

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076297.D
 Acq On : 18 Jan 2023 16:18
 Operator : JC\MD
 Sample : 01190-01
 Misc : 5.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-1

Quant Time: Jan 19 00:51:22 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	384033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	599896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	510644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216394	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	197016	45.818	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.640%
35) Dibromofluoromethane	8.171	113	175634	46.803	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.600%
50) Toluene-d8	10.571	98	685726	49.480	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.960%
62) 4-Bromofluorobenzene	12.853	95	205502	45.422	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.840%

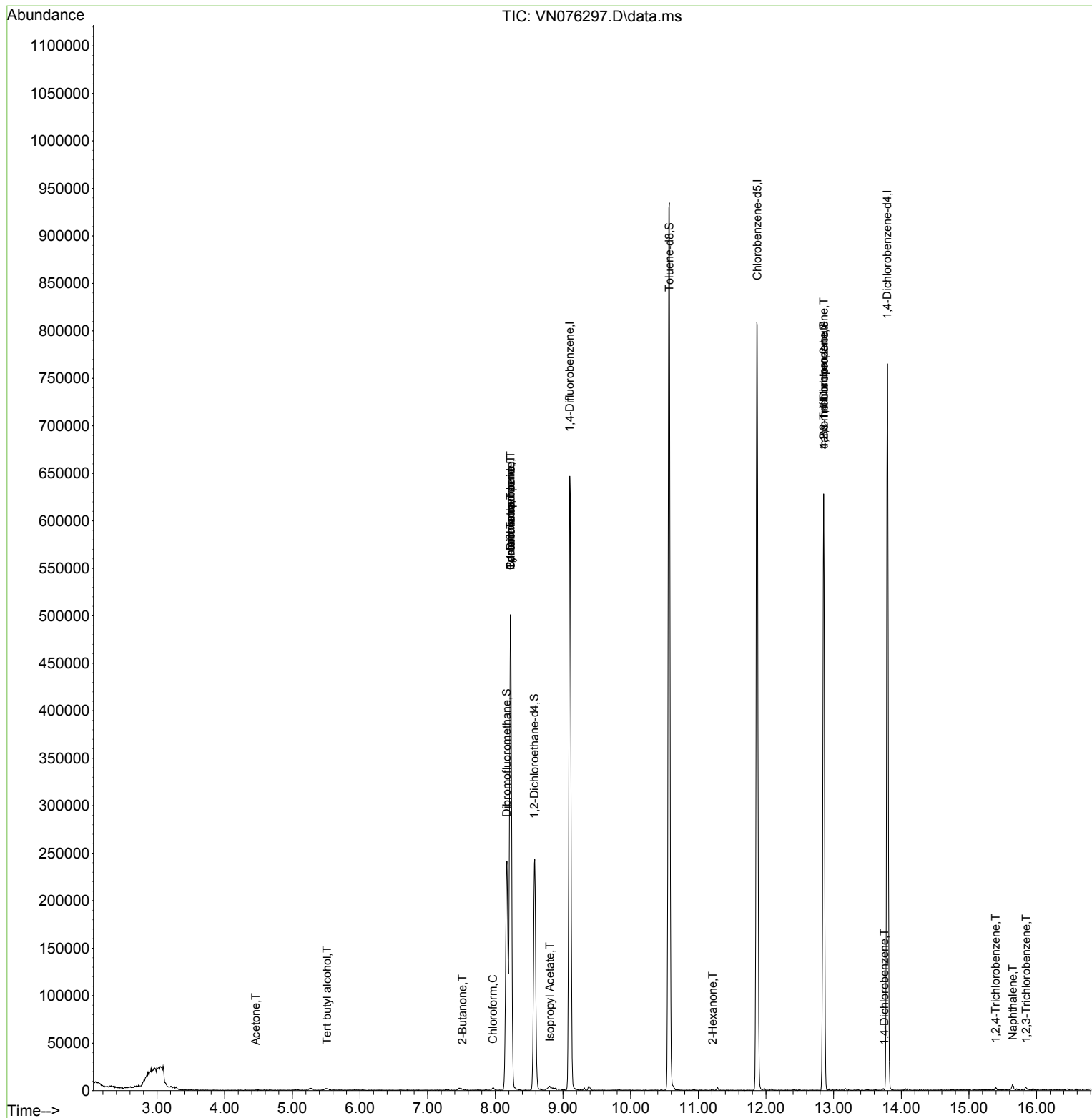
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	1958	3.404	ug/l	# 72
16) Acetone	4.459	43	394	0.212	ug/l	# 41
20) Methylene Chloride	5.265	84	2136	Below Cal		# 84
25) 2-Butanone	7.512	43	1094	0.520	ug/l	# 40
30) Chloroform	7.965	83	2921	0.392	ug/l	# 94
31) Cyclohexane	8.224	56	7678	1.162	ug/l	# 21
36) 1,1-Dichloropropene	8.224	75	27835	5.220	ug/l	# 50
38) Carbon Tetrachloride	8.224	117	37949	6.382	ug/l	# 17
43) Isopropyl Acetate	8.806	43	4032	0.579	ug/l	# 51
59) 2-Hexanone	11.212	43	868	0.293	ug/l	# 74
76) 1,2,3-Trichloropropane	12.853	75	106001	26.443	ug/l	# 1
77) Bromobenzene	12.988	156	122	Below Cal		# 5
81) trans-1,4-Dichloro-2-b...	12.853	75	106001	81.503	ug/l	# 11
88) 1,4-Dichlorobenzene	13.747	146	806	0.208	ug/l	# 92
93) 1,2,4-Trichlorobenzene	15.394	180	1217	1.617	ug/l	# 90
95) Naphthalene	15.647	128	6015	2.354	ug/l	# 96
96) 1,2,3-Trichlorobenzene	15.847	180	1125	1.458	ug/l	# 98

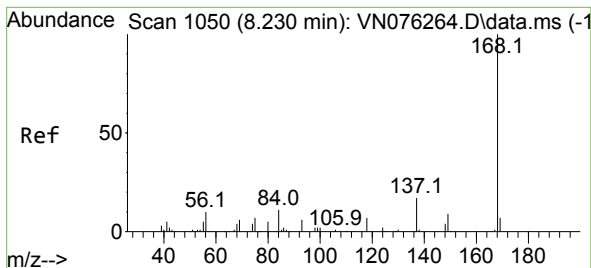
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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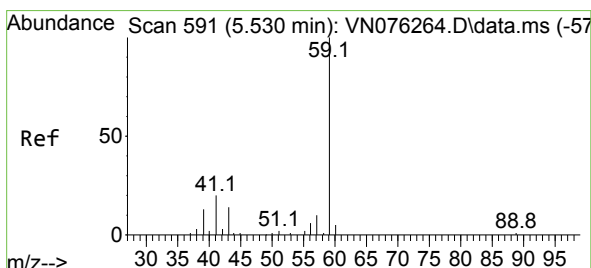
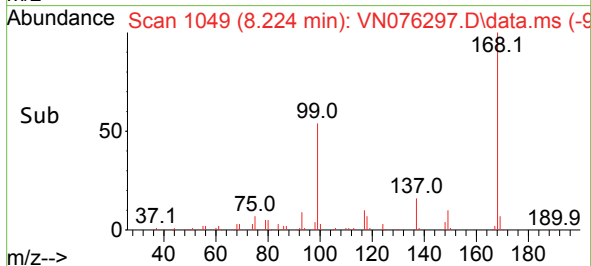
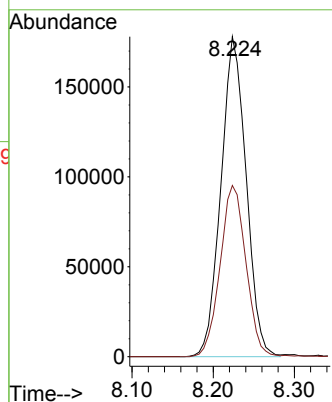
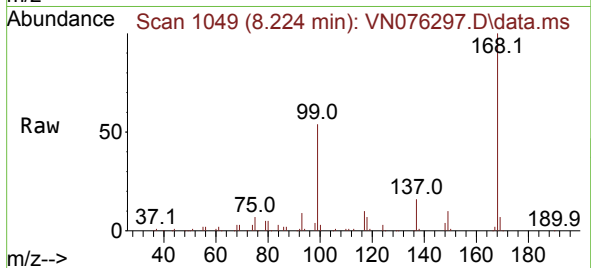




