

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040200.D
 Acq On : 12 Feb 2024 15:28
 Operator : JC/MD
 Sample : P1438-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-191-GW-698-700

Quant Time: Feb 12 16:17:11 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)

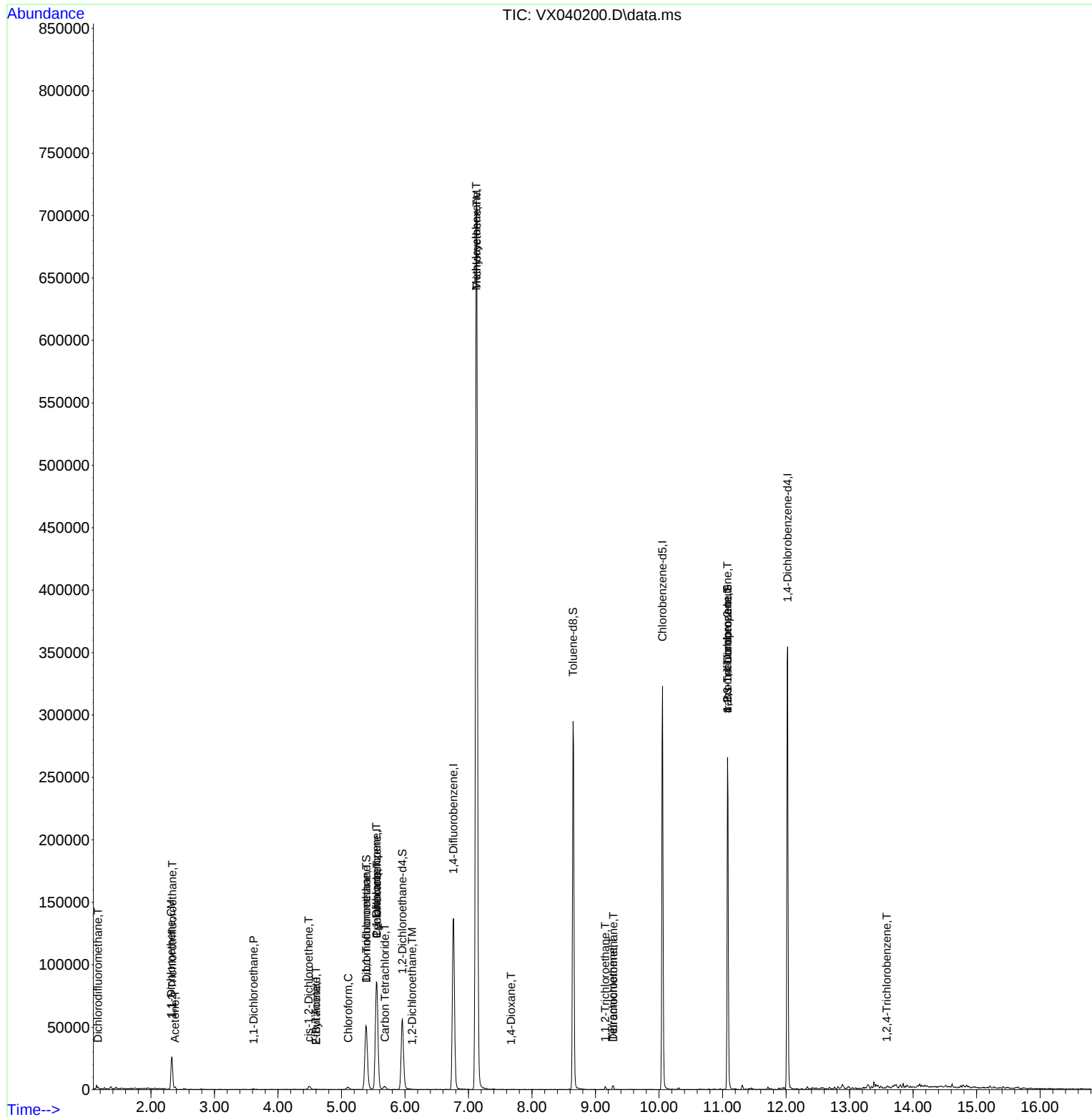
Internal Standards						
1) Pentafluorobenzene	5.556	168	83247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	141320	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54513	44.016	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.040%
35) Dibromofluoromethane	5.391	113	43472	44.049	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.100%
50) Toluene-d8	8.647	98	174695	47.321	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.640%
62) 4-Bromofluorobenzene	11.079	95	70122	46.573	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	674	0.717	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	8514	9.645	ug/l	97
12) 1,1-Dichloroethene	2.318	96	3000	3.530	ug/l #	71
16) Acetone	2.379	43	1963	3.859	ug/l	100
20) Methylene Chloride	2.794	84	191	Below Cal	#	47
24) 1,1-Dichloroethane	3.617	63	836	0.480	ug/l #	74
25) 2-Butanone	4.599	43	348	0.438	ug/l #	51
27) cis-1,2-Dichloroethene	4.483	96	1810	1.639	ug/l	76
30) Chloroform	5.105	83	2209	1.173	ug/l	95
31) Cyclohexane	5.556	56	2083	1.410	ug/l #	28
32) 1,1,1-Trichloroethane	5.391	97	420	0.265	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	6800	4.919	ug/l #	51
37) Ethyl Acetate	4.599	43	348	0.226	ug/l #	69
38) Carbon Tetrachloride	5.684	117	2077	1.580	ug/l	93
39) Methylcyclohexane	7.122	83	3579	2.228	ug/l #	1
42) 1,2-Dichloroethane	6.110	62	375	0.248	ug/l #	77
44) Trichloroethene	7.129	130	272307	255.348	ug/l	100
49) 1,4-Dioxane	7.671	88	57	2.132	ug/l #	46
55) 1,1,2-Trichloroethane	9.153	97	813	0.753	ug/l	96
60) Dibromochloromethane	9.281	129	294	0.267	ug/l #	11
64) Tetrachloroethene	9.275	164	385	0.395	ug/l #	68
76) 1,2,3-Trichloropropane	11.079	75	37255	25.007	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	37255	68.788	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	500	0.311	ug/l #	65

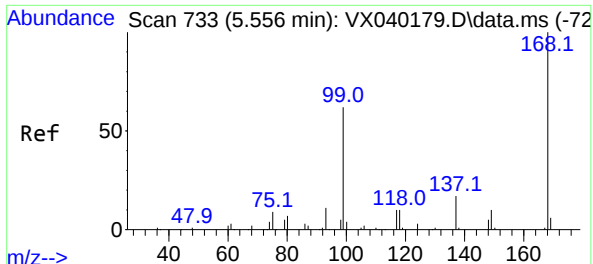
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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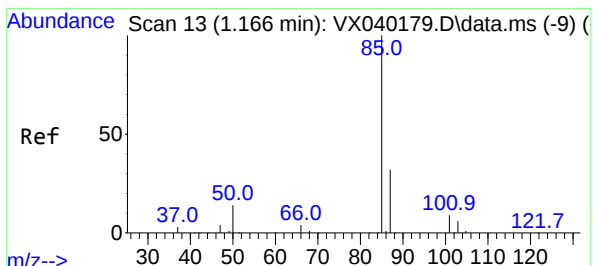
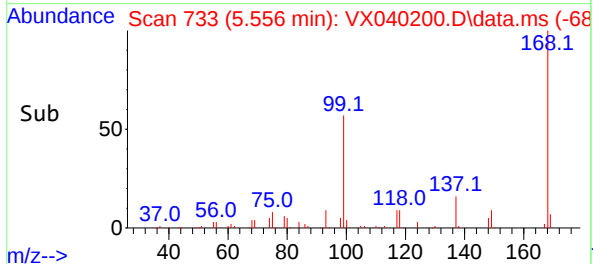
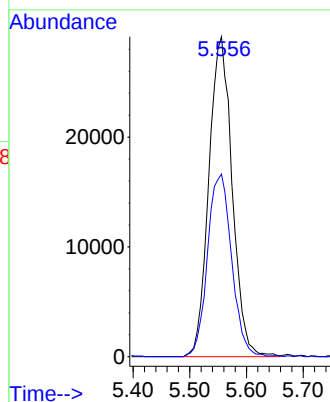
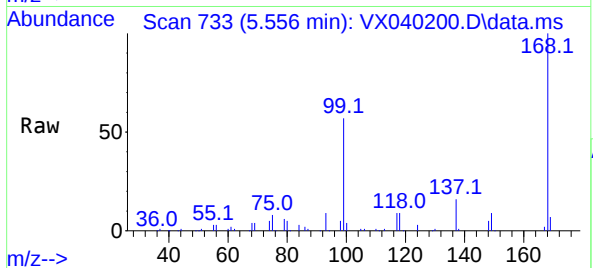




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

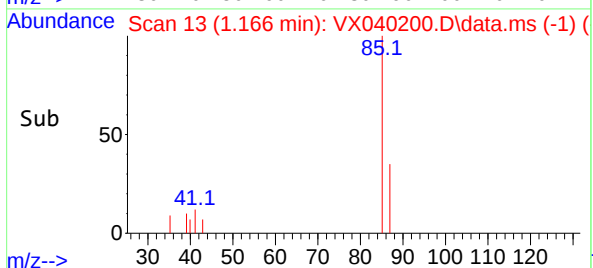
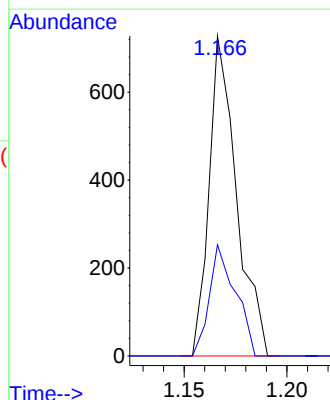
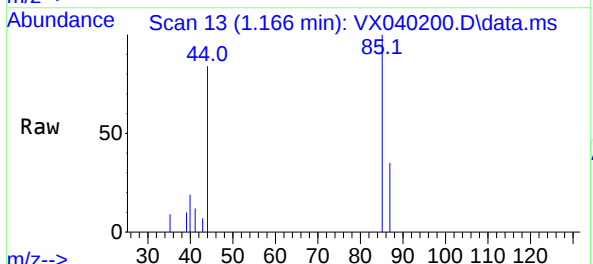
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

