

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038690.D
 Acq On : 09 Nov 2023 18:56
 Operator : JC/MD
 Sample : 05241-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 03:44:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

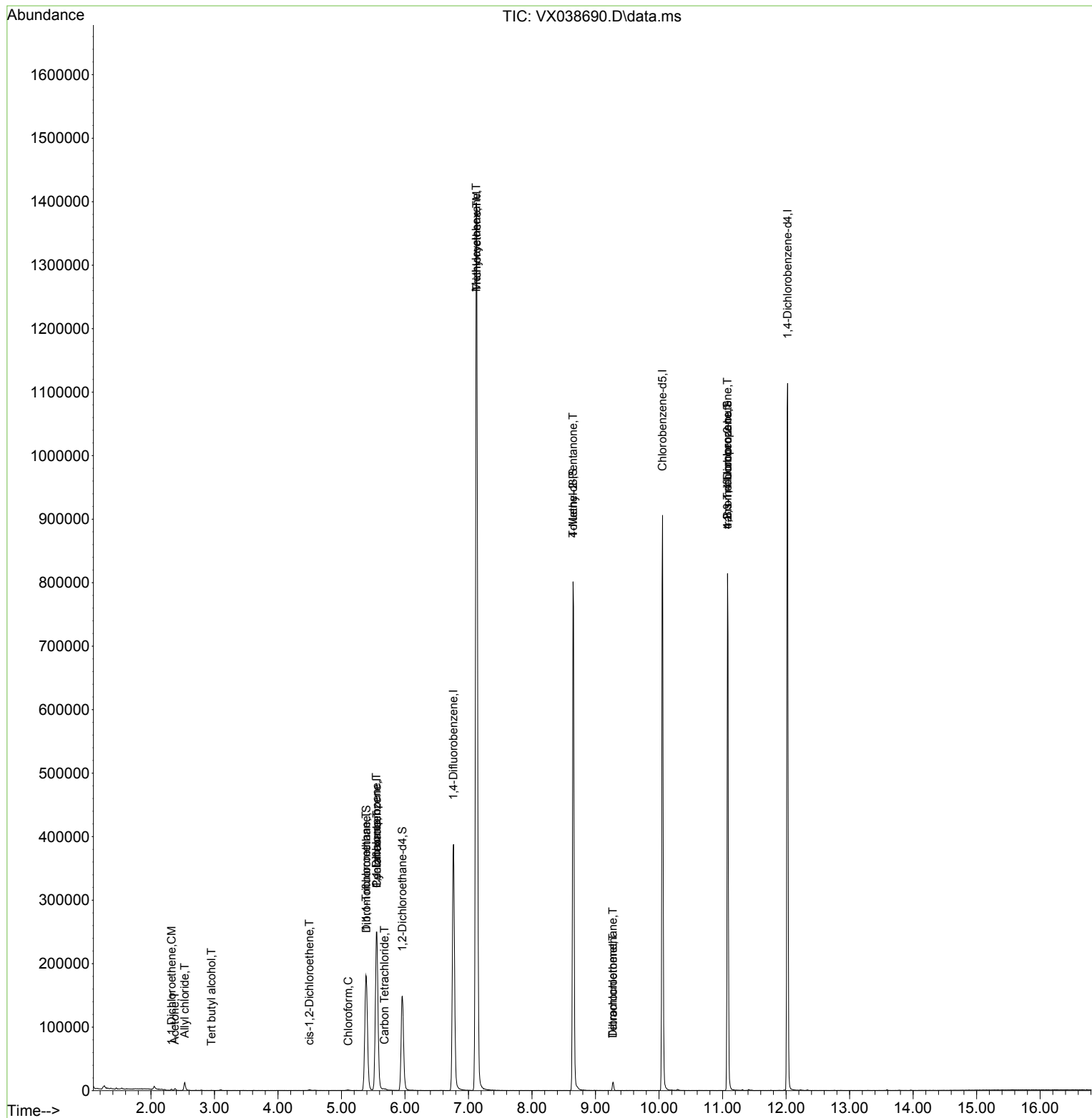
Internal Standards						
1) Pentafluorobenzene	5.556	168	260377	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	435902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	455839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	262579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	152846	47.151	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.300%		
35) Dibromofluoromethane	5.391	113	144165	45.920	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.840%		
50) Toluene-d8	8.647	98	518323	46.137	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.280%		
62) 4-Bromofluorobenzene	11.079	95	220105	50.533	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.060%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	154	0.232	ug/l	# 78
12) 1,1-Dichloroethene	2.325	96	661	0.272	ug/l	# 68
14) Allyl chloride	2.532	41	1244	0.357	ug/l	# 77
16) Acetone	2.374	43	3042	2.228	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	751	0.246	ug/l	75
30) Chloroform	5.105	83	1231	0.242	ug/l	# 81
31) Cyclohexane	5.556	56	3941	1.098	ug/l	# 1
32) 1,1,1-Trichloroethane	5.385	97	21657	4.833	ug/l	95
36) 1,1-Dichloropropene	5.550	75	16829	4.315	ug/l	# 51
38) Carbon Tetrachloride	5.678	117	1933	0.443	ug/l	# 81
39) Methylcyclohexane	7.123	83	6329	1.298	ug/l	# 1
44) Trichloroethene	7.129	130	583885	167.065	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	1667	0.418	ug/l	# 1
60) Dibromochloromethane	9.275	129	2660	0.759	ug/l	# 11
64) Tetrachloroethene	9.275	164	2646	0.775	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	104926	20.177	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	104926	61.606	ug/l	# 5

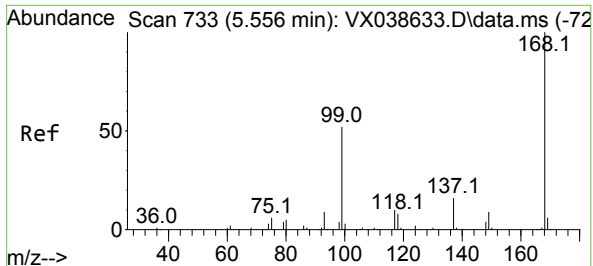
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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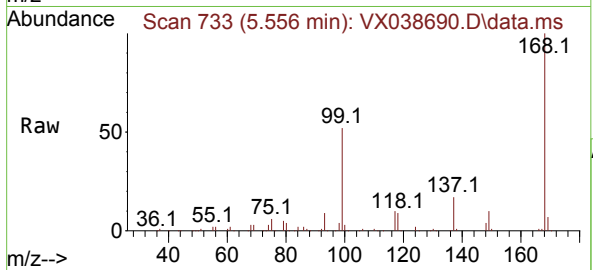
Quant Time: Nov 10 03:44:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration



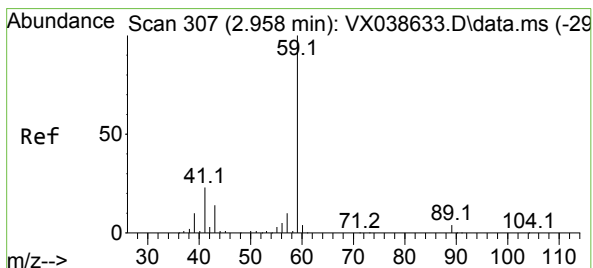
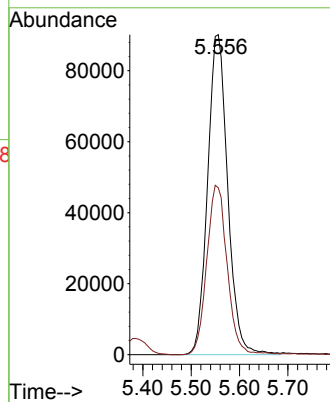
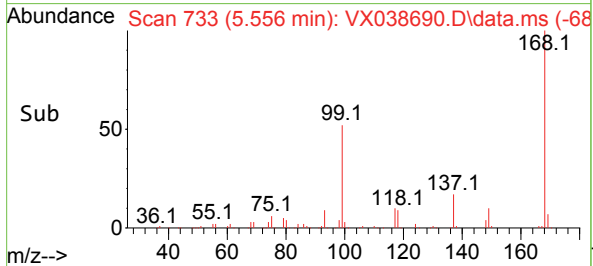


