

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100423\
 Data File : VX038070.D
 Acq On : 04 Oct 2023 17:08
 Operator : JC/MD
 Sample : 04656-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 01:04:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 09:08:35 2023
 Response via : Initial Calibration

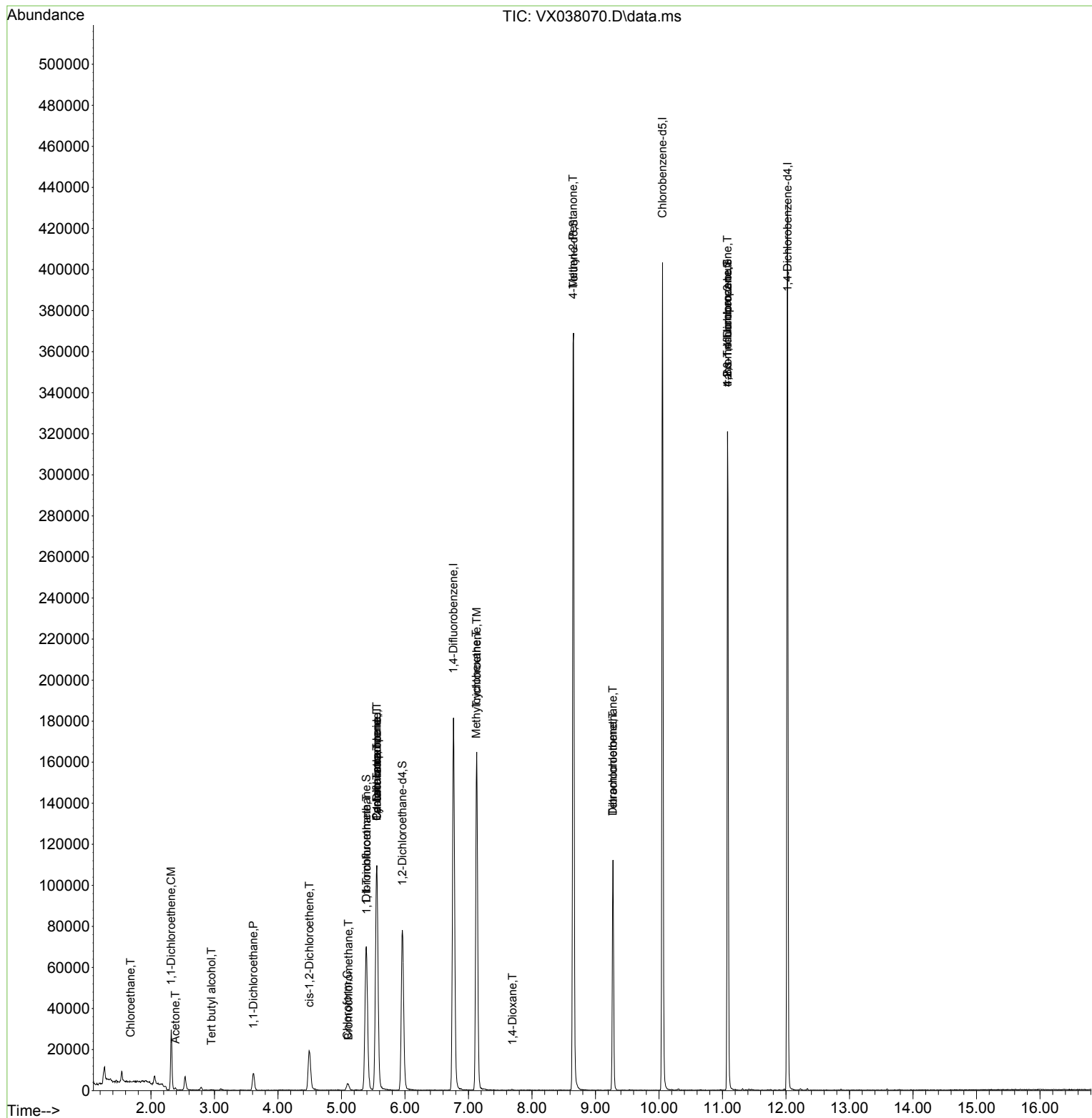
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	102499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	179995	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74651	46.808	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.620%		
35) Dibromofluoromethane	5.391	113	58123	47.069	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.140%		
50) Toluene-d8	8.653	98	225065	47.625	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.260%		
62) 4-Bromofluorobenzene	11.079	95	79430	46.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.360%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	259	0.284	ug/l #	43
11) Tert butyl alcohol	2.953	59	157	0.438	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	8883	9.153	ug/l	87
16) Acetone	2.386	43	1192	1.702	ug/l	99
20) Methylene Chloride	2.794	84	588	Below Cal	#	93
24) 1,1-Dichloroethane	3.611	63	9395	4.307	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	12788	9.406	ug/l	81
28) Bromochloromethane	5.111	49	327	0.319	ug/l #	16
30) Chloroform	5.093	83	3775	1.589	ug/l	92
31) Cyclohexane	5.556	56	2645	1.418	ug/l #	40
32) 1,1,1-Trichloroethane	5.397	97	1574	0.796	ug/l #	52
36) 1,1-Dichloropropene	5.556	75	9245	5.080	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10712	6.049	ug/l #	14
39) Methylcyclohexane	7.123	83	831	0.386	ug/l #	1
44) Trichloroethene	7.129	130	59691	43.087	ug/l	98
49) 1,4-Dioxane	7.690	88	241	7.062	ug/l #	75
51) 4-Methyl-2-Pentanone	8.647	43	957	0.435	ug/l #	1
60) Dibromochloromethane	9.275	129	18757	14.446	ug/l #	11
64) Tetrachloroethene	9.275	164	18899	16.260	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	45147	22.857	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45147	77.195	ug/l #	5