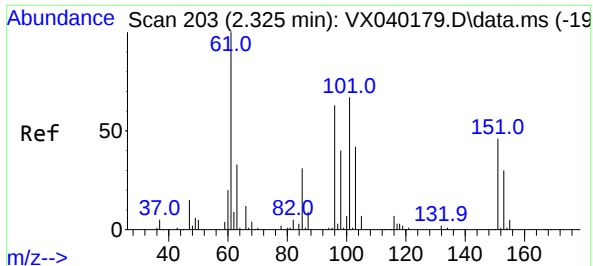
Tgt Ion:168 Resp: 83247
Ion Ratio Lower Upper
168 100
99 57.1 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.717 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 85 Resp: 674
Ion Ratio Lower Upper
85 100
87 34.8 16.7 50.1



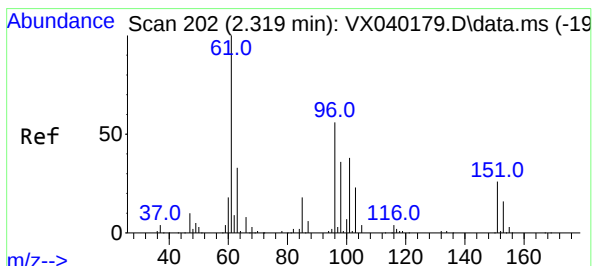
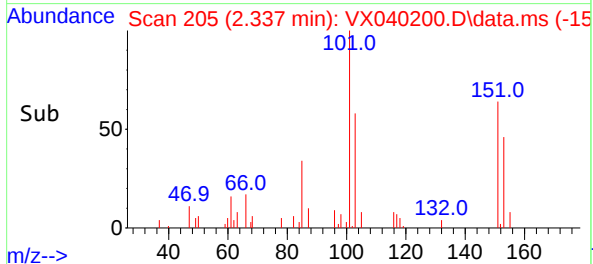
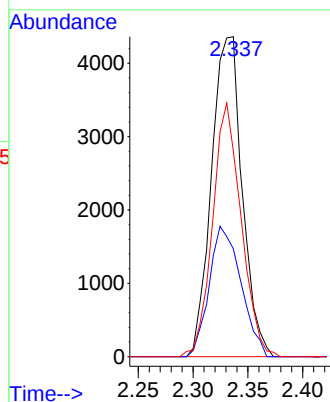
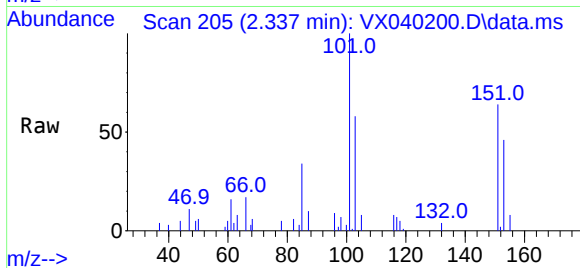


#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.645 ug/l
RT: 2.337 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

Tgt Ion:101 Resp: 8514

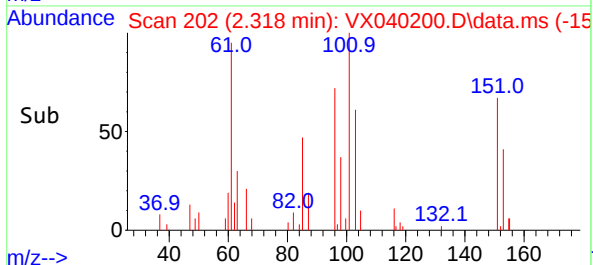
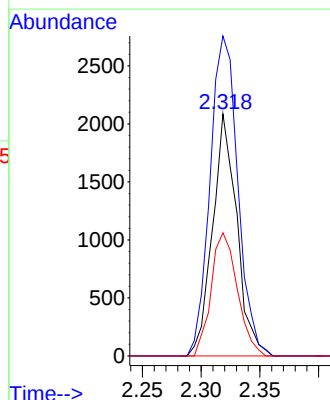
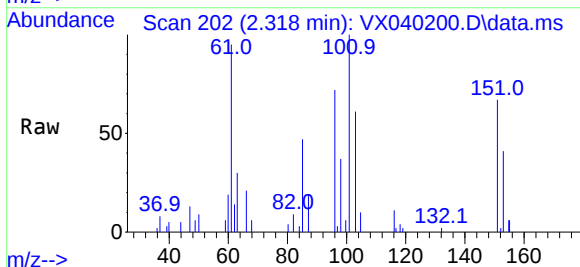
Ion	Ratio	Lower	Upper
101	100		
85	42.0	37.0	55.6
151	73.5	58.6	87.8

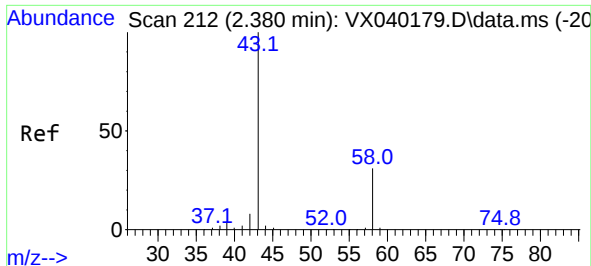


#12
1,1-Dichloroethene
Concen: 3.530 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 96 Resp: 3000

Ion	Ratio	Lower	Upper
96	100		
61	132.2	144.6	216.8#
98	50.9	50.4	75.6

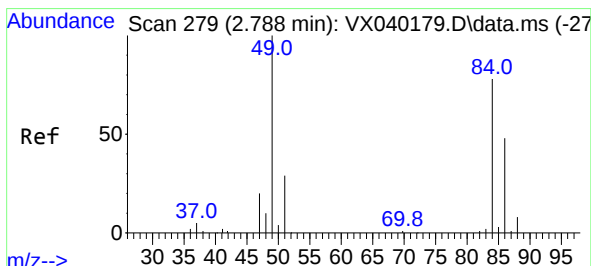
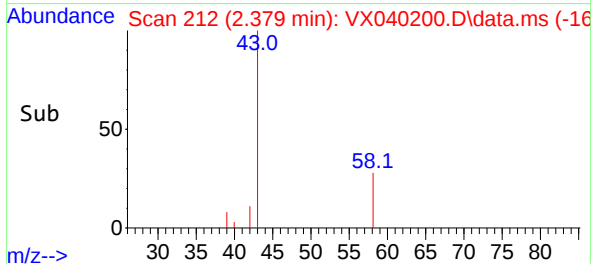
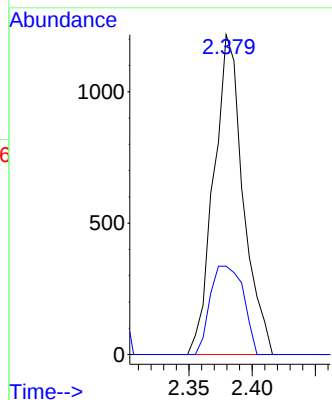
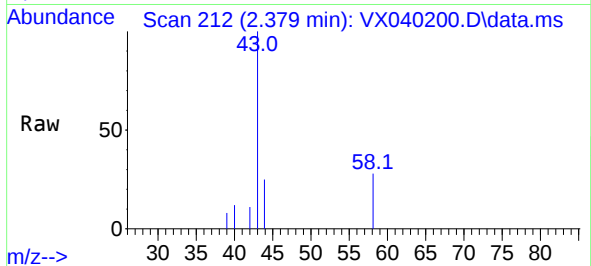




#16
Acetone
Concen: 3.859 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

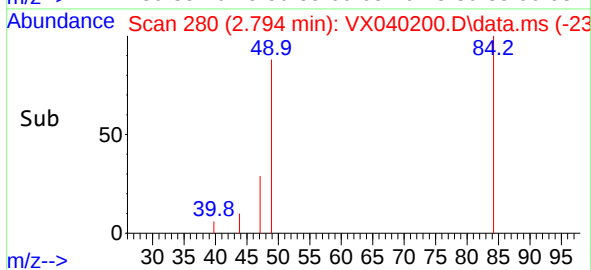
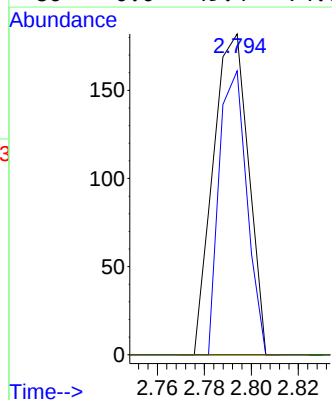
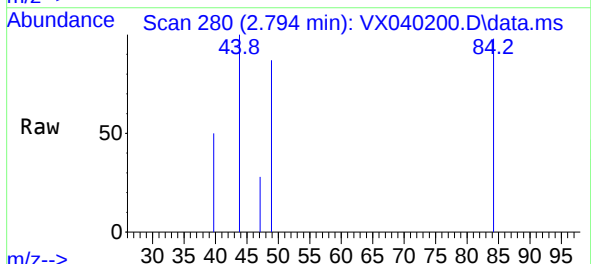
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

