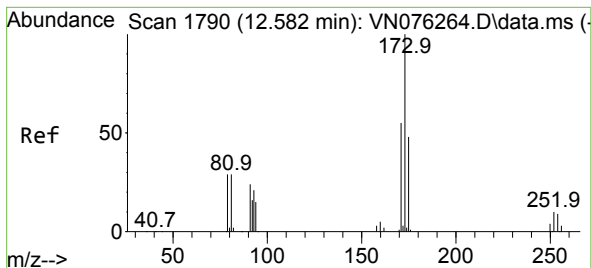
Ion Ratio Lower Upper

117 100

82 51.7 42.2 63.2

119 31.2 26.9 40.3





#71

Bromoform

Concen: 0.457 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

PE-3

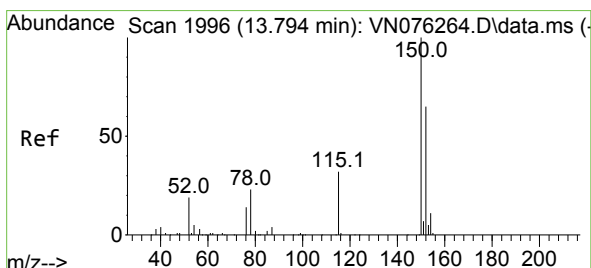
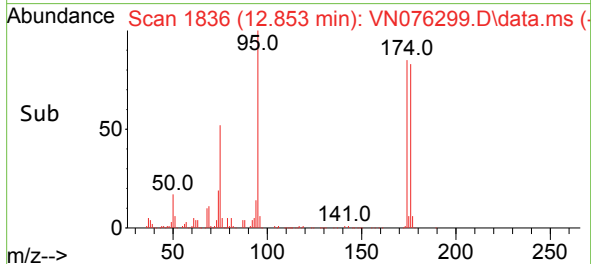
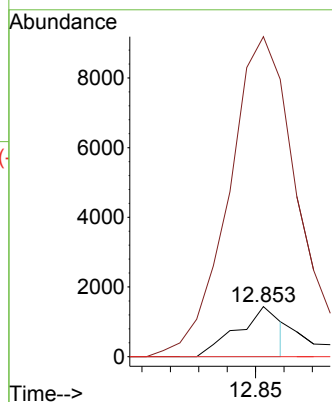
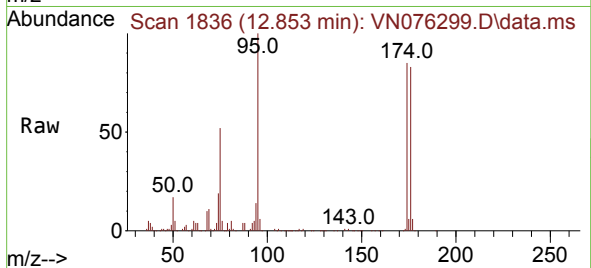
Tgt Ion:173 Resp: 1525

Ion Ratio Lower Upper

173 100

175 796.8 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: VN076299.D

Acq: 18 Jan 2023 17:06

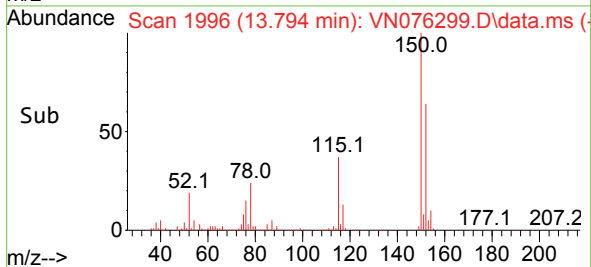
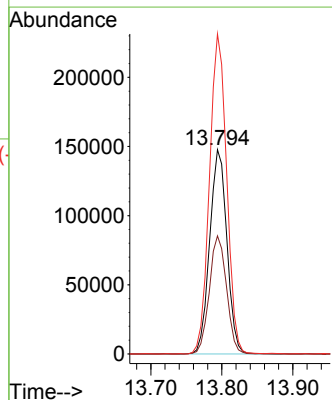
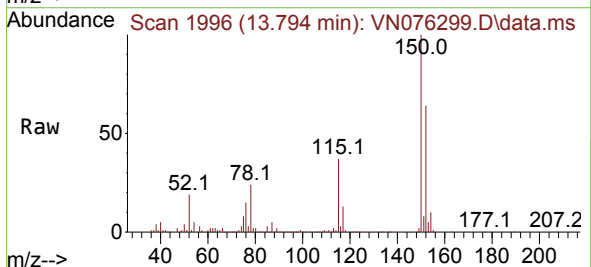
Tgt Ion:152 Resp: 248801

