

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040207.D
 Acq On : 12 Feb 2024 18:09
 Operator : JC/MD
 Sample : P1438-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Feb 12 18:34:59 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)

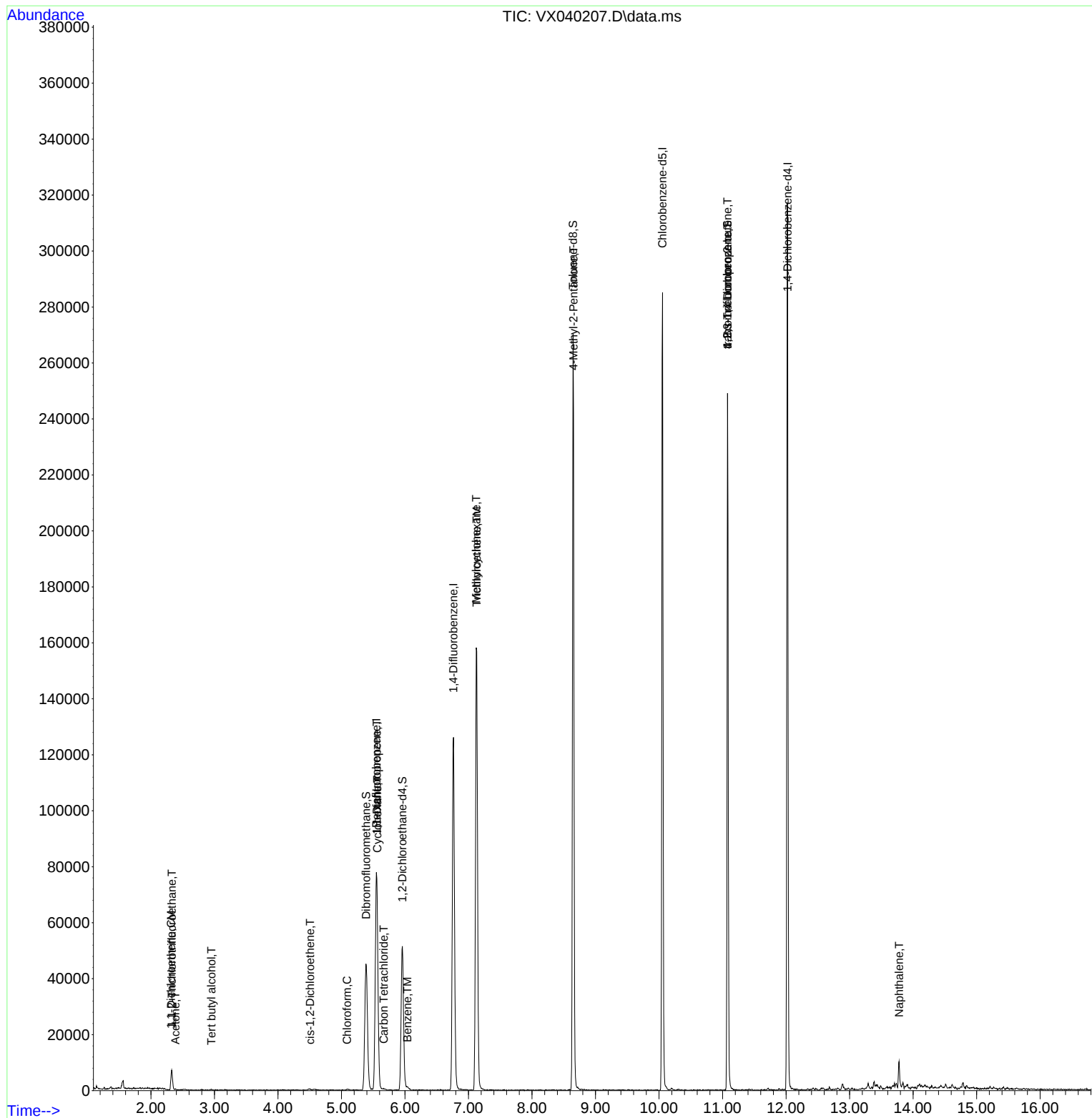
Internal Standards						
1) Pentafluorobenzene	5.550	168	74868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49475	44.419	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.840%
35) Dibromofluoromethane	5.385	113	40299	45.014	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.020%
50) Toluene-d8	8.647	98	158616	47.364	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.720%
62) 4-Bromofluorobenzene	11.079	95	64024	46.876	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.760%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	2224	2.801	ug/l	93
11) Tert butyl alcohol	2.953	59	49	0.226	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	784	1.026	ug/l #	64
16) Acetone	2.386	43	495	1.082	ug/l	96
20) Methylene Chloride	2.800	84	175	Below Cal	#	26
27) cis-1,2-Dichloroethene	4.507	96	269	0.271	ug/l	63
30) Chloroform	5.086	83	376	0.222	ug/l #	62
31) Cyclohexane	5.562	56	1745	1.313	ug/l #	57
36) 1,1-Dichloropropene	5.556	75	5970	4.760	ug/l #	52
38) Carbon Tetrachloride	5.666	117	321	0.269	ug/l #	70
39) Methylcyclohexane	7.123	83	756	0.519	ug/l #	1
40) Benzene	6.038	78	1125	0.321	ug/l #	51
44) Trichloroethene	7.129	130	61650	63.728	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	685	0.461	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	34397	25.971	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34397	71.301	ug/l #	5
95) Naphthalene	13.780	128	6516	1.444	ug/l	97

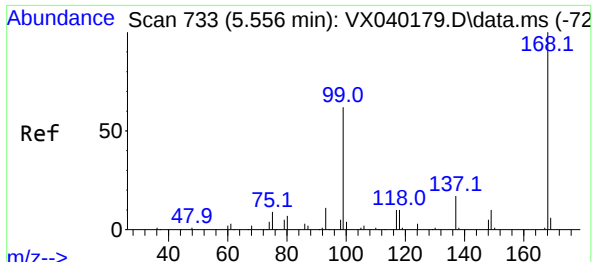
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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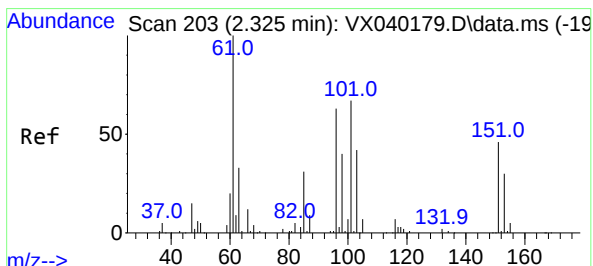
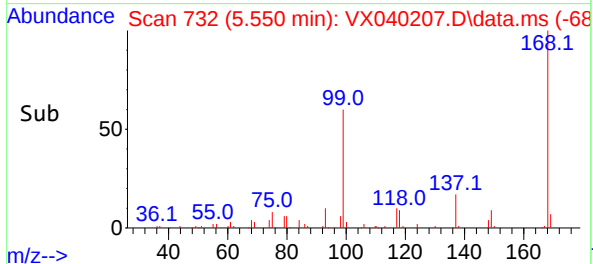
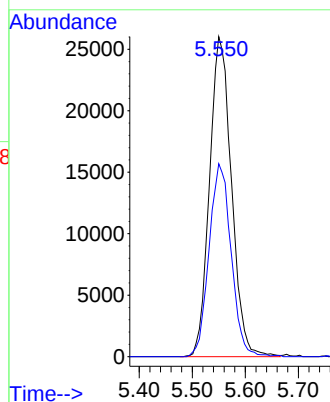
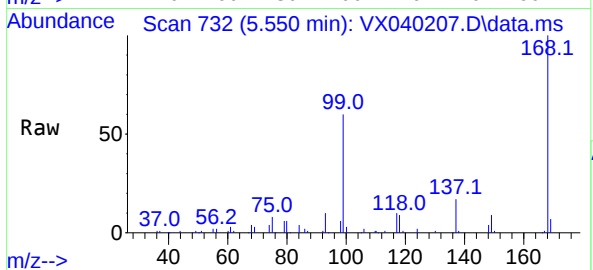




