

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076304.D
 Acq On : 18 Jan 2023 19:07
 Operator : JC\MD
 Sample : 01190-06
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-5

Quant Time: Jan 19 00:54:23 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)

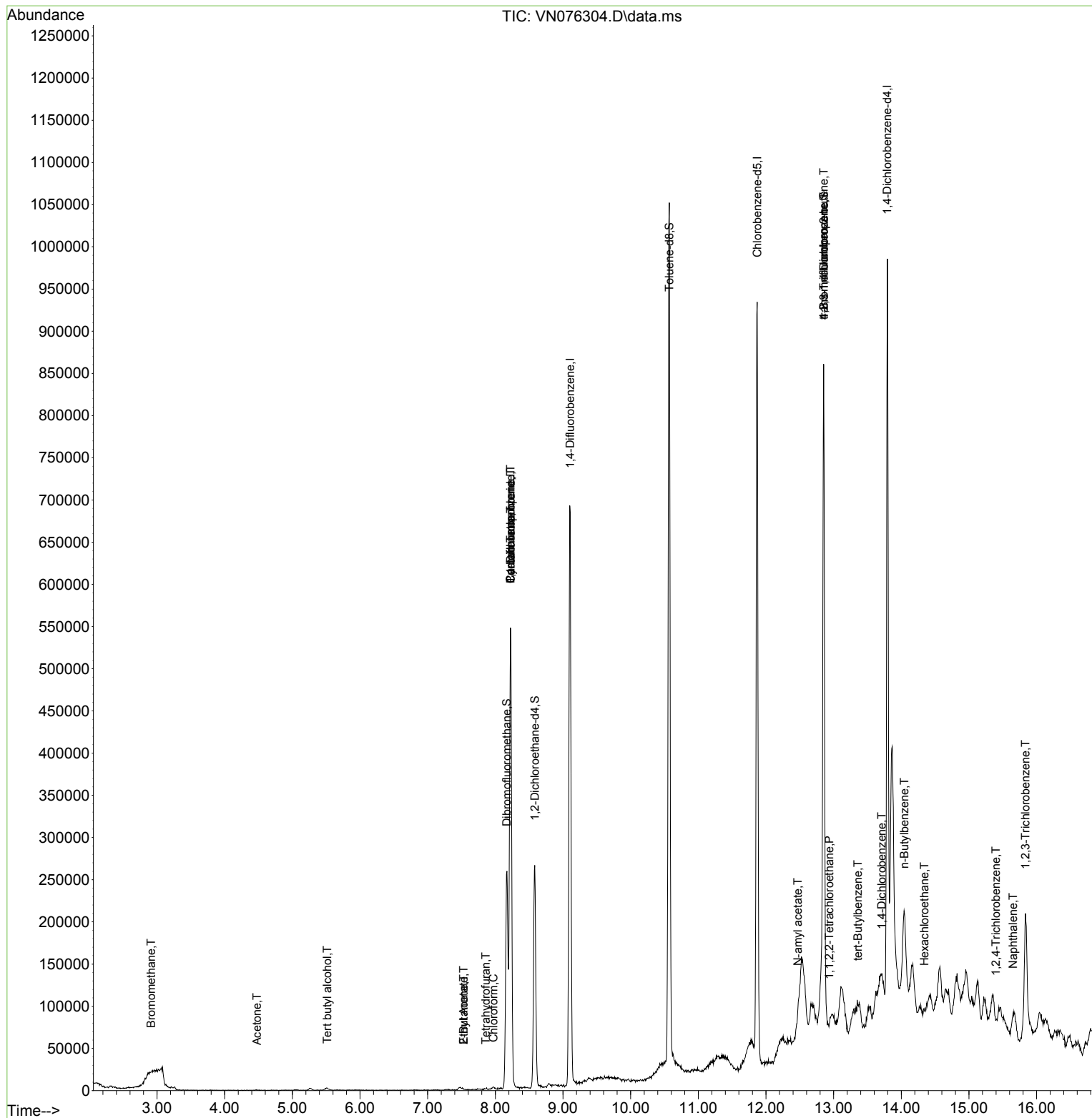
Internal Standards						
1) Pentafluorobenzene	8.224	168	424375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	651902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	561070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	236727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216876	45.642	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.280%
35) Dibromofluoromethane	8.171	113	185497	45.488	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.980%
50) Toluene-d8	10.571	98	749825	49.788	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.853	95	234573	47.712	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.420%
Target Compounds						
					Qvalue	
5) Bromomethane	2.912	94	942	0.208	ug/l	99
11) Tert butyl alcohol	5.518	59	1806	2.842	ug/l #	72
16) Acetone	4.477	43	574	0.303	ug/l #	41
20) Methylene Chloride	5.253	84	1037	Below Cal	#	74
25) 2-Butanone	7.530	43	942	0.405	ug/l #	40
29) Tetrahydrofuran	7.859	42	548	0.382	ug/l #	67
30) Chloroform	7.971	83	2147	0.261	ug/l	98
31) Cyclohexane	8.224	56	8256	1.131	ug/l #	24
36) 1,1-Dichloropropene	8.224	75	30246	5.220	ug/l #	43
37) Ethyl Acetate	7.530	43	942	0.239	ug/l #	67
38) Carbon Tetrachloride	8.224	117	43488	6.730	ug/l #	18
74) N-amyl acetate	12.470	43	2301	0.437	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.935	83	4766	0.905	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	124537	28.470	ug/l #	1
77) Bromobenzene	13.100	156	55	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	124537	87.530	ug/l #	12
83) tert-Butylbenzene	13.359	119	12342	0.904	ug/l #	56
88) 1,4-Dichlorobenzene	13.711	146	820	0.201	ug/l	72
89) n-Butylbenzene	14.047	91	6050	0.489	ug/l #	38
90) Hexachloroethane	14.341	117	670	0.249	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.400	180	350	1.387	ug/l #	1
95) Naphthalene	15.653	128	6359	2.337	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.835	180	429	1.260	ug/l #	1

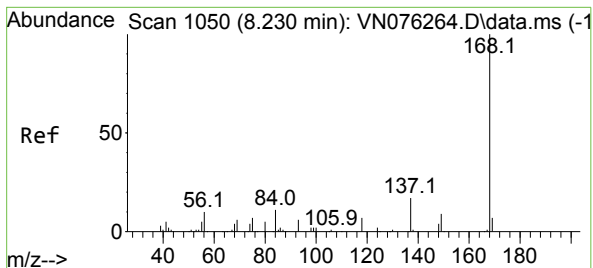
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1049

Delta R.T. -0.006 min

Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

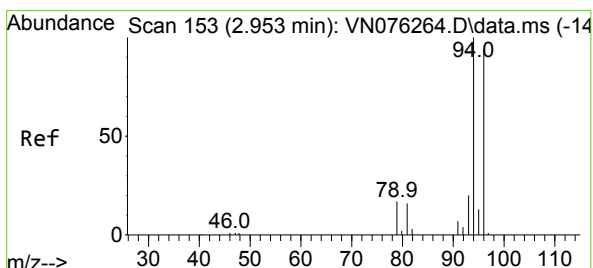
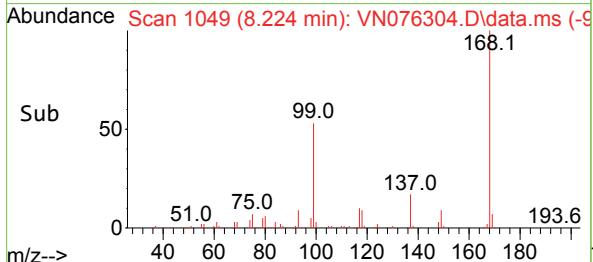
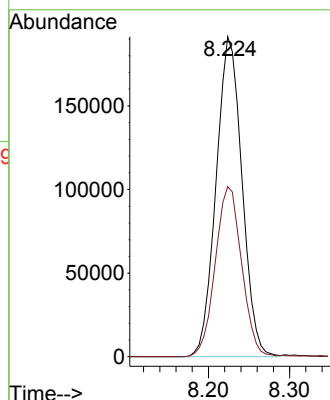
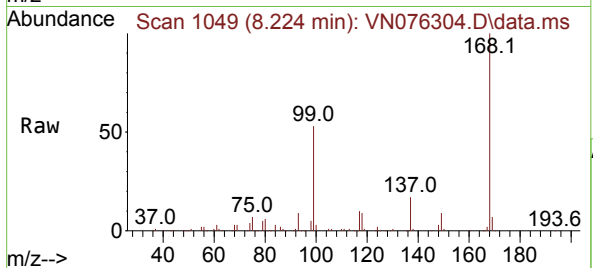
PE-5