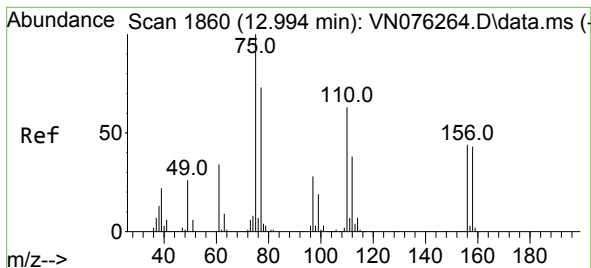
Ion Ratio Lower Upper

152 100

115 57.6 29.6 88.9

150 156.1 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 27.568 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

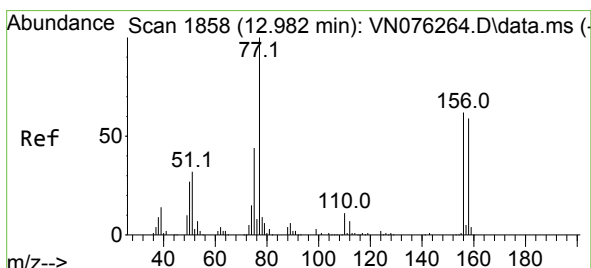
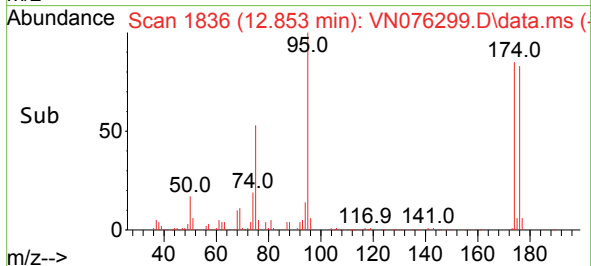
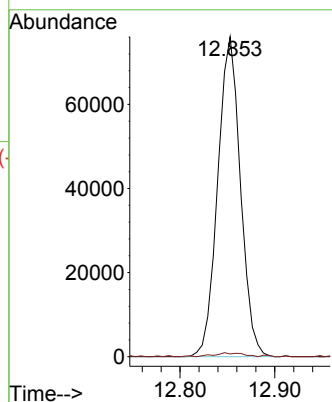
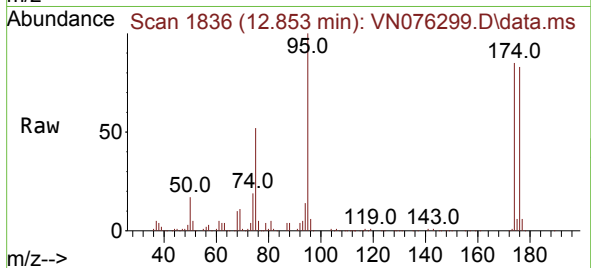
PE-3

Tgt Ion: 75 Resp: 126878

Ion Ratio Lower Upper

75 100

77 1.6 75.2 225.6#



#77

Bromobenzene

Concen: Below Cal

RT: 12.982 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

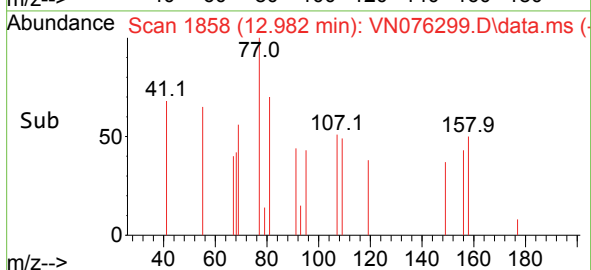
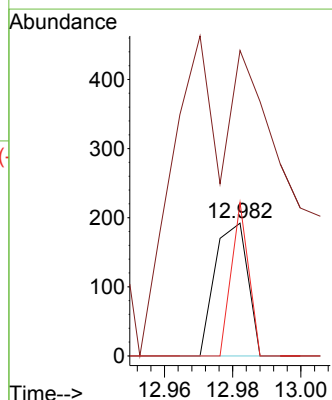
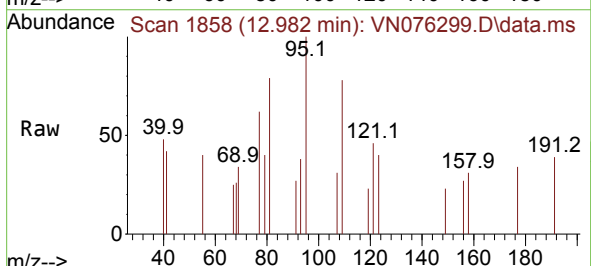
Tgt Ion:156 Resp: 128