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :

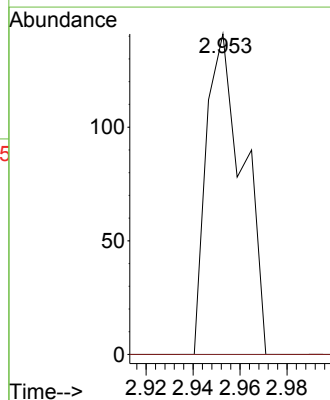
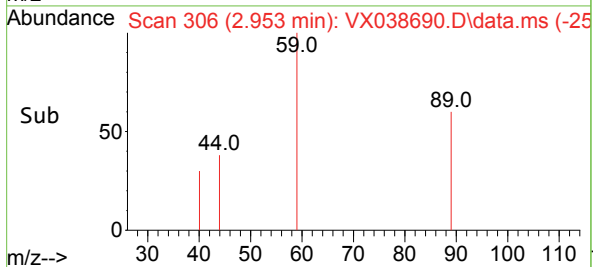
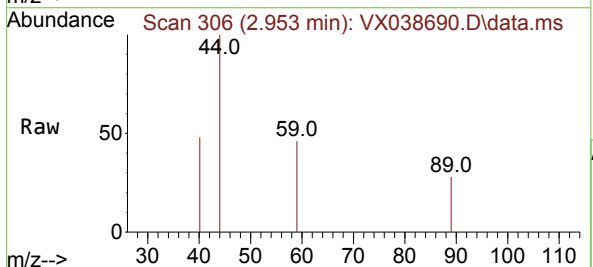


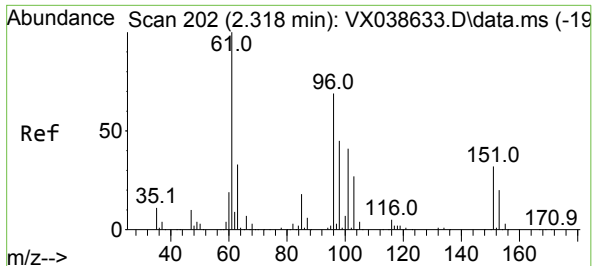
Tgt Ion:168 Resp: 260377
Ion Ratio Lower Upper
168 100
99 52.2 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.232 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.272 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038690.D

Acq: 09 Nov 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

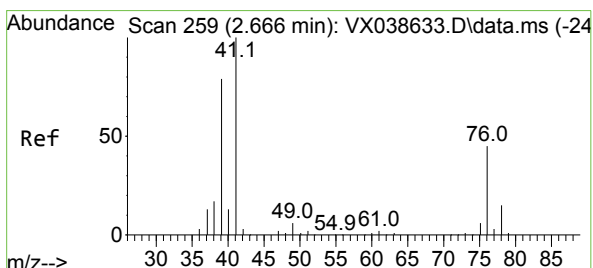
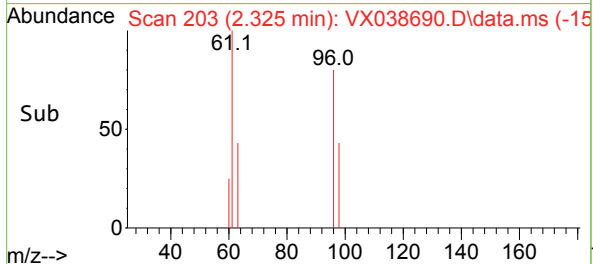
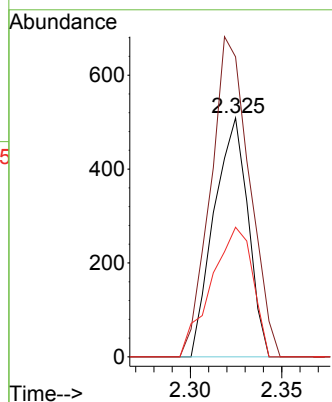
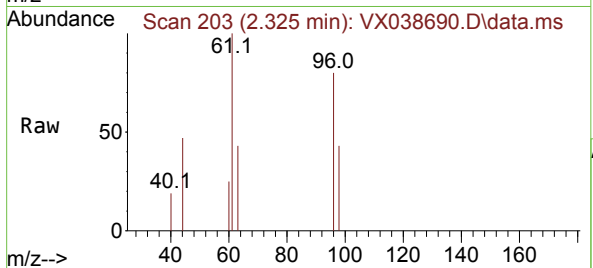
Tgt Ion: 96 Resp: 661

Ion Ratio Lower Upper

96 100

61 125.5 144.6 216.8#

98 54.2 50.4 75.6



#14

Allyl chloride

Concen: 0.357 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.134 min

Lab File: VX038690.D

Acq: 09 Nov 2023 18:56

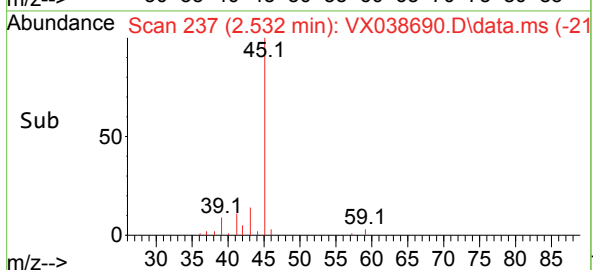
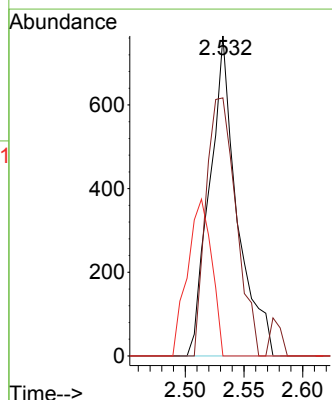
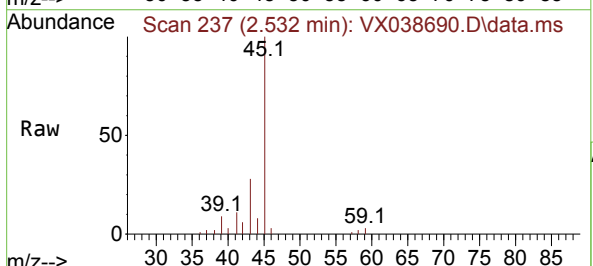
Tgt Ion: 41 Resp: 1244