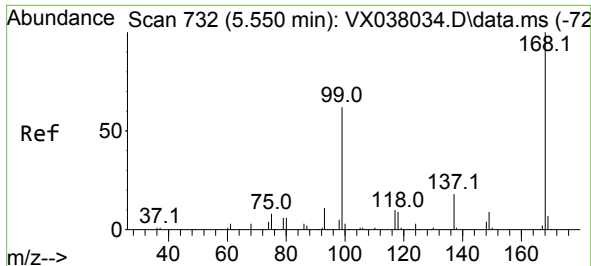
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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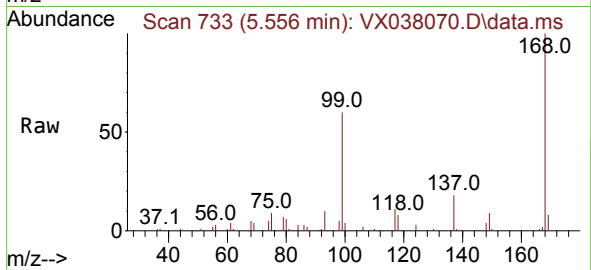
Quant Time: Oct 05 01:04:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 04 09:08:35 2023
Response via : Initial Calibration



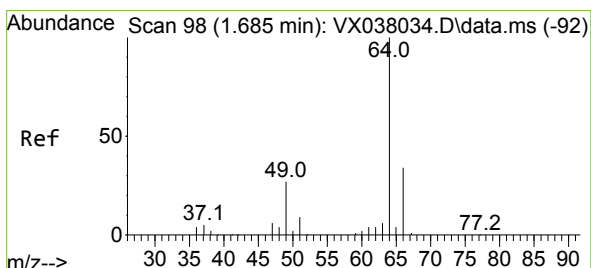
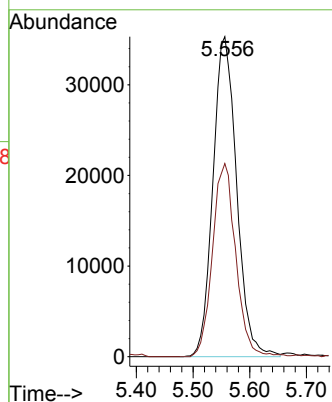
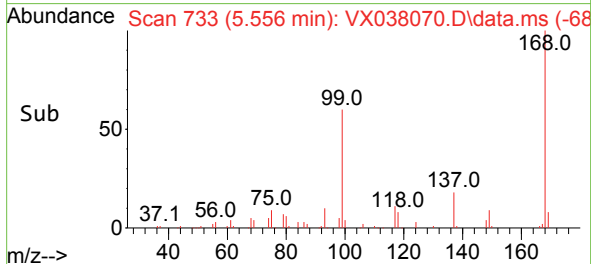


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Instrument :
MSVOA_X
ClientSampleId :

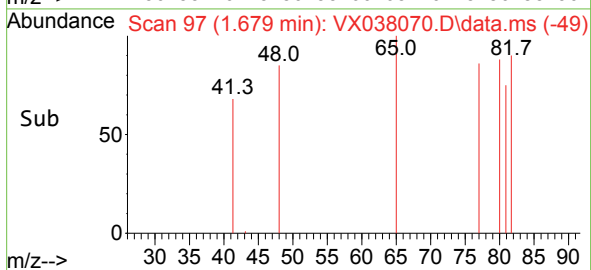
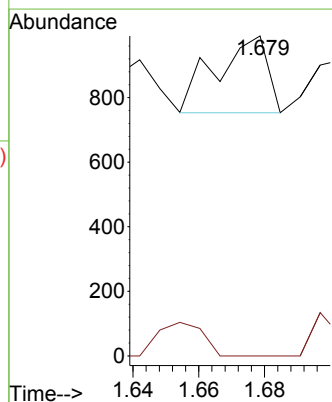
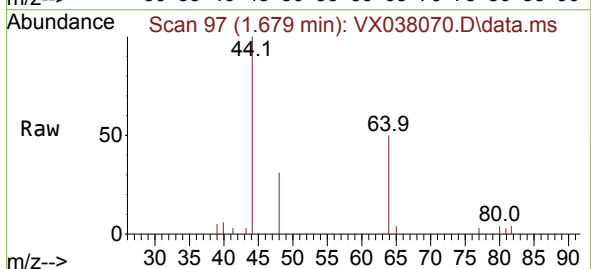


