

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022024\
 Data File : VX040349.D
 Acq On : 20 Feb 2024 12:22
 Operator : JC/MD
 Sample : P1534-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-195-GW-880-882

Quant Time: Feb 21 01:11:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

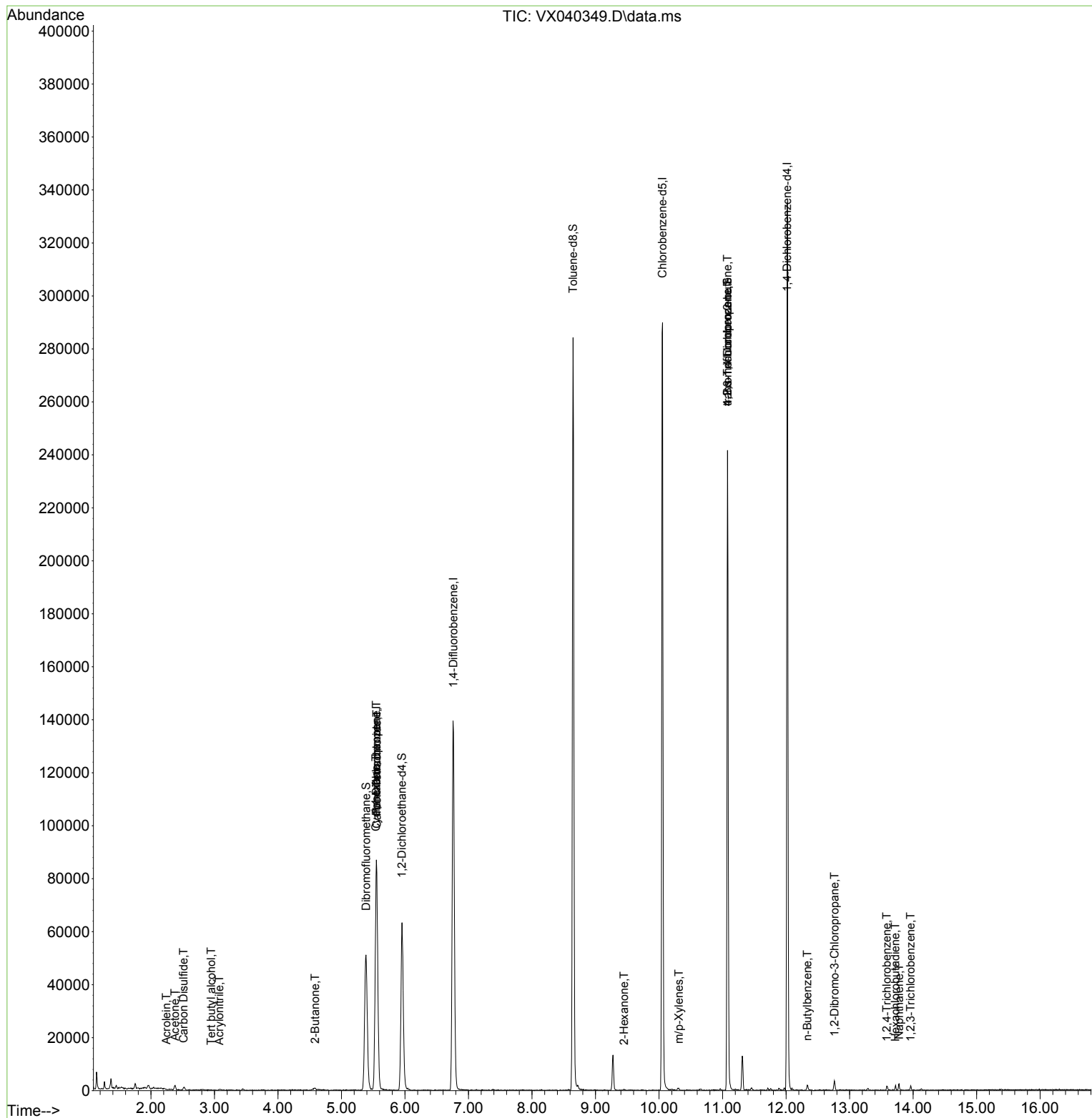
Internal Standards						
1) Pentafluorobenzene	5.550	168	76905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59055	51.616	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.240%			
35) Dibromofluoromethane	5.385	113	45585	47.557	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.120%			
50) Toluene-d8	8.647	98	165934	46.278	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.560%			
62) 4-Bromofluorobenzene	11.079	95	63098	43.148	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.300%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	124	0.556	ug/l #	78
13) Acrolein	2.239	56	79	0.384	ug/l #	14
15) Acrylonitrile	3.075	53	118	0.237	ug/l #	75
16) Acetone	2.380	43	2056	4.375	ug/l #	79
17) Carbon Disulfide	2.514	76	706	0.341	ug/l #	82
20) Methylene Chloride	2.800	84	103	Below Cal	#	38
25) 2-Butanone	4.587	43	295	0.402	ug/l #	51
31) Cyclohexane	5.544	56	2044	1.498	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	6795	5.061	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8329	6.524	ug/l #	16
59) 2-Hexanone	9.452	43	297	0.235	ug/l #	26
68) m/p-Xylenes	10.311	106	367	0.203	ug/l #	73
76) 1,2,3-Trichloropropane	11.079	75	34944	27.123	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	34944	74.307	ug/l #	5
89) n-Butylbenzene	12.335	91	1044	0.278	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	12.762	75	83	0.223	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.585	180	568	0.409	ug/l	95
94) Hexachlorobutadiene	13.719	225	314	0.566	ug/l	89
95) Naphthalene	13.780	128	1866	0.425	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.963	180	485	0.366	ug/l	86

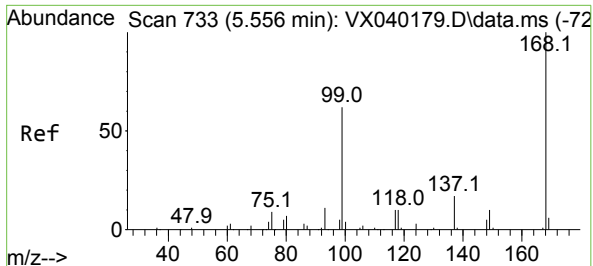
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
BP-VPB-195-GW-880-882

Quant Time: Feb 21 01:11:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration

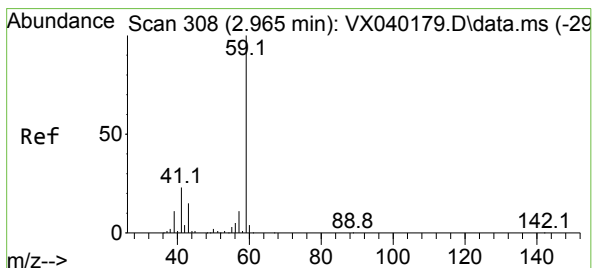
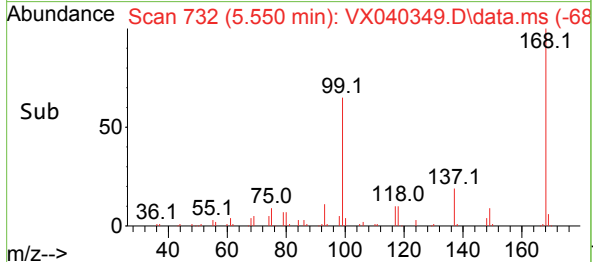
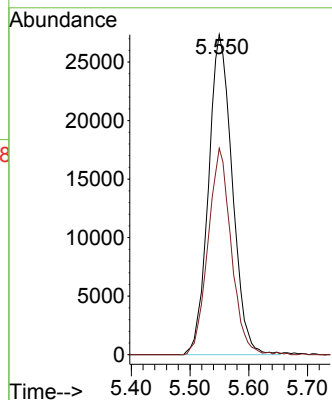
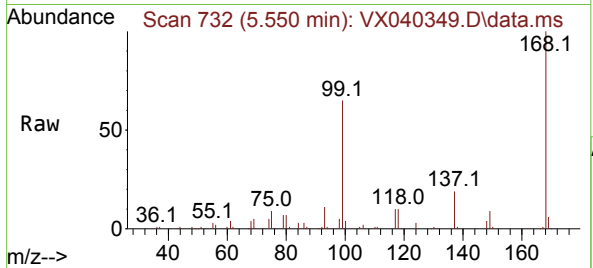