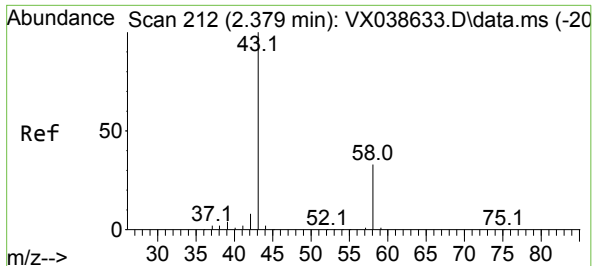
Ion Ratio Lower Upper

41 100

39 88.4 55.8 83.6#

76 43.2 24.3 36.5#

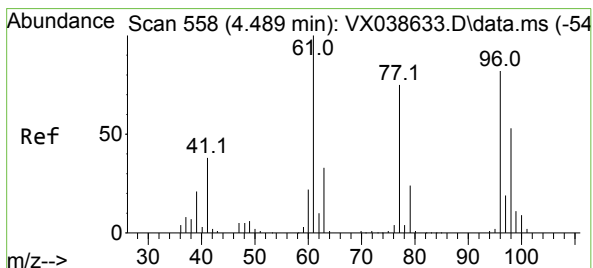
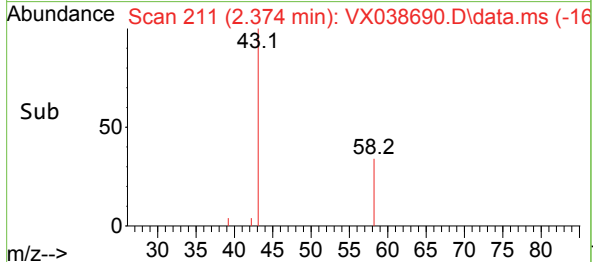
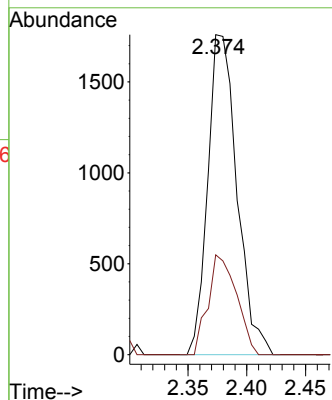
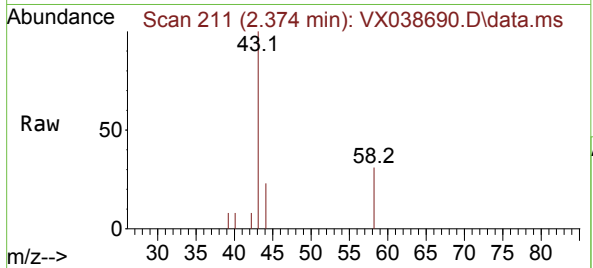




#16
Acetone
Concen: 2.228 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

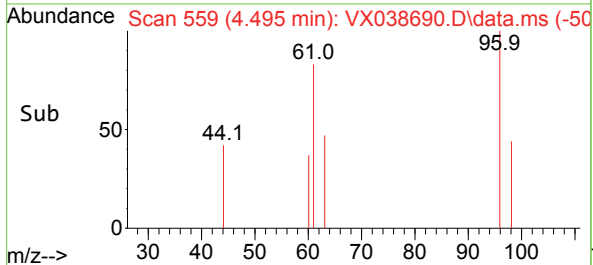
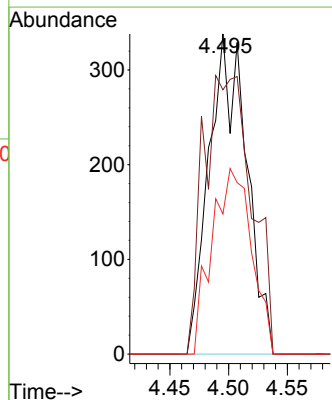
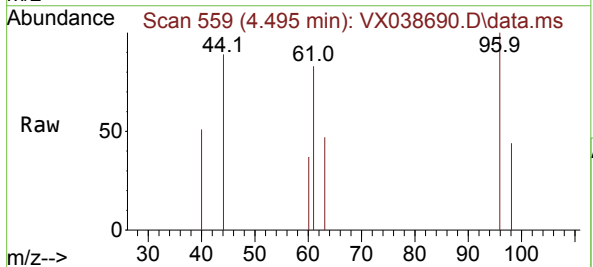
Instrument :
MSVOA_X
ClientSampleId :

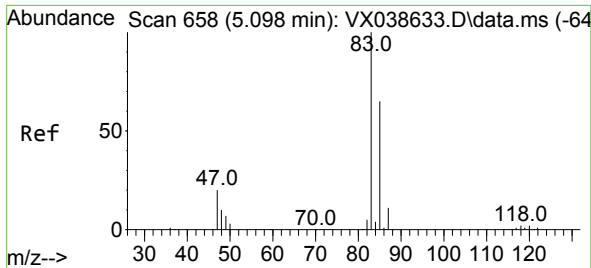
Tgt Ion: 43 Resp: 3042
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9



#27
cis-1,2-Dichloroethene
Concen: 0.246 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion: 96 Resp: 751
Ion Ratio Lower Upper
96 100
61 111.6 0.0 312.2
98 61.5 0.0 129.0

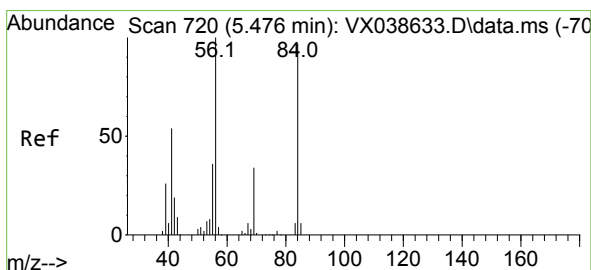
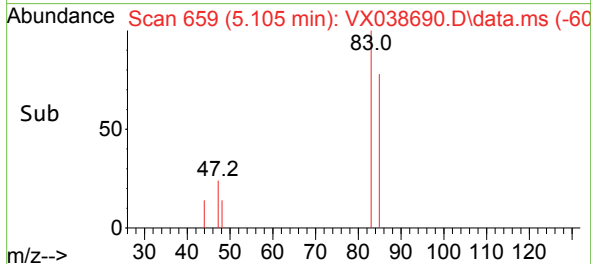
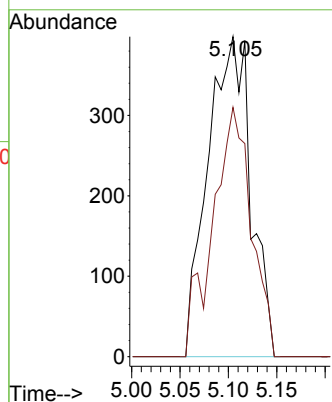
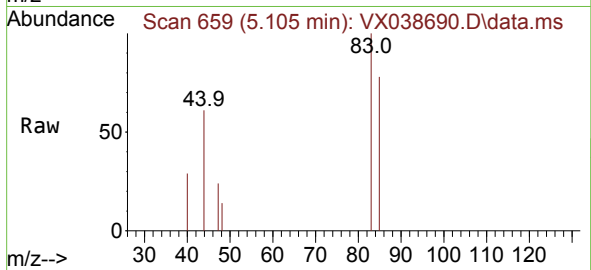




#30
Chloroform
Concen: 0.242 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

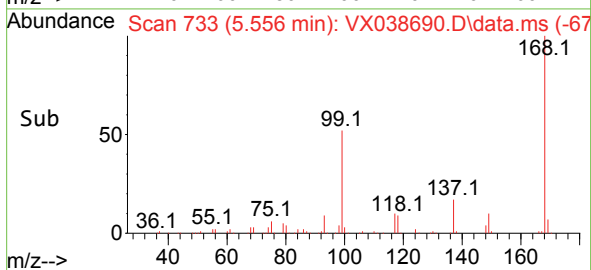
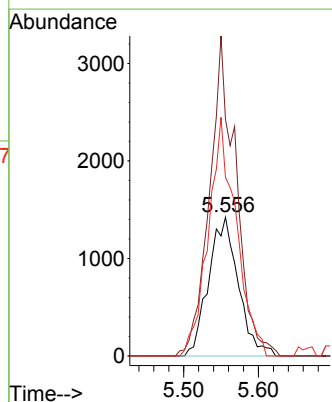
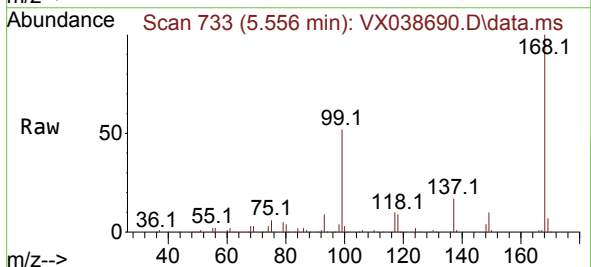
Instrument :
MSVOA_X
ClientSampleId :