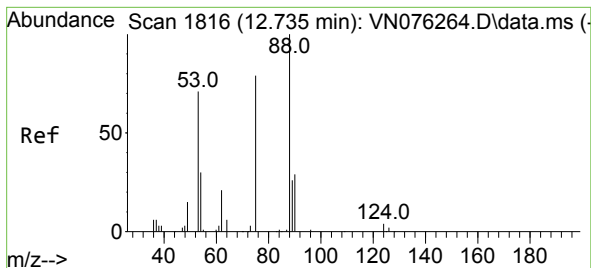
Ion Ratio Lower Upper

156 100

77 400.8 93.4 280.2#

158 60.9 48.4 145.2

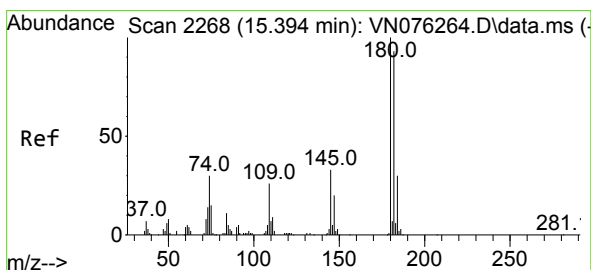
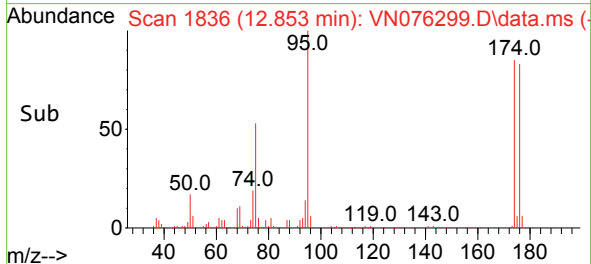
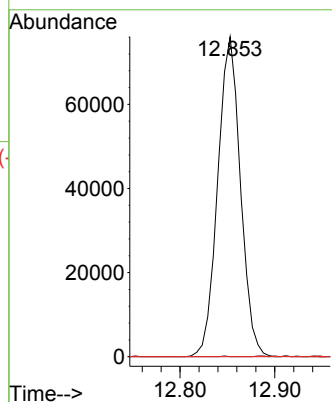
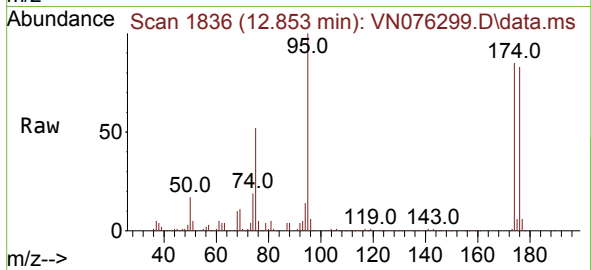




#81
trans-1,4-Dichloro-2-butene
Concen: 84.848 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