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

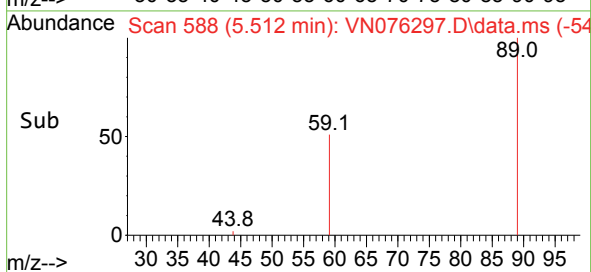
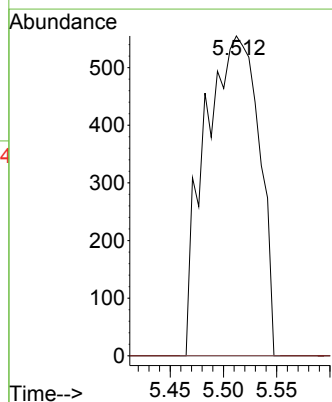
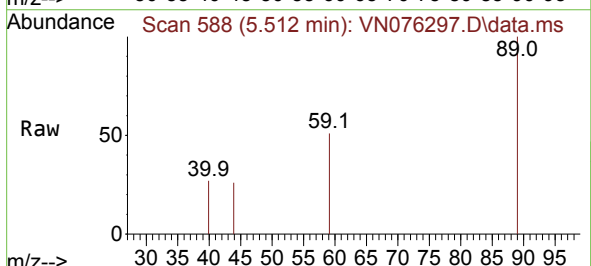
Instrument :
MSVOA_N
ClientSampleId :
PE-1

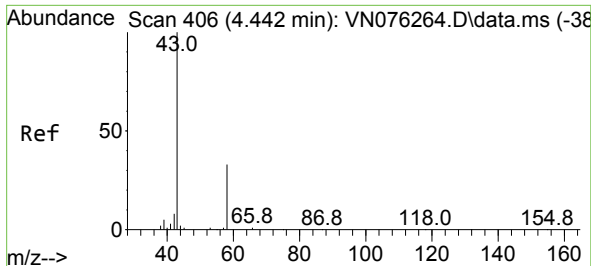
Tgt Ion:168 Resp: 384033
Ion Ratio Lower Upper
168 100
99 53.5 41.6 62.4



#11
Tert butyl alcohol
Concen: 3.404 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.018 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

Tgt Ion: 59 Resp: 1958
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

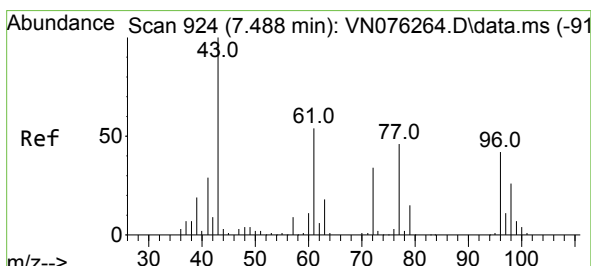
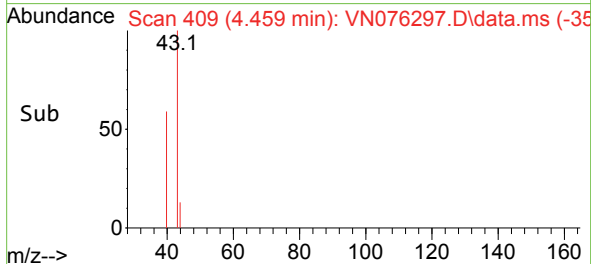
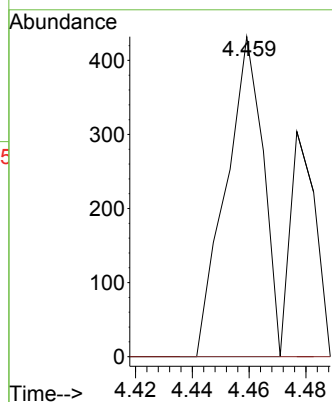
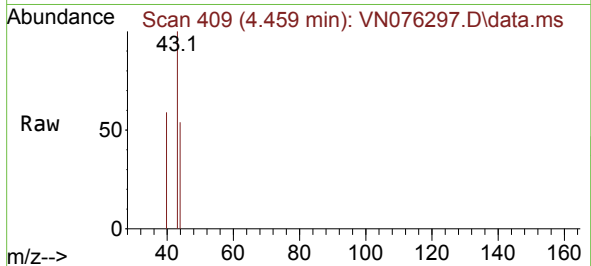




#16
Acetone
Concen: 0.212 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.017 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

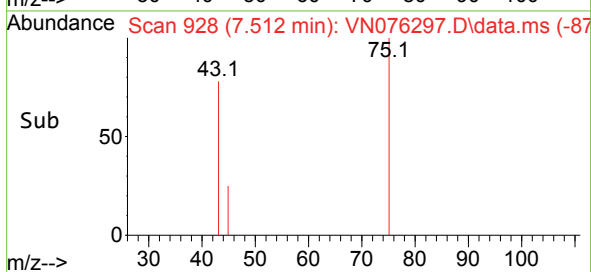
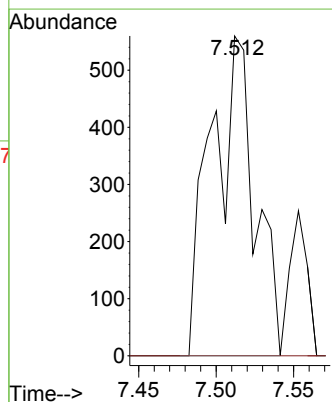
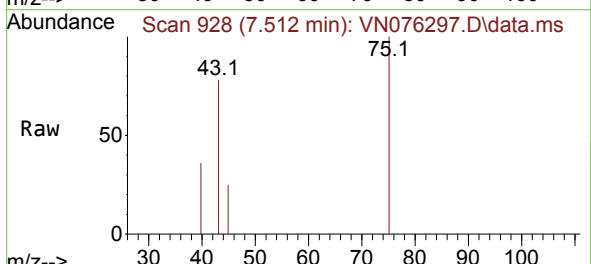
Instrument :
MSVOA_N
ClientSampleId :
PE-1