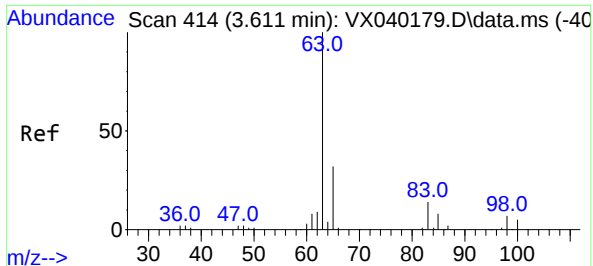
Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
58 27.6 21.9 32.9



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 84 Resp: 191
Ion Ratio Lower Upper
84 100
49 88.5 103.6 155.4#
51 0.0 33.8 50.6#
86 0.0 49.4 74.0#

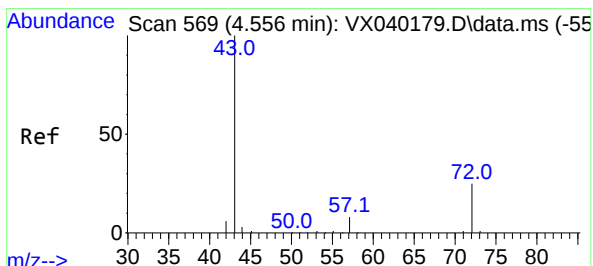
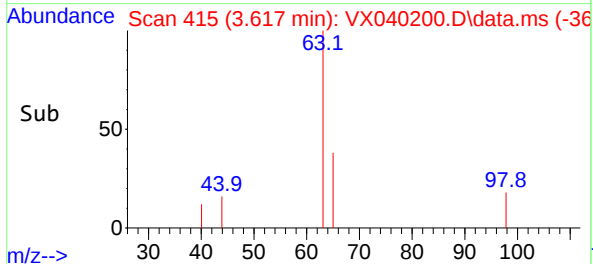
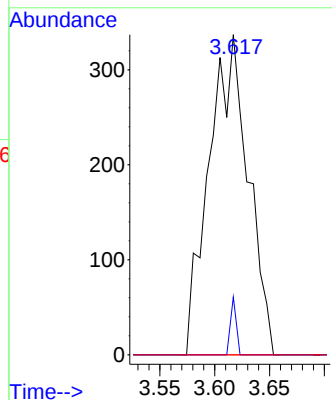
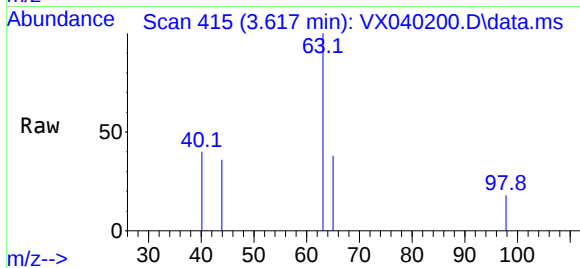




#24
1,1-Dichloroethane
Concen: 0.480 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

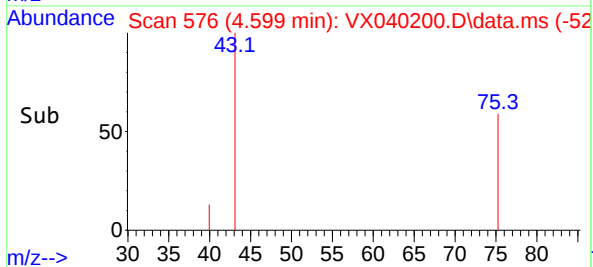
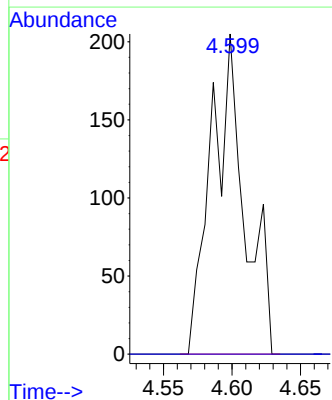
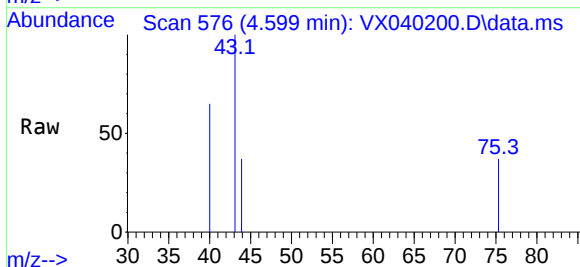
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

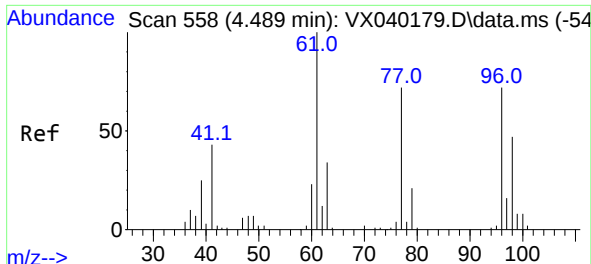
Tgt Ion: 63 Resp: 836
Ion Ratio Lower Upper
63 100
98 18.1 3.3 9.8#
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 0.438 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 1.639 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX040200.D

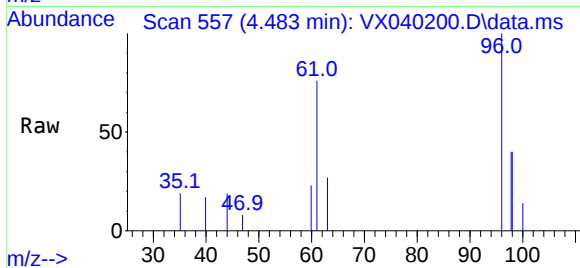
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Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-698-700



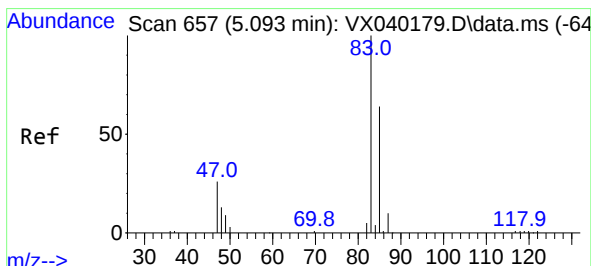
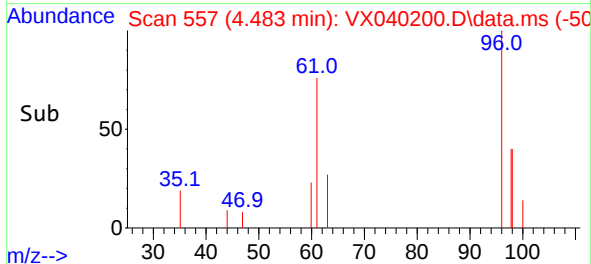
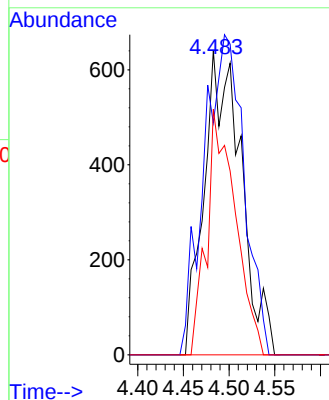
Tgt Ion: 96 Resp: 1810

Ion Ratio Lower Upper

96 100

61 112.8 0.0 312.2

98 62.1 0.0 129.0



#30

Chloroform

Concen: 1.173 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX040200.D

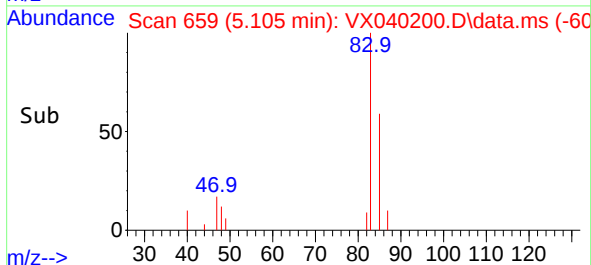
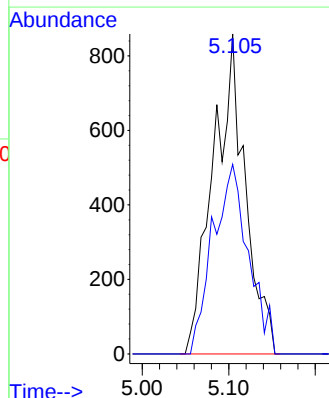
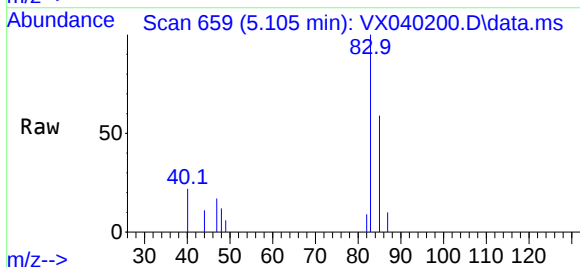
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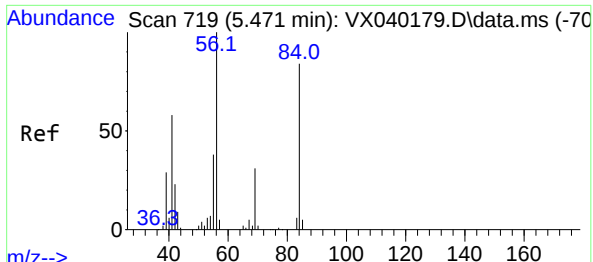
Tgt Ion: 83 Resp: 2209