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

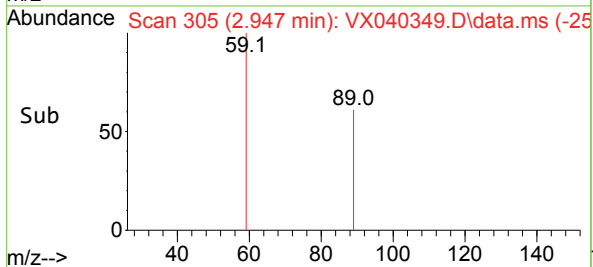
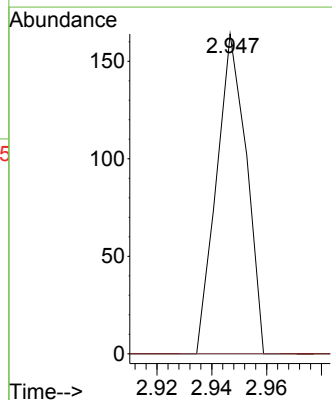
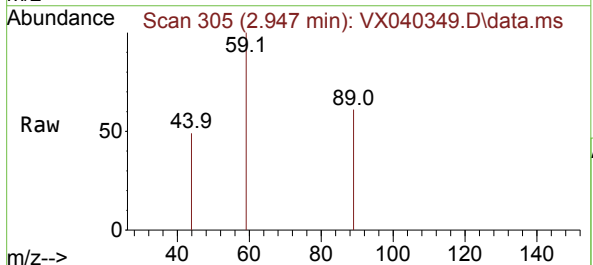
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

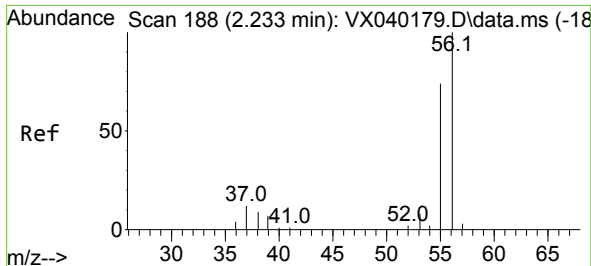
Tgt Ion:168 Resp: 76905
Ion Ratio Lower Upper
168 100
99 64.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.556 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.384 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040349.D

Acq: 20 Feb 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

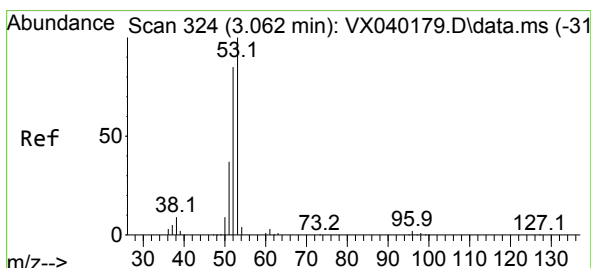
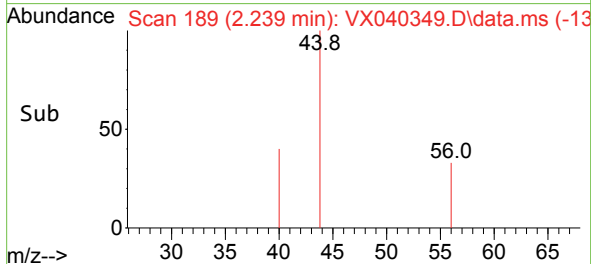
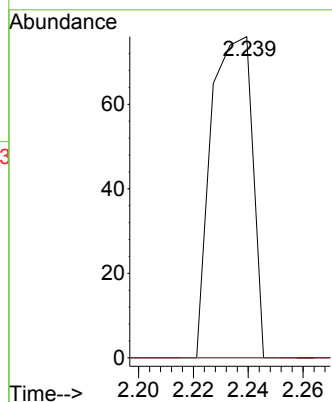
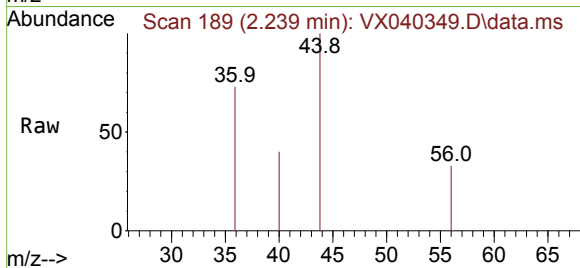
BP-VPB-195-GW-880-882

Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.237 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.012 min

Lab File: VX040349.D

Acq: 20 Feb 2024 12:22

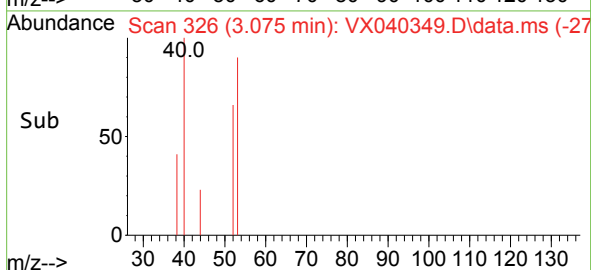
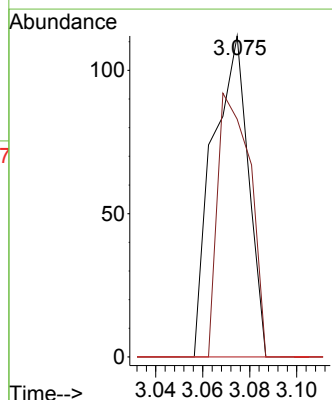
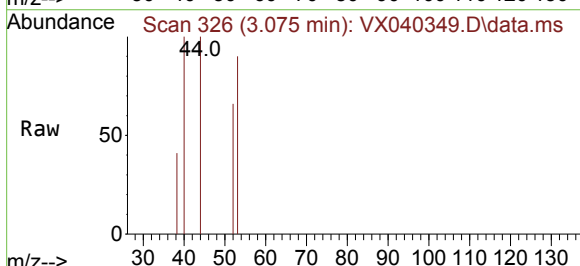
Tgt Ion: 53 Resp: 118

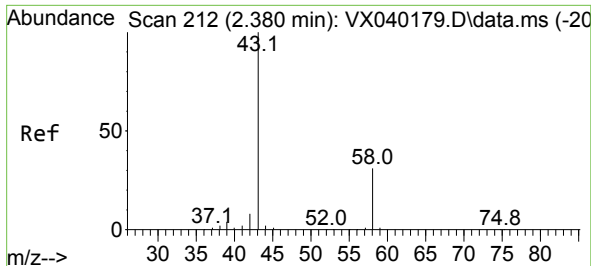
Ion Ratio Lower Upper

53 100

52 75.4 66.0 99.0

51 0.0 29.8 44.6#

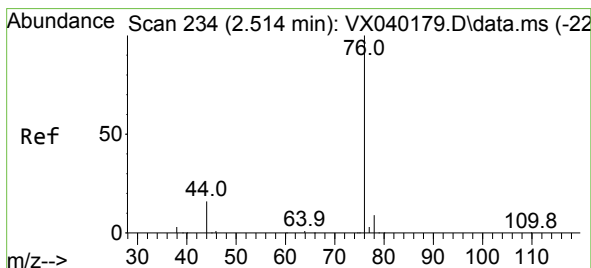
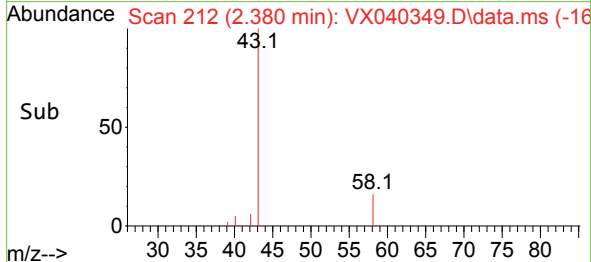
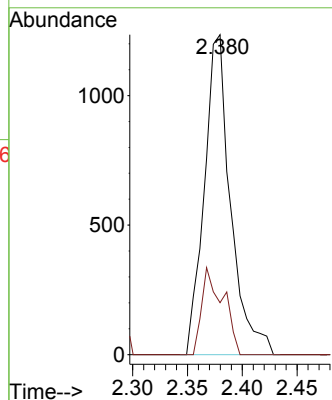
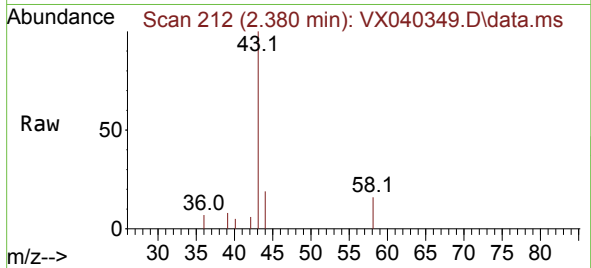