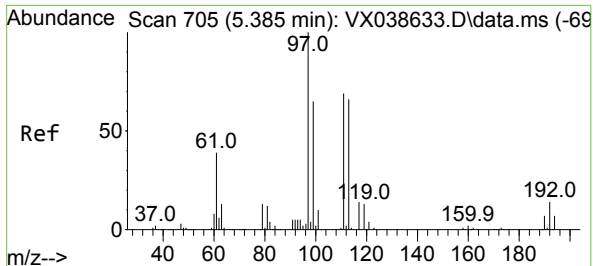
Tgt Ion: 83 Resp: 1231
Ion Ratio Lower Upper
83 100
85 77.9 50.3 75.5#



#31
Cyclohexane
Concen: 1.098 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

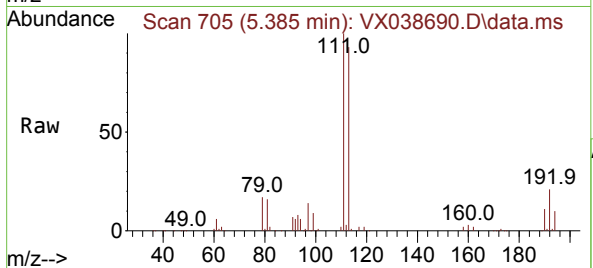
Tgt Ion: 56 Resp: 3941
Ion Ratio Lower Upper
56 100
69 170.6 23.4 35.2#
84 128.7 65.9 98.9#



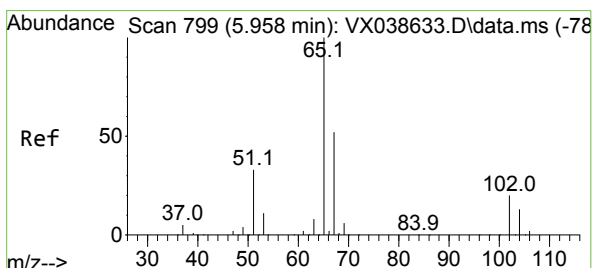
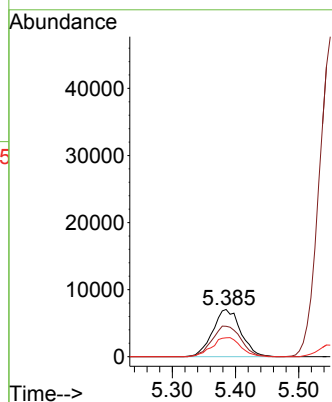
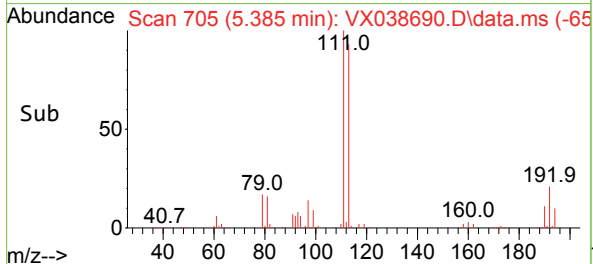


#32
1,1,1-Trichloroethane
Concen: 4.833 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Instrument :
MSVOA_X
ClientSampleId :

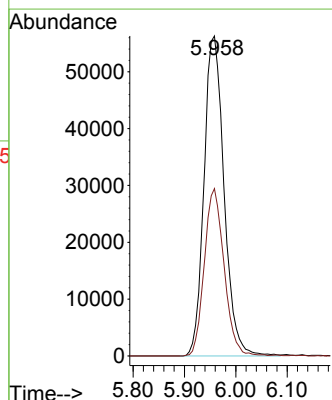
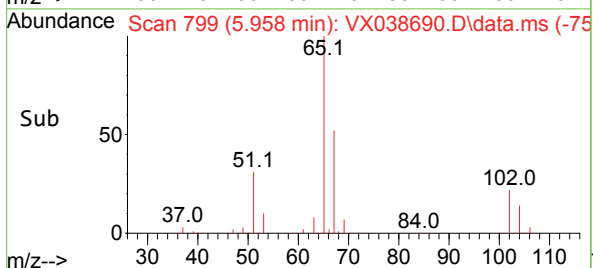
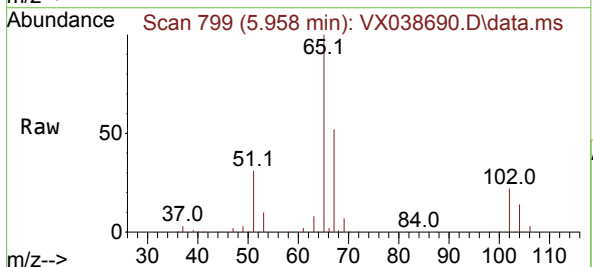


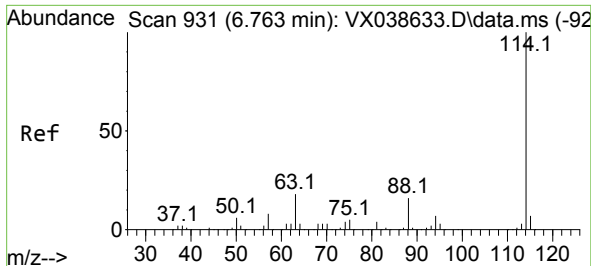
Tgt Ion: 97 Resp: 21657
Ion Ratio Lower Upper
97 100
99 66.7 51.1 76.7
61 41.0 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 47.151 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion: 65 Resp: 152846
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

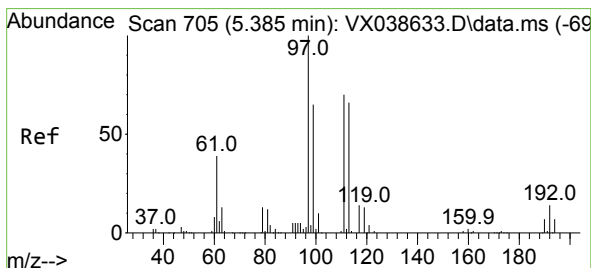
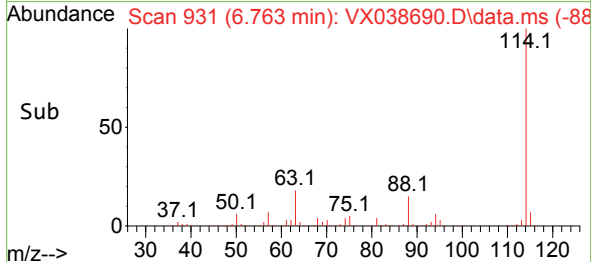
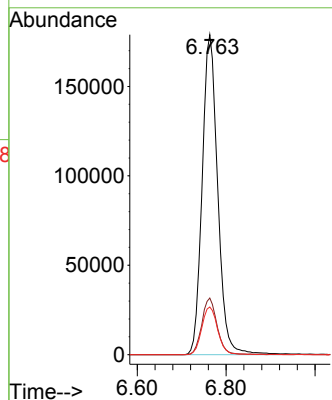
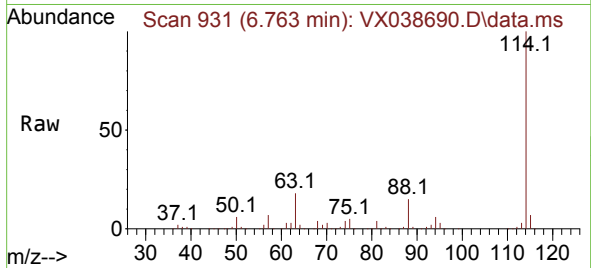