Tgt Ion:168 Resp: 424375

Ion Ratio Lower Upper

168 100

99 53.2 41.6 62.4



#5

Bromomethane

Concen: 0.208 ug/l

RT: 2.912 min Scan# 146

Delta R.T. -0.041 min

Lab File: VN076304.D

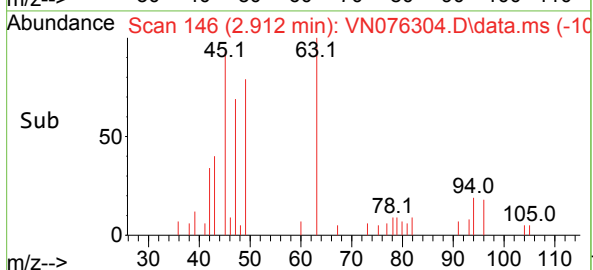
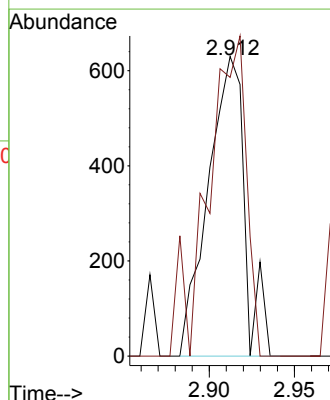
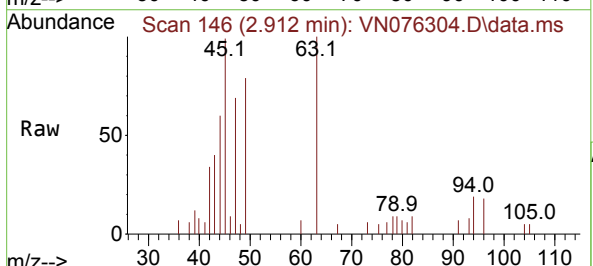
Acq: 18 Jan 2023 19:07

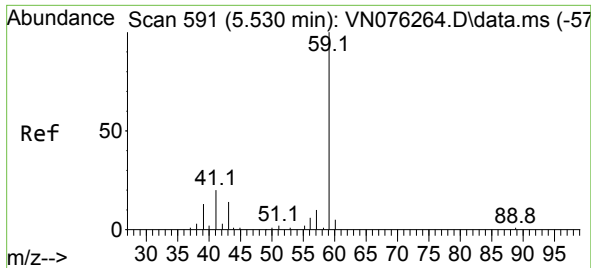
Tgt Ion: 94 Resp: 942

Ion Ratio Lower Upper

94 100

96 93.0 75.1 112.7

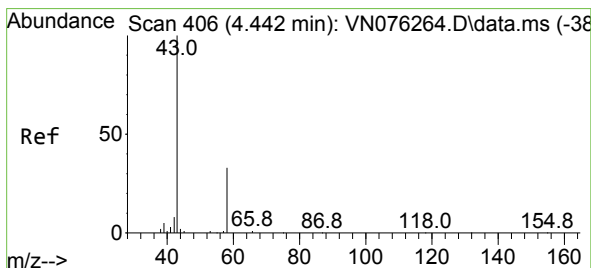
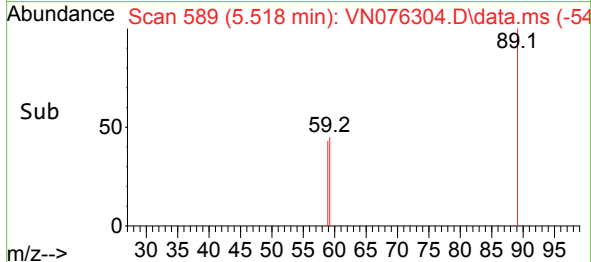
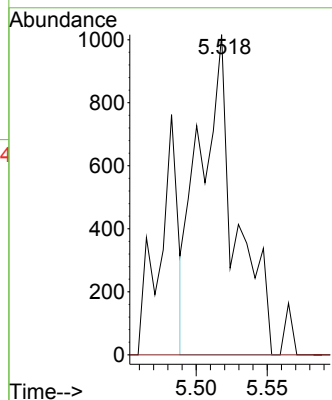
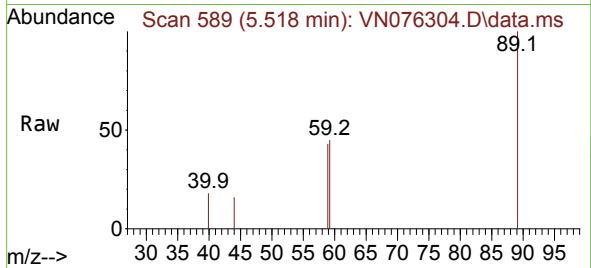




#11
Tert butyl alcohol
Concen: 2.842 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

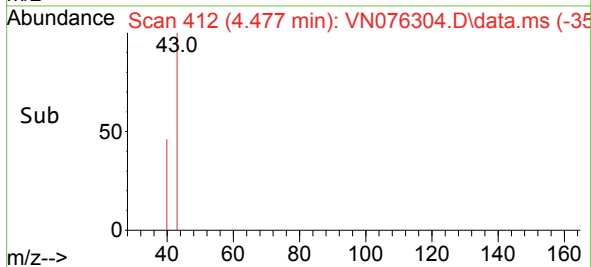
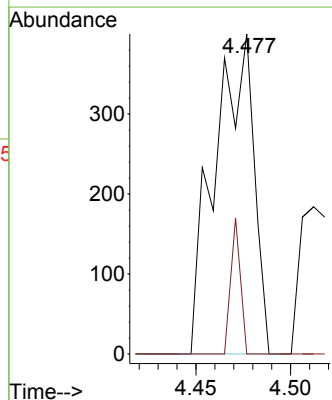
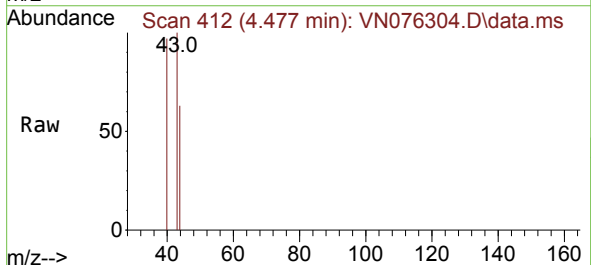
Instrument :
MSVOA_N
ClientSampleId :
PE-5

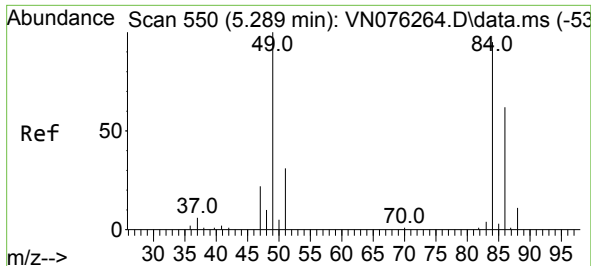
Tgt Ion: 59 Resp: 1806
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.303 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.035 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

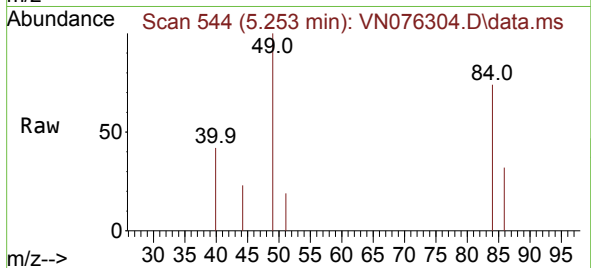
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



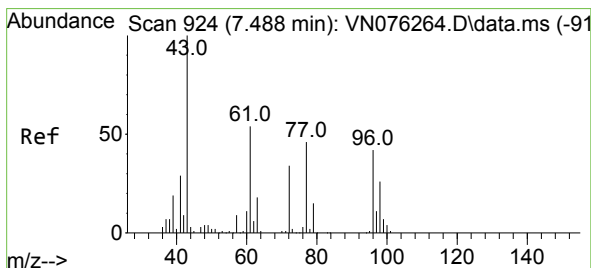
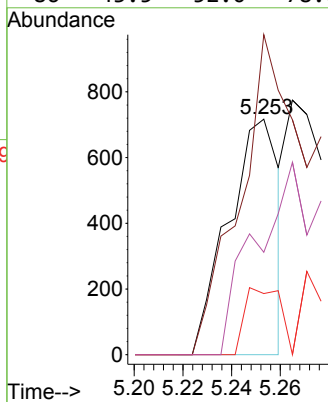
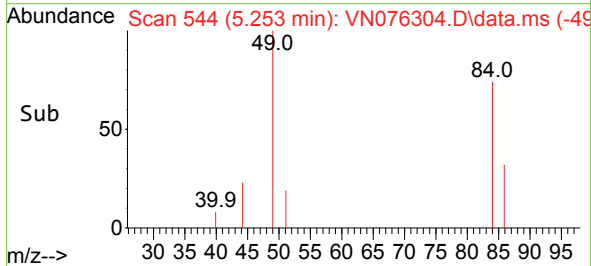


#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 54
Delta R.T. -0.036 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Instrument :
MSVOA_N
ClientSampleId :
PE-5

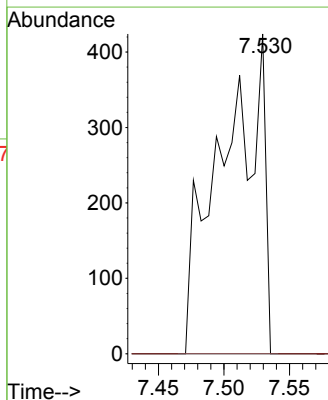
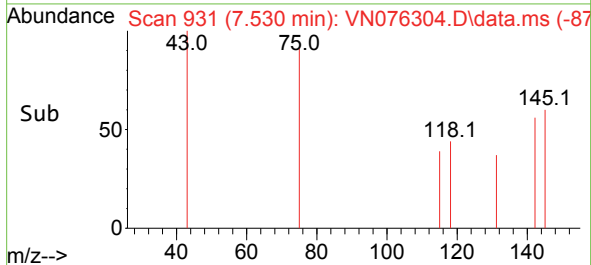
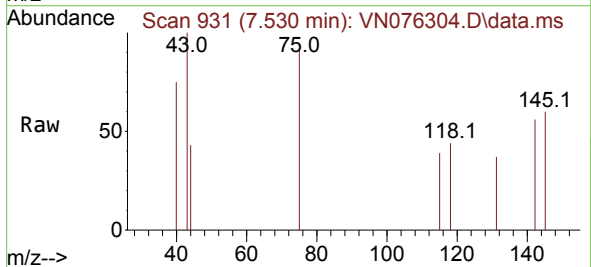