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

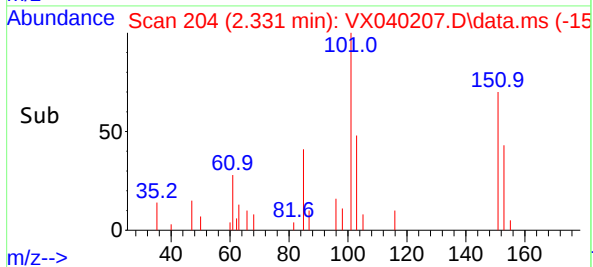
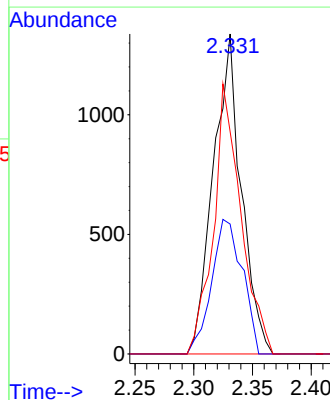
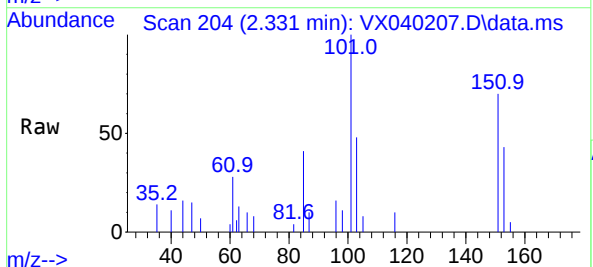
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700DL

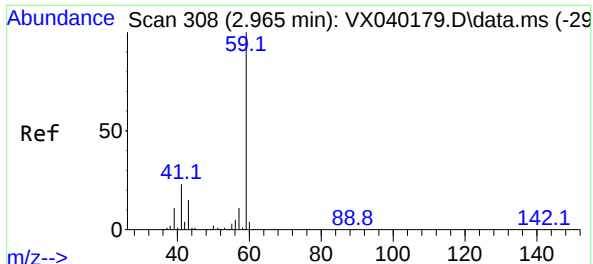
Tgt Ion:168 Resp: 74868
Ion Ratio Lower Upper
168 100
99 60.3 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.801 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion:101 Resp: 2224
Ion Ratio Lower Upper
101 100
85 46.0 37.0 55.6
151 82.6 58.6 87.8

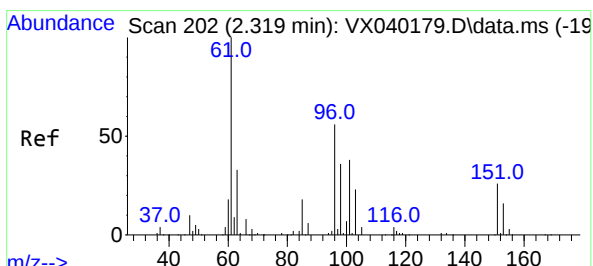
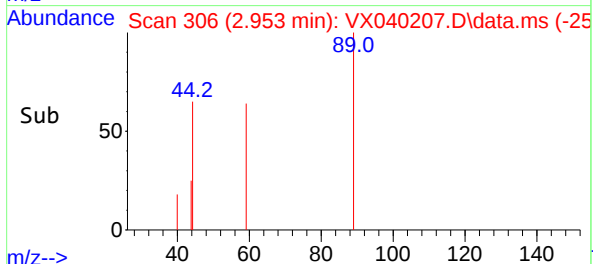
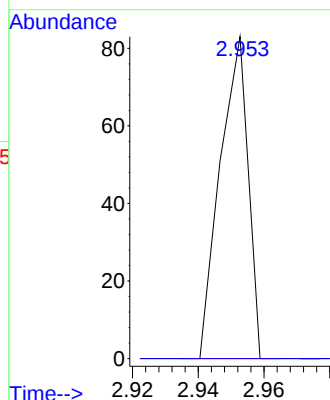
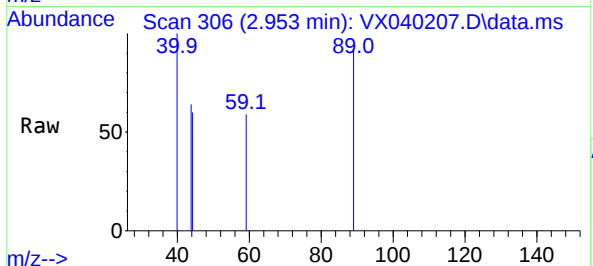




#11
Tert butyl alcohol
Concen: 0.226 ug/l
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

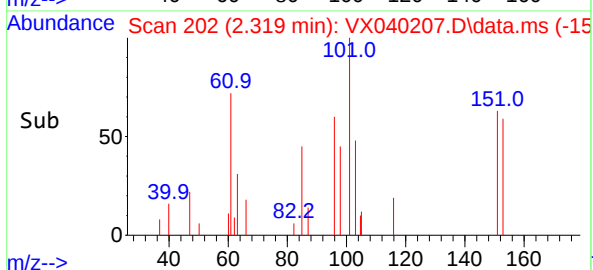
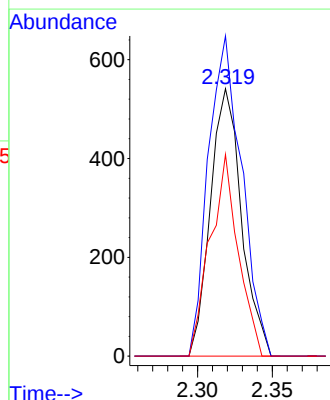
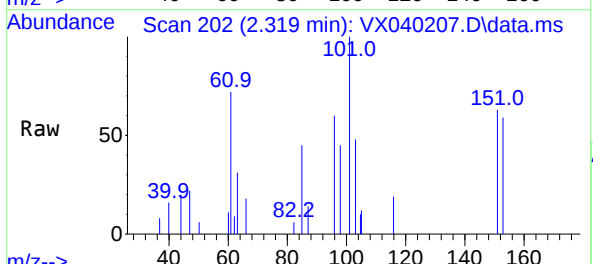
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700DL

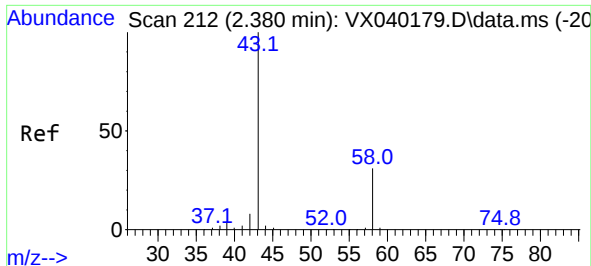
Tgt Ion: 59 Resp: 49
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 1.026 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion: 96 Resp: 784
Ion Ratio Lower Upper
96 100
61 119.8 144.6 216.8#
98 75.4 50.4 75.6