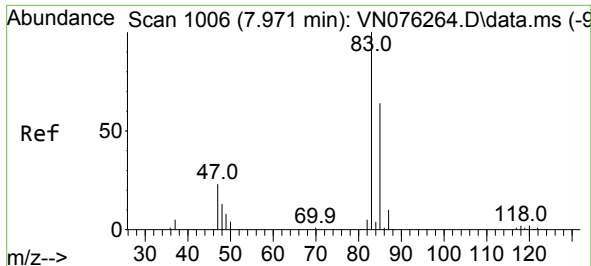
Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#25
2-Butanone
Concen: 0.520 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.024 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#

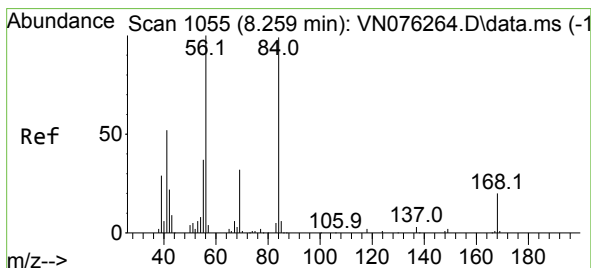
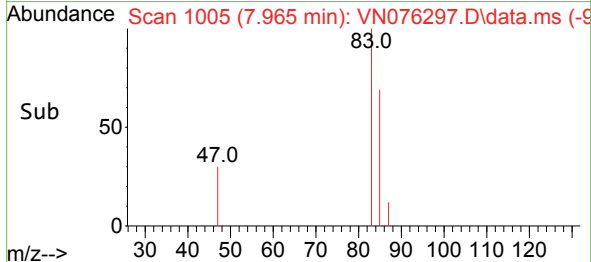
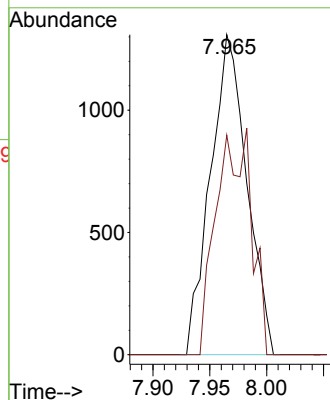
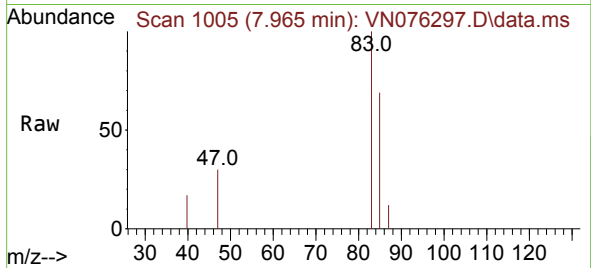




#30
Chloroform
Concen: 0.392 ug/l
RT: 7.965 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

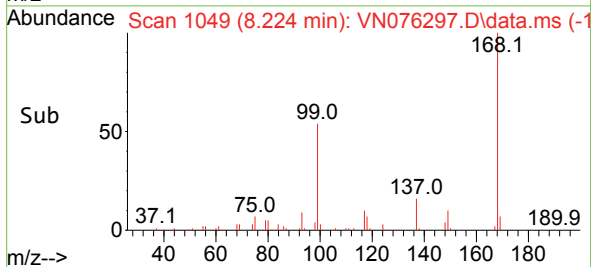
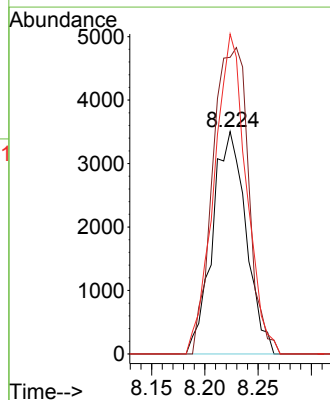
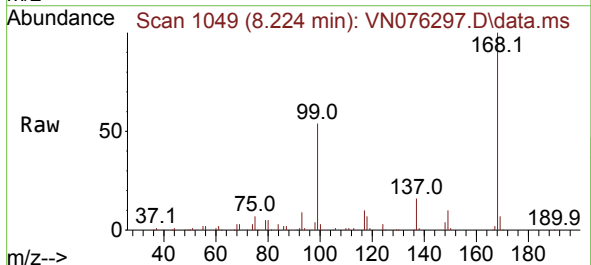
Instrument :
MSVOA_N
ClientSampleId :
PE-1

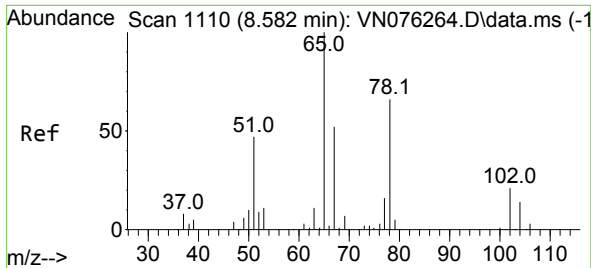
Tgt Ion: 83 Resp: 2921
Ion Ratio Lower Upper
83 100
85 68.6 51.0 76.6



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

Tgt Ion: 56 Resp: 7678
Ion Ratio Lower Upper
56 100
69 133.4 25.8 38.8#
84 143.9 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 45.818 ug/l

RT: 8.577 min Scan# 1109

Delta R.T. -0.005 min

Lab File: VN076297.D

Acq: 18 Jan 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

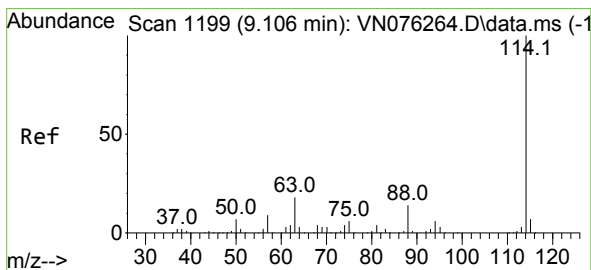
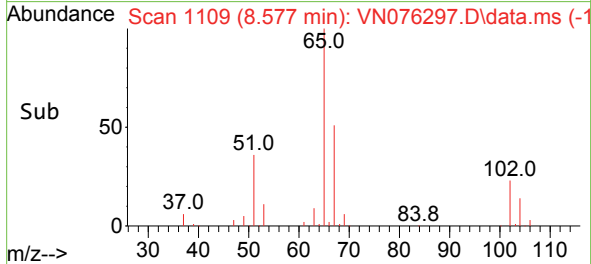
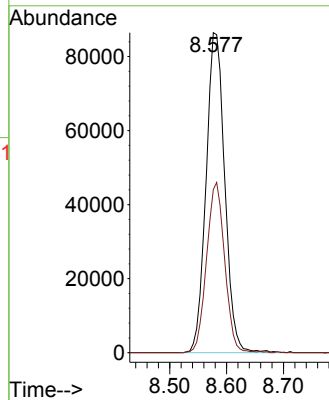
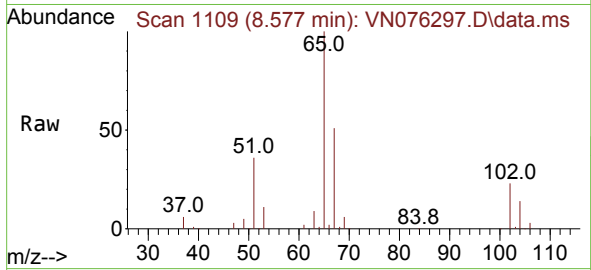
PE-1