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

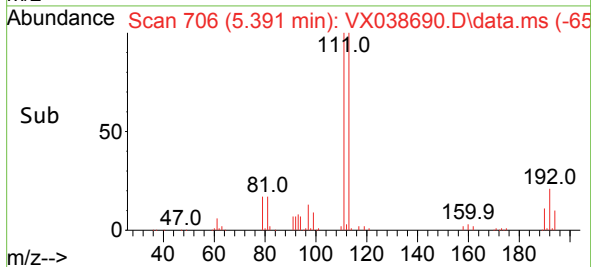
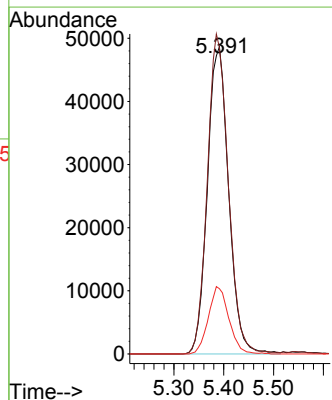
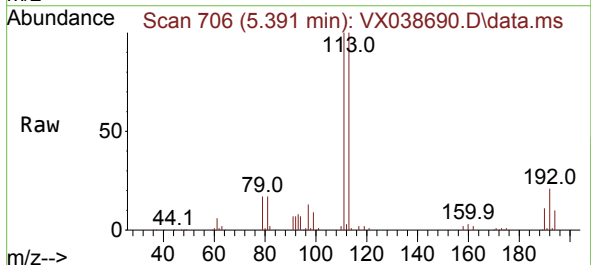
Instrument :
MSVOA_X
ClientSampleId :

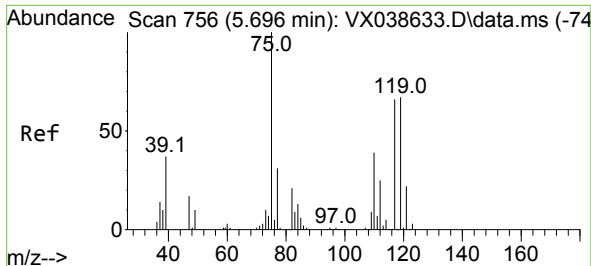
Tgt Ion:114 Resp: 435902
Ion Ratio Lower Upper
114 100
63 17.7 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.920 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion:113 Resp: 144165
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 21.1 13.3 19.9#

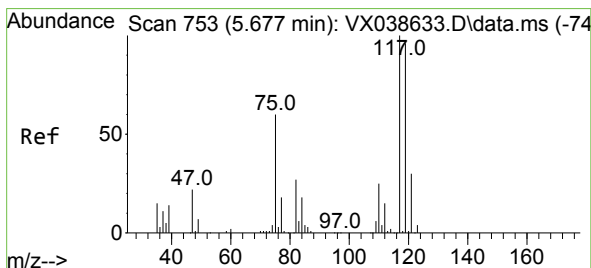
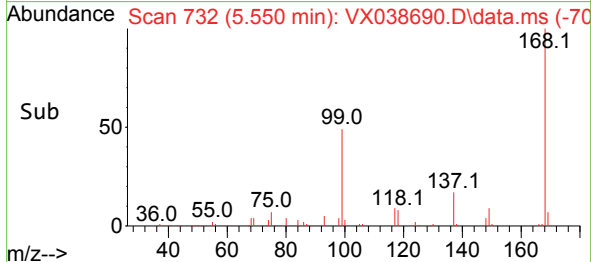
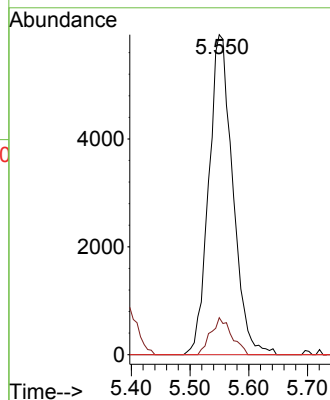
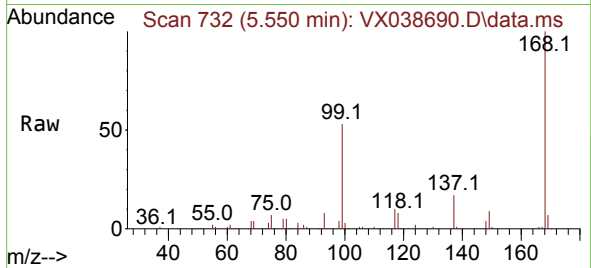




#36
1,1-Dichloropropene
Concen: 4.315 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

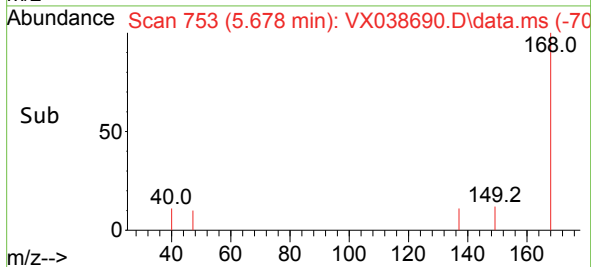
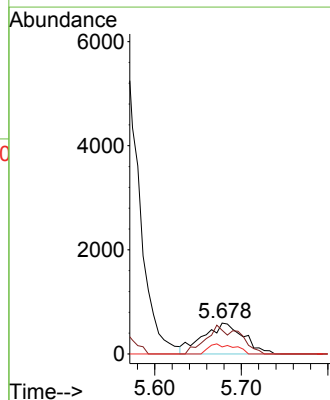
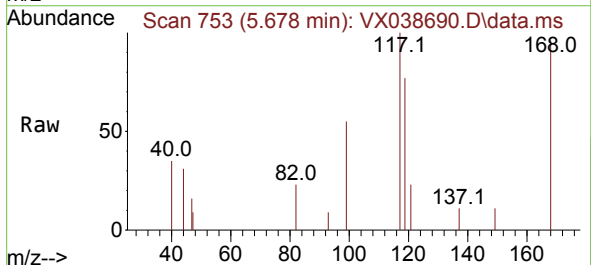
Instrument :
MSVOA_X
ClientSampleId :

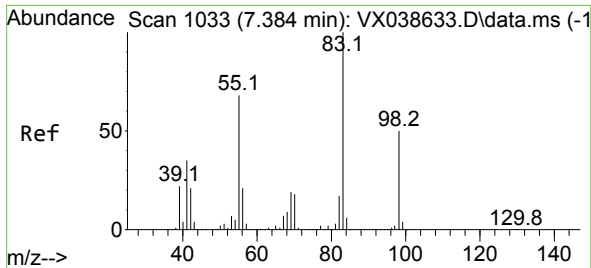
Tgt Ion: 75 Resp: 16829
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.443 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion: 117 Resp: 1933
Ion Ratio Lower Upper
117 100
119 77.0 78.2 117.2#
121 22.8 24.4 36.6#