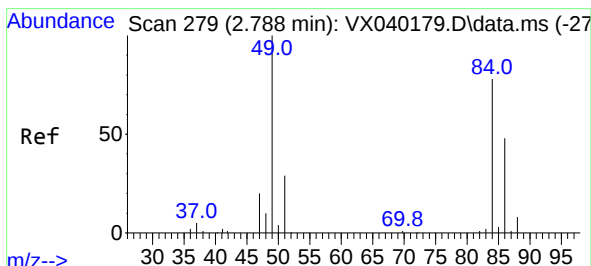
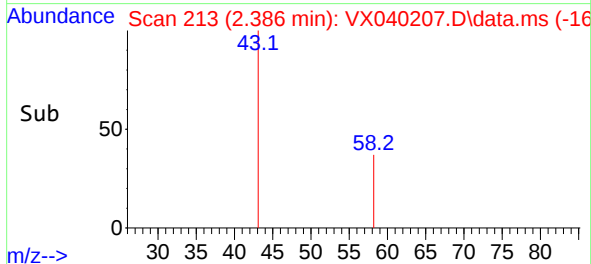
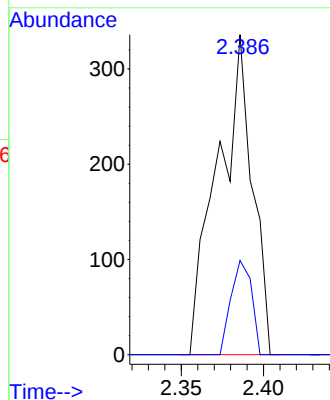
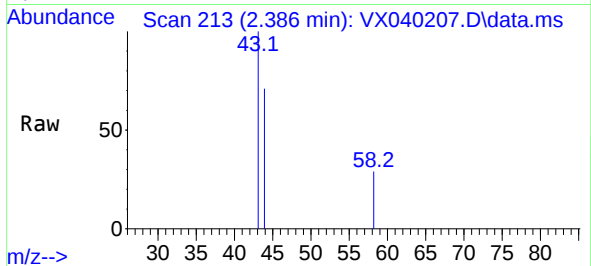




#16
Acetone
Concen: 1.082 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

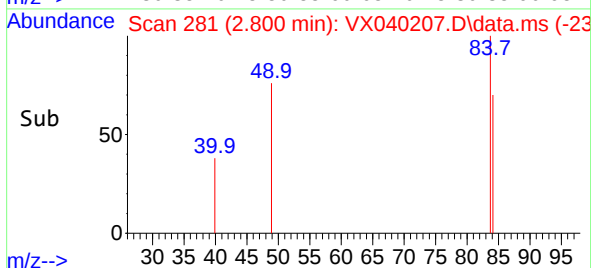
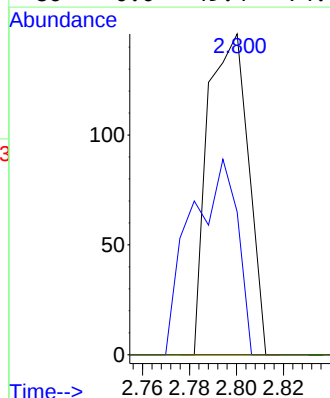
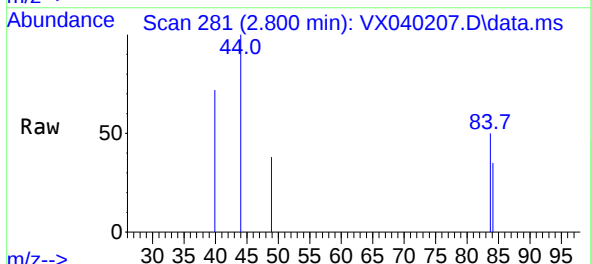
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700DL

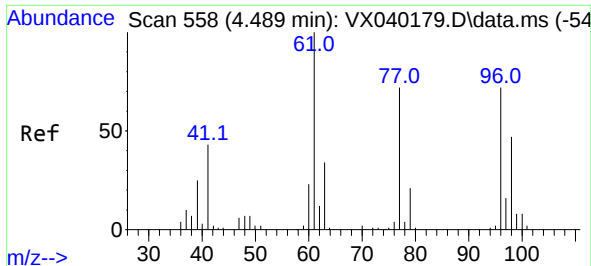
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
58 29.5 21.9 32.9



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion: 84 Resp: 175
Ion Ratio Lower Upper
84 100
49 44.5 103.6 155.4#
51 0.0 33.8 50.6#
86 0.0 49.4 74.0#





#27

cis-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX040207.D

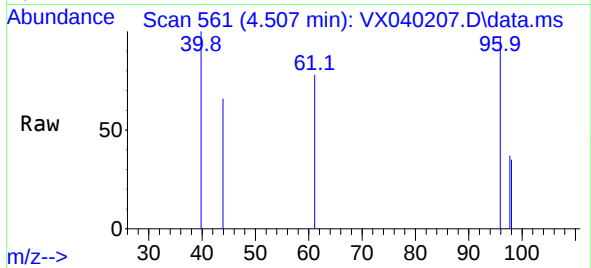
Acq: 12 Feb 2024 18:09

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-698-700DL



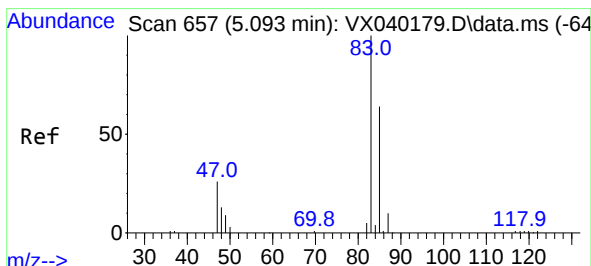
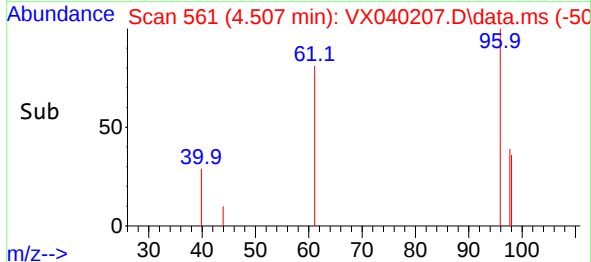
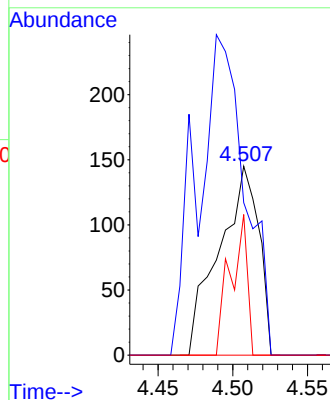
Tgt Ion: 96 Resp: 269

Ion Ratio Lower Upper

96 100

61 201.1 0.0 312.2

98 31.6 0.0 129.0



#30

Chloroform

Concen: 0.222 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.012 min

Lab File: VX040207.D

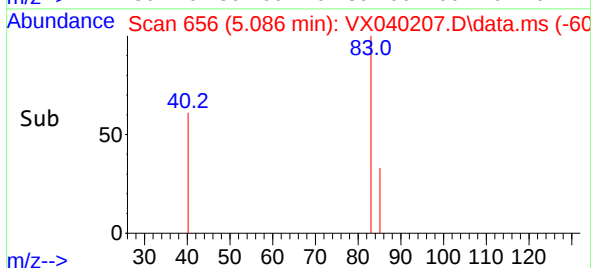
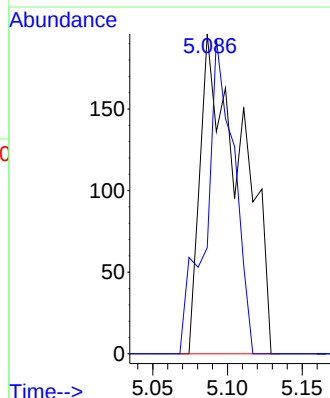
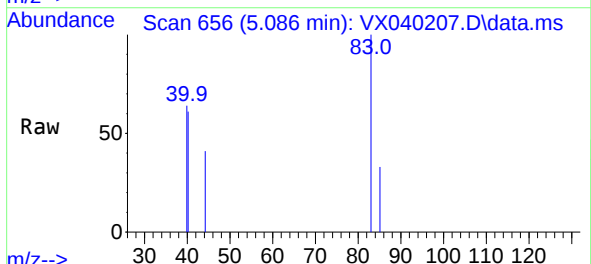
Acq: 12 Feb 2024 18:09