Ion Ratio Lower Upper

83 100

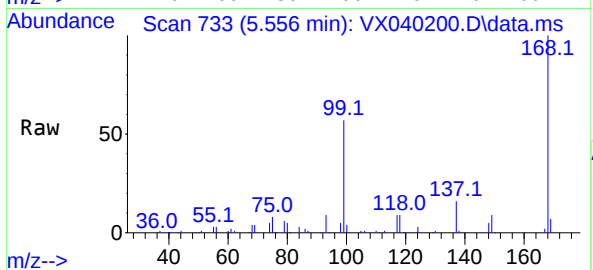
85 59.3 50.3 75.5



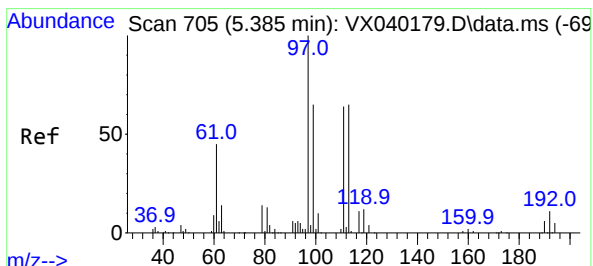
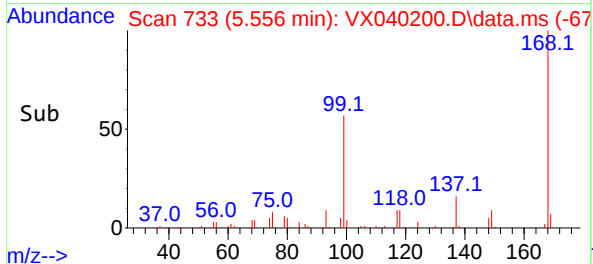
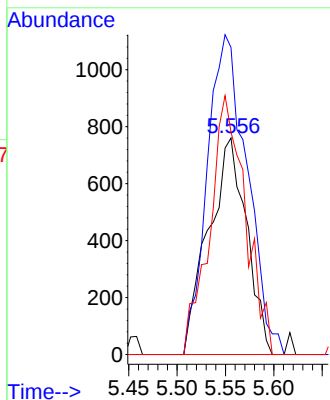


#31
Cyclohexane
Concen: 1.410 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Instrument :
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BP-VPB-191-GW-698-700

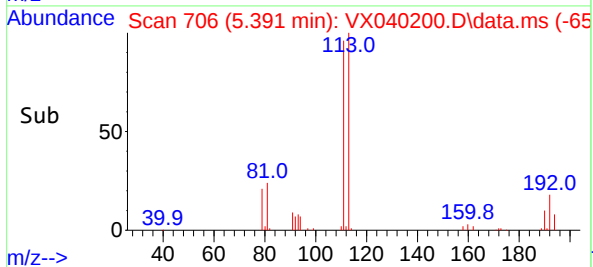
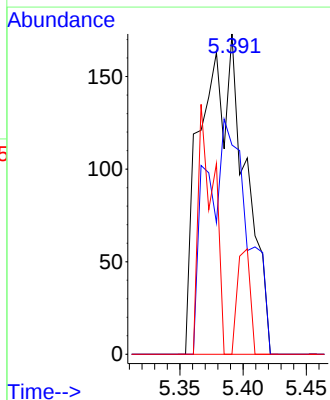
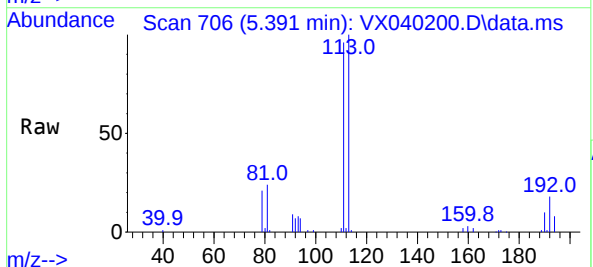


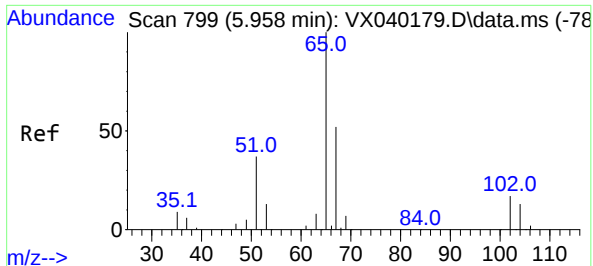
Tgt Ion: 56 Resp: 2083
Ion Ratio Lower Upper
56 100
69 141.8 23.4 35.2#
84 102.8 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.265 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 97 Resp: 420
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 0.0 36.4 54.6#





#33

1,2-Dichloroethane-d4

Concen: 44.016 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040200.D

Acq: 12 Feb 2024 15:28

Instrument :

MSVOA_X

ClientSampleId :

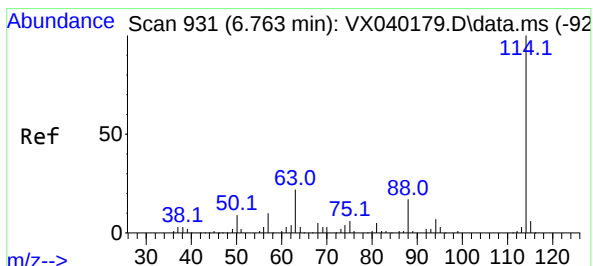
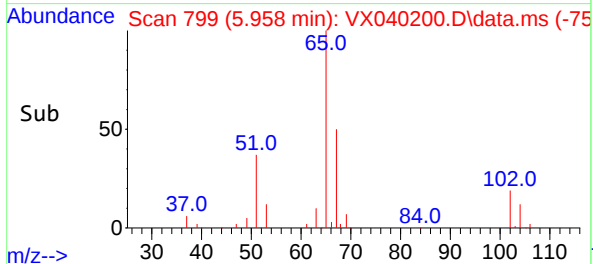
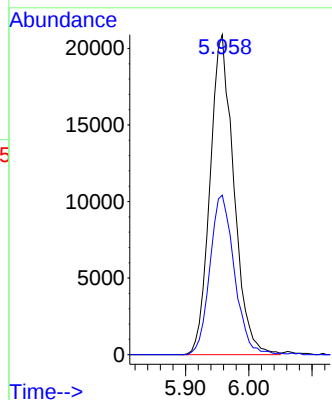
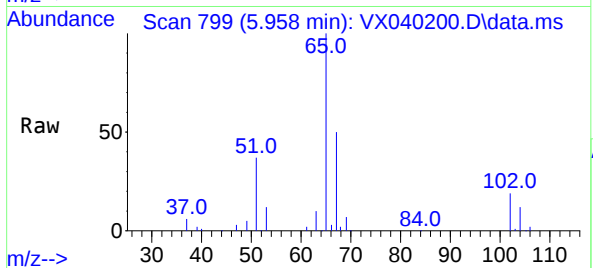
BP-VPB-191-GW-698-700

Tgt Ion: 65 Resp: 54513

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040200.D

Acq: 12 Feb 2024 15:28

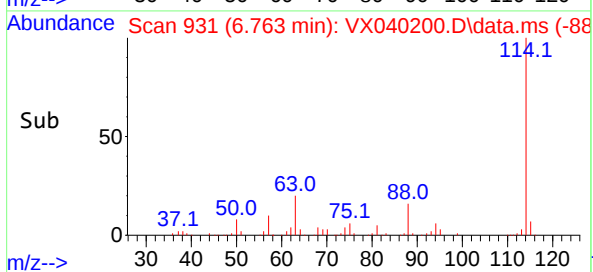
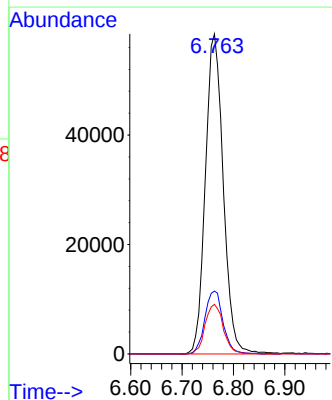
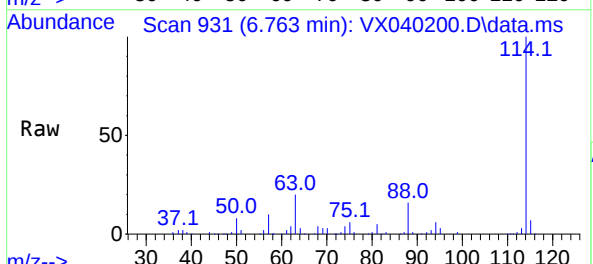
Tgt Ion: 114 Resp: 141320

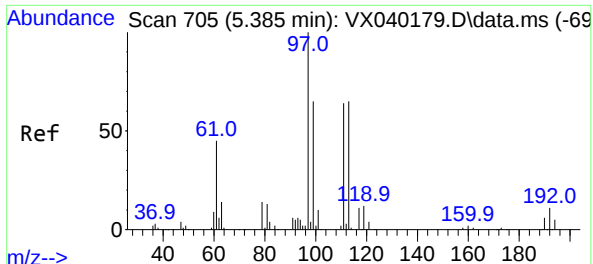
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