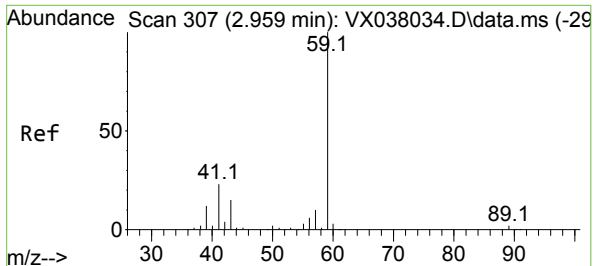
Tgt Ion:168 Resp: 102499
Ion Ratio Lower Upper
168 100
99 60.4 56.6 85.0



#6
Chloroethane
Concen: 0.284 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.438 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX038070.D

Acq: 04 Oct 2023 17:08

Instrument :

MSVOA_X

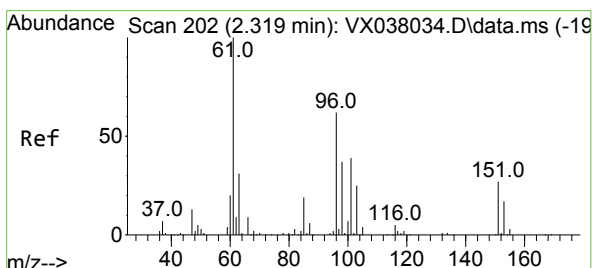
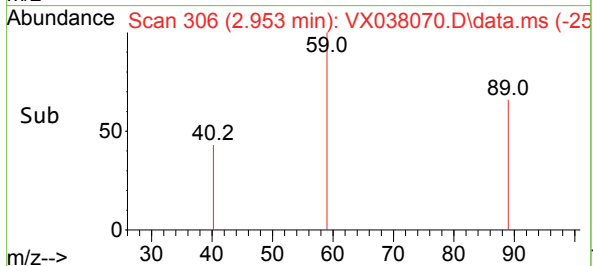
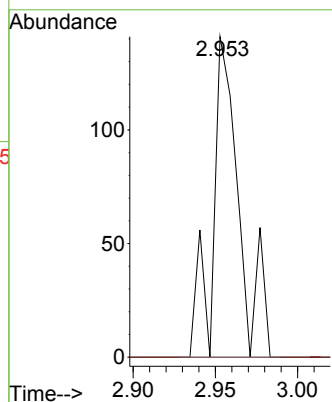
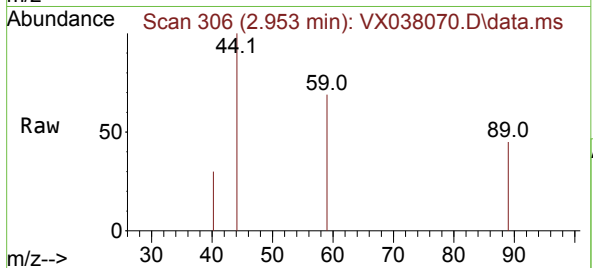
ClientSampleId :

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 9.153 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX038070.D

Acq: 04 Oct 2023 17:08

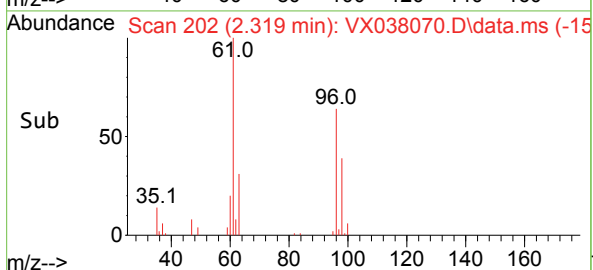
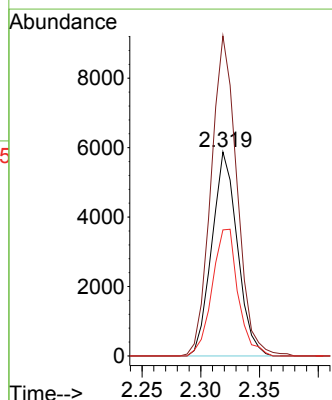
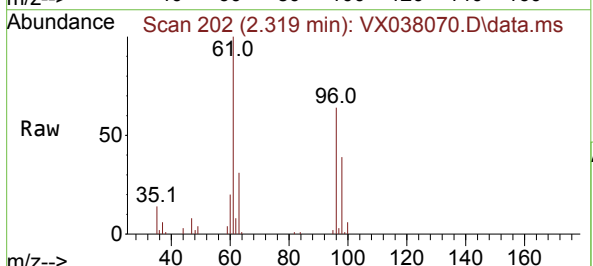
Tgt Ion: 96 Resp: 8883