#16
Acetone
Concen: 4.375 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

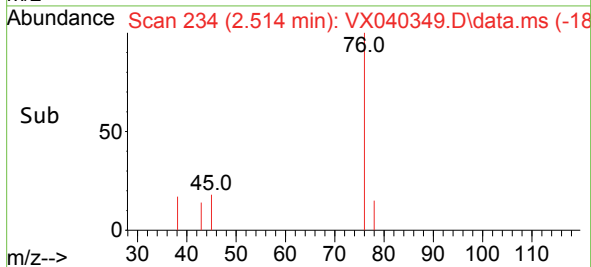
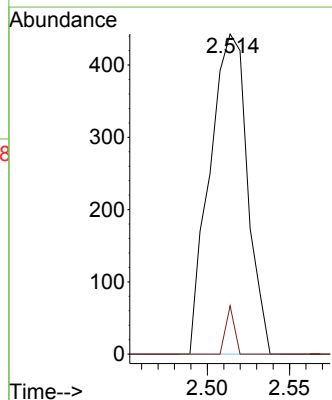
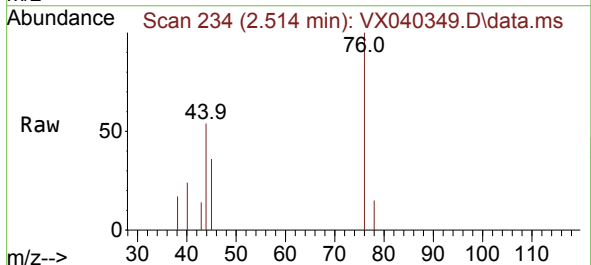
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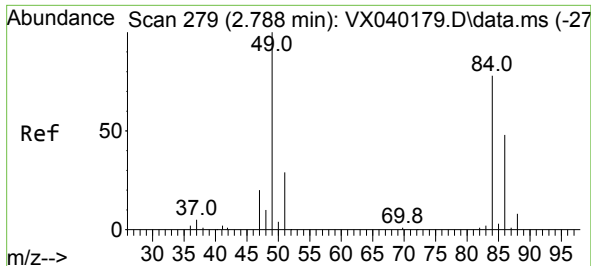
Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
58 16.3 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.341 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 76 Resp: 706
Ion Ratio Lower Upper
76 100
78 15.1 7.0 10.6#

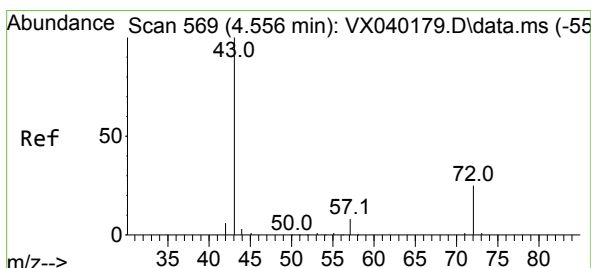
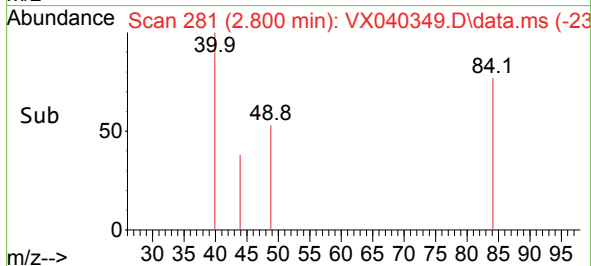
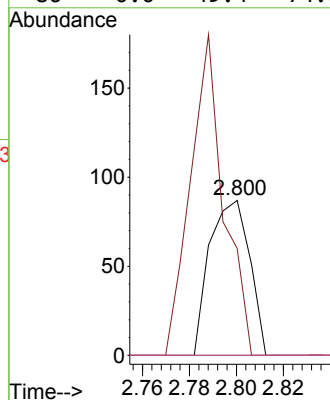
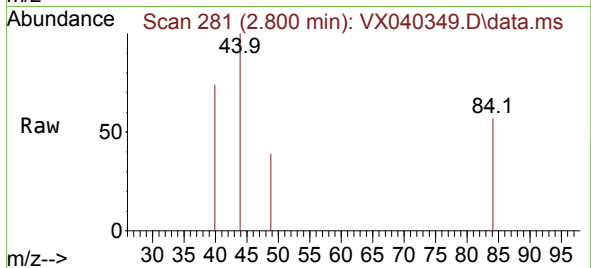




#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

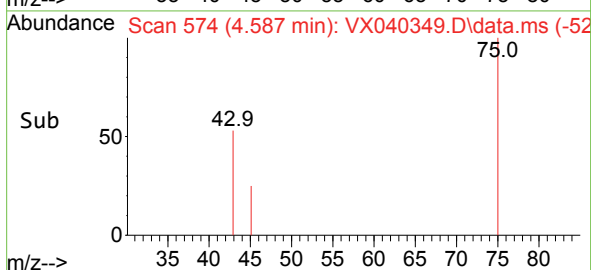
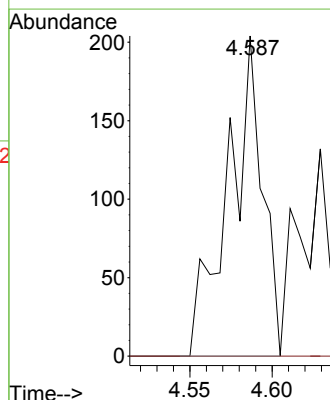
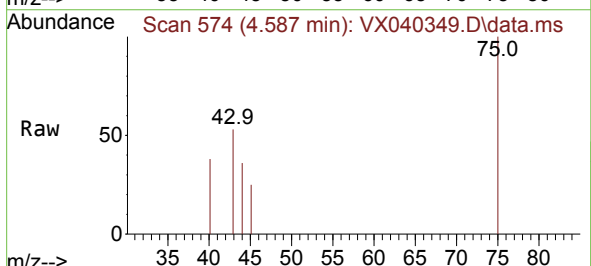
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

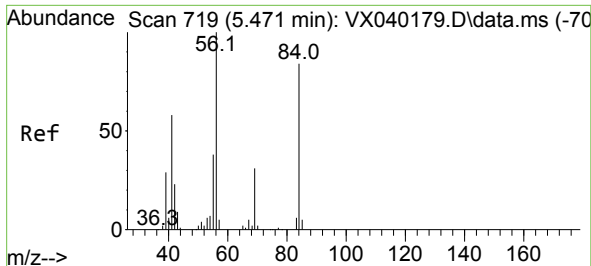
Tgt Ion: 84	Resp:	103
Ion	Ratio	Lower Upper
84	100	
49	69.0	103.6 155.4#
51	0.0	33.8 50.6#
86	0.0	49.4 74.0#



#25
2-Butanone
Concen: 0.402 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

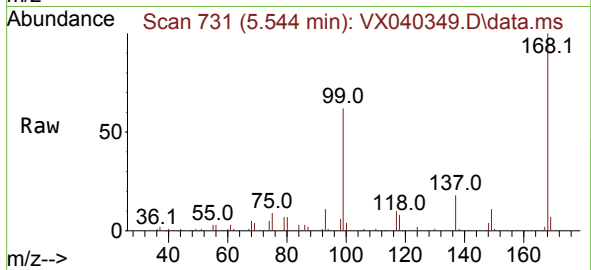
Tgt Ion: 43	Resp:	295
Ion	Ratio	Lower Upper
43	100	
72	0.0	19.4 29.2#