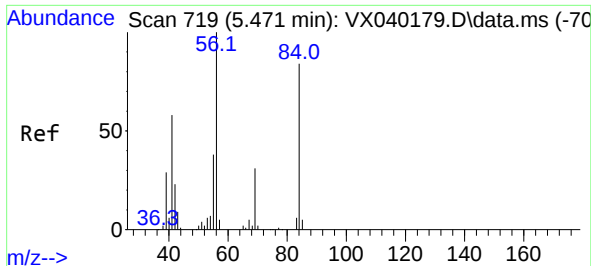
Tgt Ion: 83 Resp: 376

Ion Ratio Lower Upper

83 100

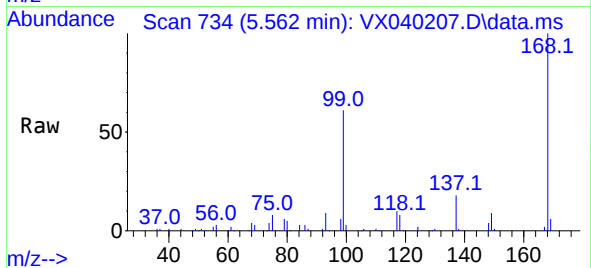
85 33.2 50.3 75.5#



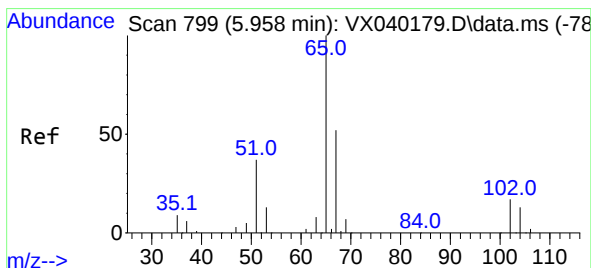
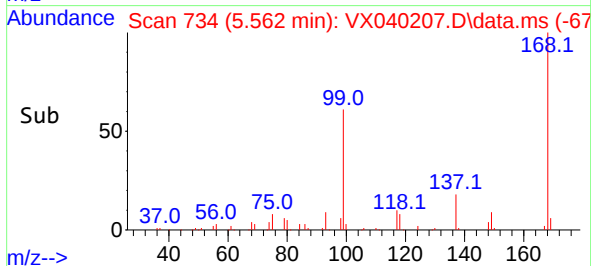
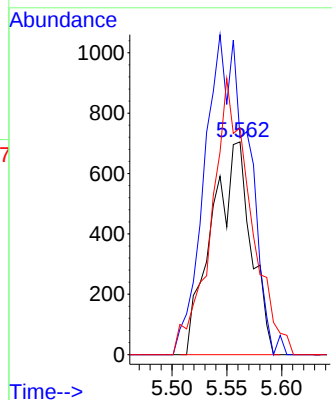


#31
Cyclohexane
Concen: 1.313 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

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

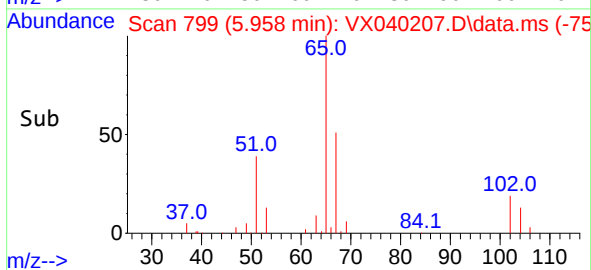
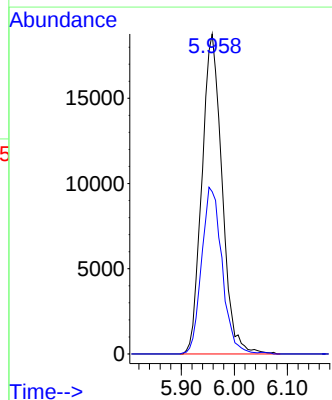
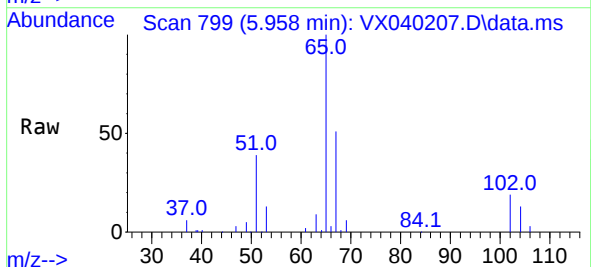


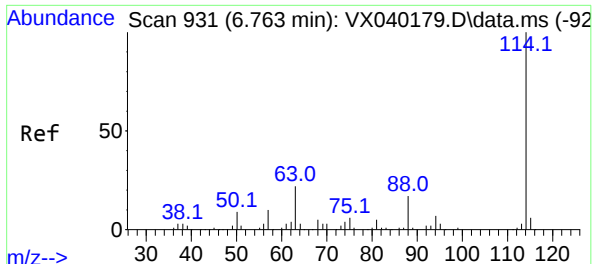
Tgt Ion: 56 Resp: 1745
Ion Ratio Lower Upper
56 100
69 92.8 23.4 35.2#
84 96.5 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 44.419 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion: 65 Resp: 49475
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

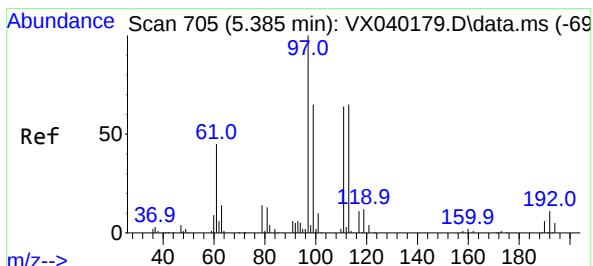
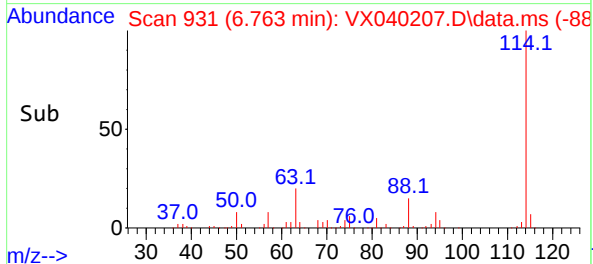
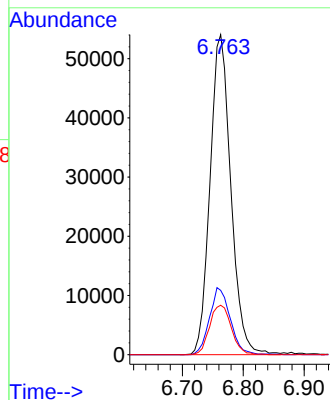
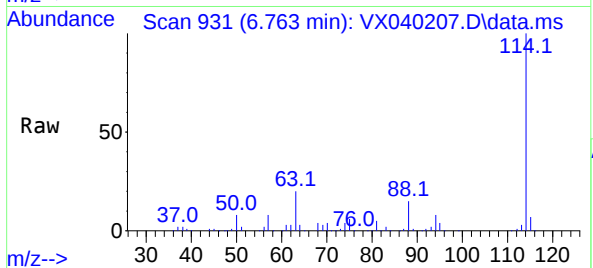