88 15.5 0.0 36.6

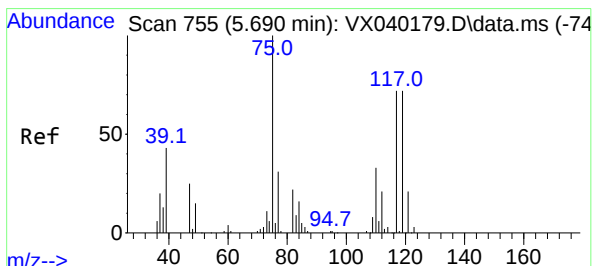
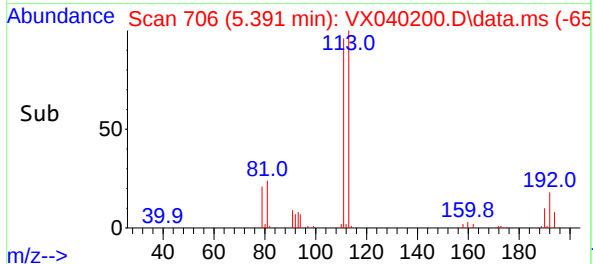
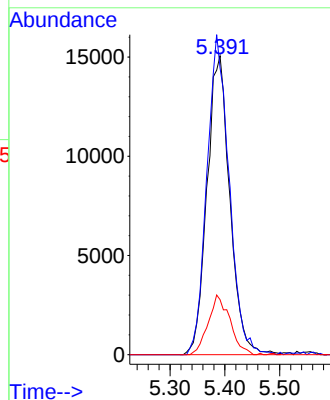
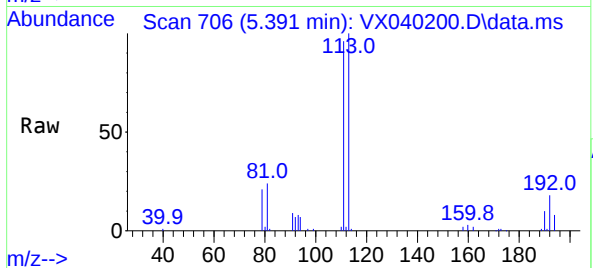




#35
Dibromofluoromethane
Concen: 44.049 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

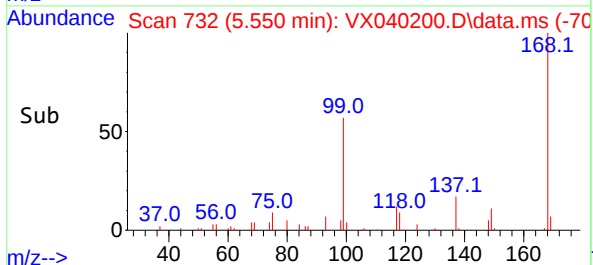
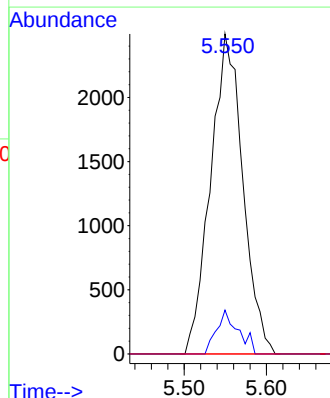
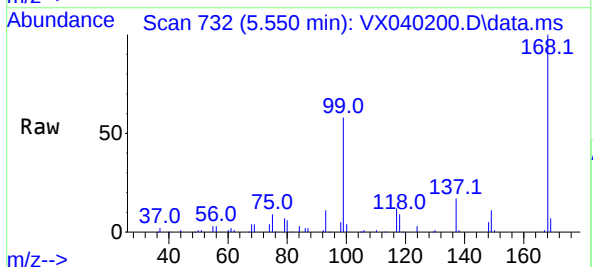
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

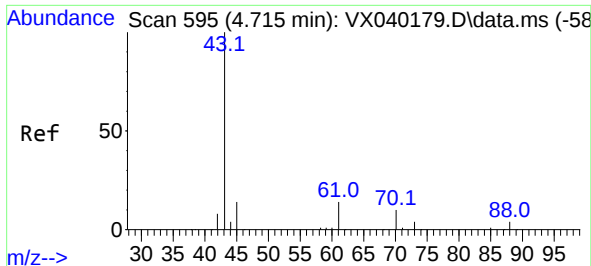
Tgt Ion:113 Resp: 43472
Ion Ratio Lower Upper
113 100
111 104.7 82.9 124.3
192 19.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.919 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 75 Resp: 6800
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.226 ug/l

RT: 4.599 min Scan# 51

Delta R.T. -0.122 min

Lab File: VX040200.D

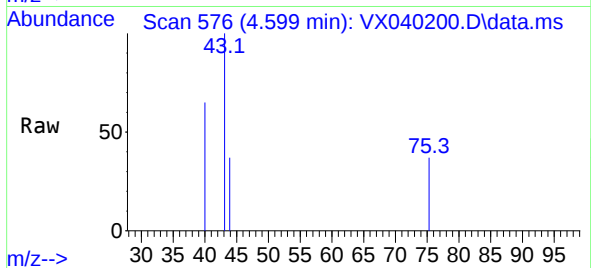
Acq: 12 Feb 2024 15:28

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-698-700



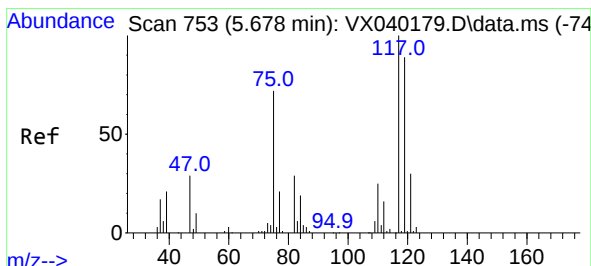
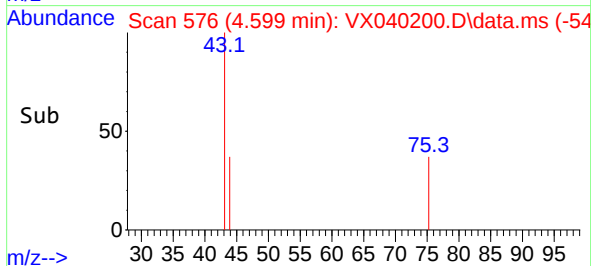
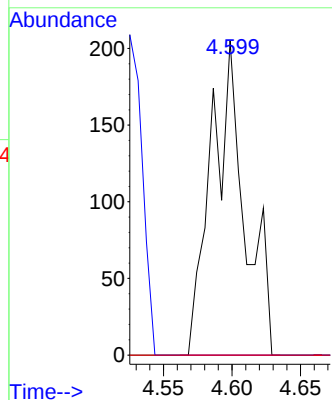
Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 1.580 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.012 min

Lab File: VX040200.D

Acq: 12 Feb 2024 15:28

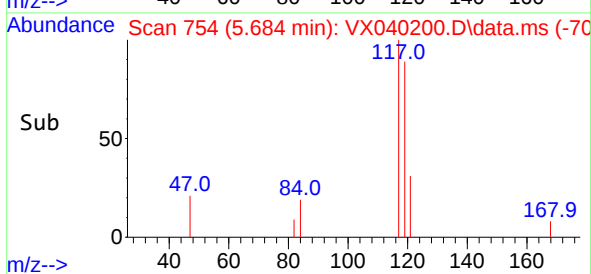
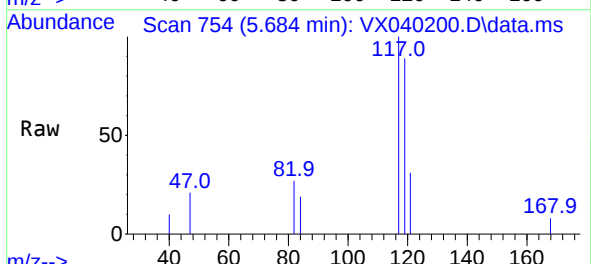
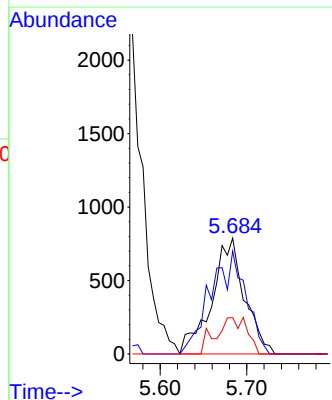
Tgt Ion: 117 Resp: 2077

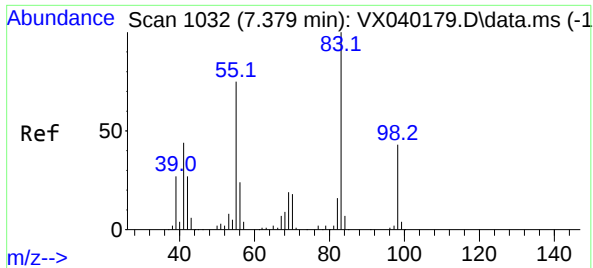
Ion Ratio Lower Upper

117 100

119 88.8 78.2 117.2

121 31.3 24.4 36.6

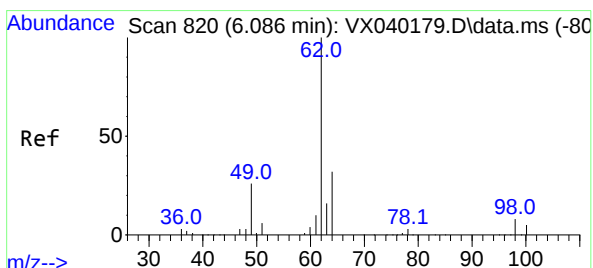
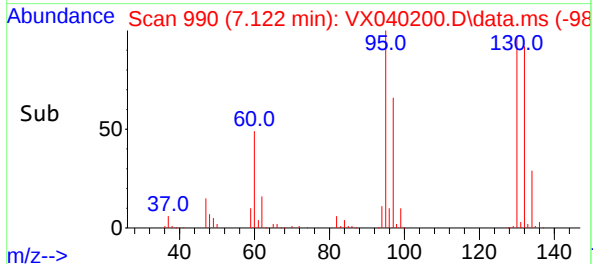
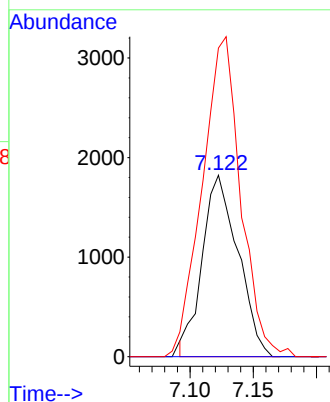
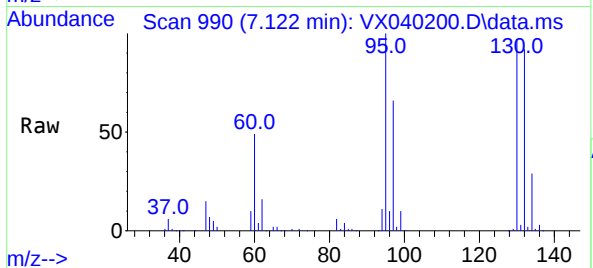