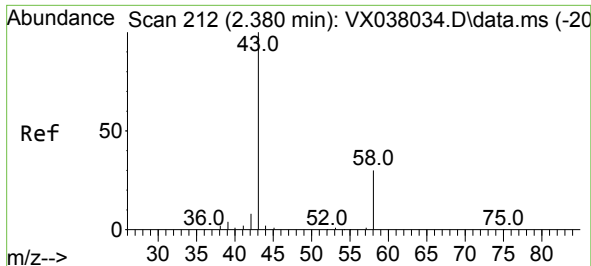
Ion Ratio Lower Upper

96 100

61 156.9 144.6 216.8

98 61.8 50.4 75.6

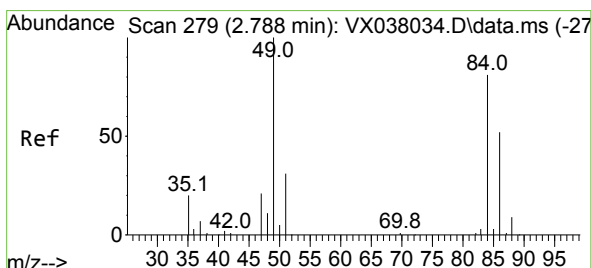
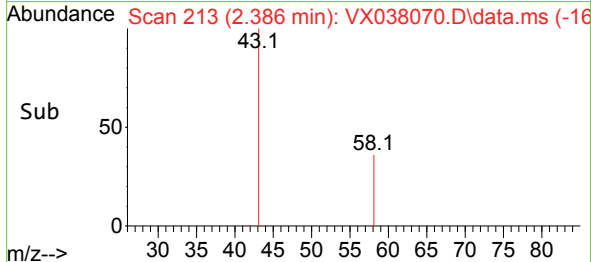
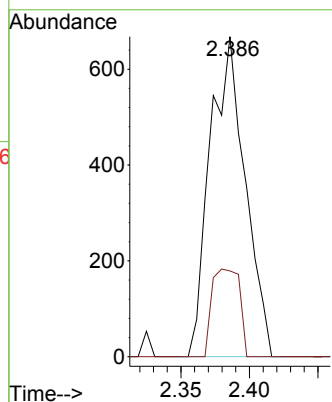
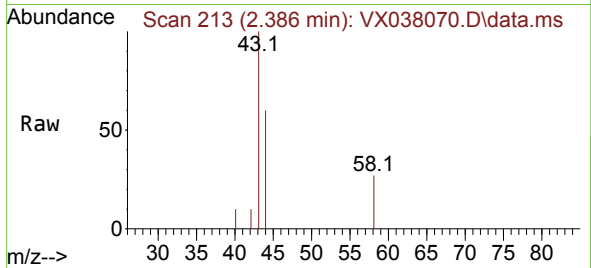




#16
Acetone
Concen: 1.702 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

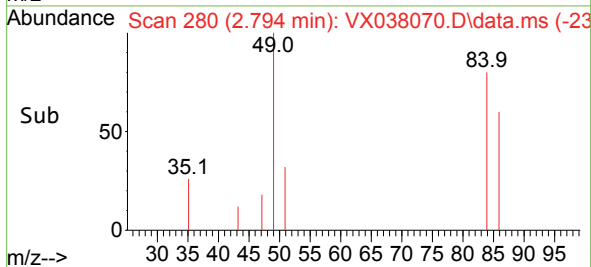
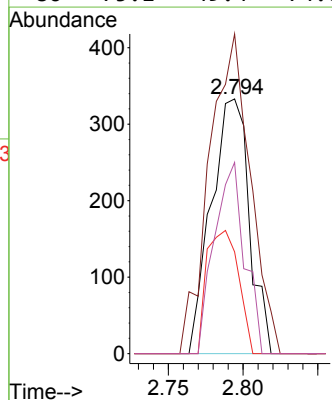
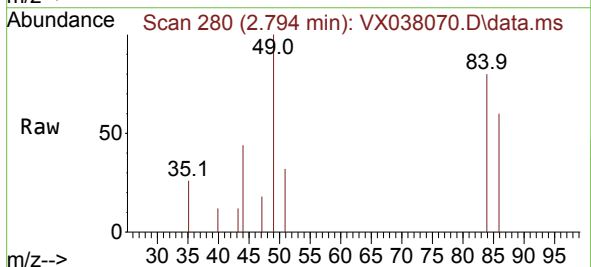
Instrument :
MSVOA_X
ClientSampleId :