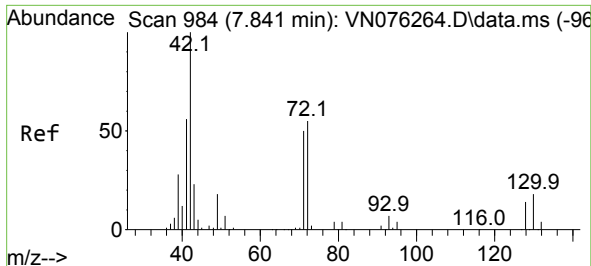
Tgt Ion: 84 Resp: 1037
Ion Ratio Lower Upper
84 100
49 135.8 84.5 126.7#
51 25.9 26.0 39.0#
86 43.5 52.0 78.0#



#25
2-Butanone
Concen: 0.405 ug/l
RT: 7.530 min Scan# 931
Delta R.T. 0.042 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#





#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

PE-5

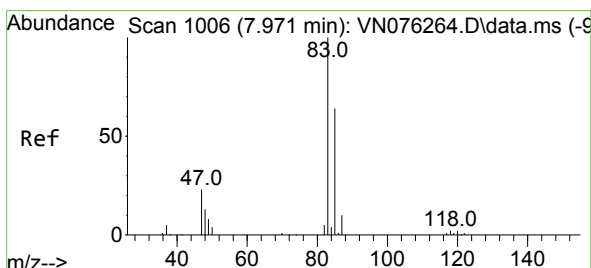
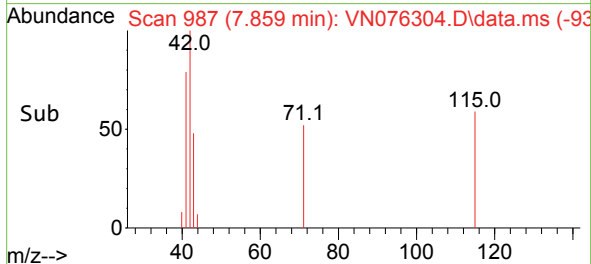
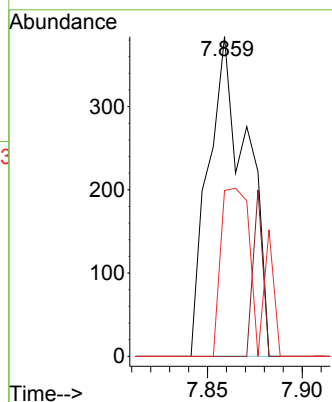
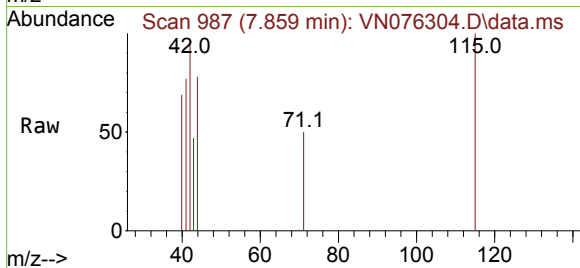
Tgt Ion: 42 Resp: 548

Ion Ratio Lower Upper

42 100

72 13.0 44.0 66.0#

71 47.6 41.1 61.7



#30

Chloroform

Concen: 0.261 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN076304.D

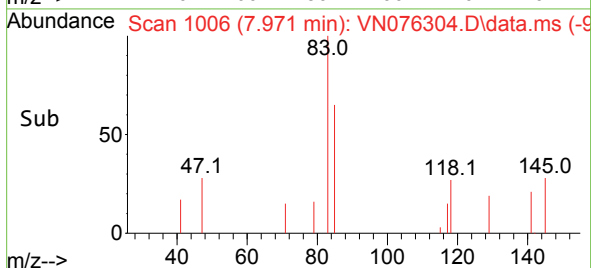
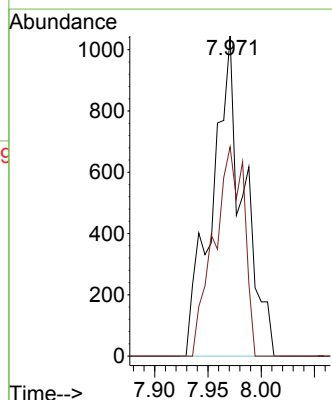
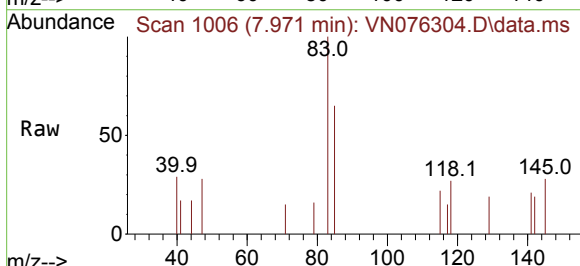
Acq: 18 Jan 2023 19:07

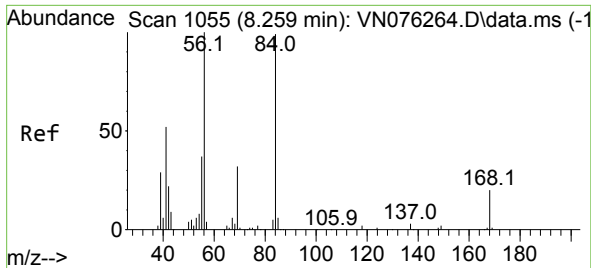
Tgt Ion: 83 Resp: 2147

Ion Ratio Lower Upper

83 100

85 65.4 51.0 76.6

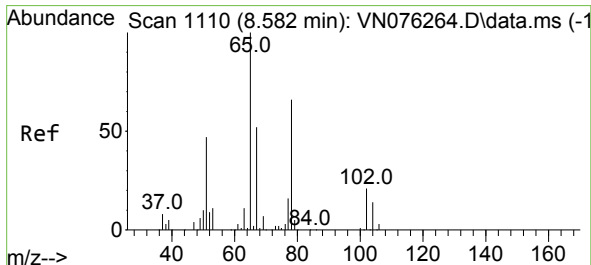
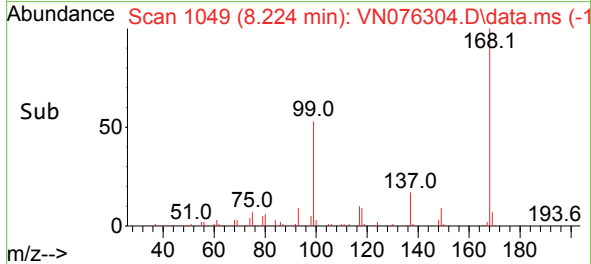
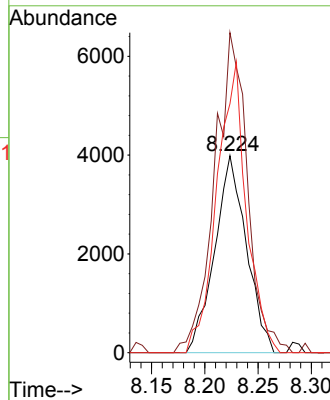
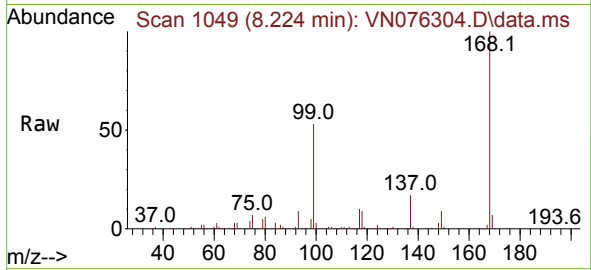




#31
Cyclohexane
Concen: 1.131 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

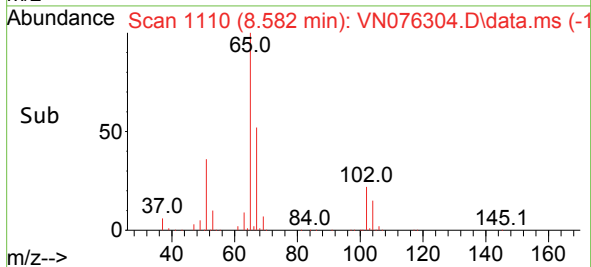
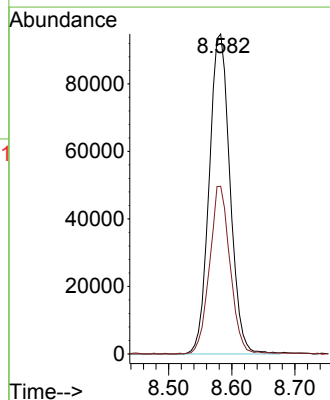
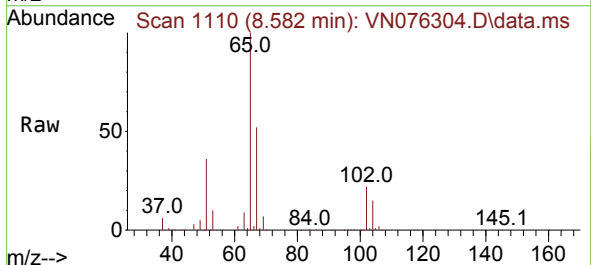
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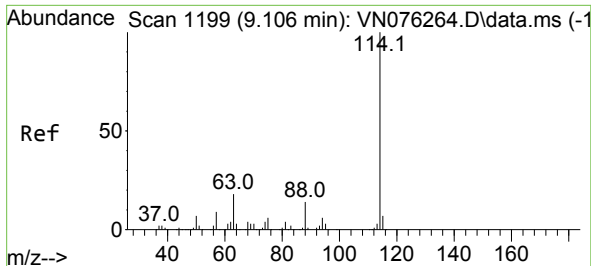
Tgt Ion: 56 Resp: 8256
Ion Ratio Lower Upper
56 100
69 158.1 25.8 38.8#
84 126.4 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 45.642 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion: 65 Resp: 216876
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.6