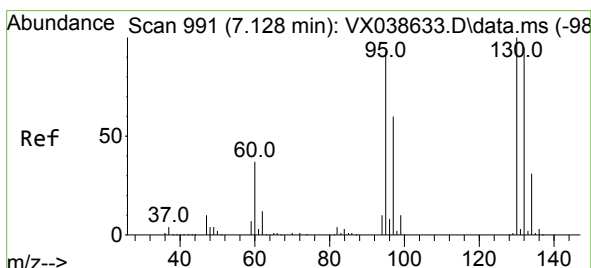
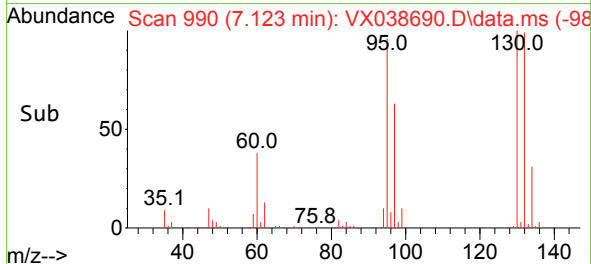
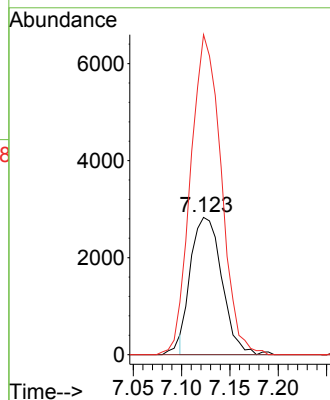
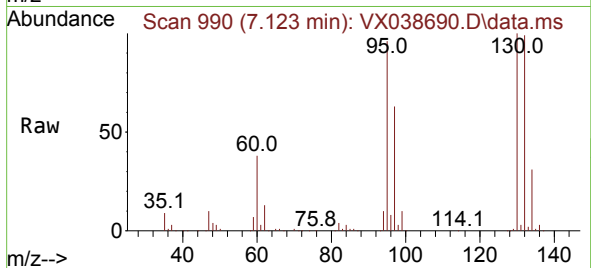




#39
Methylcyclohexane
Concen: 1.298 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

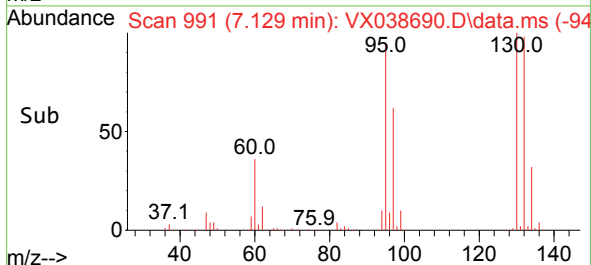
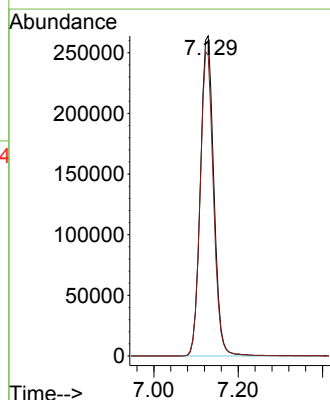
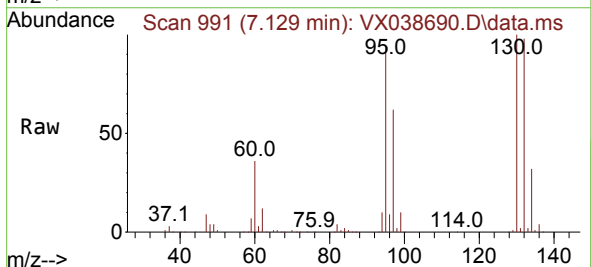
Instrument :
MSVOA_X
ClientSampleId :

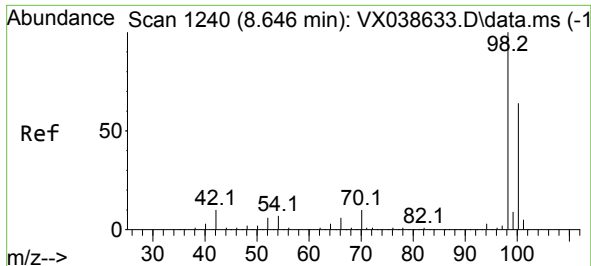
Tgt Ion: 83 Resp: 6329
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 233.1 36.7 55.1#



#44
Trichloroethene
Concen: 167.065 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion:130 Resp: 583885
Ion Ratio Lower Upper
130 100
95 93.9 0.0 204.4

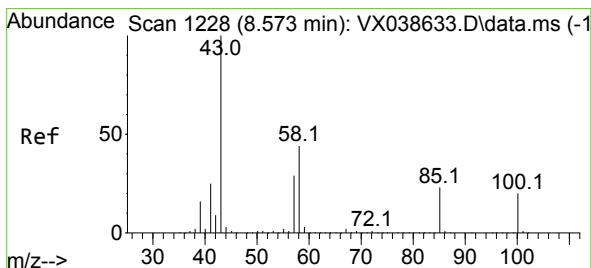
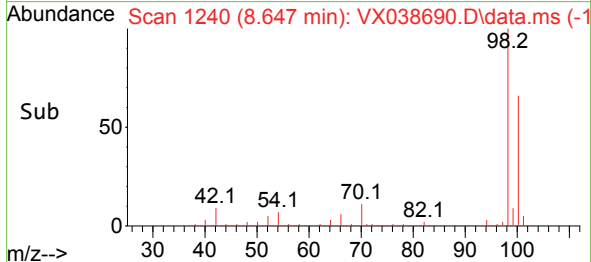
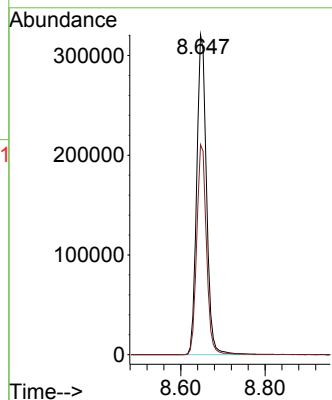
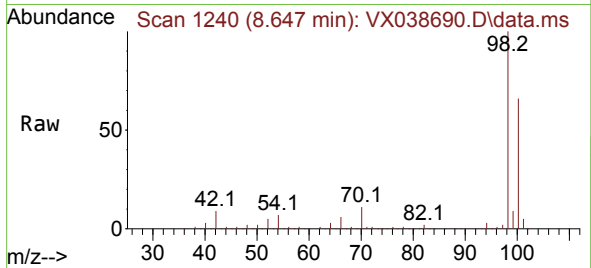




#50
Toluene-d8
Concen: 46.137 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

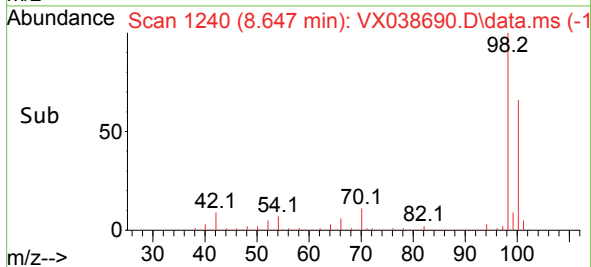
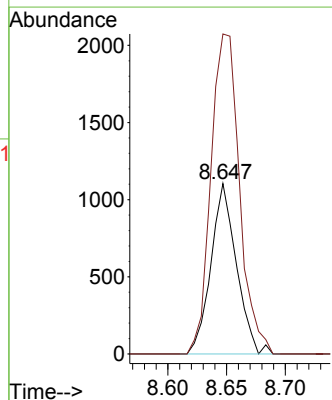
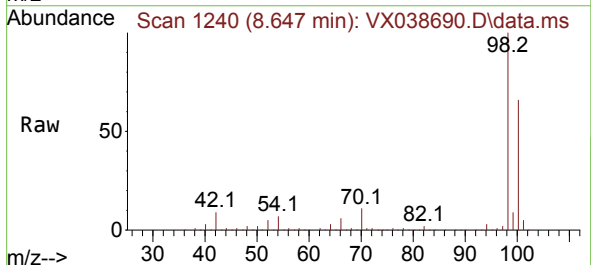
Instrument :
MSVOA_X
ClientSampleId :