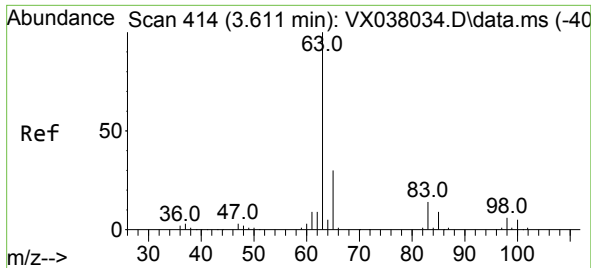
Tgt Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
58 26.8 21.9 32.9



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

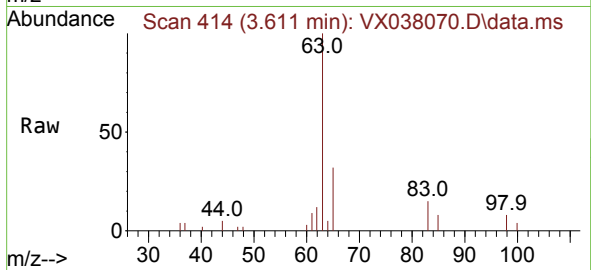
Tgt Ion: 84 Resp: 588
Ion Ratio Lower Upper
84 100
49 125.5 103.6 155.4
51 39.9 33.8 50.6
86 75.1 49.4 74.0#



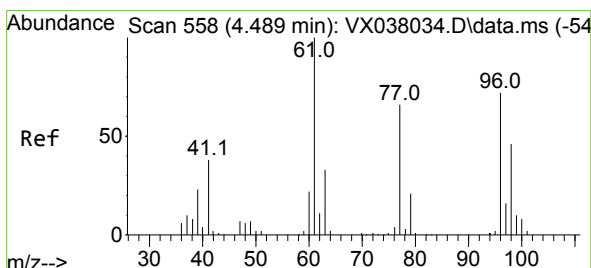
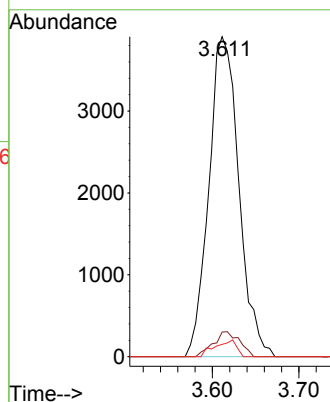
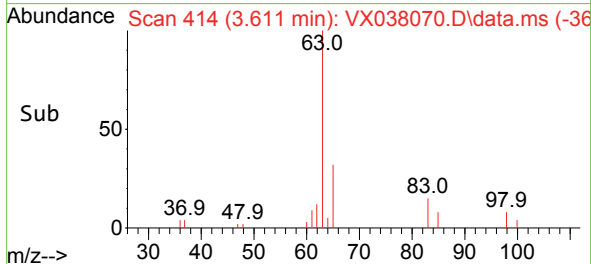


#24
 1,1-Dichloroethane
 Concen: 4.307 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX038070.D
 Acq: 04 Oct 2023 17:08

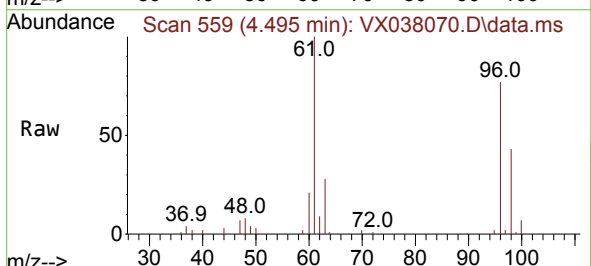
Instrument :
 MSVOA_X
 ClientSampleId :



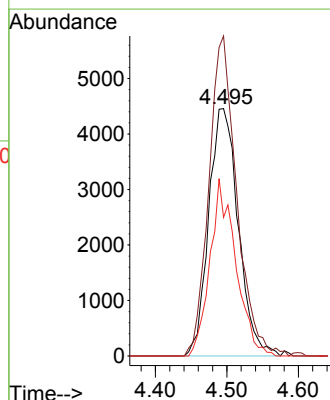
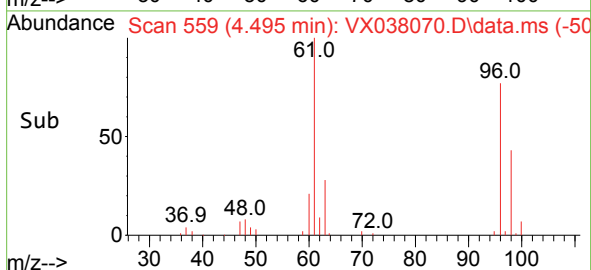
Tgt Ion: 63 Resp: 9395
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.3 9.8
 100 3.8 2.1 6.5