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

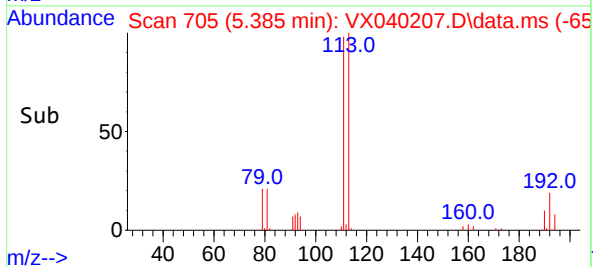
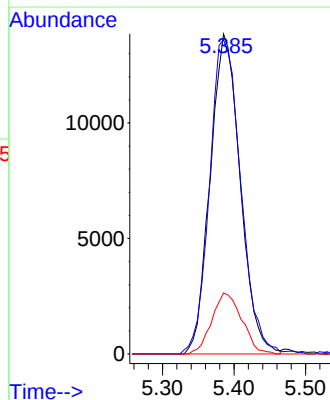
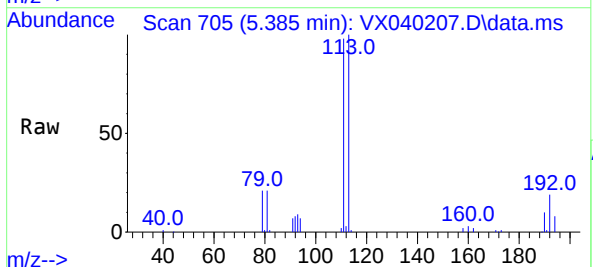
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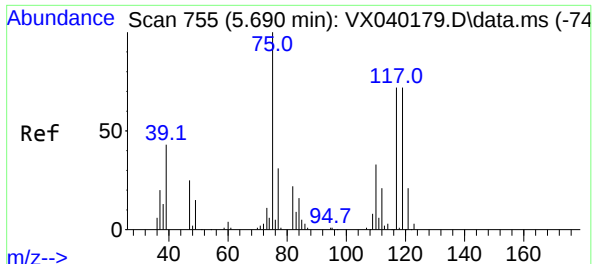
Tgt Ion:114 Resp: 128197
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.014 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion:113 Resp: 40299
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 19.1 13.3 19.9

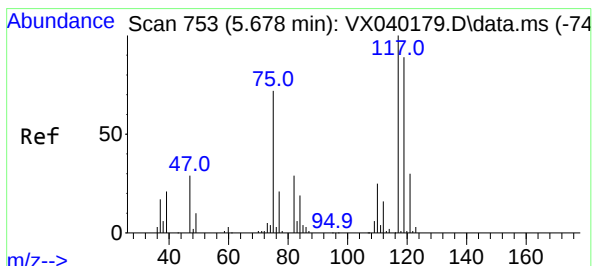
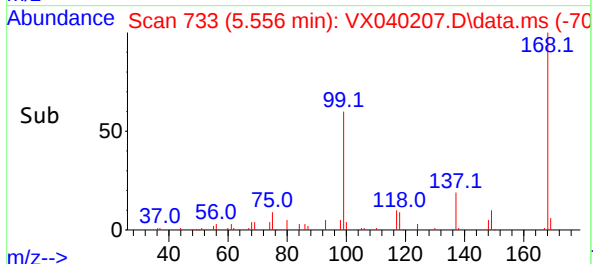
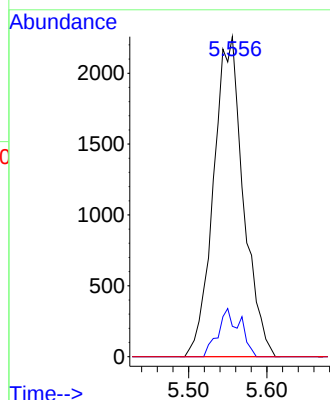
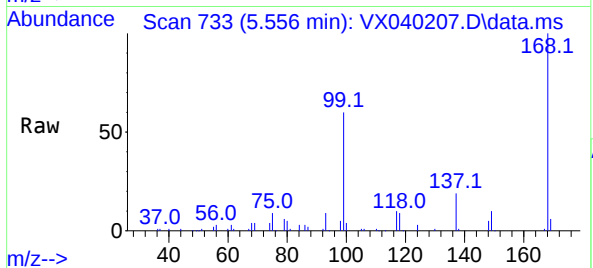




#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

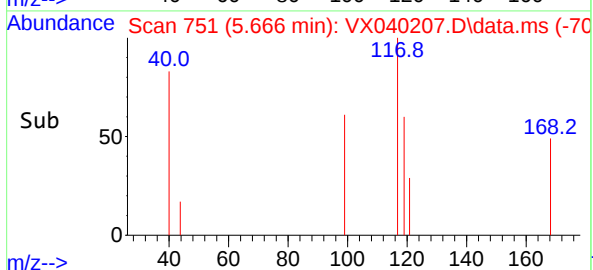
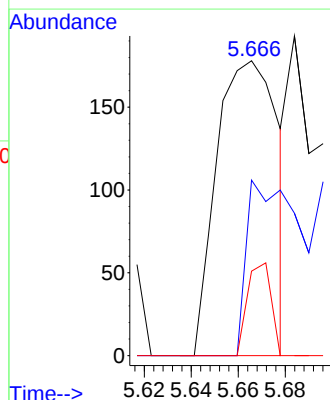
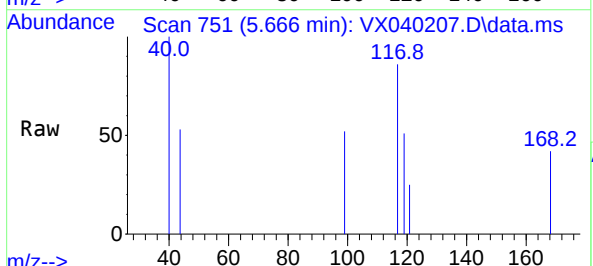
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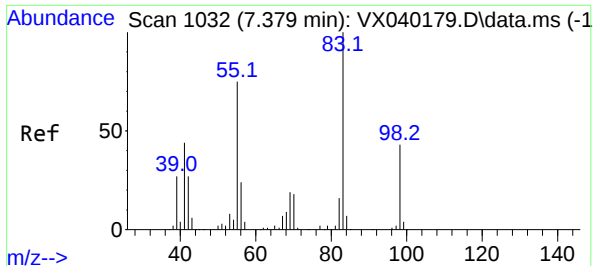
Tgt Ion: 75 Resp: 5970
Ion Ratio Lower Upper
75 100
110 11.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.269 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion: 117 Resp: 321
Ion Ratio Lower Upper
117 100
119 59.6 78.2 117.2#
121 28.7 24.4 36.6