#39
Methylcyclohexane
Concen: 2.228 ug/l
RT: 7.122 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

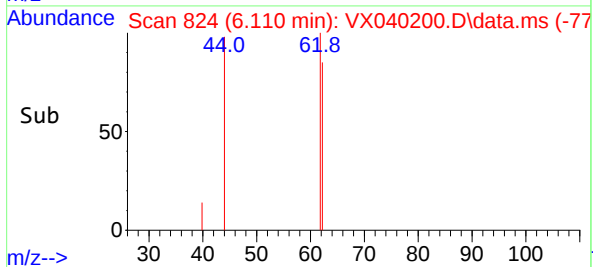
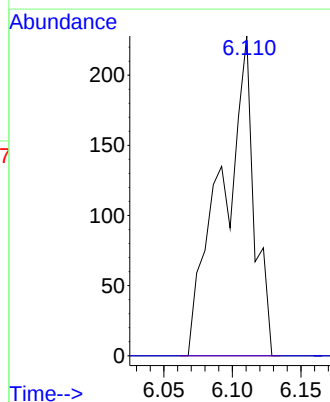
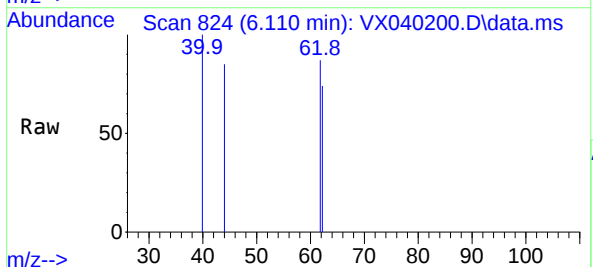
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

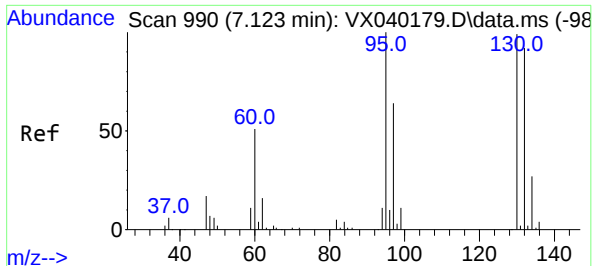
Tgt Ion: 83 Resp: 3579
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 167.3 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.248 ug/l
RT: 6.110 min Scan# 824
Delta R.T. 0.024 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 62 Resp: 375
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

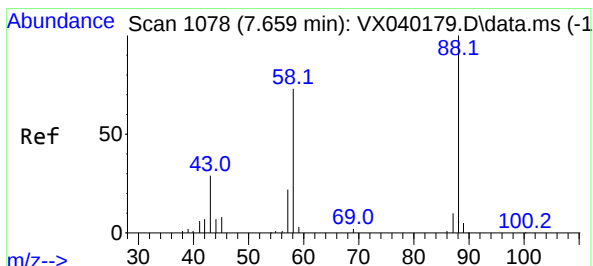
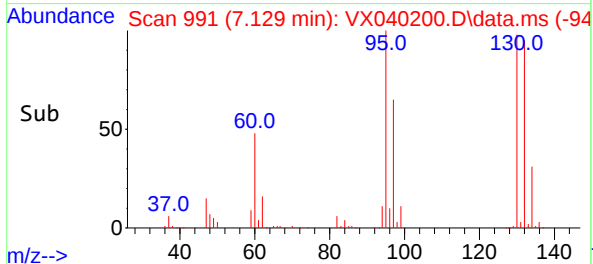
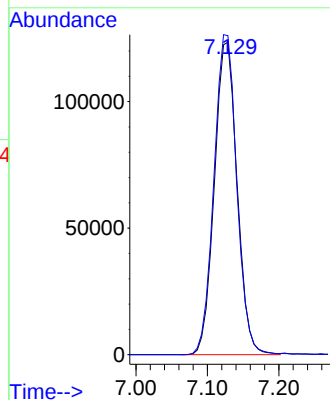
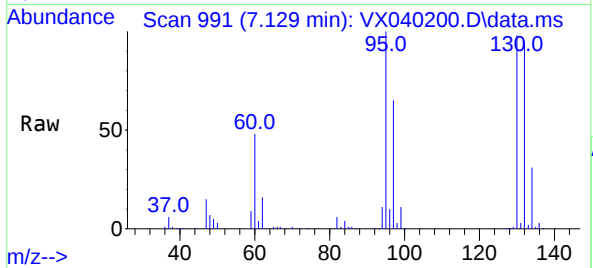




#44
Trichloroethene
Concen: 255.348 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

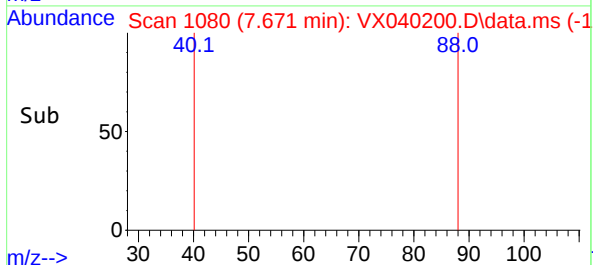
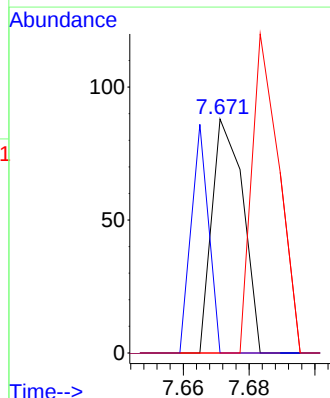
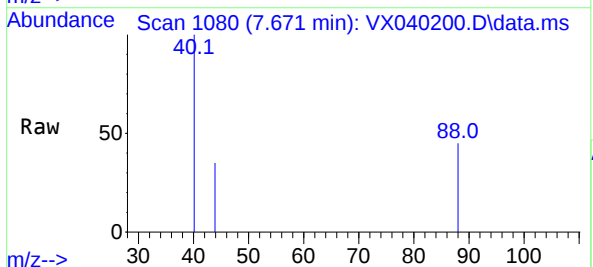
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

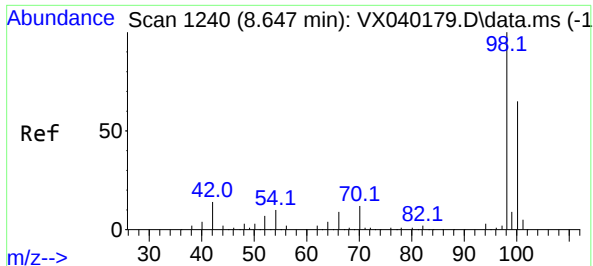
Tgt Ion:130 Resp: 272307
Ion Ratio Lower Upper
130 100
95 102.1 0.0 204.4



#49
1,4-Dioxane
Concen: 2.132 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 54.4 0.0 0.0#
58 121.1 60.1 90.1#





#50

Toluene-d8

Concen: 47.321 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX040200.D

Acq: 12 Feb 2024 15:28

Instrument :

MSVOA_X

ClientSampleId :

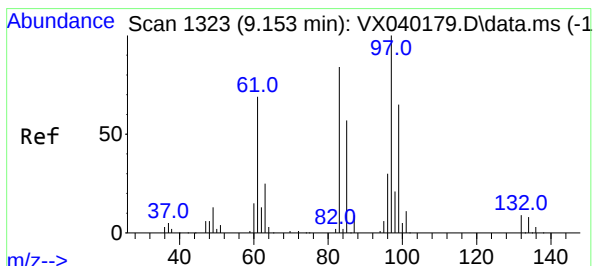
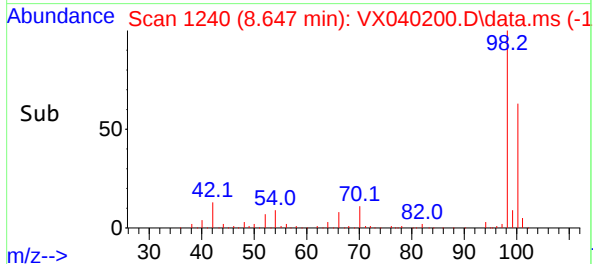
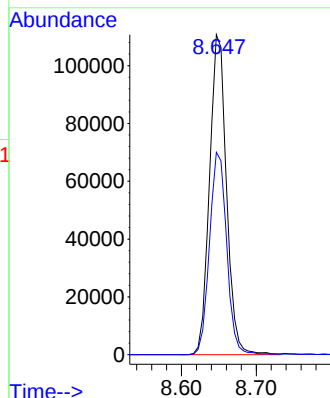
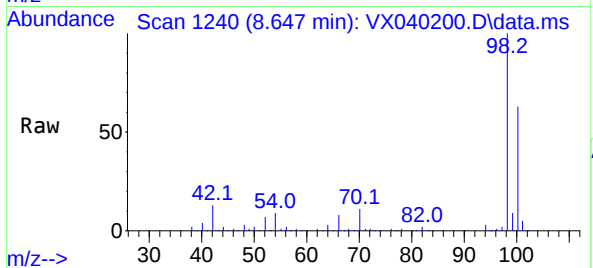
BP-VPB-191-GW-698-700