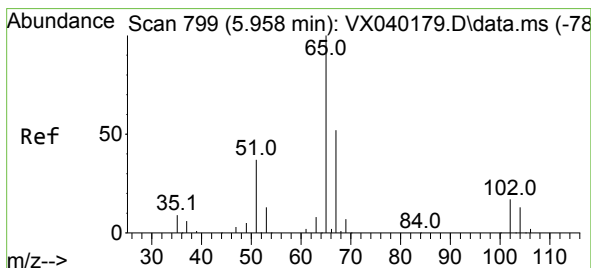
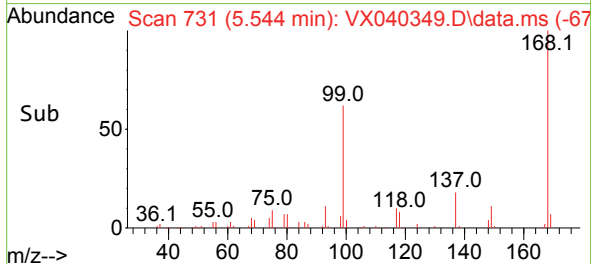
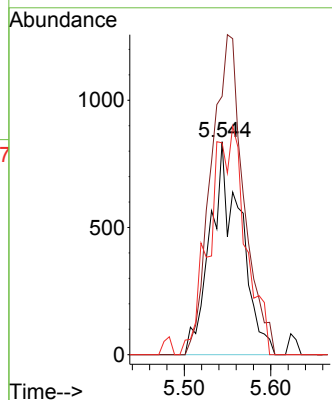


#31
Cyclohexane
Concen: 1.498 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

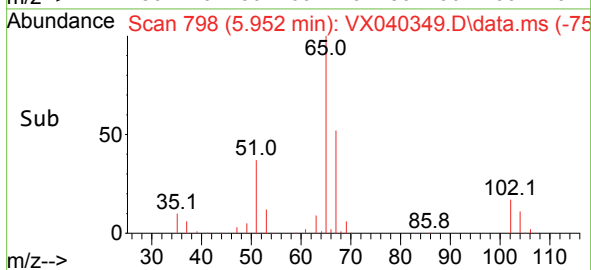
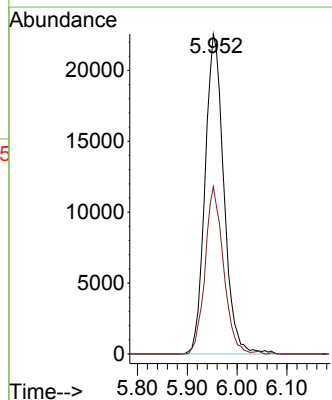
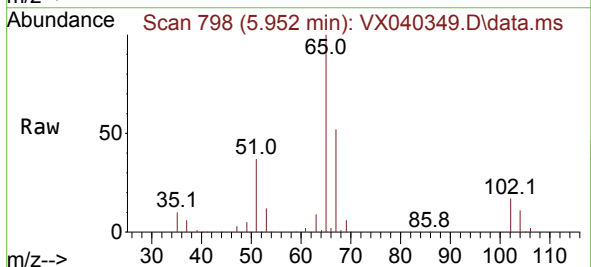


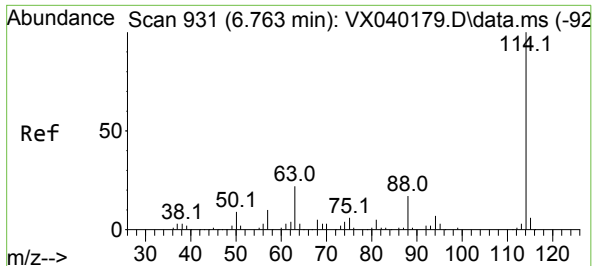
Tgt Ion: 56 Resp: 2044
Ion Ratio Lower Upper
56 100
69 121.4 23.4 35.2#
84 99.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.616 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 65 Resp: 59055
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

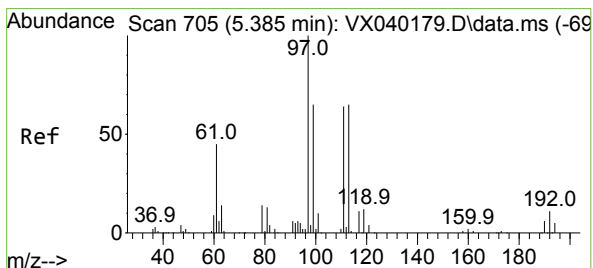
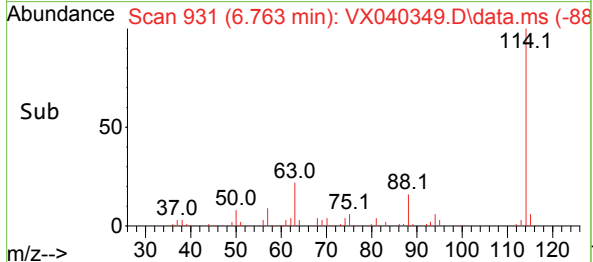
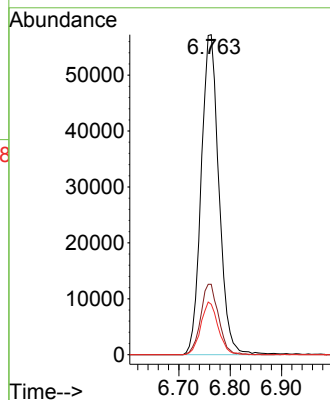
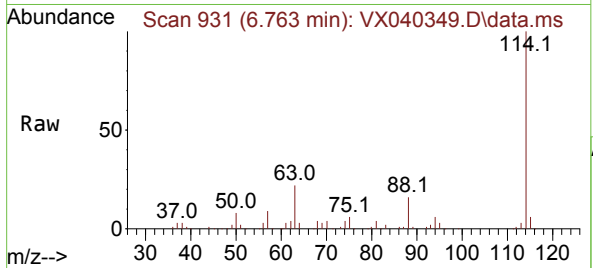




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

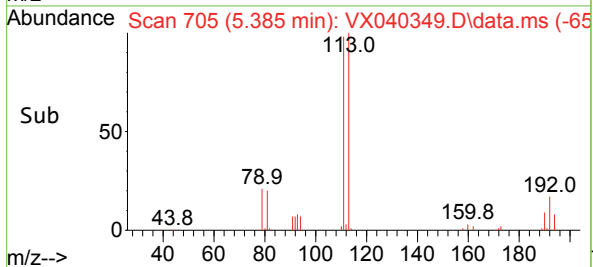
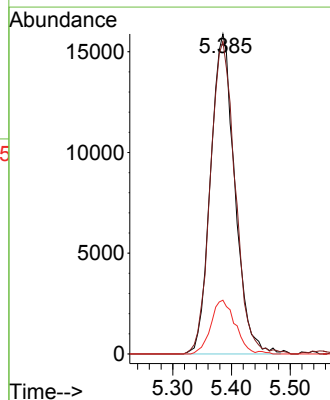
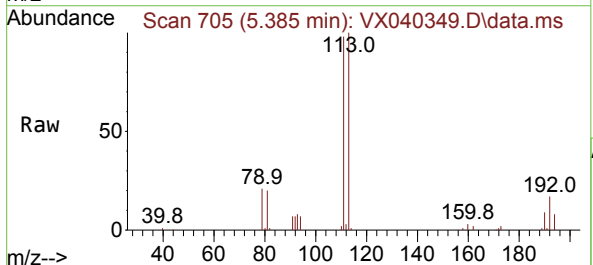
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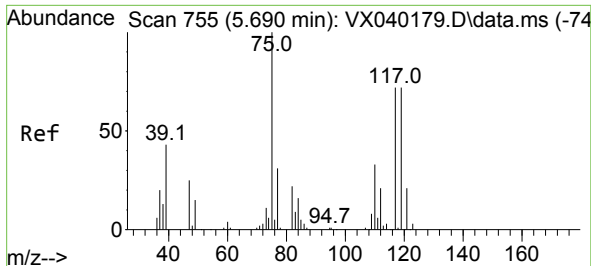
Tgt Ion:114 Resp: 137258
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.557 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion:113 Resp: 45585
Ion Ratio Lower Upper
113 100
111 100.0 82.9 124.3
192 16.7 13.3 19.9