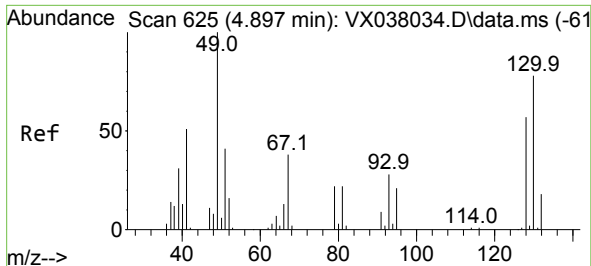


#27
 cis-1,2-Dichloroethene
 Concen: 9.406 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: VX038070.D
 Acq: 04 Oct 2023 17:08



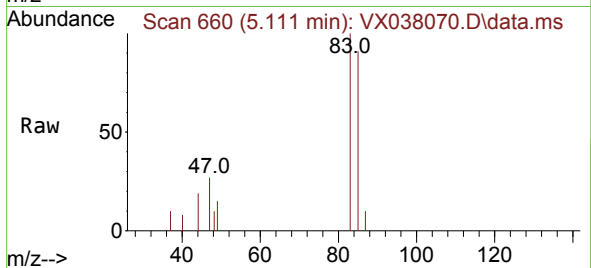
Tgt Ion: 96 Resp: 12788
 Ion Ratio Lower Upper
 96 100
 61 121.7 0.0 312.2
 98 62.6 0.0 129.0



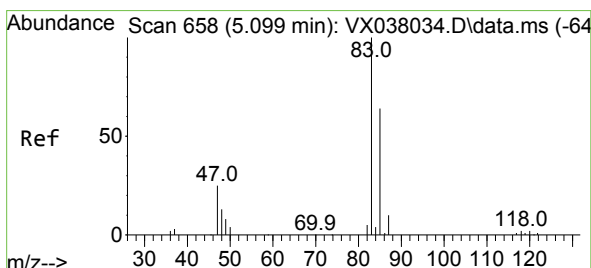
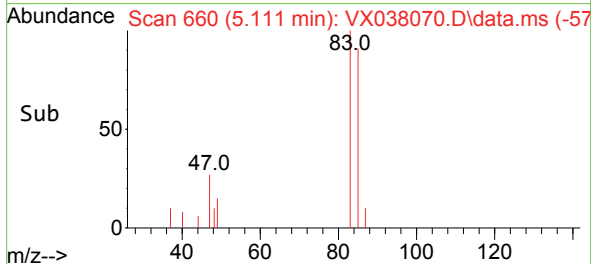
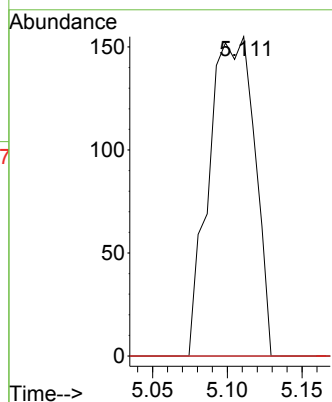


#28
Bromochloromethane
Concen: 0.319 ug/l
RT: 5.111 min Scan# 611
Delta R.T. 0.214 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Instrument :
MSVOA_X
ClientSampleId :

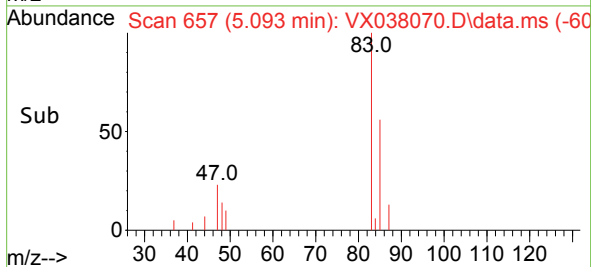
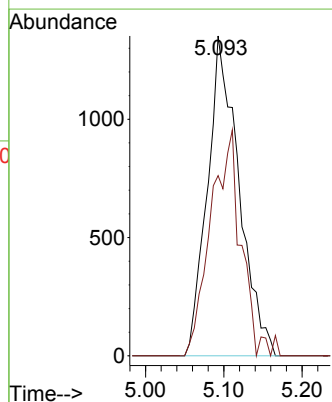
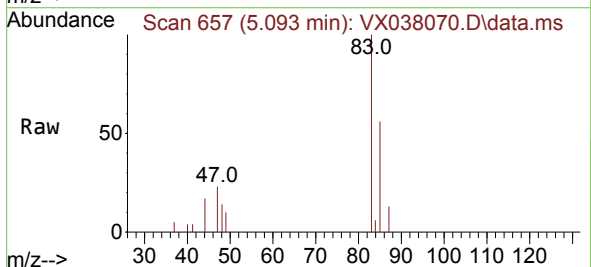