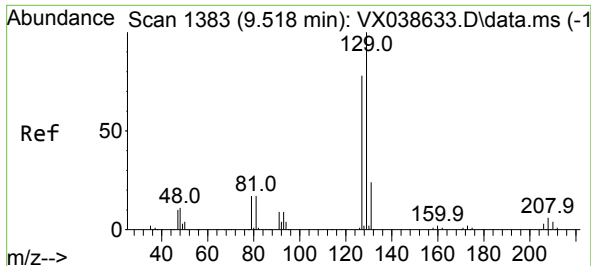
Tgt Ion: 98 Resp: 518323
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.418 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
58 210.7 30.4 45.6#

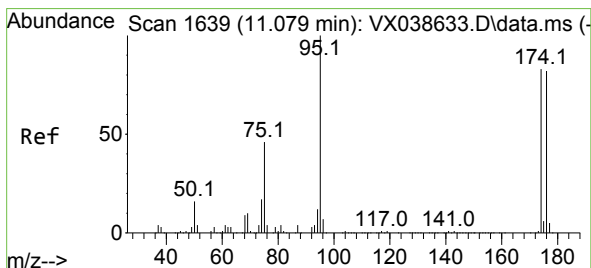
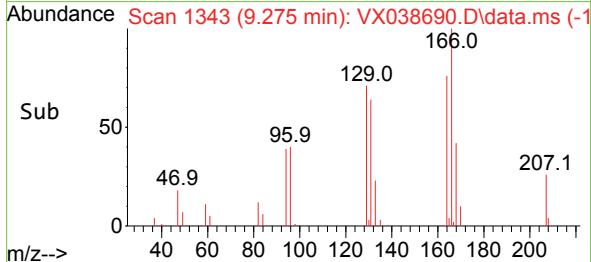
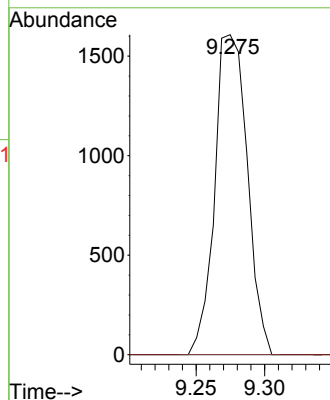
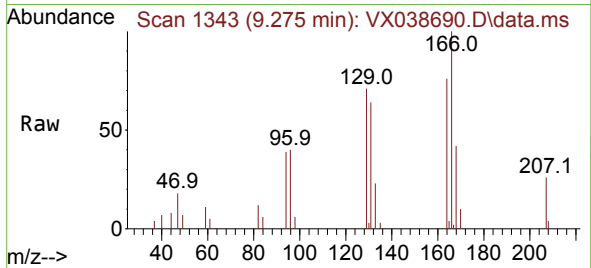




#60
Dibromochloromethane
Concen: 0.759 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

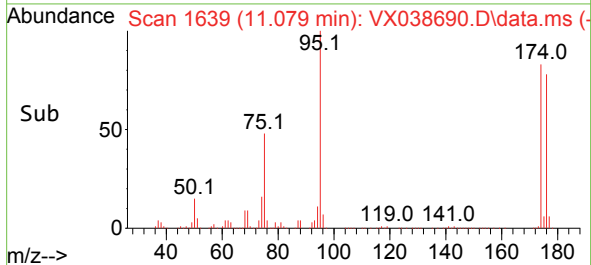
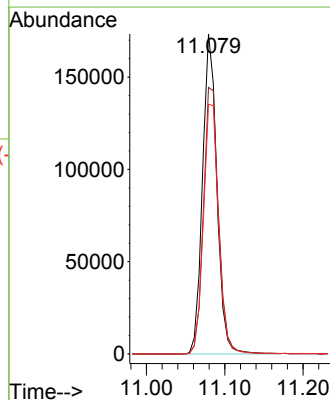
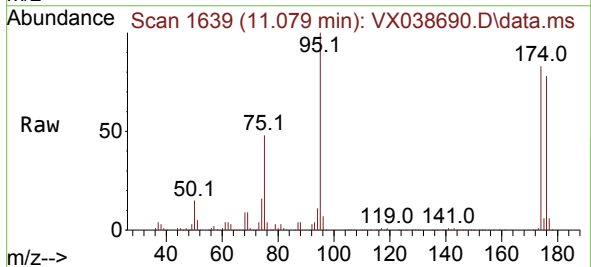
Instrument :
MSVOA_X
ClientSampleId :

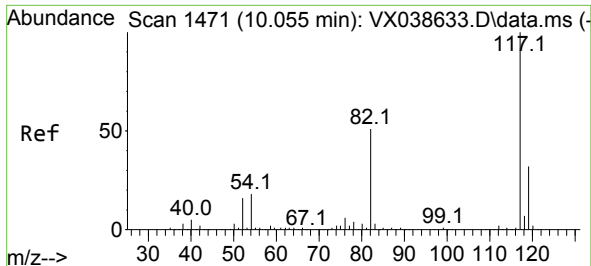
Tgt Ion:129 Resp: 2660
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion: 95 Resp: 220105
Ion Ratio Lower Upper
95 100
174 88.3 0.0 135.6
176 83.2 0.0 131.0

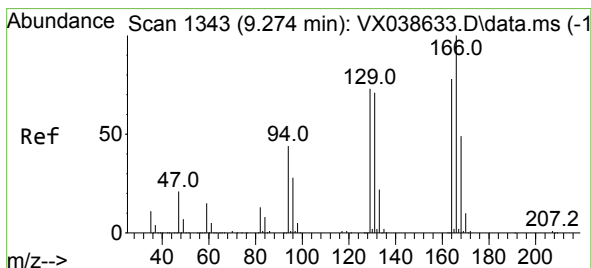
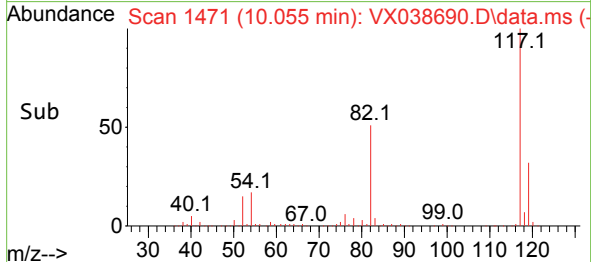
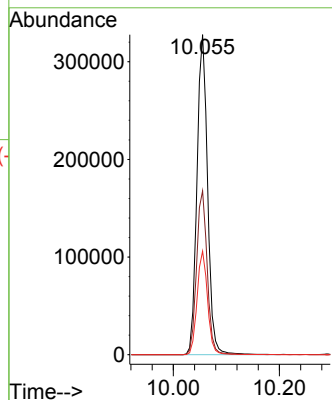
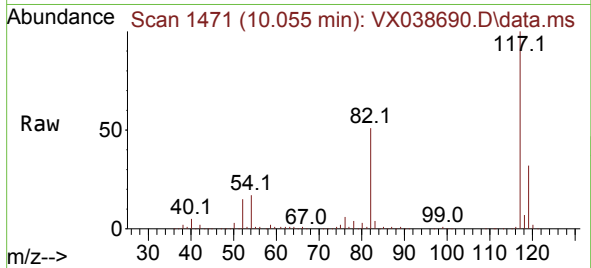