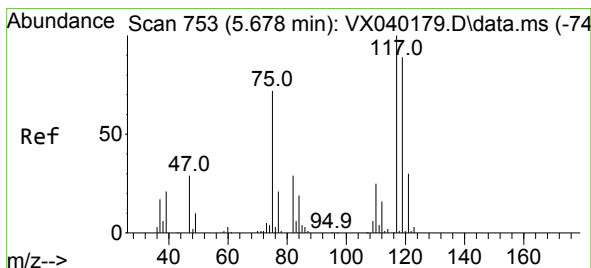
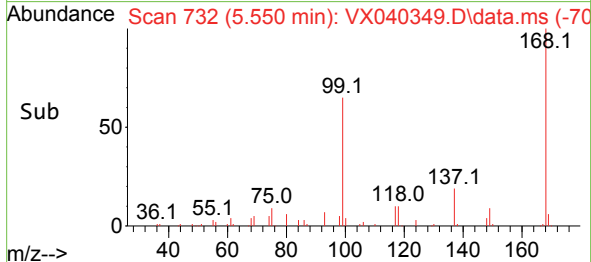
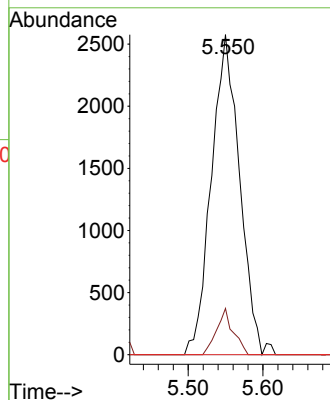
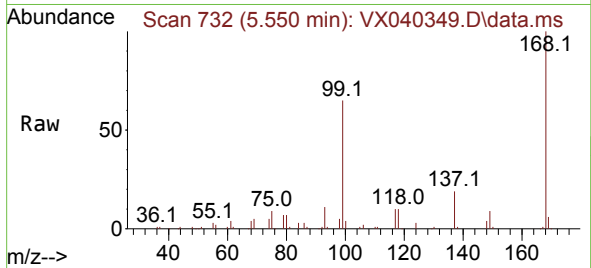




#36
1,1-Dichloropropene
Concen: 5.061 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

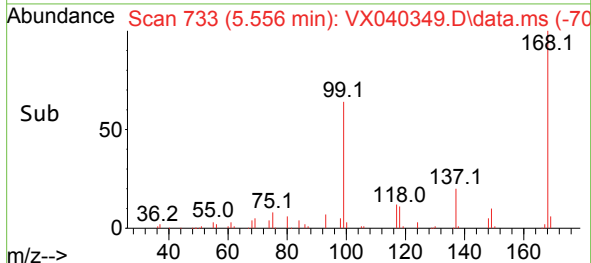
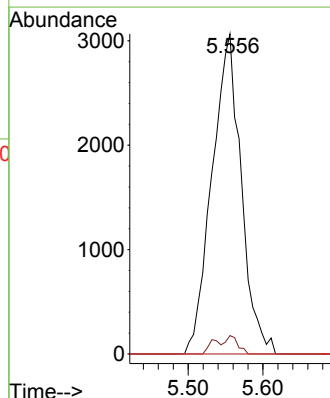
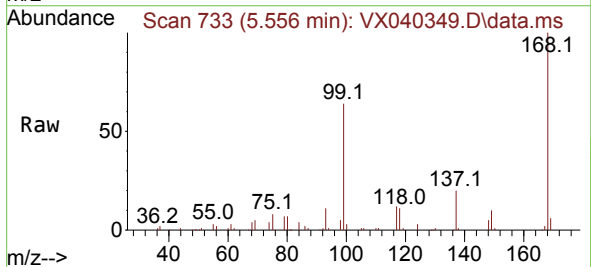
Instrument :
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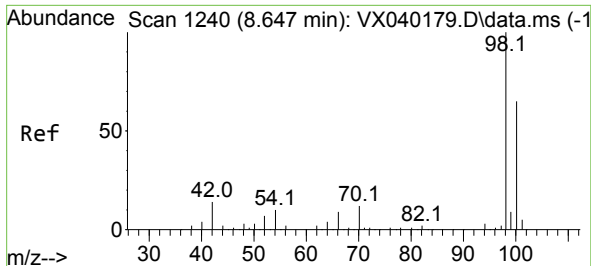
Tgt Ion: 75 Resp: 6795
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.524 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 117 Resp: 8329
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

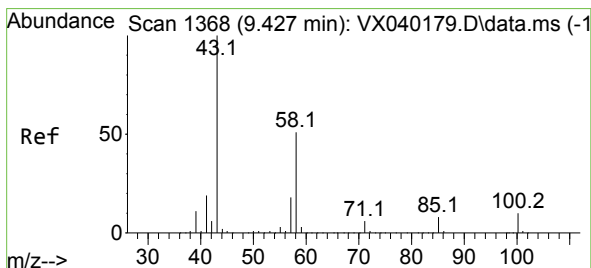
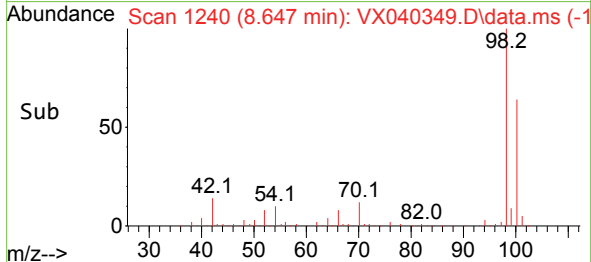
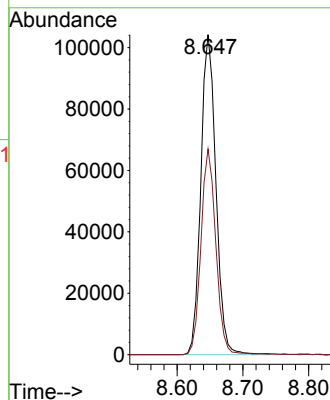
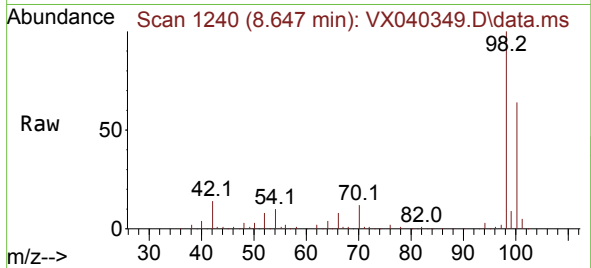




#50
Toluene-d8
Concen: 46.278 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

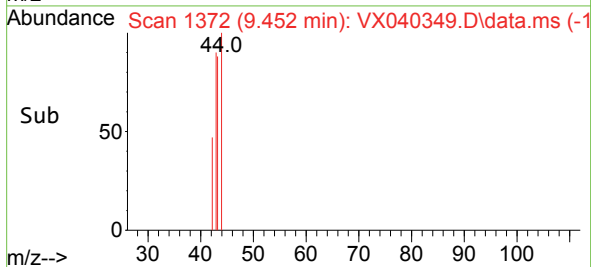
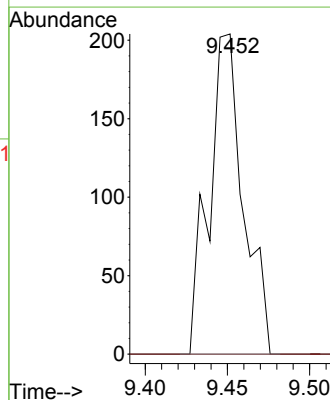
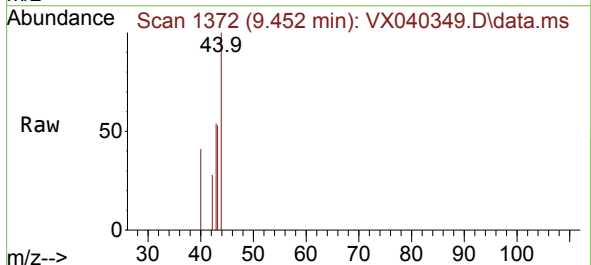
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

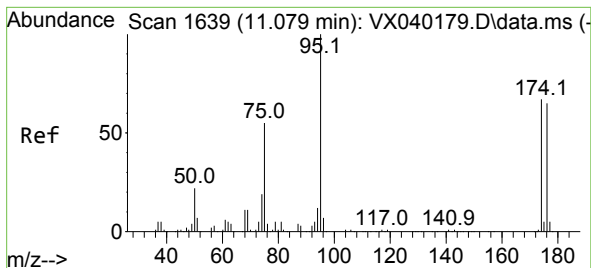
Tgt Ion: 98 Resp: 165934
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7



#59
2-Hexanone
Concen: 0.235 ug/l
RT: 9.452 min Scan# 1372
Delta R.T. 0.025 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