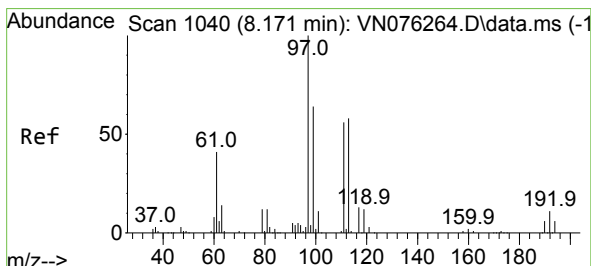
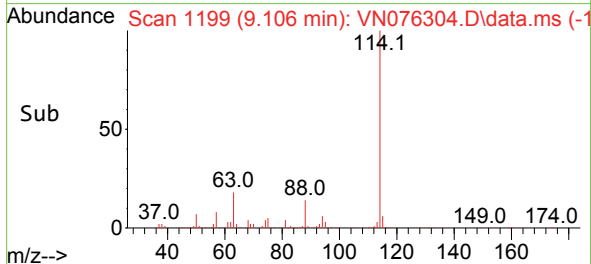
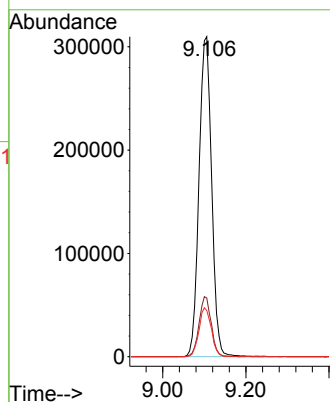
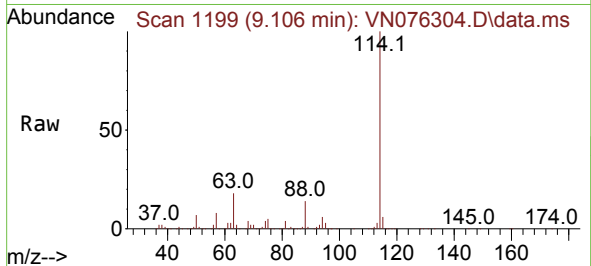




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

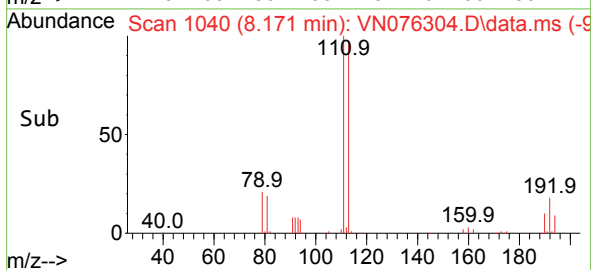
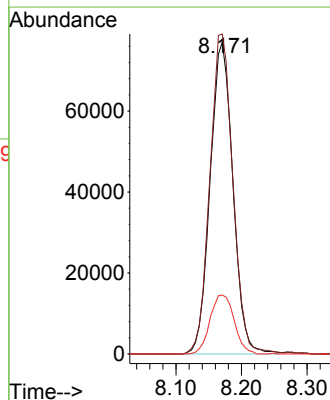
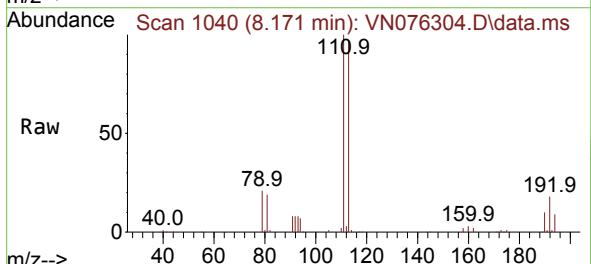
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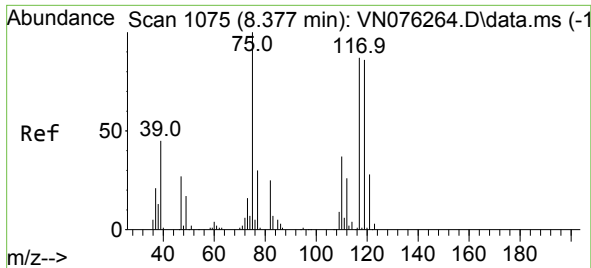
Tgt Ion:114 Resp: 651902
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.8
88 14.5 0.0 28.0



#35
Dibromofluoromethane
Concen: 45.488 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion:113 Resp: 185497
Ion Ratio Lower Upper
113 100
111 103.8 82.7 124.1
192 20.1 15.6 23.4

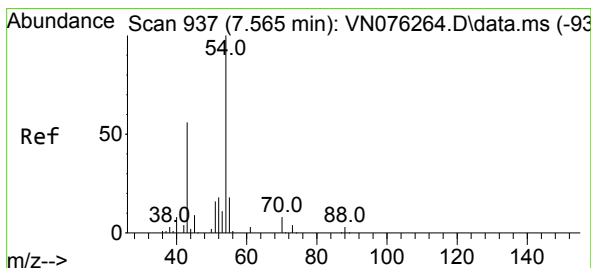
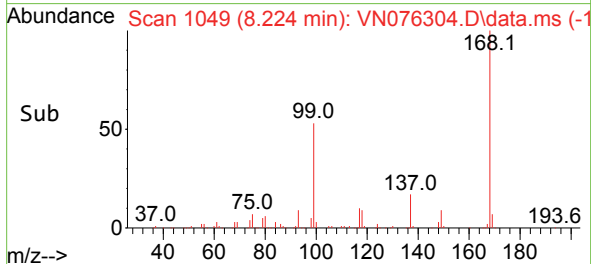
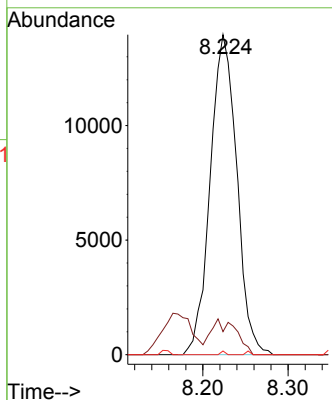
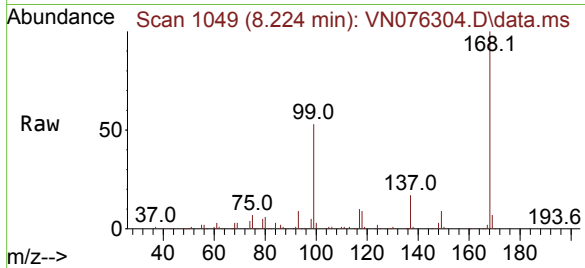




#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

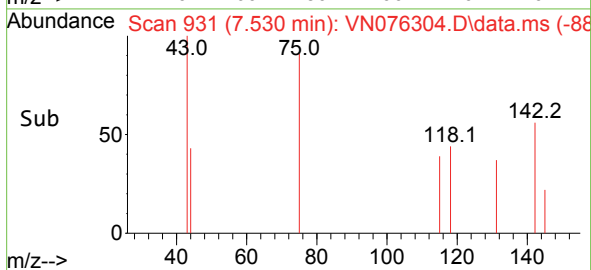
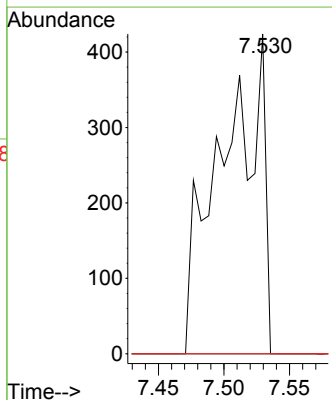
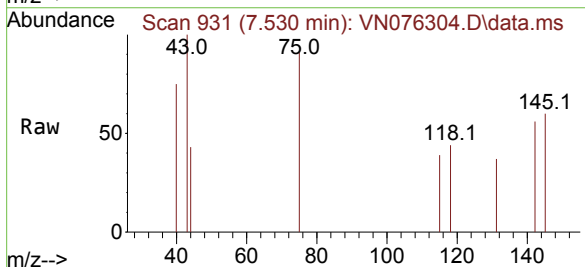
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PE-5

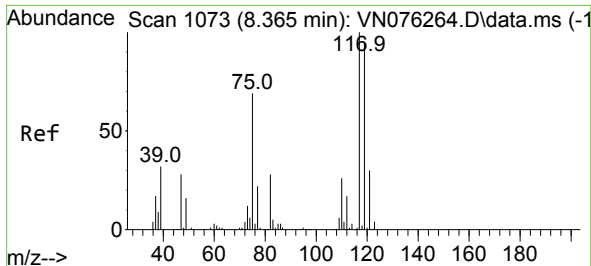
Tgt Ion: 75 Resp: 30246
Ion Ratio Lower Upper
75 100
110 3.3 18.8 56.3#
77 0.2 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.239 ug/l
RT: 7.530 min Scan# 931
Delta R.T. -0.035 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 10.0 15.0#