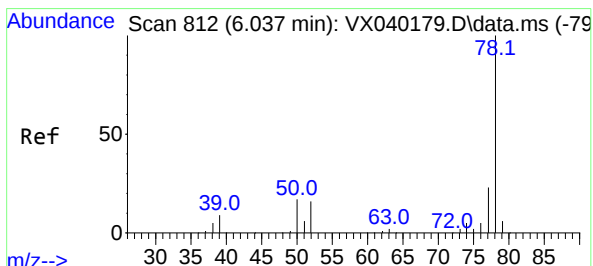
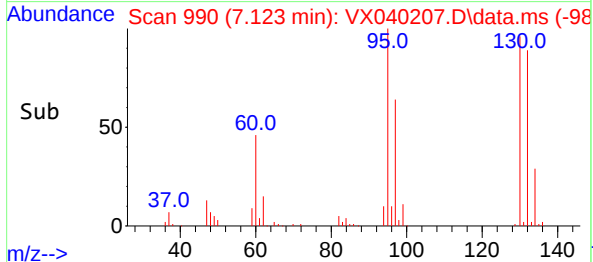
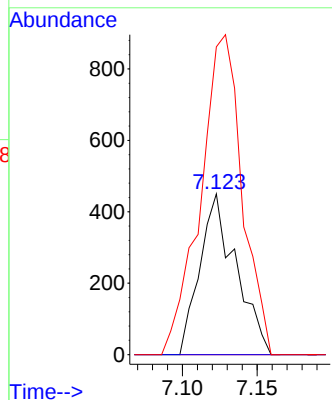
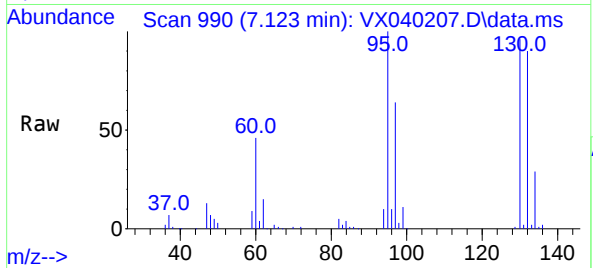




#39
Methylcyclohexane
Concen: 0.519 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

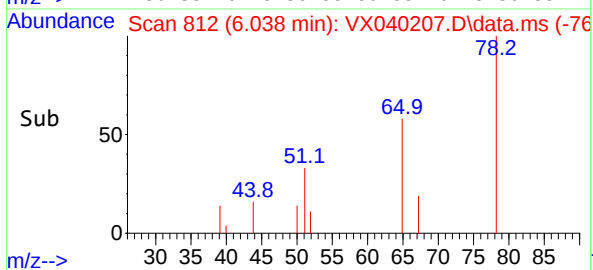
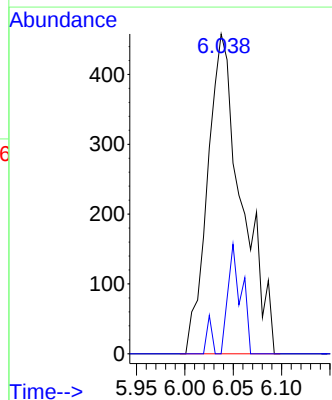
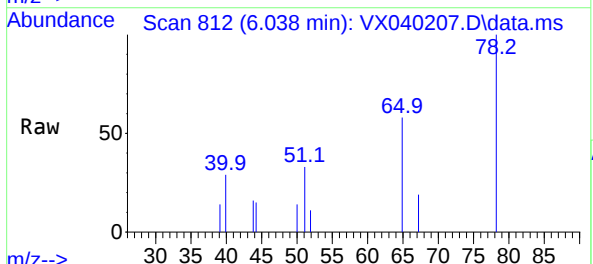
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700DL

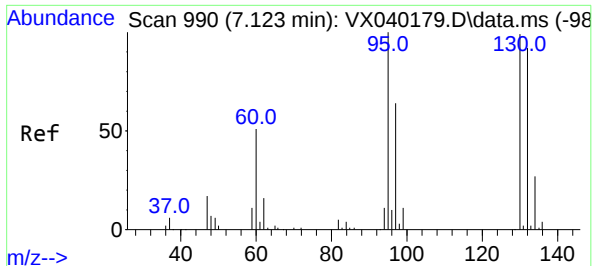
Tgt Ion: 83 Resp: 756
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 191.6 36.7 55.1#



#40
Benzene
Concen: 0.321 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion: 78 Resp: 1125
Ion Ratio Lower Upper
78 100
77 0.0 19.3 28.9#

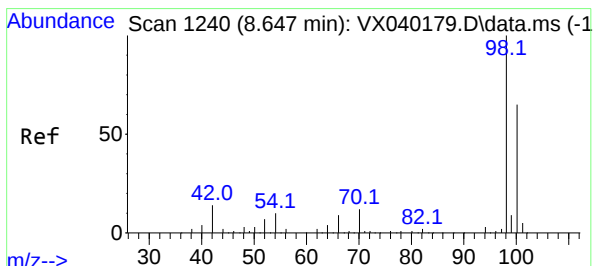
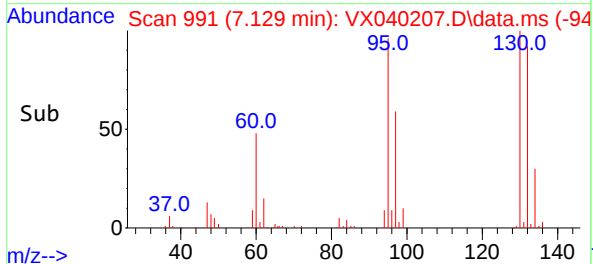
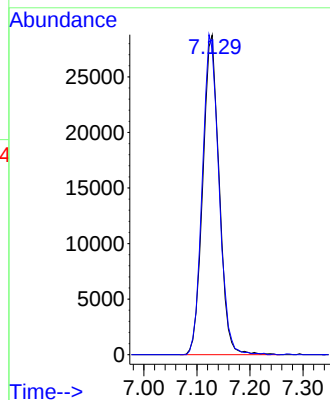
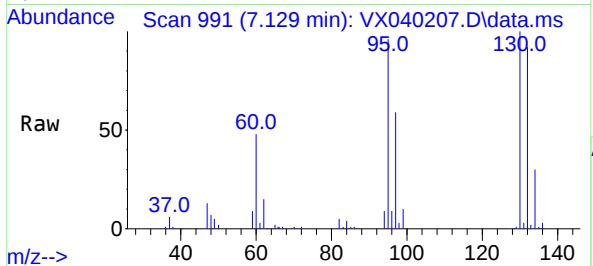




#44
 Trichloroethene
 Concen: 63.728 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.000 min
 Lab File: VX040207.D
 Acq: 12 Feb 2024 18:09

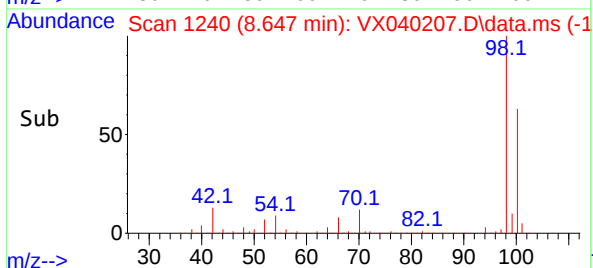
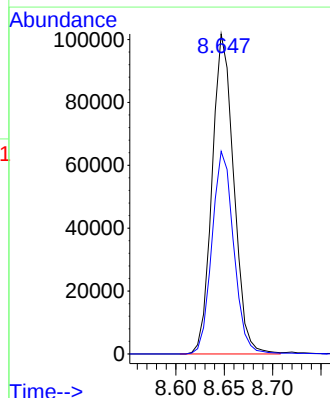
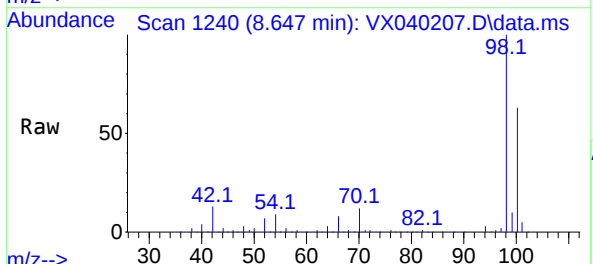
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-191-GW-698-700DL