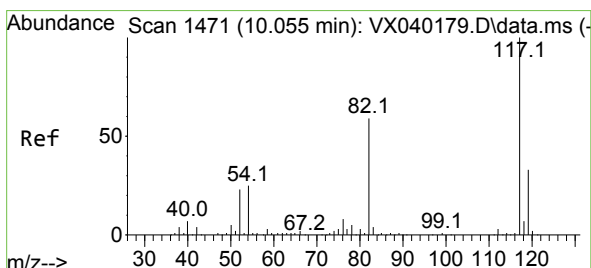
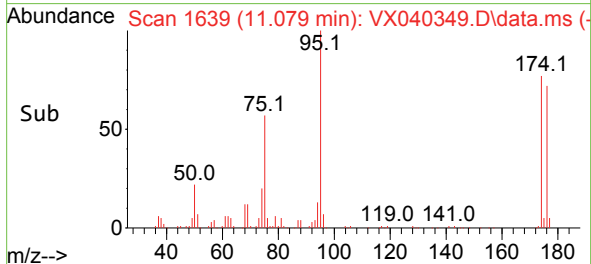
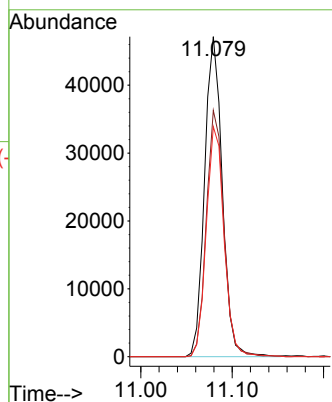
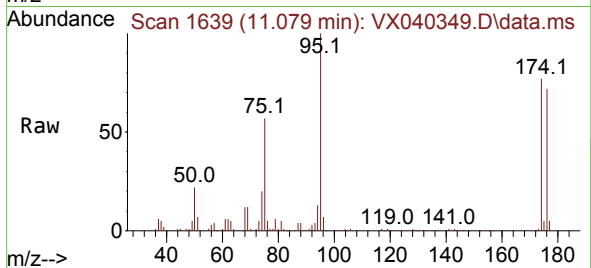




#62
4-Bromofluorobenzene
Concen: 43.148 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

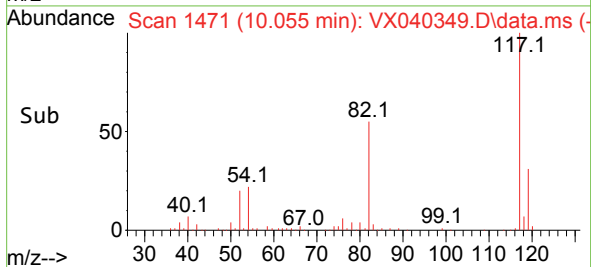
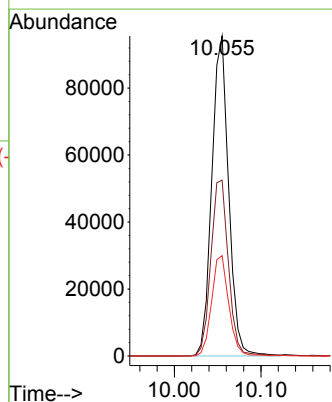
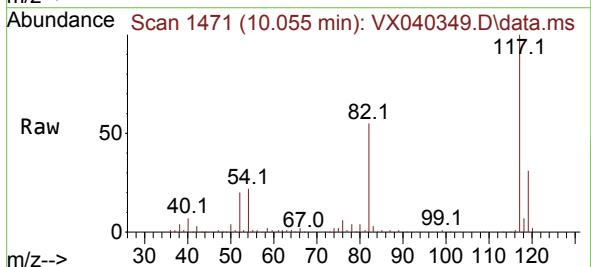
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

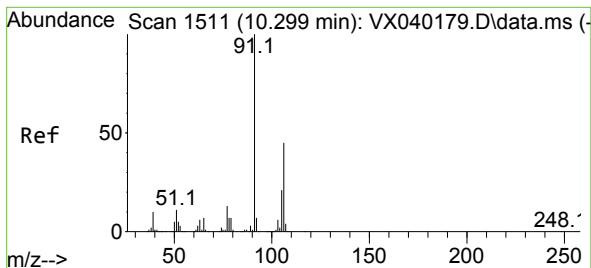
Tgt Ion: 95 Resp: 63098
Ion Ratio Lower Upper
95 100
174 76.7 0.0 135.6
176 72.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 117 Resp: 128959
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 31.3 25.5 38.3

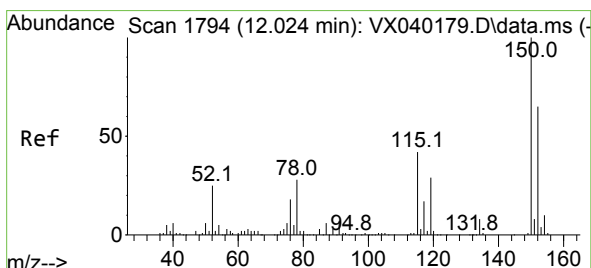
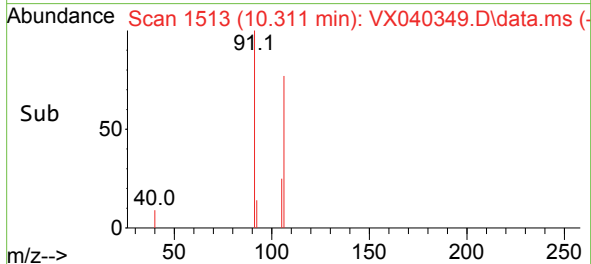
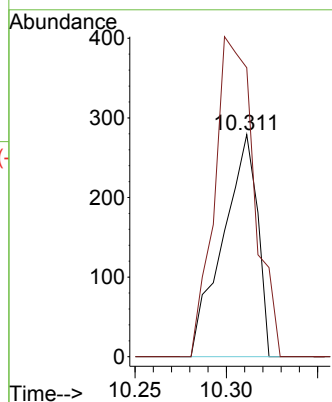
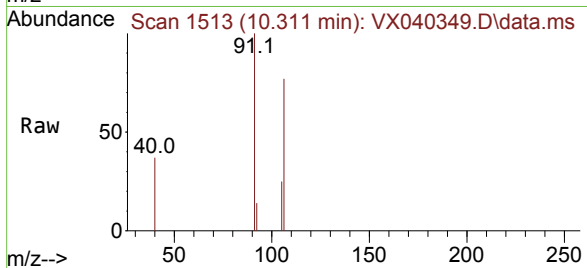




#68
m/p-Xylenes
Concen: 0.203 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

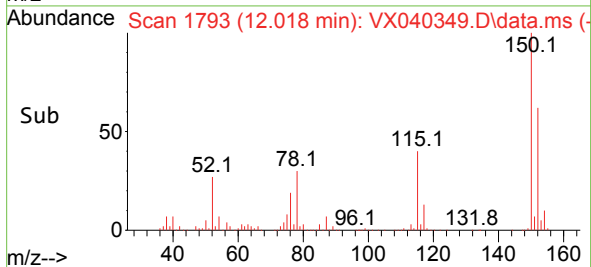
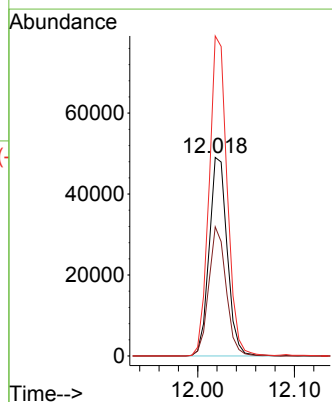
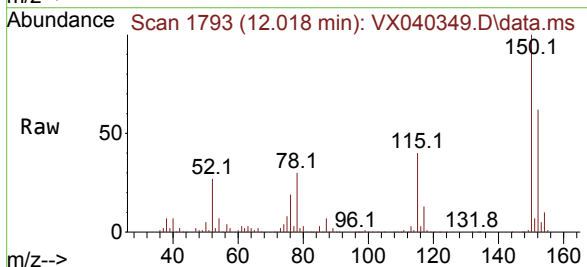
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