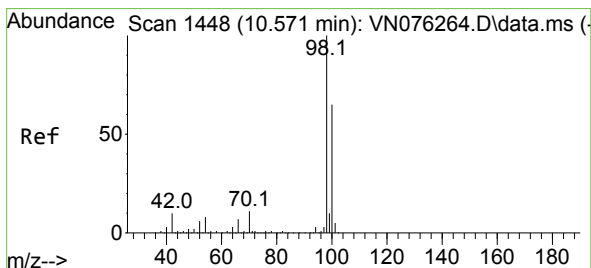
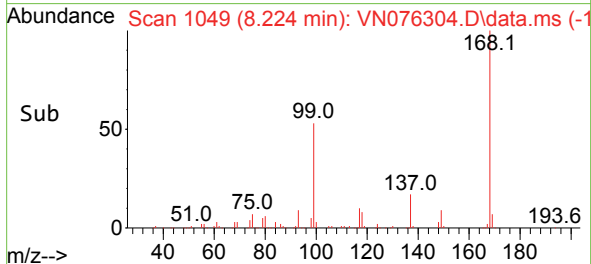
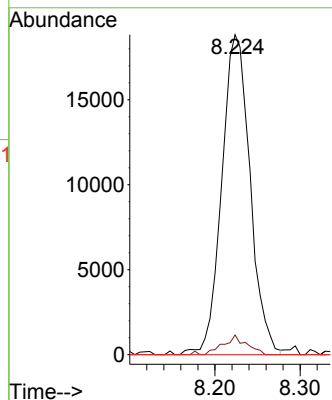
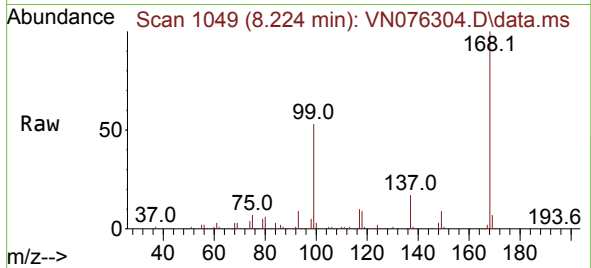




#38
Carbon Tetrachloride
Concen: 6.730 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

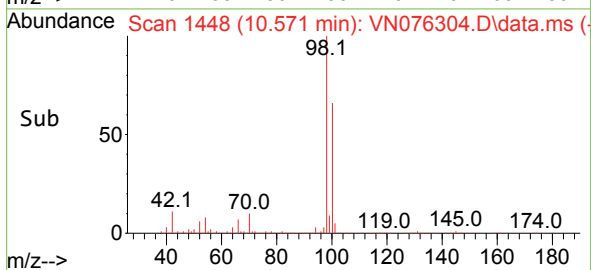
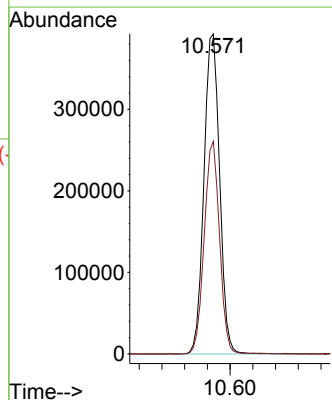
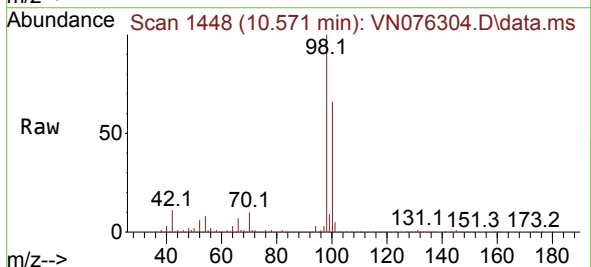
Instrument :
MSVOA_N
ClientSampleId :
PE-5

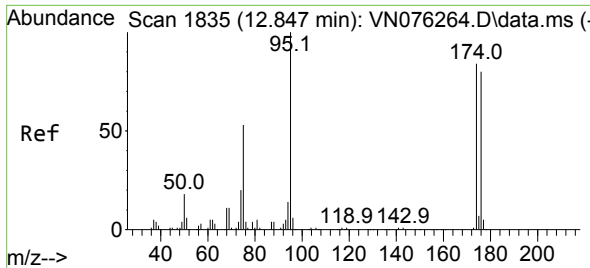
Tgt Ion:117 Resp: 43488
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.788 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion: 98 Resp: 749825
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

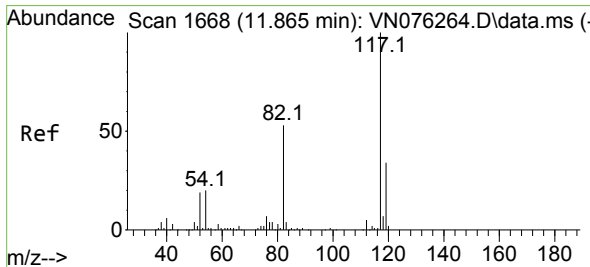
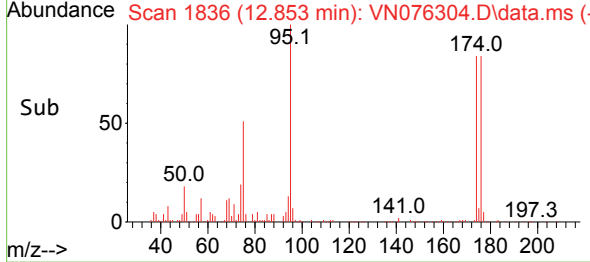
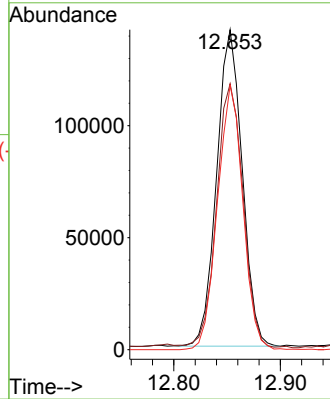
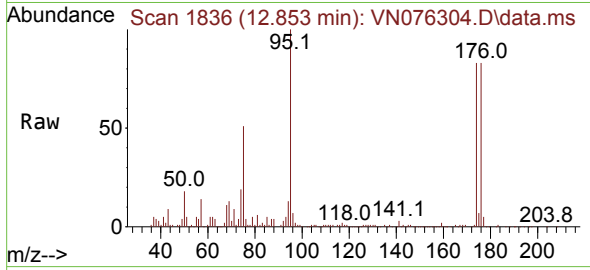




#62
4-Bromofluorobenzene
Concen: 47.712 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

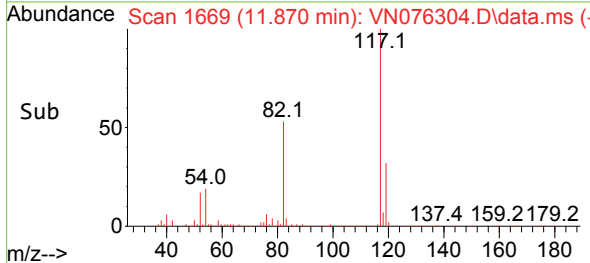
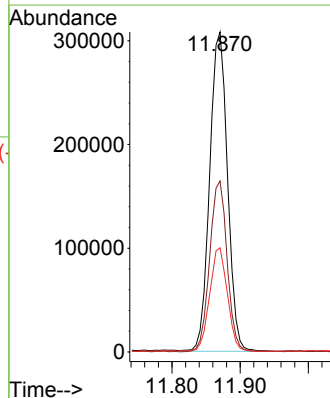
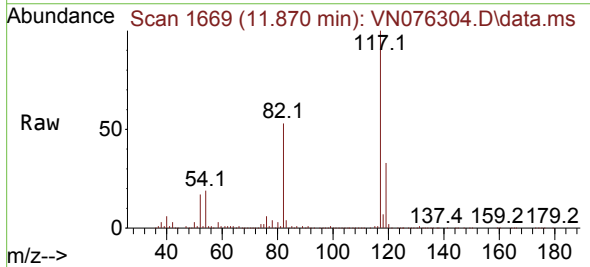
Instrument :
MSVOA_N
ClientSampleId :
PE-5

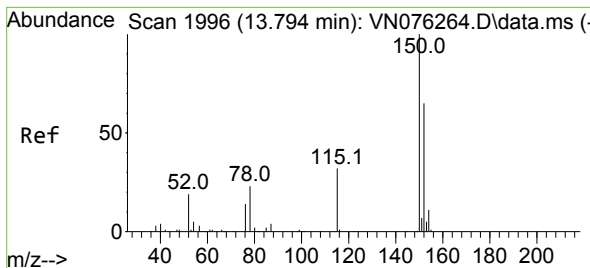
Tgt Ion: 95 Resp: 234573
Ion Ratio Lower Upper
95 100
174 86.7 0.0 174.6
176 83.4 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion: 117 Resp: 561070
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.2
119 32.3 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: VN076304.D