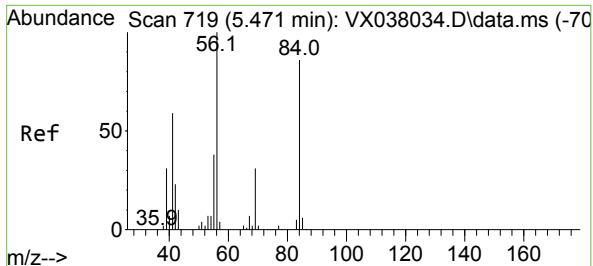
Tgt Ion: 49 Resp: 327
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 1.589 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

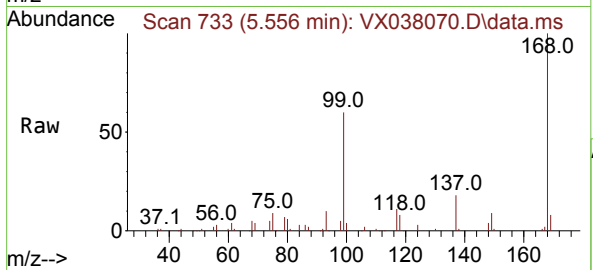
Tgt Ion: 83 Resp: 3775
Ion Ratio Lower Upper
83 100
85 56.4 50.3 75.5



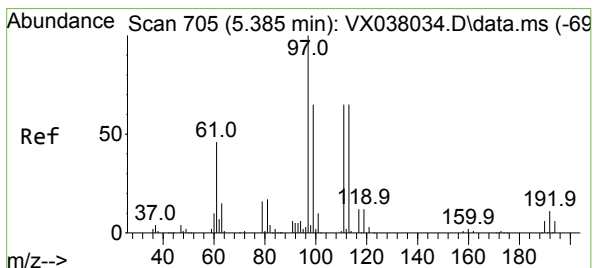
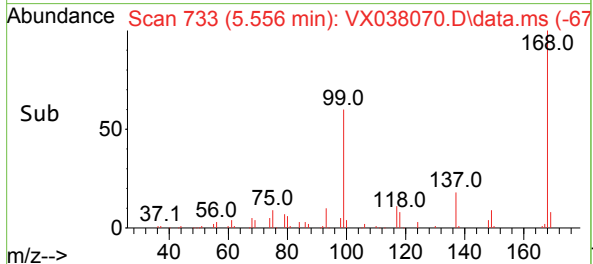
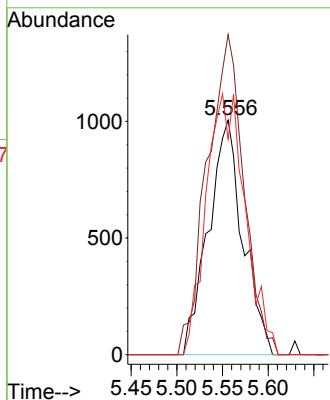


#31
Cyclohexane
Concen: 1.418 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Instrument :
MSVOA_X
ClientSampleId :

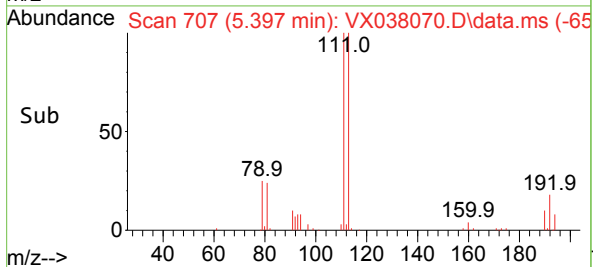
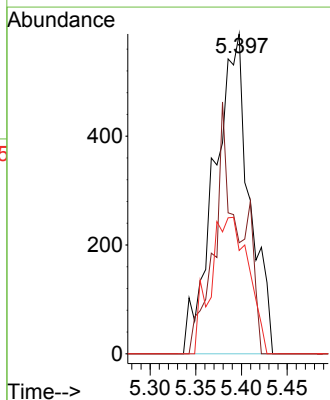
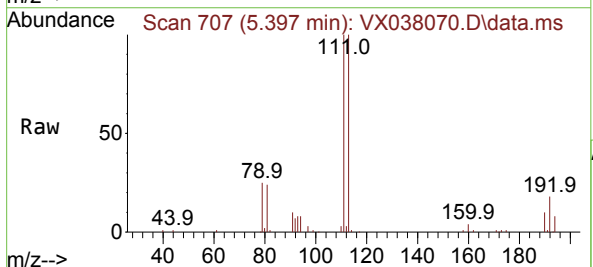


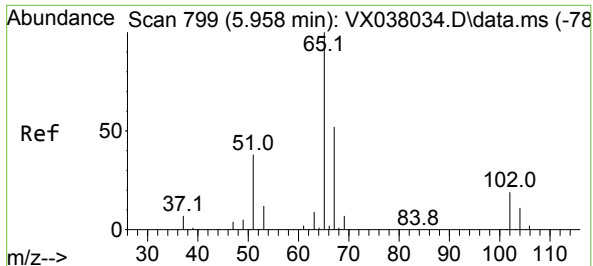
Tgt Ion: 56 Resp: 2645
Ion Ratio Lower Upper
56 100
69 136.4 23.4 35.2#
84 91.9 65.9 98.9