Tgt Ion: 98 Resp: 174695

Ion Ratio Lower Upper

98 100

100 64.1 53.1 79.7



#55

1,1,2-Trichloroethane

Concen: 0.753 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX040200.D

Acq: 12 Feb 2024 15:28

Tgt Ion: 97 Resp: 813

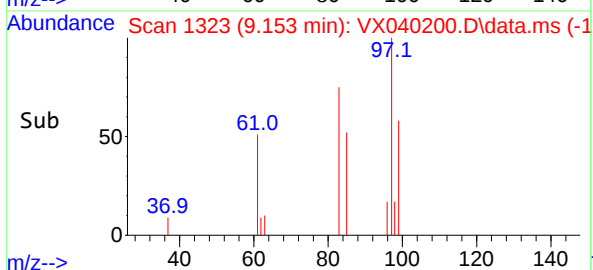
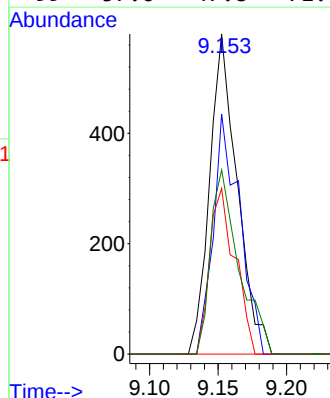
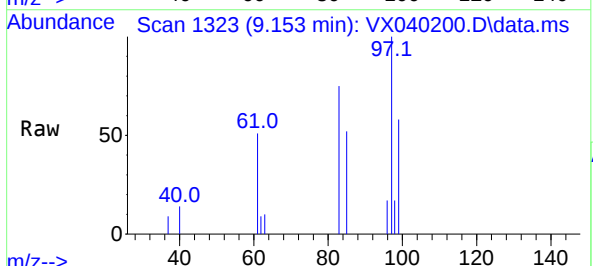
Ion Ratio Lower Upper

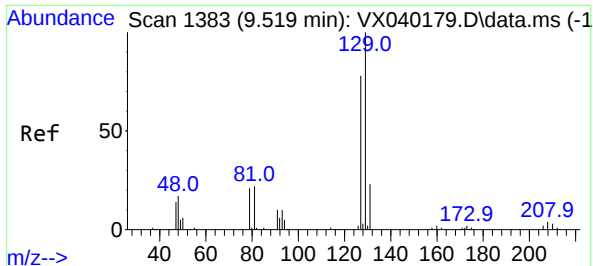
97 100

83 75.0 65.8 98.8

85 51.7 41.6 62.4

99 57.6 47.8 71.8

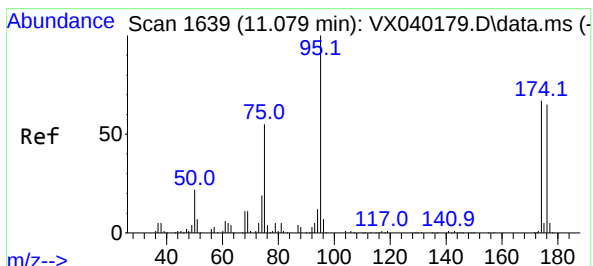
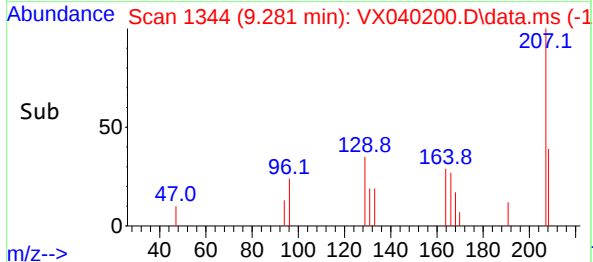
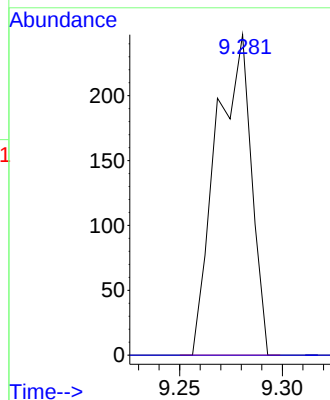
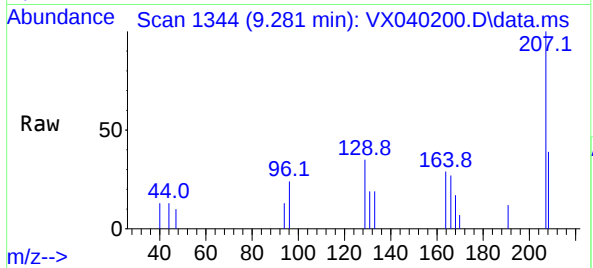




#60
Dibromochloromethane
Concen: 0.267 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

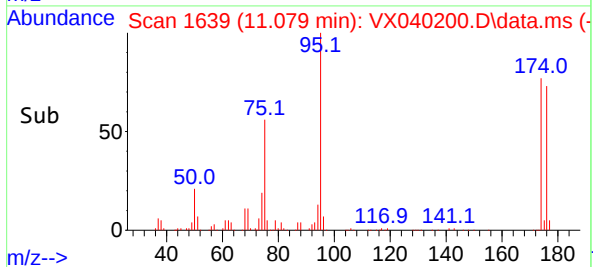
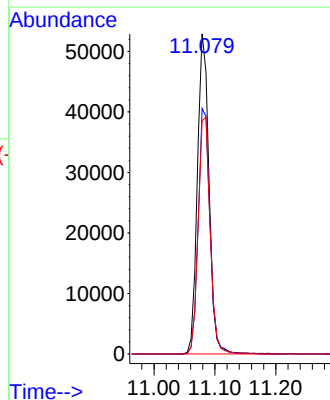
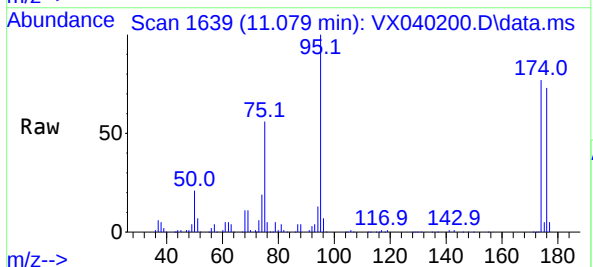
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

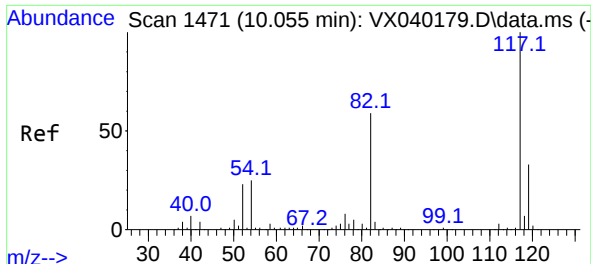
Tgt Ion:129 Resp: 294
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.573 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 95 Resp: 70122
Ion Ratio Lower Upper
95 100
174 77.2 0.0 135.6
176 75.9 0.0 131.0

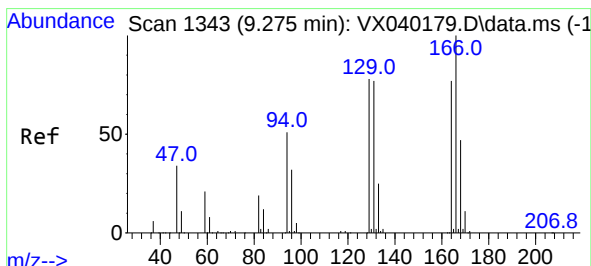
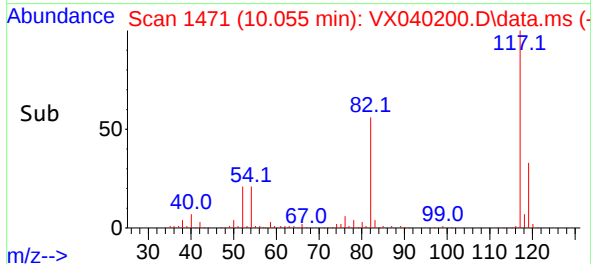
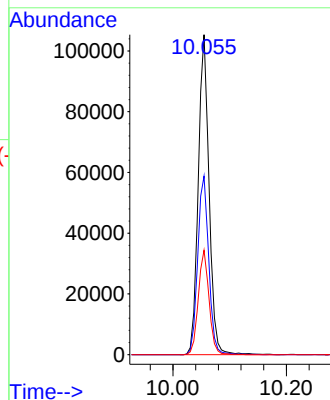
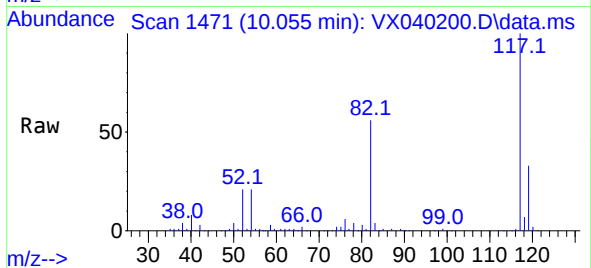