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

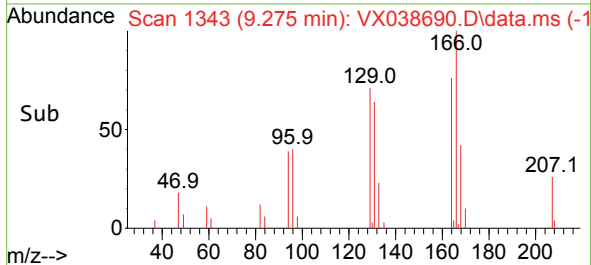
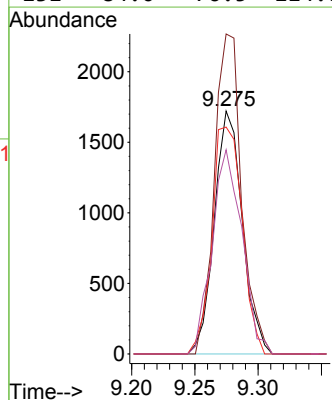
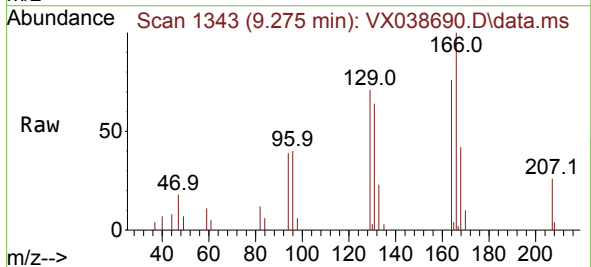
Instrument :
MSVOA_X
ClientSampleId :

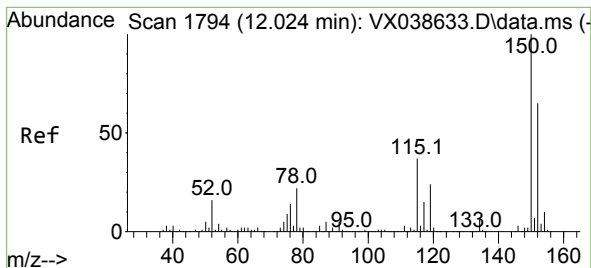
Tgt Ion:117 Resp: 455839
Ion Ratio Lower Upper
117 100
82 51.2 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.775 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038690.D
Acq: 09 Nov 2023 18:56

Tgt Ion:164 Resp: 2646
Ion Ratio Lower Upper
164 100
166 131.7 102.7 154.1
129 93.4 80.4 120.6
131 84.0 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038690.D

Acq: 09 Nov 2023 18:56

Instrument :

MSVOA_X

ClientSampleId :

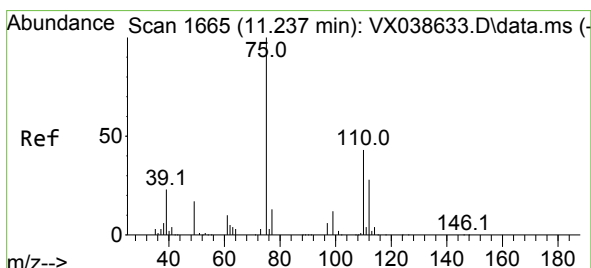
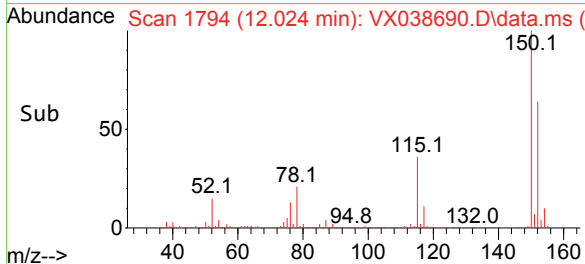
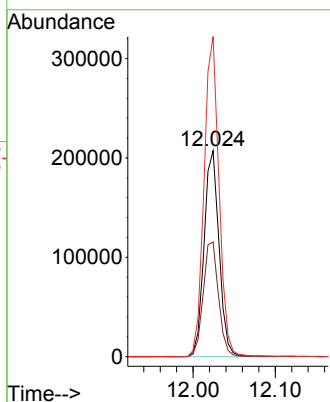
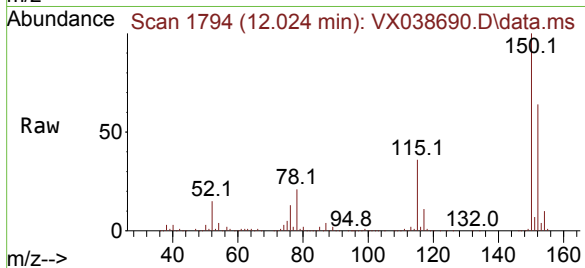
Tgt Ion:152 Resp: 262579

Ion Ratio Lower Upper

152 100

115 57.1 43.3 129.9

150 155.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.177 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038690.D

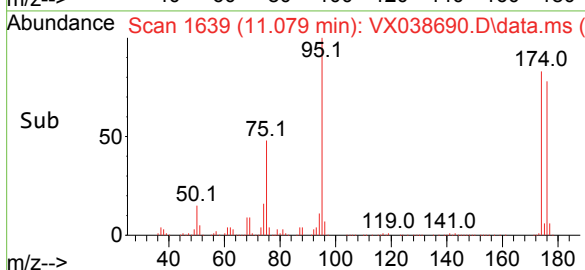
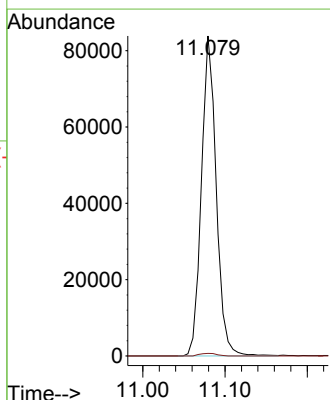
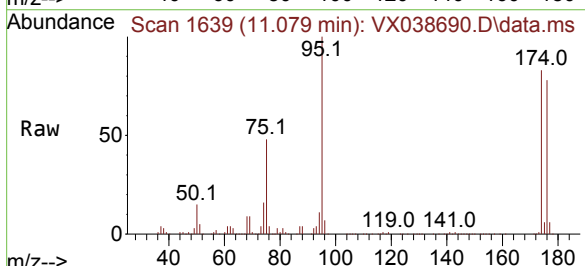
Acq: 09 Nov 2023 18:56

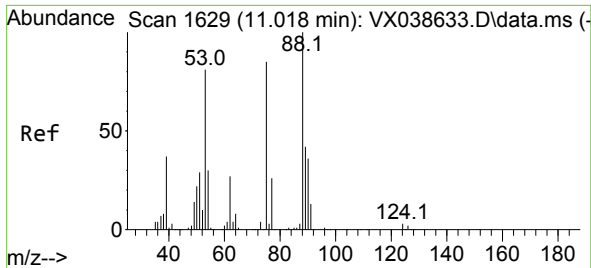
Tgt Ion: 75 Resp: 104926

Ion Ratio Lower Upper

75 100

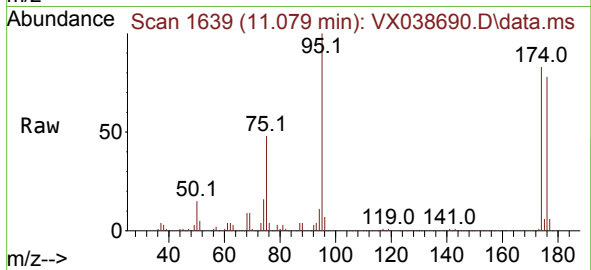
77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.606 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX038690.D
 Acq: 09 Nov 2023 18:56

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 104926
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