Acq: 18 Jan 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

PE-5

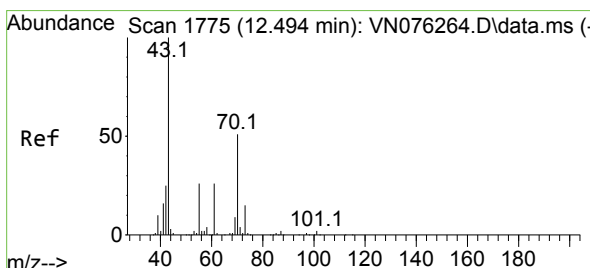
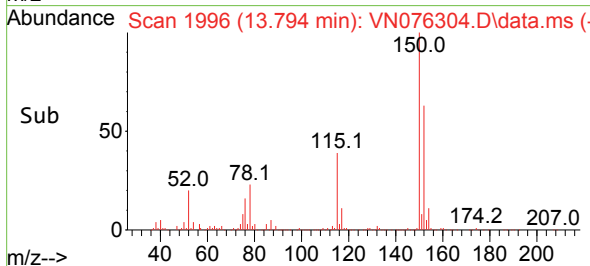
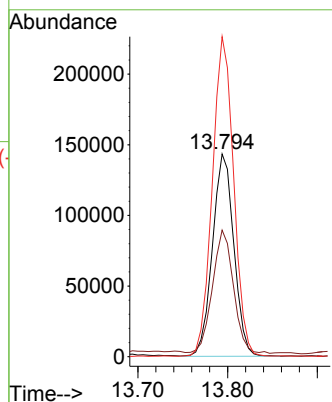
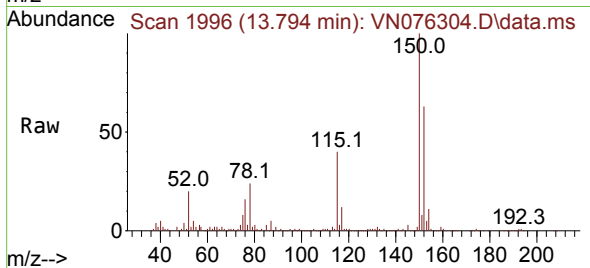
Tgt Ion:152 Resp: 236727

Ion Ratio Lower Upper

152 100

115 59.2 29.6 88.9

150 157.1 0.0 351.4



#74

N-ethyl acetate

Concen: 0.437 ug/l

RT: 12.470 min Scan# 1771

Delta R.T. -0.024 min

Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

Tgt Ion: 43 Resp: 2301

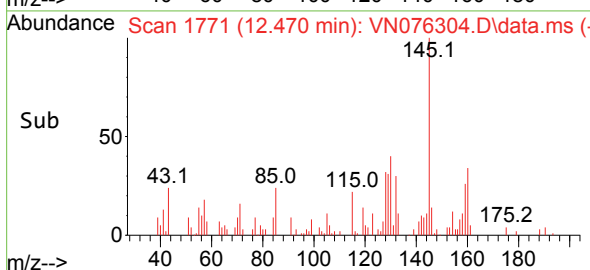
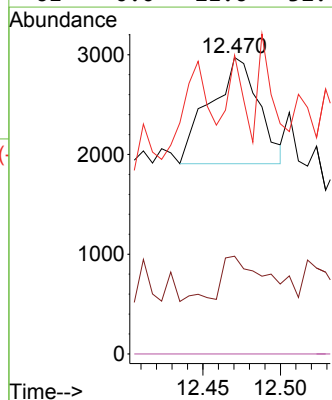
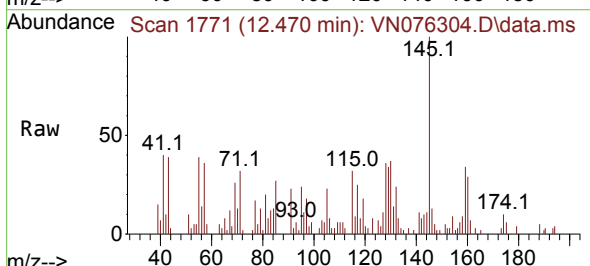
Ion Ratio Lower Upper

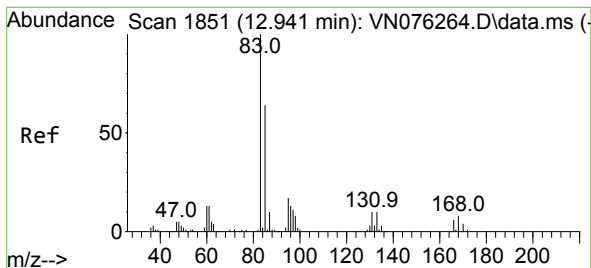
43 100

70 33.5 41.2 61.8#

55 24.8 21.0 31.6

61 0.0 21.6 32.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.905 ug/l

RT: 12.935 min Scan# 1836

Delta R.T. -0.006 min

Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

PE-5

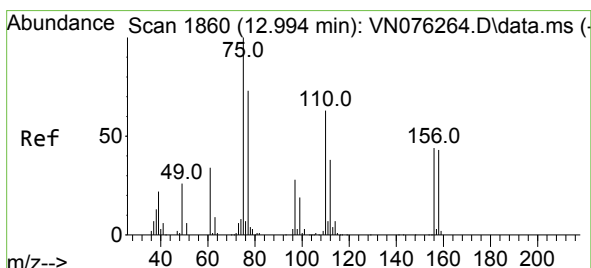
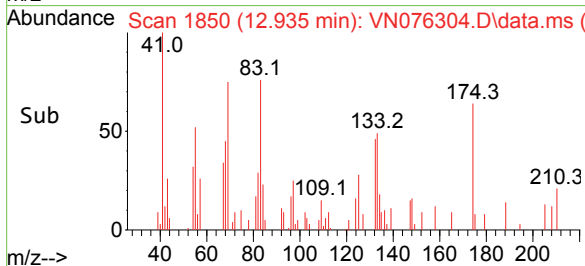
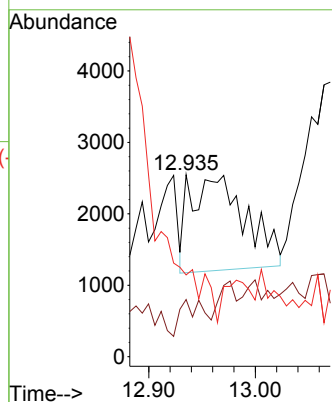
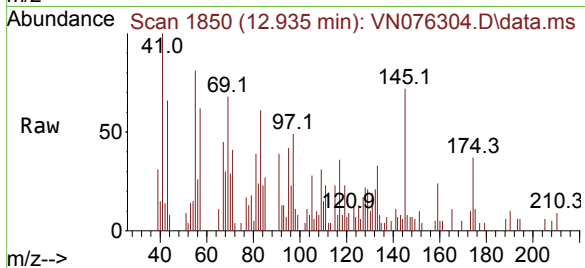
Tgt Ion: 83 Resp: 4766

Ion Ratio Lower Upper

83 100

131 16.5 5.5 16.4#

85 0.0 31.7 95.1#



#76

1,2,3-Trichloropropane

Concen: 28.470 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076304.D

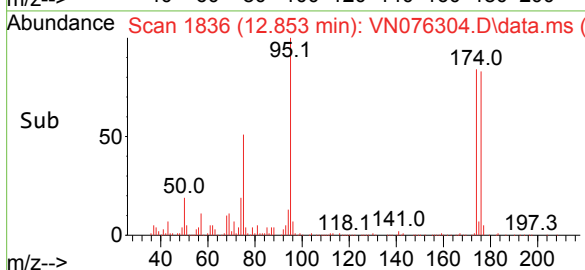
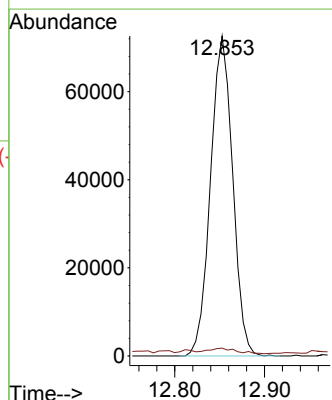
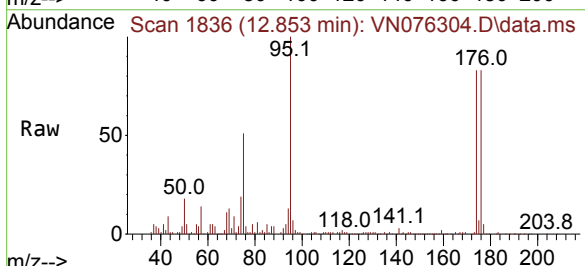
Acq: 18 Jan 2023 19:07

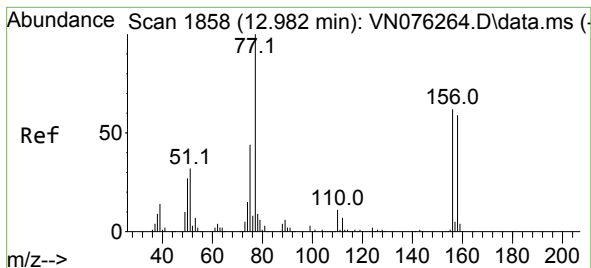
Tgt Ion: 75 Resp: 124537

Ion Ratio Lower Upper

75 100

77 2.2 75.2 225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 13.100 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

Instrument :