Tgt Ion: 65 Resp: 197016

Ion Ratio Lower Upper

65 100

67 51.4 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: VN076297.D

Acq: 18 Jan 2023 16:18

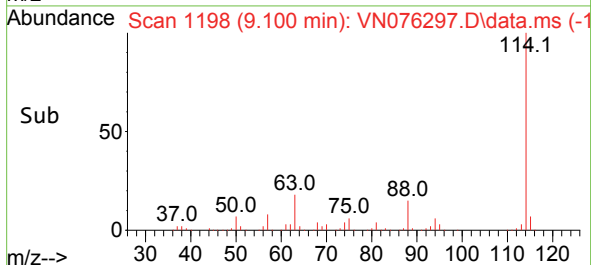
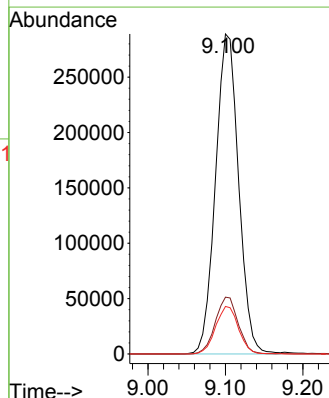
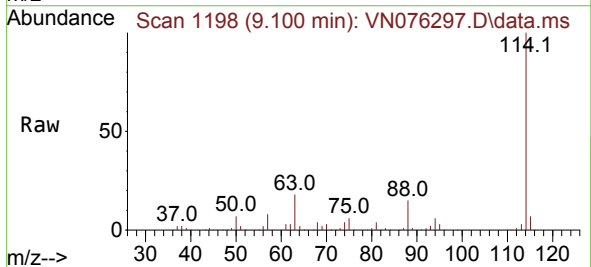
Tgt Ion: 114 Resp: 599896

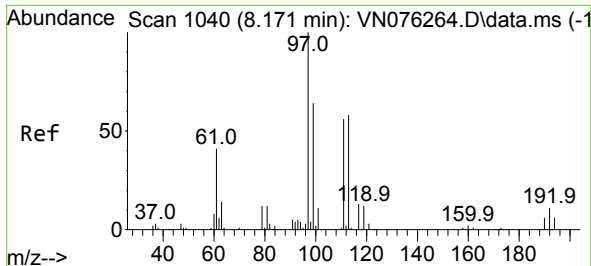
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.8

88 14.9 0.0 28.0

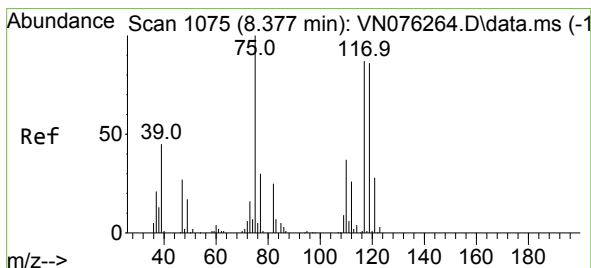
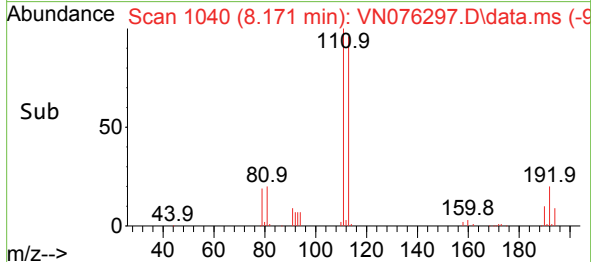
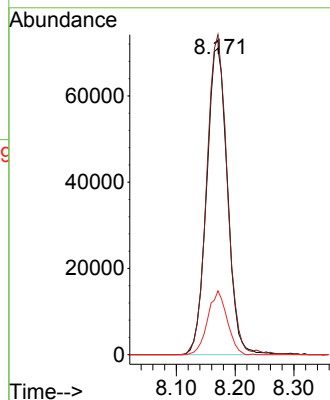
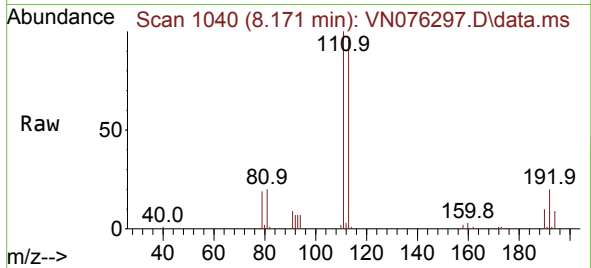




#35
Dibromofluoromethane
Concen: 46.803 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

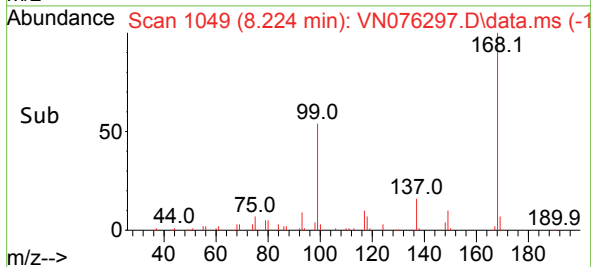
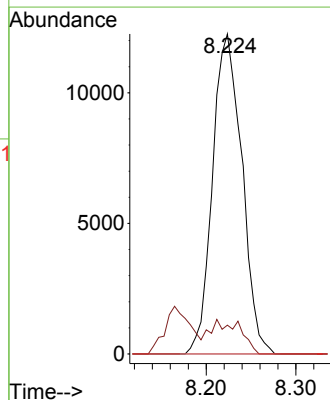
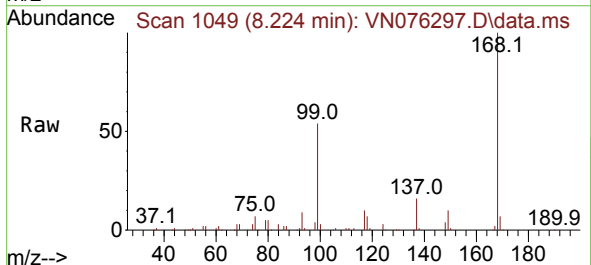
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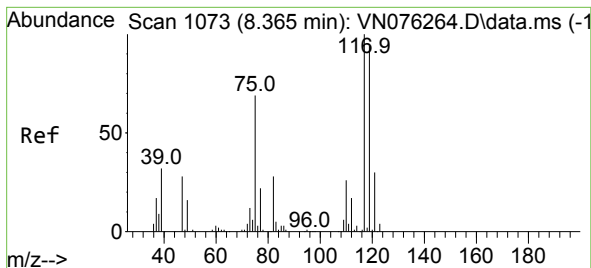
Tgt Ion:113 Resp: 175634
Ion Ratio Lower Upper
113 100
111 101.4 82.7 124.1
192 19.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

Tgt Ion: 75 Resp: 27835
Ion Ratio Lower Upper
75 100
110 11.2 18.8 56.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.382 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN076297.D