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

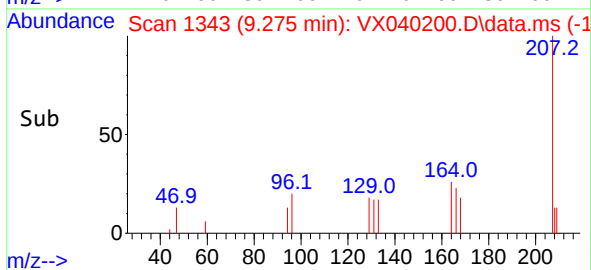
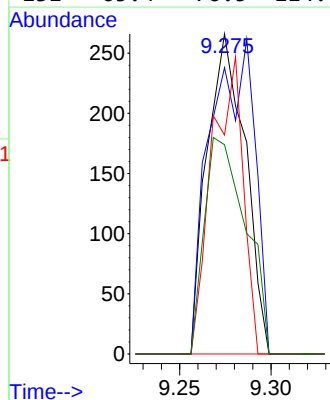
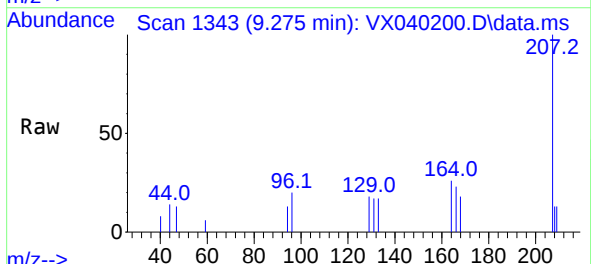
Instrument : MSVOA_X
ClientSampleId : BP-VPB-191-GW-698-700

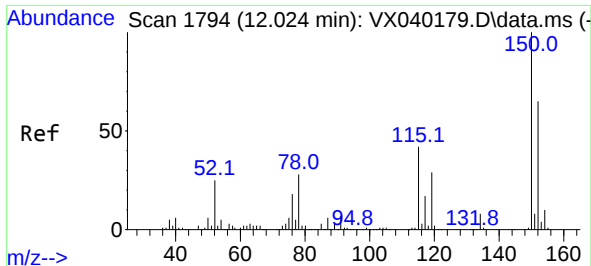
Tgt Ion:117 Resp: 139264
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 0.395 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

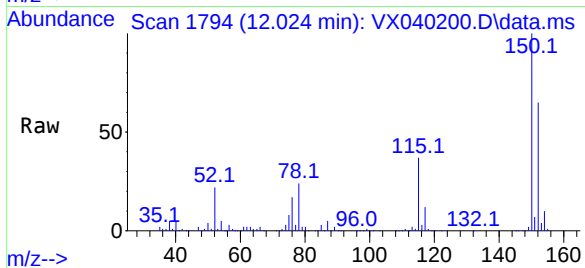
Tgt Ion:164 Resp: 385
Ion Ratio Lower Upper
164 100
166 89.5 102.7 154.1#
129 68.4 80.4 120.6#
131 65.4 76.5 114.7#



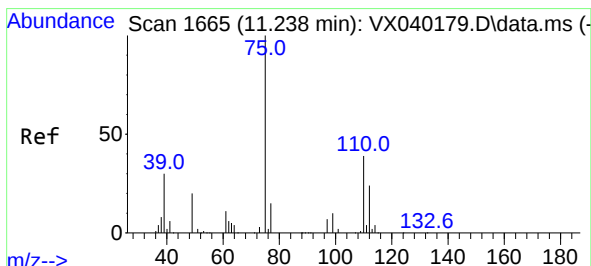
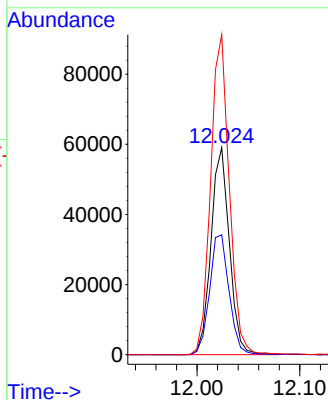
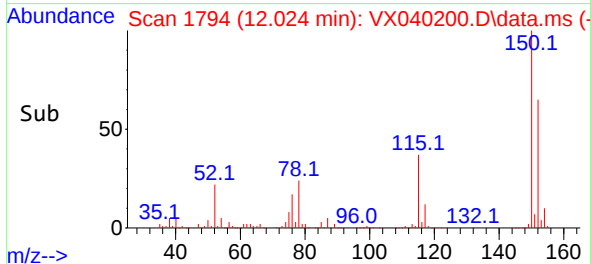


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

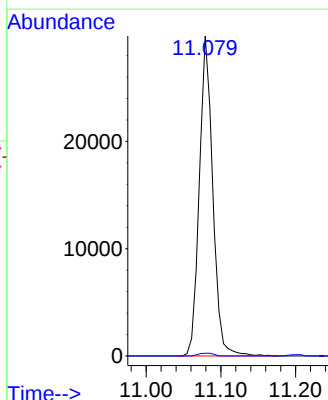
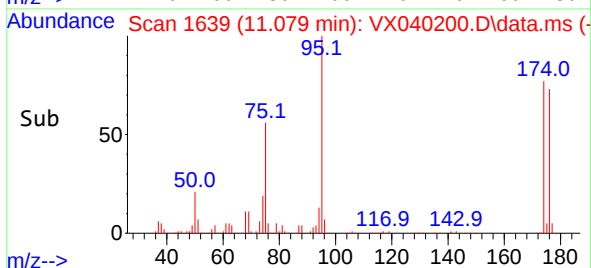
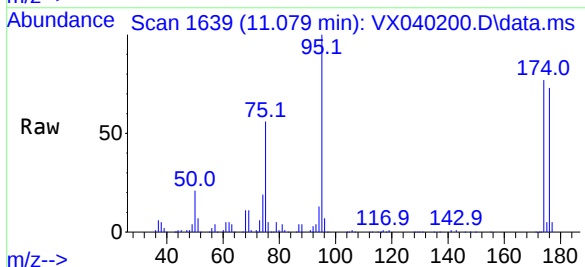


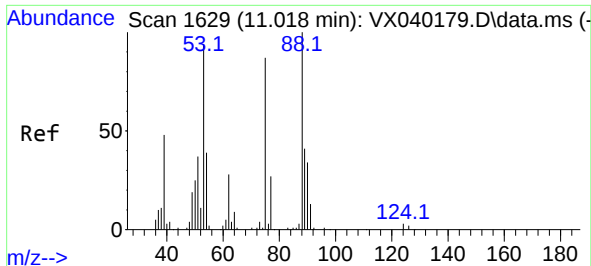
Tgt Ion:152 Resp: 73567
Ion Ratio Lower Upper
152 100
115 61.4 43.3 129.9
150 156.9 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.007 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion: 75 Resp: 37255
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

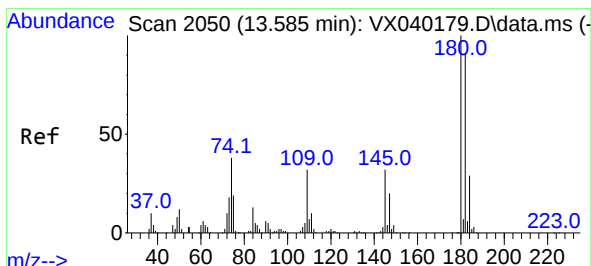
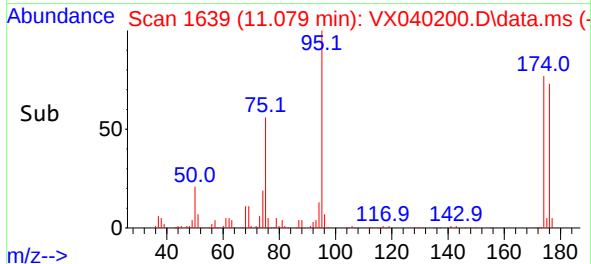
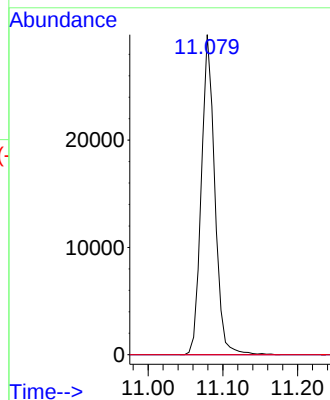
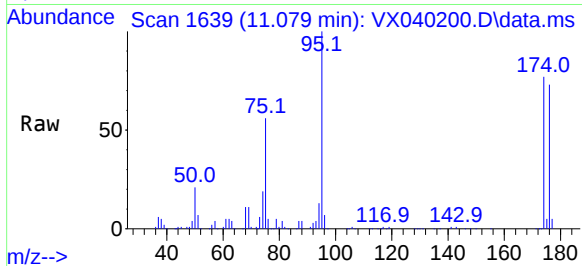




#81
trans-1,4-Dichloro-2-butene
Concen: 68.788 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700

Tgt Ion: 75 Resp: 37255
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.311 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX040200.D
Acq: 12 Feb 2024 15:28

Tgt Ion:180 Resp: 500
Ion Ratio Lower Upper
180 100
182 69.4 48.3 144.8
145 3.8 18.0 54.0#