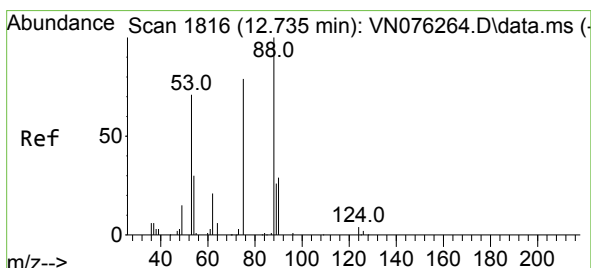
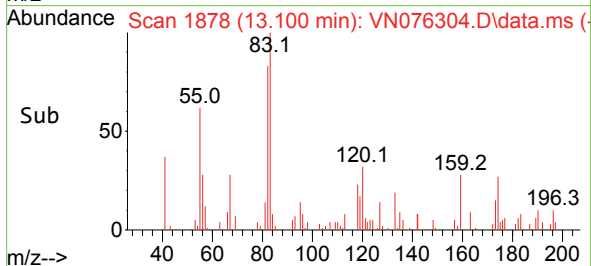
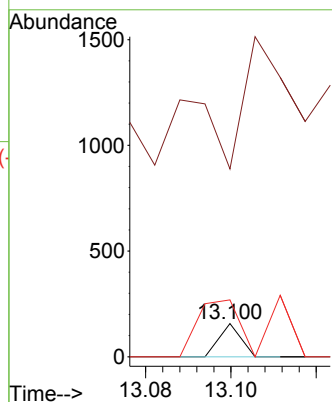
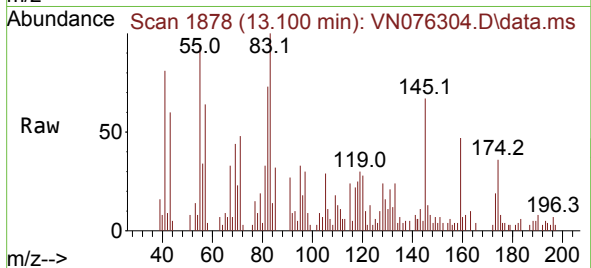
MSVOA_N

ClientSampleId :

PE-5

Tgt Ion:156 Resp: 55

Ion	Ratio	Lower	Upper
156	100		
77	2180.0	93.4	280.2#
158	520.0	48.4	145.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.530 ug/l

RT: 12.853 min Scan# 1836

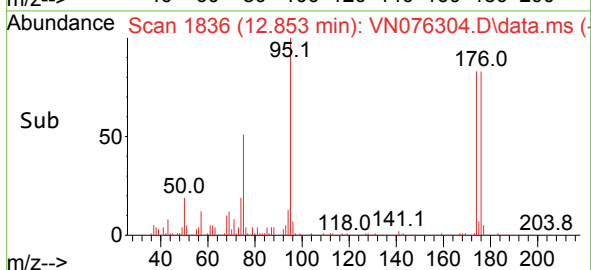
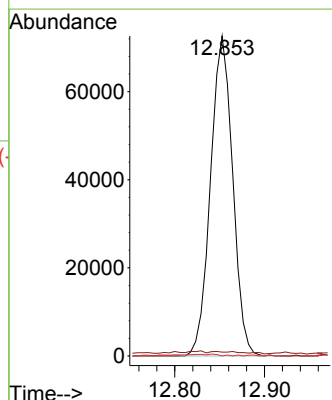
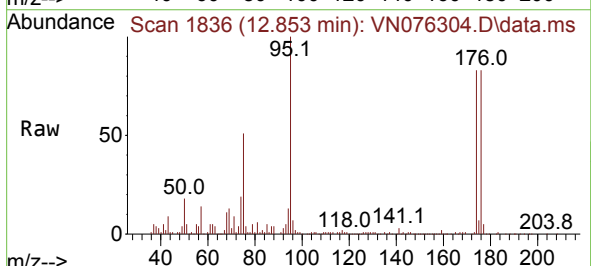
Delta R.T. 0.118 min

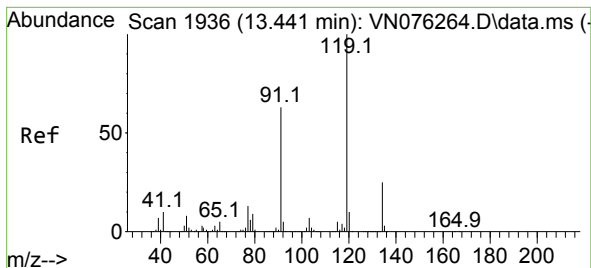
Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

Tgt Ion: 75 Resp: 124537

Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.8	37.0	55.6#





#83

tert-Butylbenzene

Concen: 0.904 ug/l

RT: 13.359 min Scan# 1936

Delta R.T. -0.082 min

Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

Instrument :

MSVOA_N

ClientSampleId :

PE-5

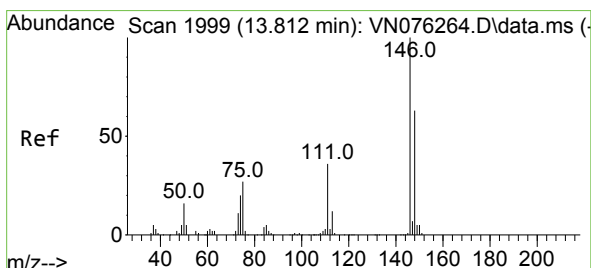
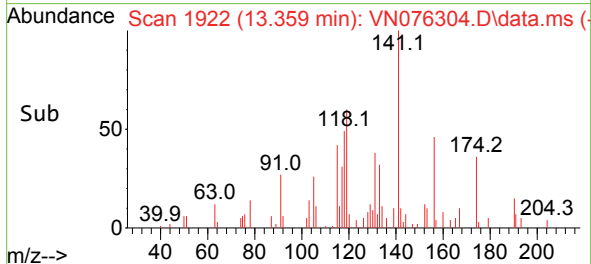
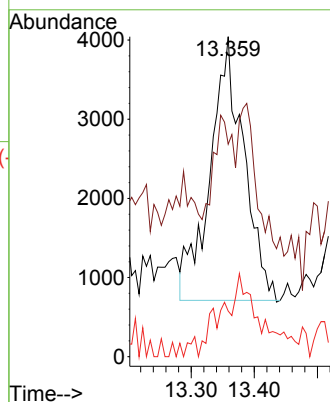
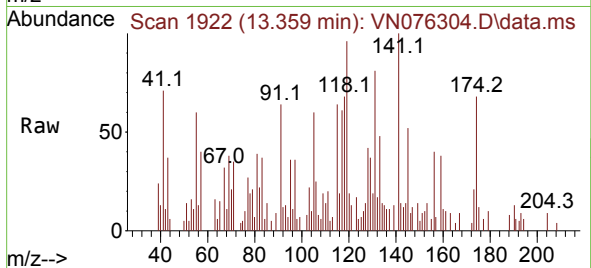
Tgt Ion:119 Resp: 12342

Ion Ratio Lower Upper

119 100

91 29.1 32.2 96.6#

134 5.1 13.6 40.8#



#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 13.711 min Scan# 1982

Delta R.T. -0.101 min

Lab File: VN076304.D

Acq: 18 Jan 2023 19:07

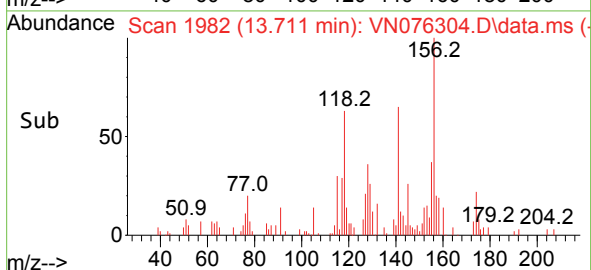
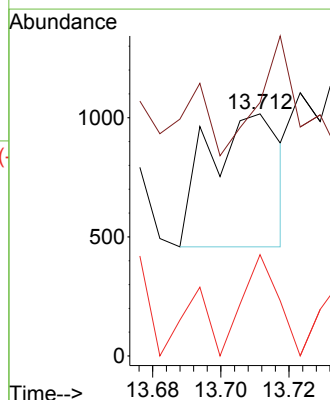
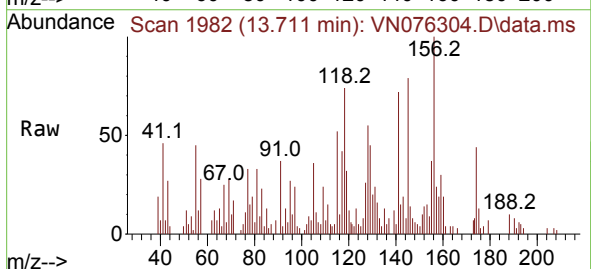
Tgt Ion:146 Resp: 820