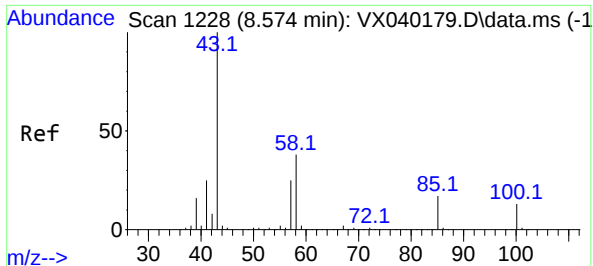
Tgt Ion:130 Resp: 61650
 Ion Ratio Lower Upper
 130 100
 95 95.6 0.0 204.4



#50
 Toluene-d8
 Concen: 47.364 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.006 min
 Lab File: VX040207.D
 Acq: 12 Feb 2024 18:09

Tgt Ion: 98 Resp: 158616
 Ion Ratio Lower Upper
 98 100
 100 63.7 53.1 79.7

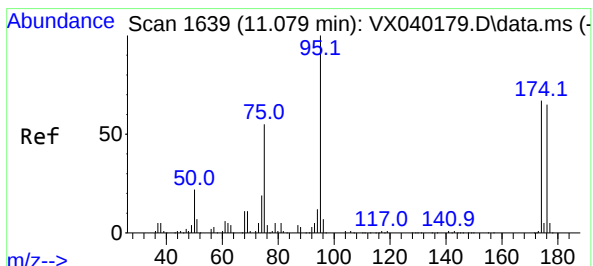
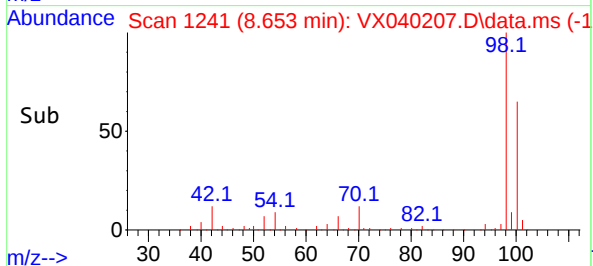
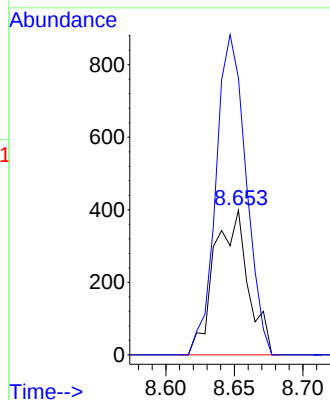
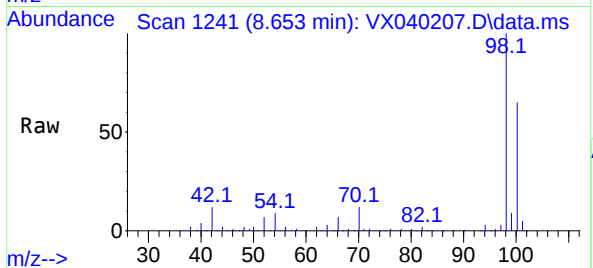




#51
4-Methyl-2-Pentanone
Concen: 0.461 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

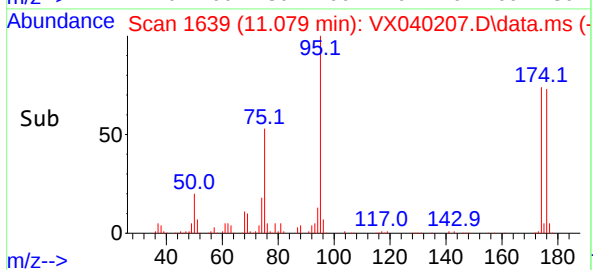
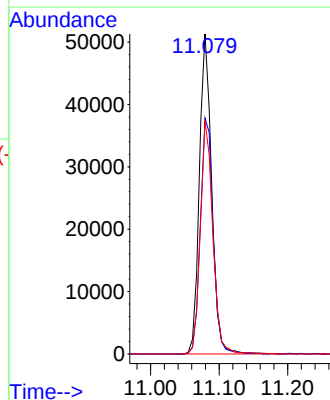
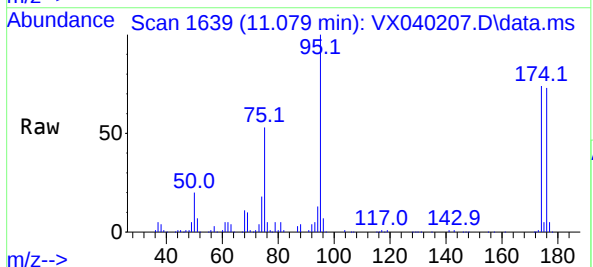
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700DL

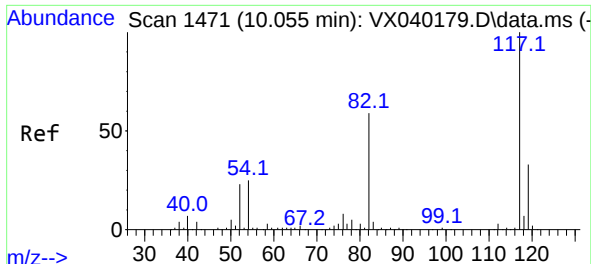
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 197.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 46.876 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion: 95 Resp: 64024
Ion Ratio Lower Upper
95 100
174 76.3 0.0 135.6
176 74.2 0.0 131.0

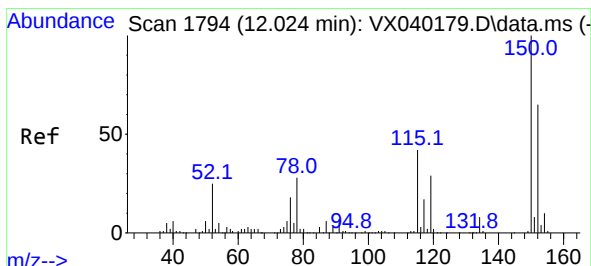
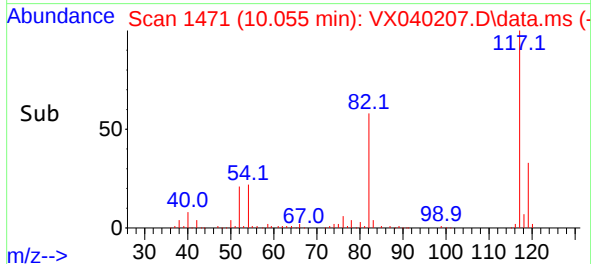
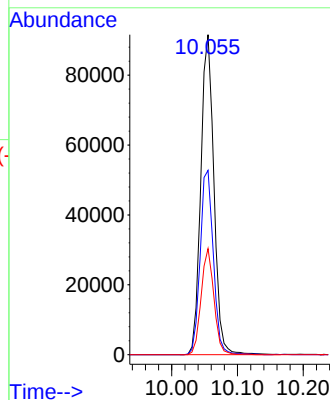
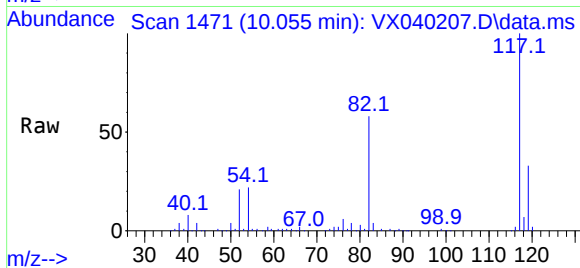