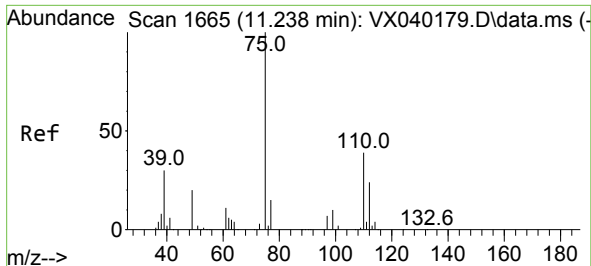
Tgt Ion:106 Resp: 367
Ion Ratio Lower Upper
106 100
91 164.9 165.5 248.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion:152 Resp: 63621
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 161.3 0.0 345.0

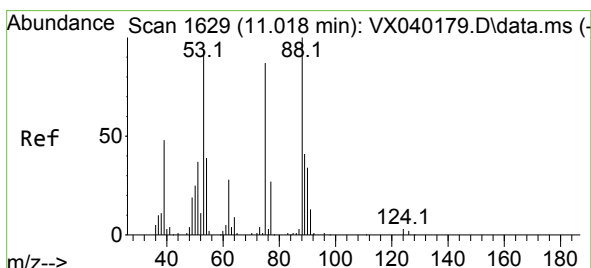
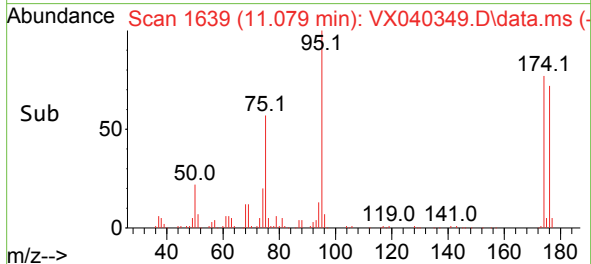
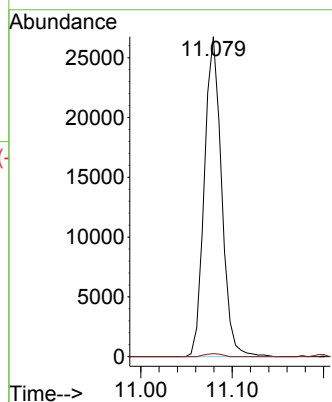
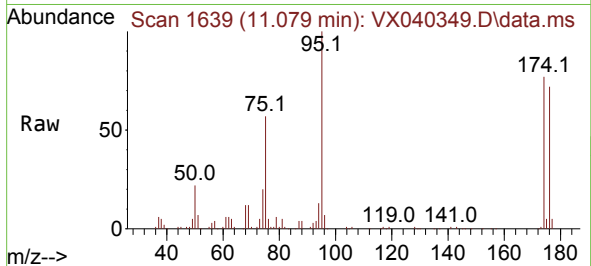




#76
1,2,3-Trichloropropane
Concen: 27.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

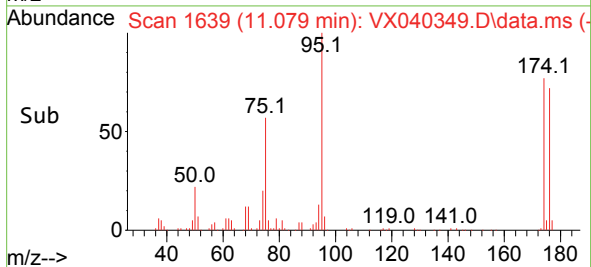
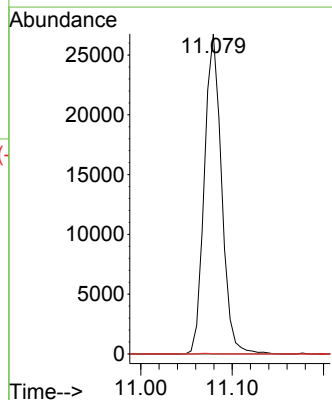
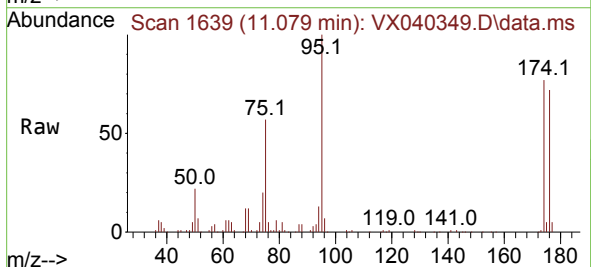
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

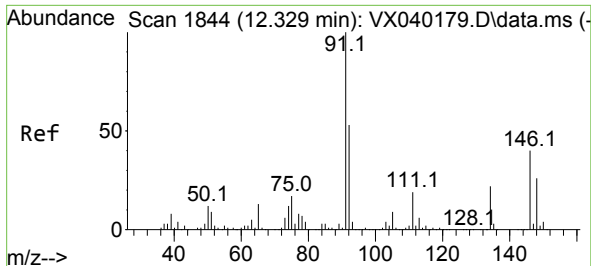
Tgt Ion: 75 Resp: 34944
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 75 Resp: 34944
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

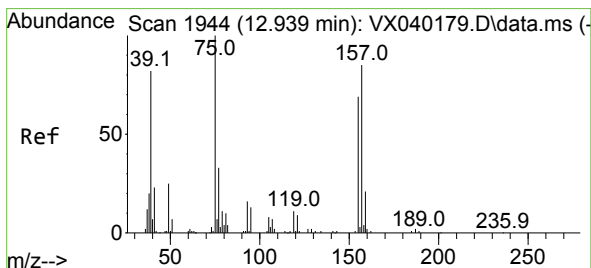
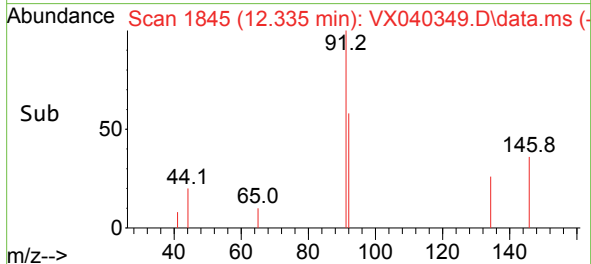
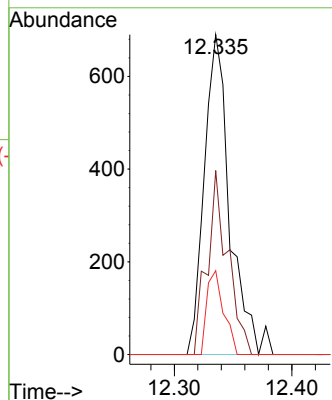
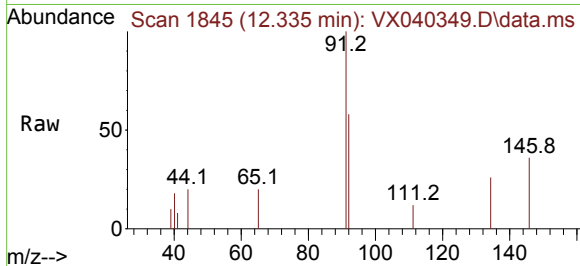




#89
n-Butylbenzene
Concen: 0.278 ug/l
RT: 12.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

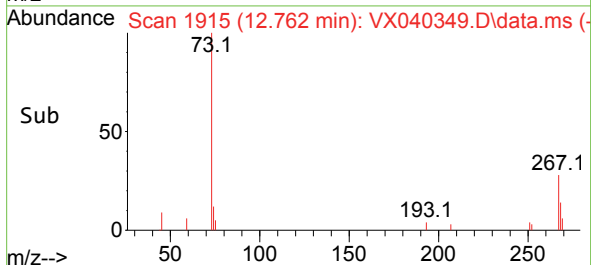
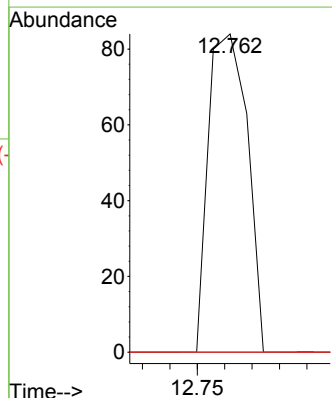
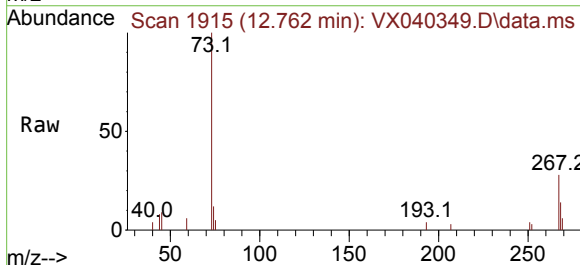
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-195-GW-880-882