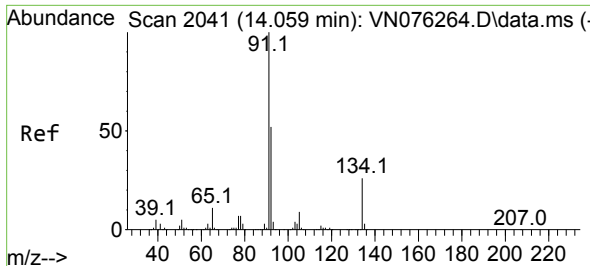
Ion Ratio Lower Upper

146 100

111 49.3 19.1 57.5

148 37.7 31.9 95.9

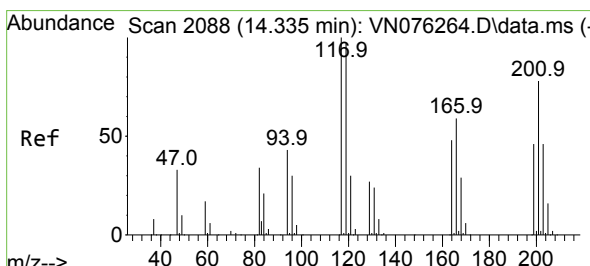
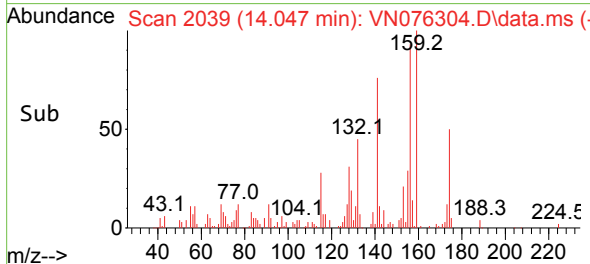
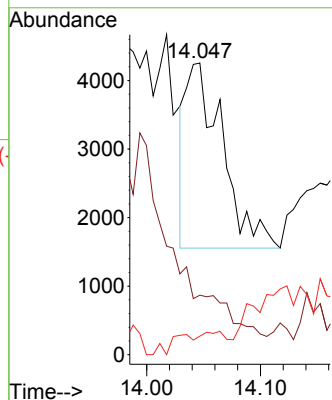
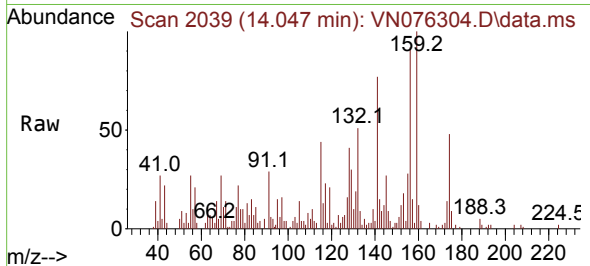




#89
n-Butylbenzene
Concen: 0.489 ug/l
RT: 14.047 min Scan# 2041
Delta R.T. -0.012 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

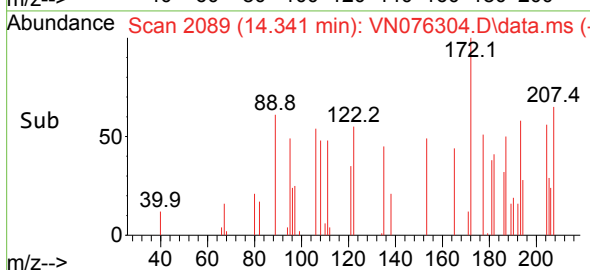
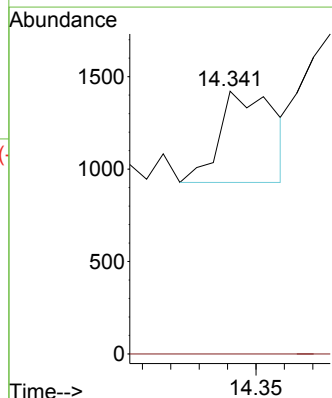
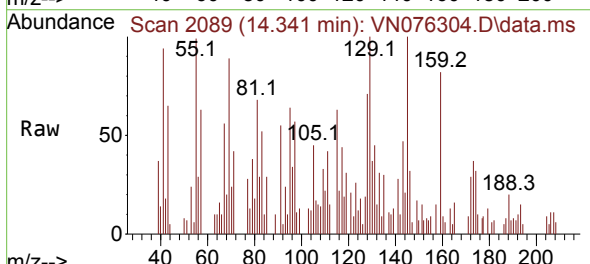
Instrument :
MSVOA_N
ClientSampleId :
PE-5

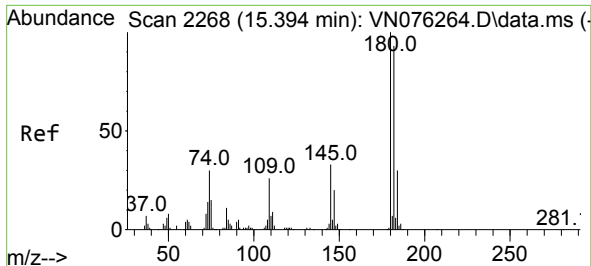
Tgt Ion: 91 Resp: 6050
Ion Ratio Lower Upper
91 100
92 0.0 26.3 78.9#
134 7.1 13.2 39.5#



#90
Hexachloroethane
Concen: 0.249 ug/l
RT: 14.341 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion: 117 Resp: 670
Ion Ratio Lower Upper
117 100
201 0.0 37.3 111.9#

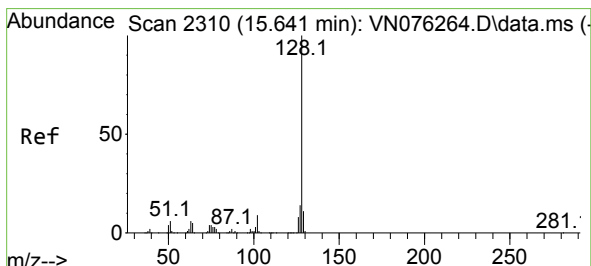
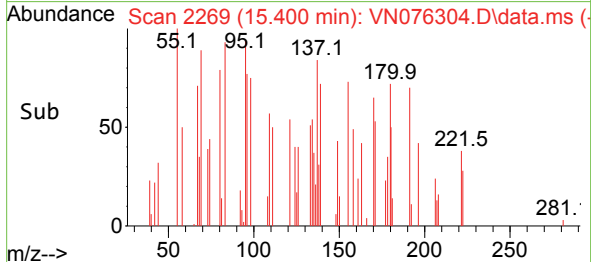
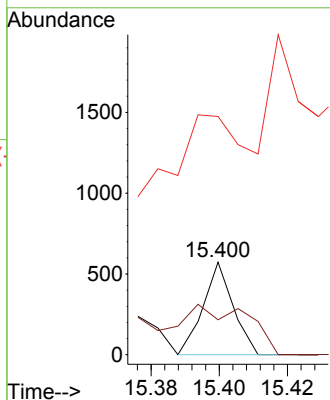
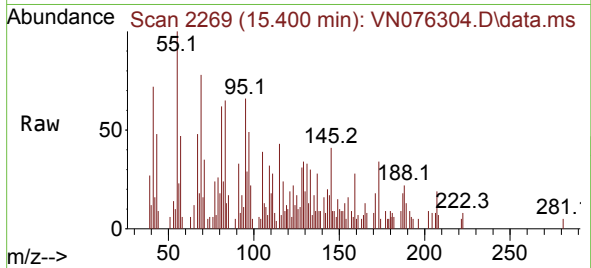




#93
1,2,4-Trichlorobenzene
Concen: 1.387 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

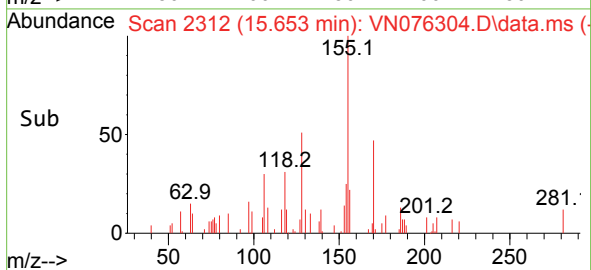
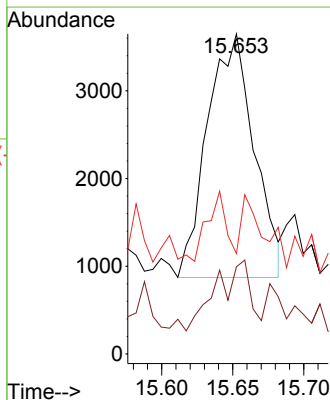
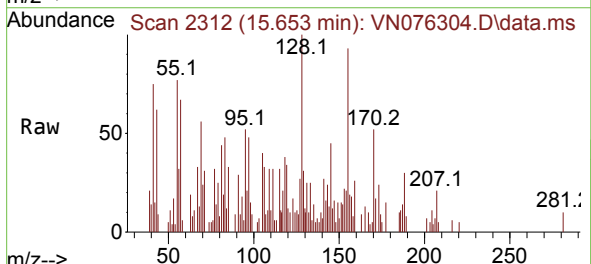
Instrument :
MSVOA_N
ClientSampleId :
PE-5

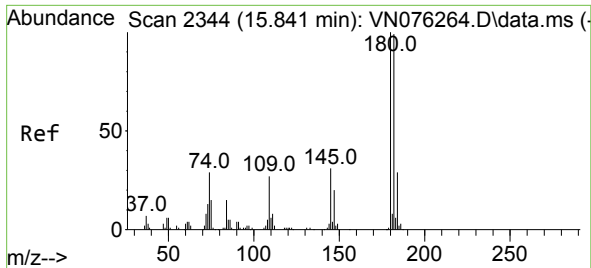
Tgt Ion:180 Resp: 350
Ion Ratio Lower Upper
180 100
182 159.1 47.0 141.2#
145 191.1 15.2 45.5#



#95
Naphthalene
Concen: 2.337 ug/l
RT: 15.653 min Scan# 2312
Delta R.T. 0.012 min
Lab File: VN076304.D
Acq: 18 Jan 2023 19:07

Tgt Ion:128 Resp: 6359
Ion Ratio Lower Upper
128 100
127 19.9 10.3 15.5#
129 14.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.260 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076304.D
 Acq: 18 Jan 2023 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PE-5

Tgt Ion:180 Resp: 429
 Ion Ratio Lower Upper
 180 100
 182 144.3 47.5 142.5#
 145 749.9 15.9 47.6#