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

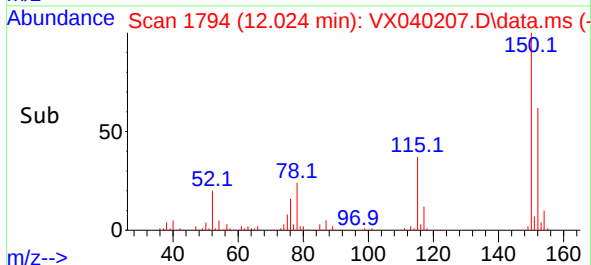
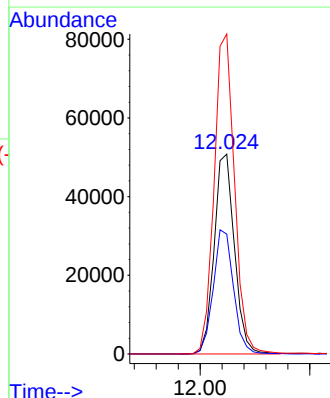
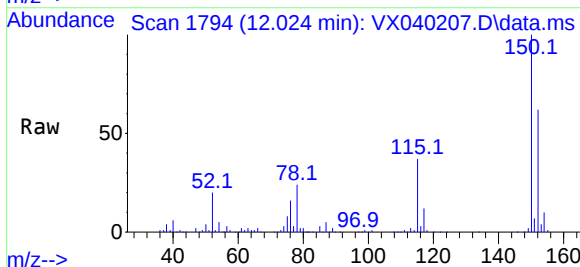
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700DL

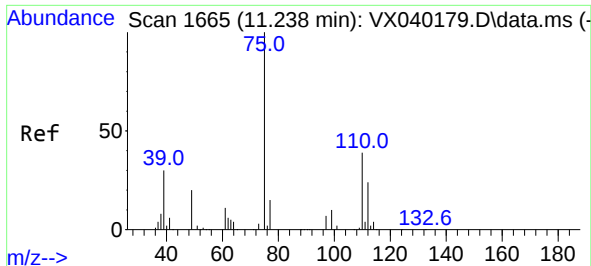
Tgt Ion:117 Resp: 127202
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 33.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

Tgt Ion:152 Resp: 65404
Ion Ratio Lower Upper
152 100
115 61.9 43.3 129.9
150 161.2 0.0 345.0

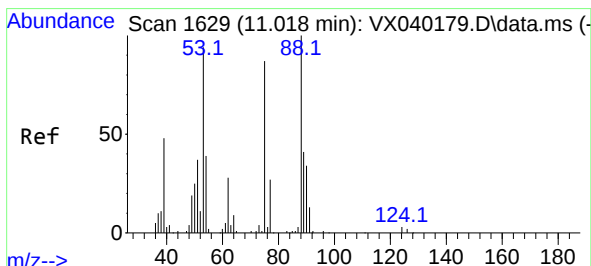
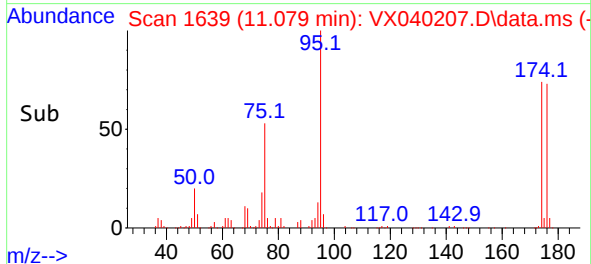
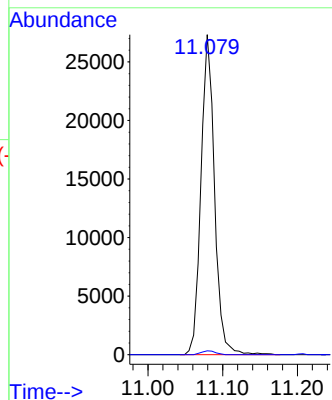
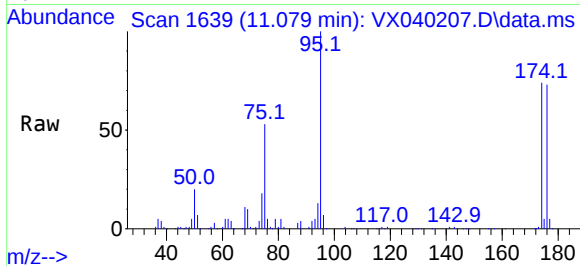




#76
1,2,3-Trichloropropane
Concen: 25.971 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

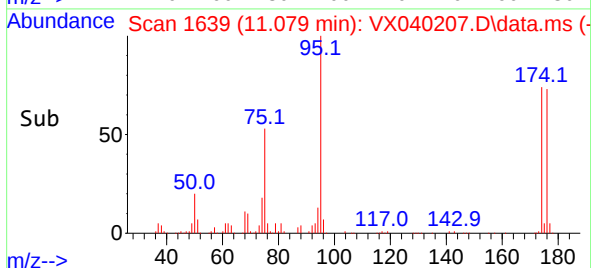
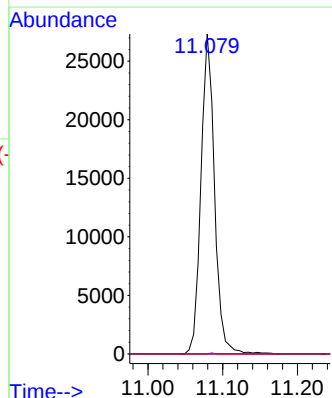
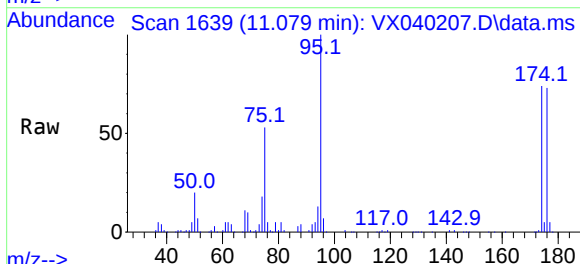
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-698-700DL

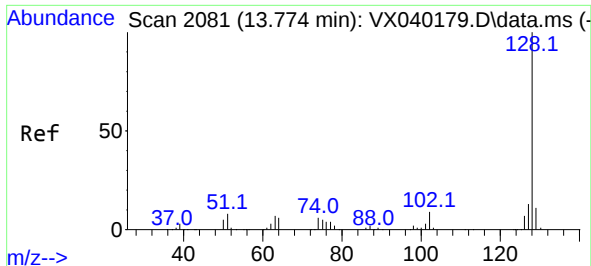
Tgt Ion: 75 Resp: 34397
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.301 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

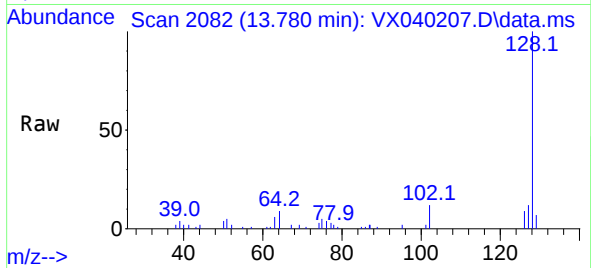
Tgt Ion: 75 Resp: 34397
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#





#95
Naphthalene
Concen: 1.444 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040207.D
Acq: 12 Feb 2024 18:09

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



Tgt Ion:	128	Resp:	6516
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	9.4	8.8	13.2