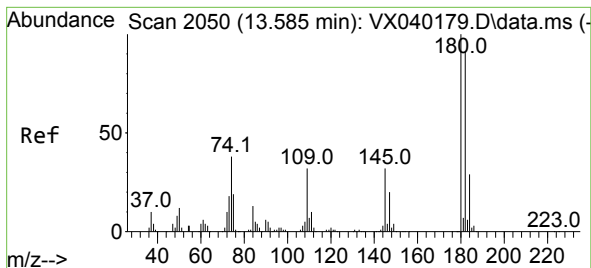
Tgt Ion: 91 Resp: 1044
Ion Ratio Lower Upper
91 100
92 46.2 27.4 82.0
134 17.1 12.6 37.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.223 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.183 min
Lab File: VX040349.D
Acq: 20 Feb 2024 12:22

Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#





#93

1,2,4-Trichlorobenzene

Concen: 0.409 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX040349.D

Acq: 20 Feb 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-195-GW-880-882

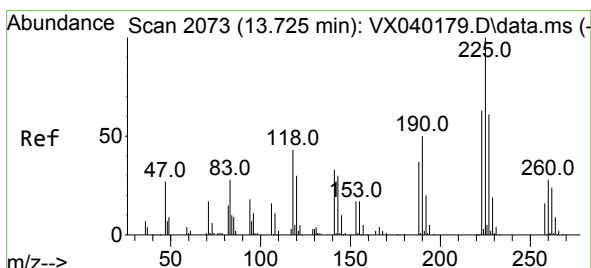
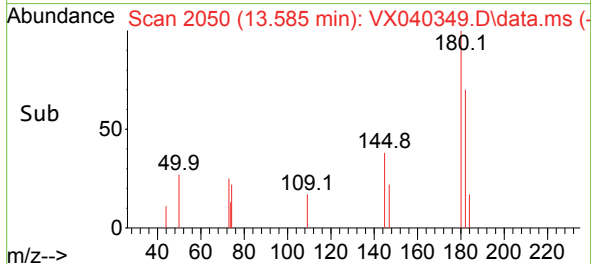
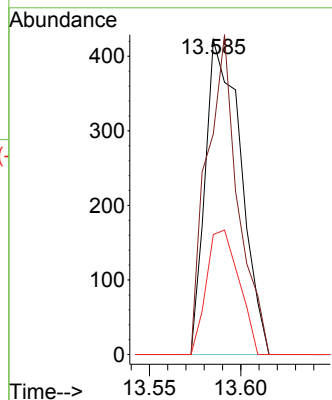
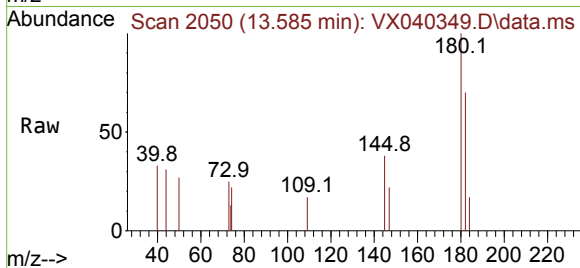
Tgt Ion:180 Resp: 568

Ion Ratio Lower Upper

180 100

182 89.4 48.3 144.8

145 36.4 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.566 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX040349.D

Acq: 20 Feb 2024 12:22

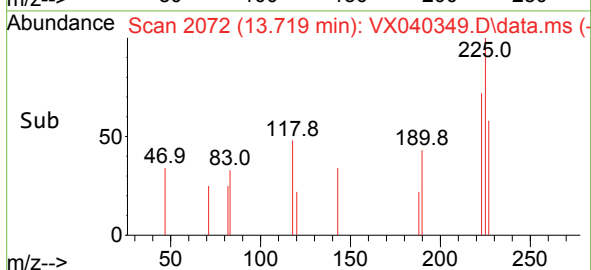
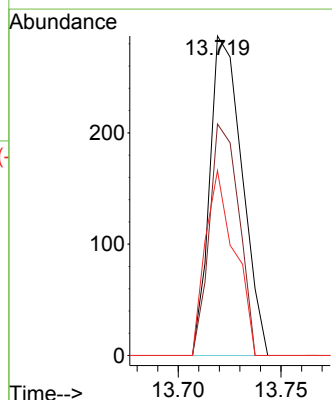
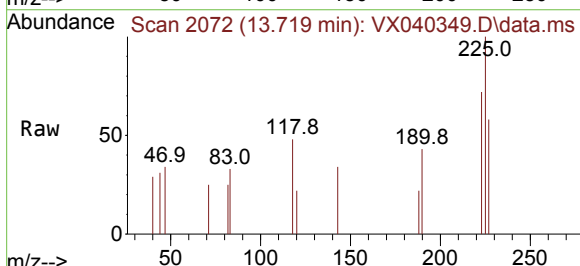
Tgt Ion:225 Resp: 314

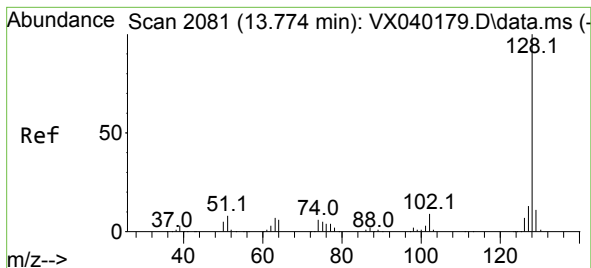
Ion Ratio Lower Upper

225 100

223 66.2 31.1 93.2

227 52.5 32.5 97.5





#95

Naphthalene

Concen: 0.425 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX040349.D

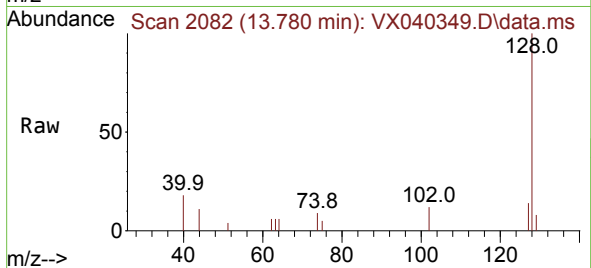
Acq: 20 Feb 2024 12:22

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-195-GW-880-882



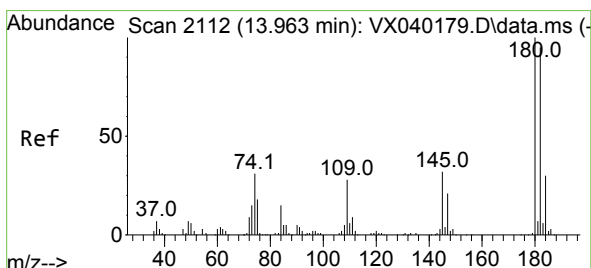
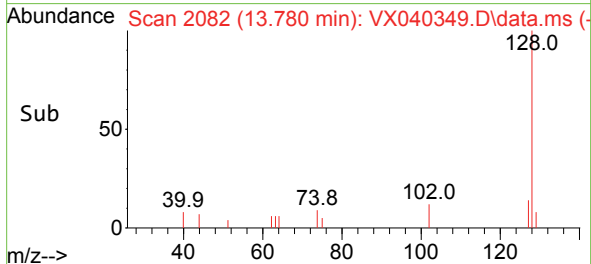
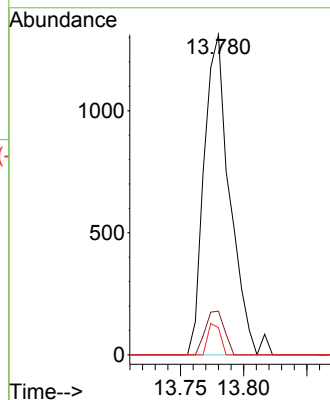
Tgt Ion:128 Resp: 1866

Ion Ratio Lower Upper

128 100

127 10.1 10.3 15.5#

129 4.7 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.366 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX040349.D

Acq: 20 Feb 2024 12:22

Tgt Ion:180 Resp: 485

Ion Ratio Lower Upper

180 100

182 76.9 46.9 140.6

145 32.6 17.8 53.5