Acq: 18 Jan 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

PE-1

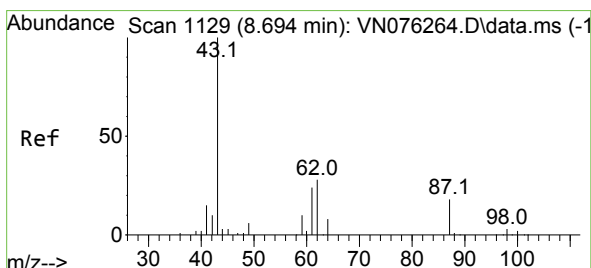
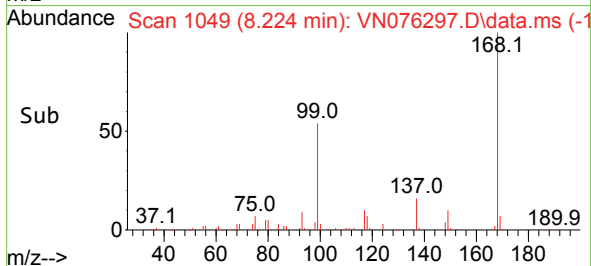
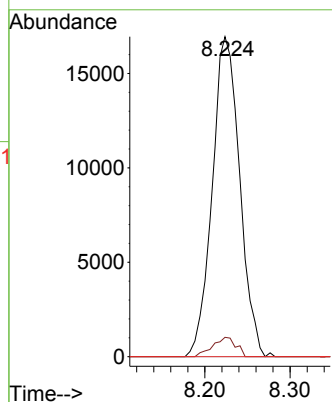
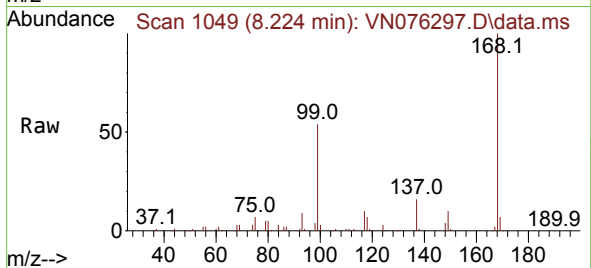
Tgt Ion:117 Resp: 37949

Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.0#

121 0.0 24.2 36.2#



#43

Isopropyl Acetate

Concen: 0.579 ug/l

RT: 8.806 min Scan# 1148

Delta R.T. 0.112 min

Lab File: VN076297.D

Acq: 18 Jan 2023 16:18

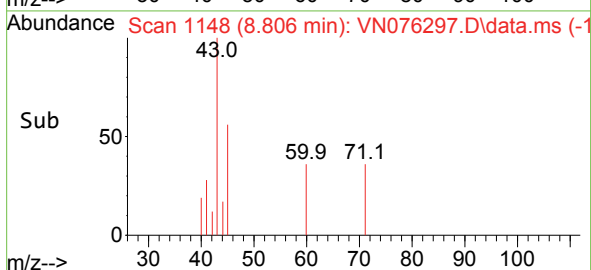
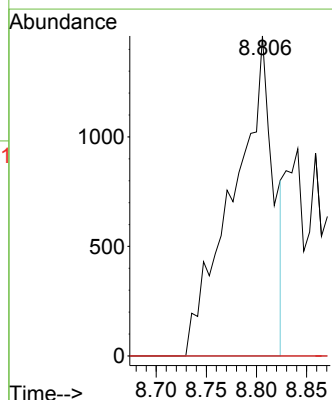
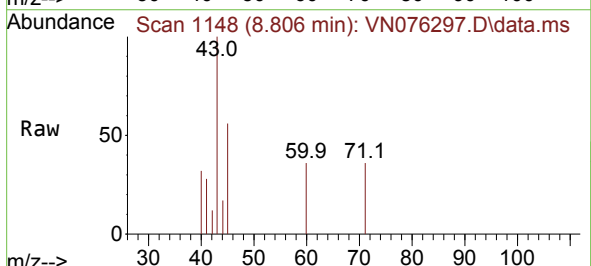
Tgt Ion: 43 Resp: 4032

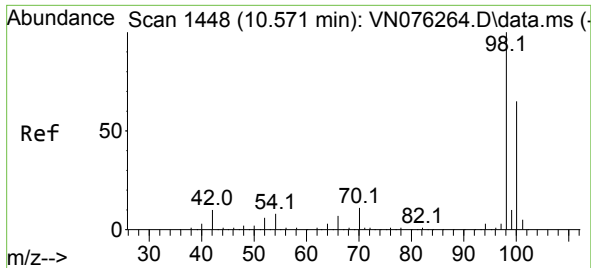
Ion Ratio Lower Upper

43 100

61 0.0 23.5 35.3#

87 0.0 13.8 20.6#

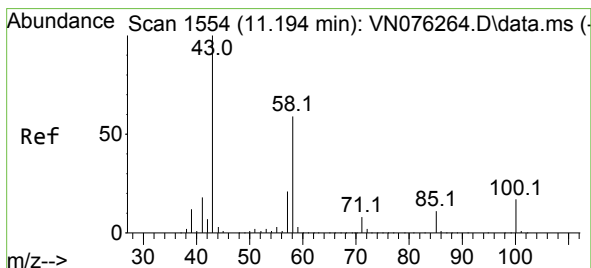
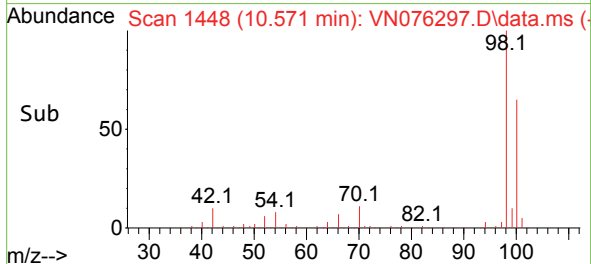
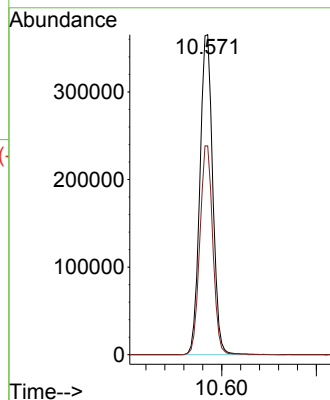
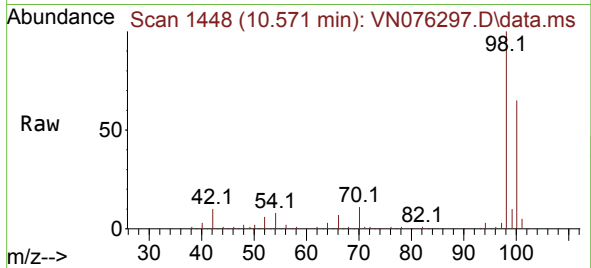




#50
Toluene-d8
Concen: 49.480 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

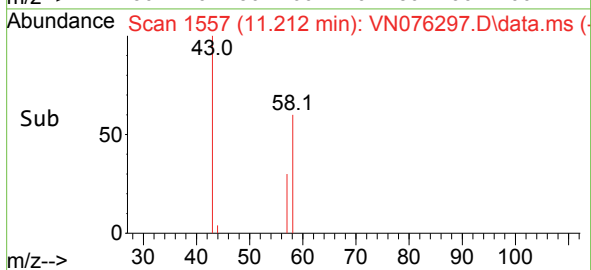
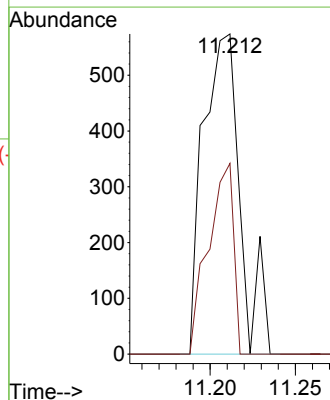
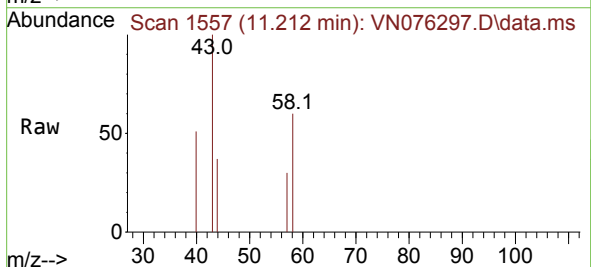
Instrument :
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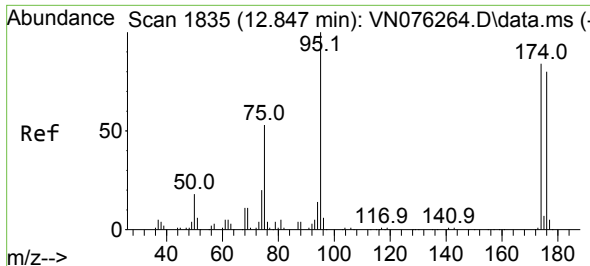
Tgt Ion: 98 Resp: 685726
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#59
2-Hexanone
Concen: 0.293 ug/l
RT: 11.212 min Scan# 1557
Delta R.T. 0.018 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
58 40.7 30.1 90.3