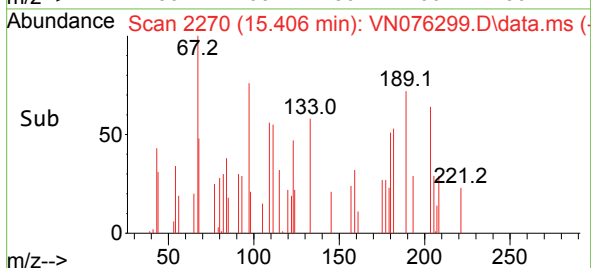
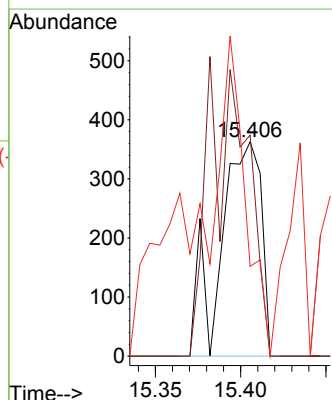
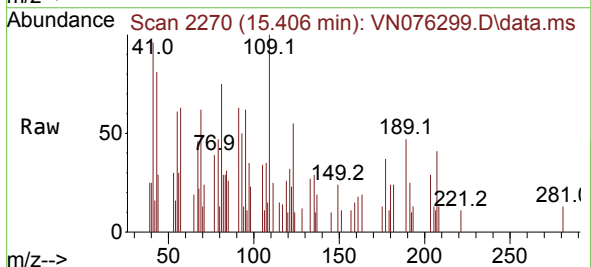
Instrument :
MSVOA_N
ClientSampleId :
PE-3

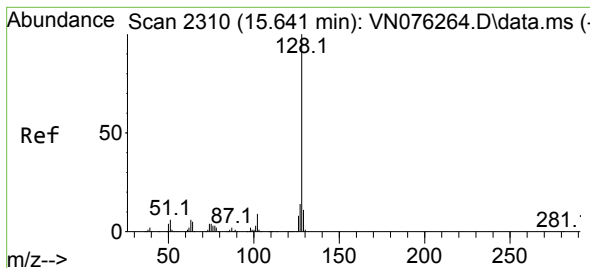
Tgt Ion: 75 Resp: 126878
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.440 ug/l
RT: 15.406 min Scan# 2270
Delta R.T. 0.012 min
Lab File: VN076299.D
Acq: 18 Jan 2023 17:06

Tgt Ion:180 Resp: 606
Ion Ratio Lower Upper
180 100
182 0.0 47.0 141.2#
145 90.9 15.2 45.5#





#95

Naphthalene

Concen: 2.161 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

PE-3

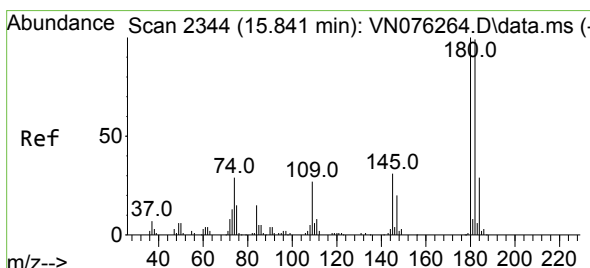
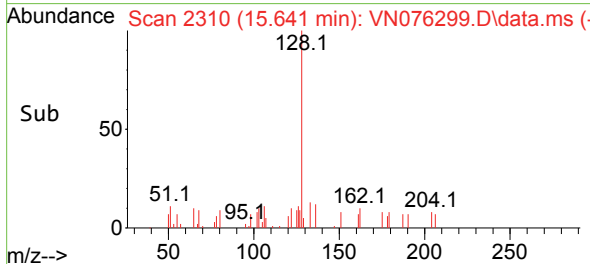
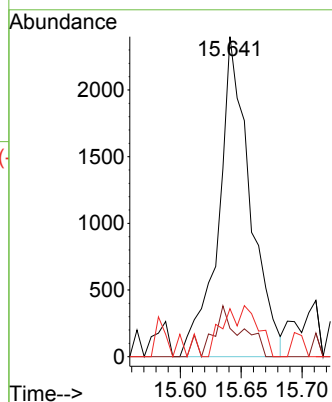
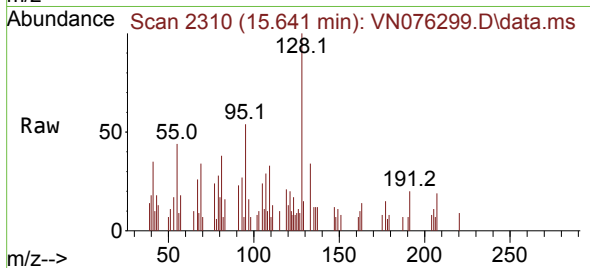
Tgt Ion:128 Resp: 4324

Ion Ratio Lower Upper

128 100

127 10.1 10.3 15.5#

129 17.4 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.292 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076299.D

Acq: 18 Jan 2023 17:06

Tgt Ion:180 Resp: 588

Ion Ratio Lower Upper

180 100

182 127.7 47.5 142.5

145 125.0 15.9 47.6#