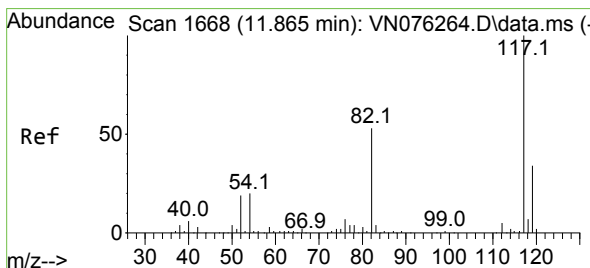
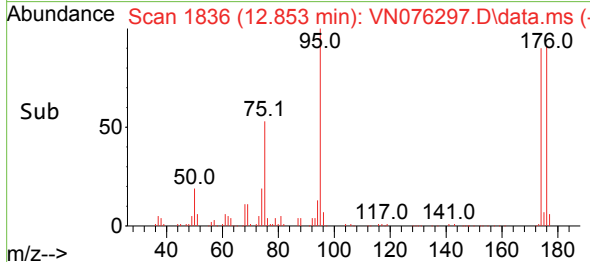
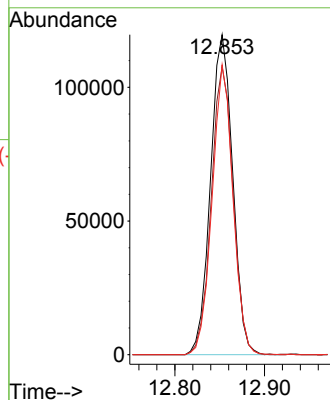
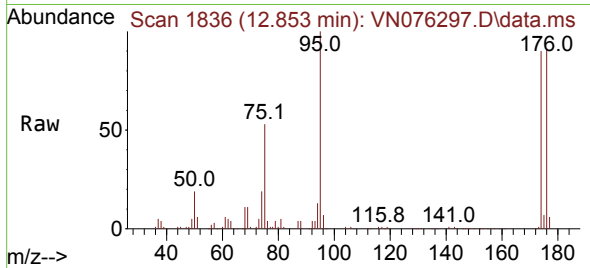




#62
4-Bromofluorobenzene
Concen: 45.422 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

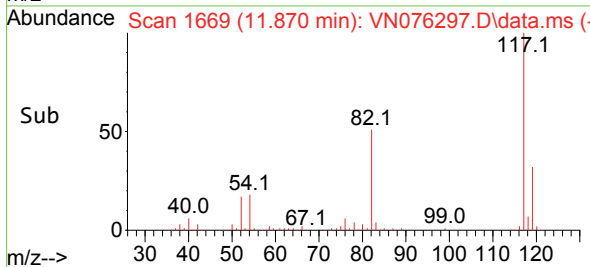
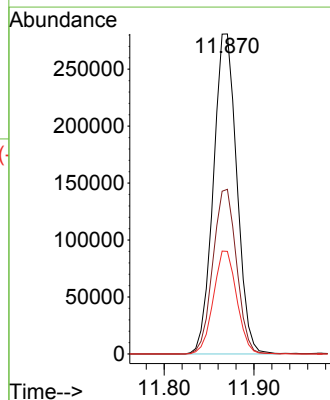
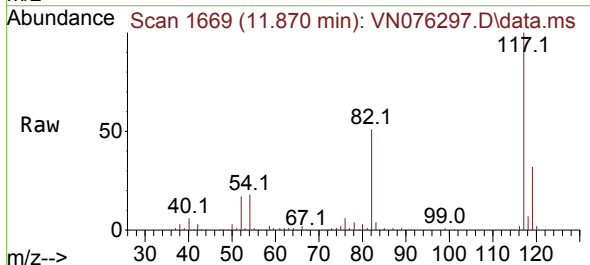
Instrument :
MSVOA_N
ClientSampleId :
PE-1

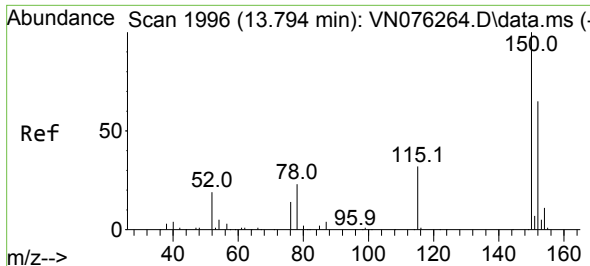
Tgt Ion: 95 Resp: 205502
Ion Ratio Lower Upper
95 100
174 88.8 0.0 174.6
176 85.2 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

Tgt Ion: 117 Resp: 510644
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.2
119 32.0 26.9 40.3

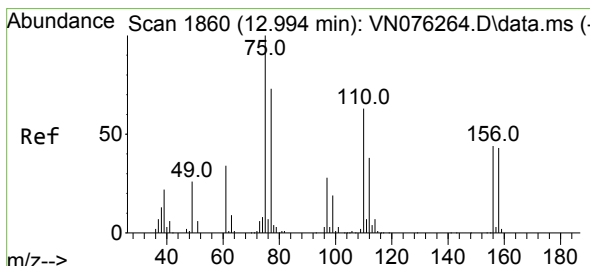
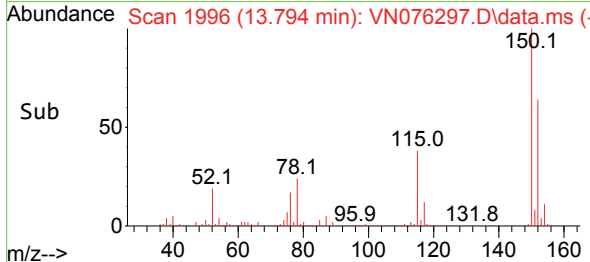
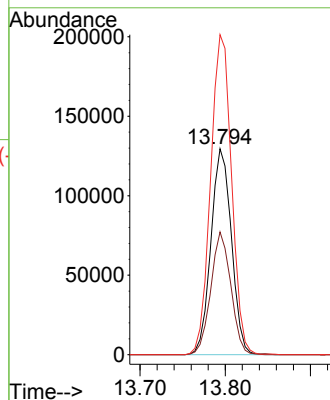
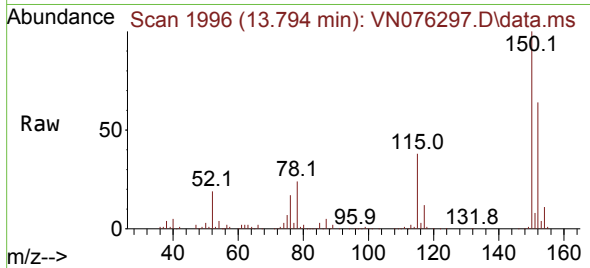




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076297.D
 Acq: 18 Jan 2023 16:18

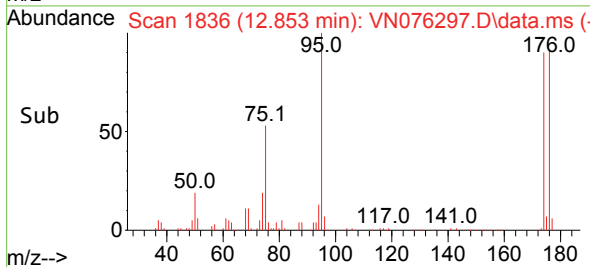
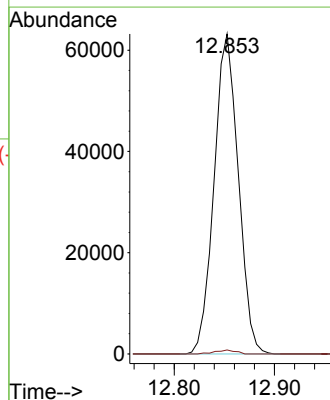
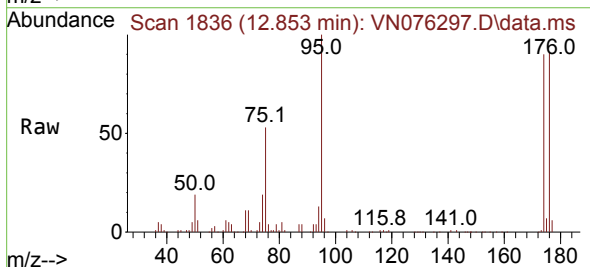
Instrument :
 MSVOA_N
 ClientSampleId :
 PE-1

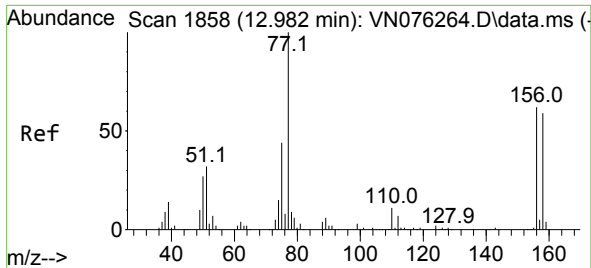
Tgt Ion:152 Resp: 216394
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.6 88.9
 150 158.7 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 26.443 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076297.D
 Acq: 18 Jan 2023 16:18

Tgt Ion: 75 Resp: 106001
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.2 225.6#

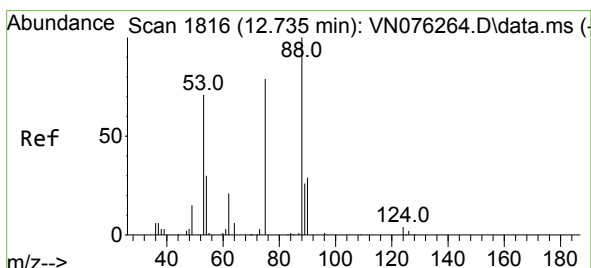
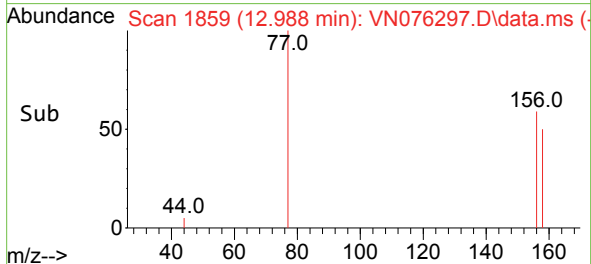
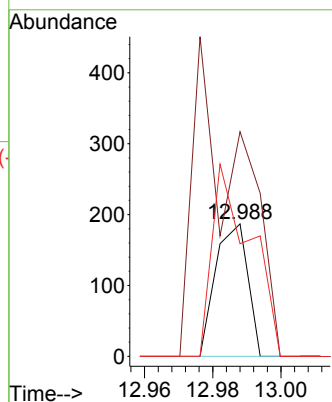
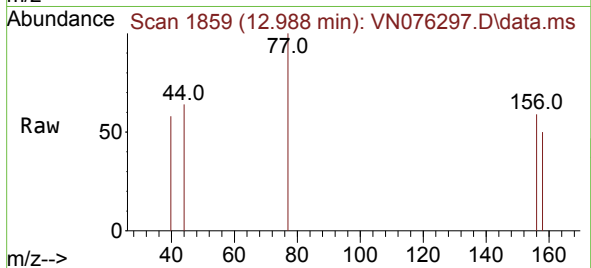




#77
Bromobenzene
Concen: Below Cal
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

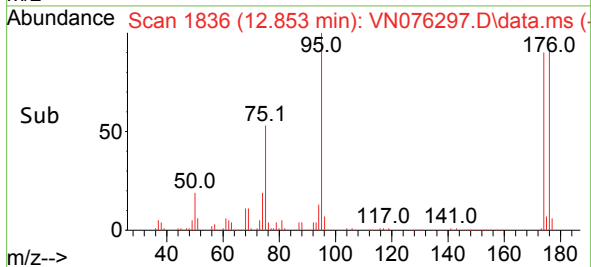
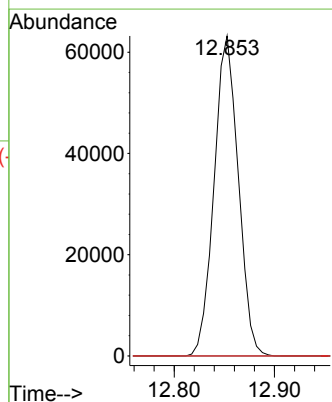
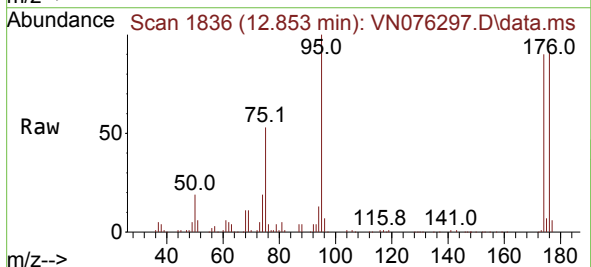
Instrument :
MSVOA_N
ClientSampleId :
PE-1

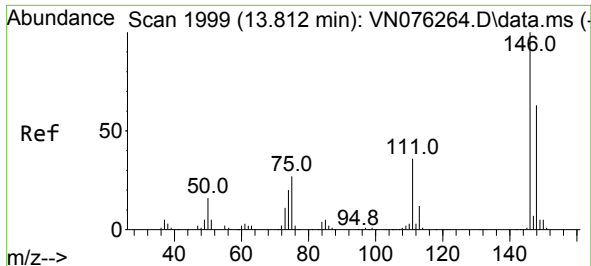
Tgt Ion:156 Resp: 122
Ion Ratio Lower Upper
156 100
77 337.7 93.4 280.2#
158 173.8 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.503 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076297.D
Acq: 18 Jan 2023 16:18

Tgt Ion: 75 Resp: 106001
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#

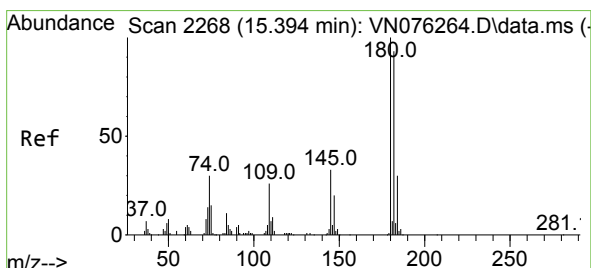
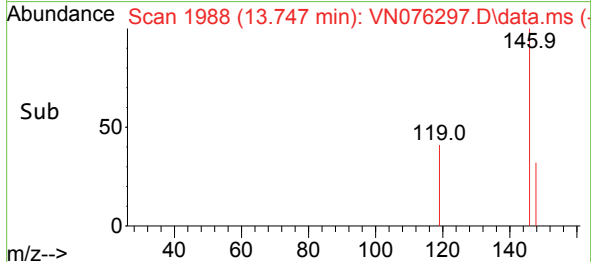
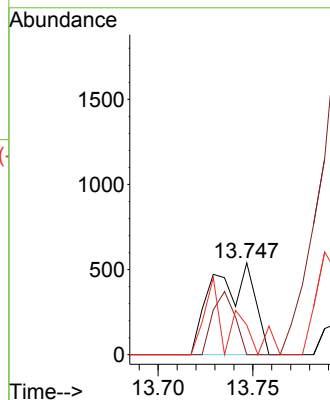
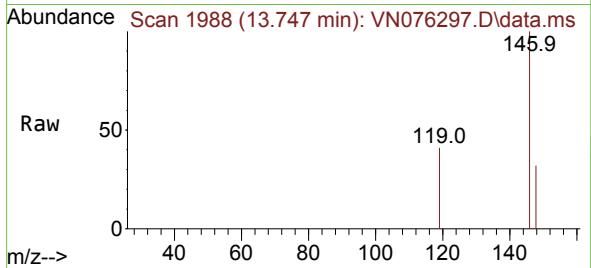




#88
 1,4-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.747 min Scan# 1999
 Delta R.T. -0.065 min
 Lab File: VN076297.D
 Acq: 18 Jan 2023 16:18

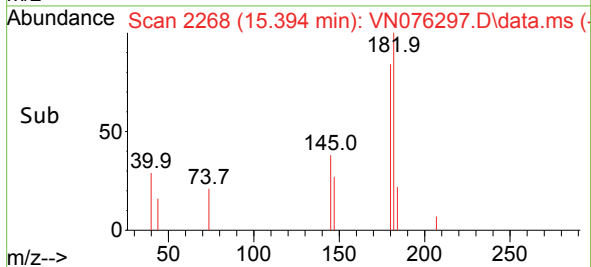
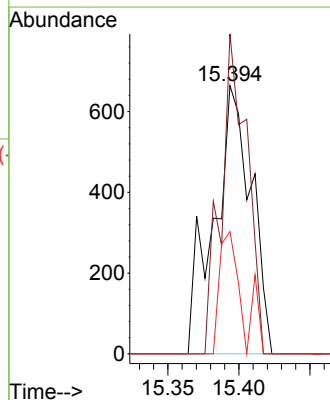
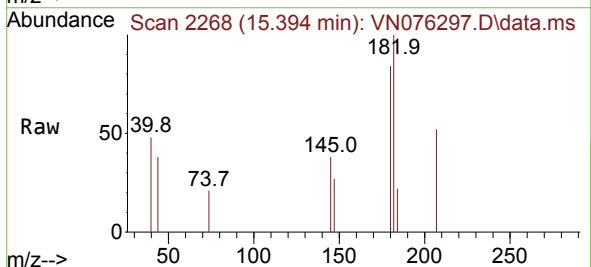
Instrument :
 MSVOA_N
 ClientSampleId :
 PE-1

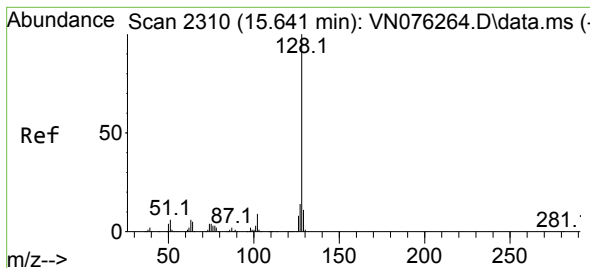
Tgt Ion:146 Resp: 806
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.5
 148 54.6 31.9 95.9



#93
 1,2,4-Trichlorobenzene
 Concen: 1.617 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076297.D
 Acq: 18 Jan 2023 16:18

Tgt Ion:180 Resp: 1217
 Ion Ratio Lower Upper
 180 100
 182 83.1 47.0 141.2
 145 27.4 15.2 45.5





#95

Naphthalene

Concen: 2.354 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076297.D

Acq: 18 Jan 2023 16:18

Instrument :

MSVOA_N

ClientSampleId :

PE-1

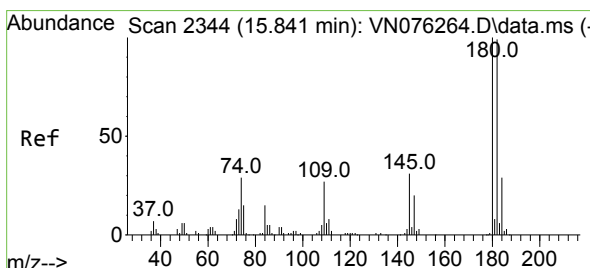
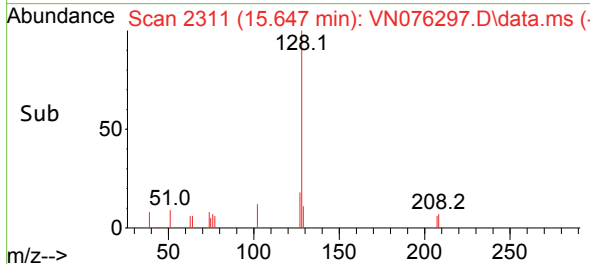
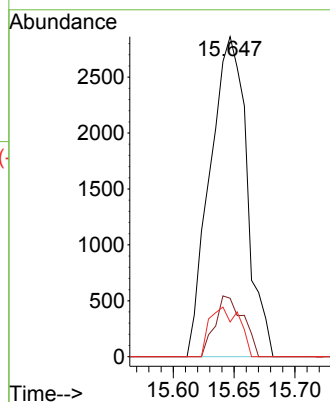
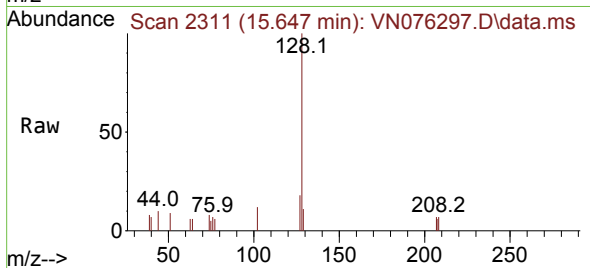
Tgt Ion:128 Resp: 6015

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

129 12.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.458 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076297.D

Acq: 18 Jan 2023 16:18

Tgt Ion:180 Resp: 1125

Ion Ratio Lower Upper

180 100

182 96.7 47.5 142.5

145 30.7 15.9 47.6