#32
1,1,1-Trichloroethane
Concen: 0.796 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Tgt Ion: 97 Resp: 1574
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 46.1 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 46.808 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038070.D

Acq: 04 Oct 2023 17:08

Instrument :

MSVOA_X

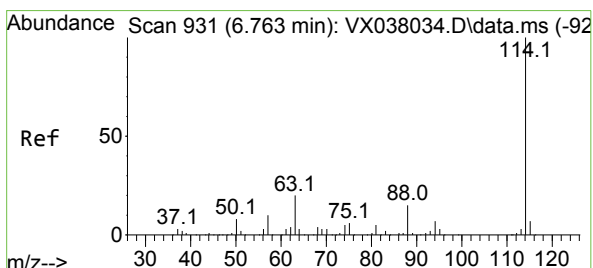
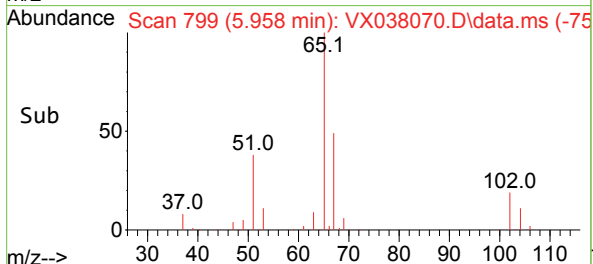
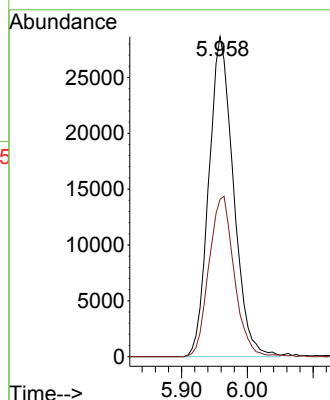
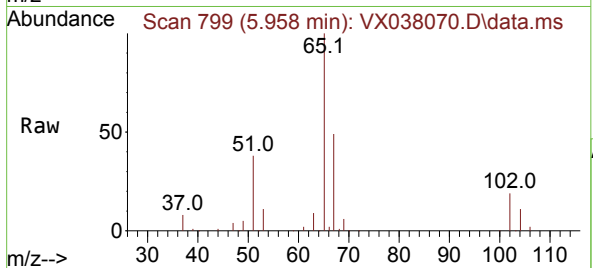
ClientSampleId :

Tgt Ion: 65 Resp: 74651

Ion Ratio Lower Upper

65 100

67 51.6 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: VX038070.D

Acq: 04 Oct 2023 17:08

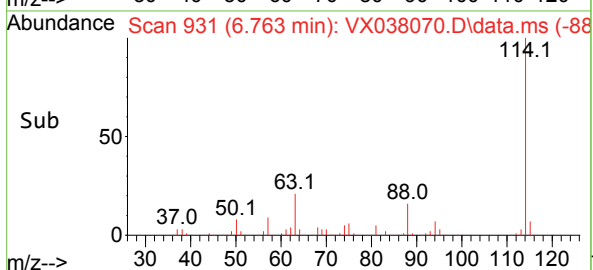
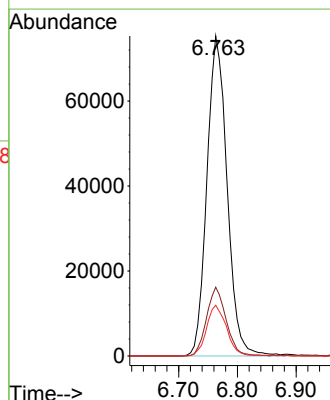
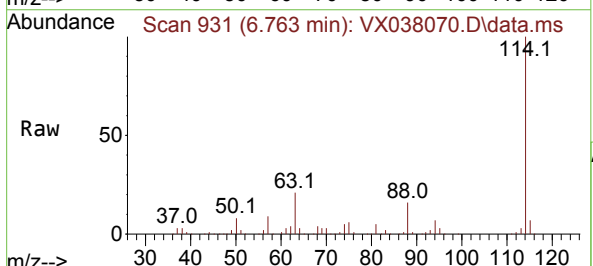
Tgt Ion: 114 Resp: 179995

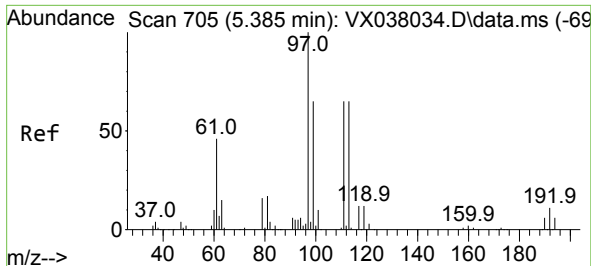
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

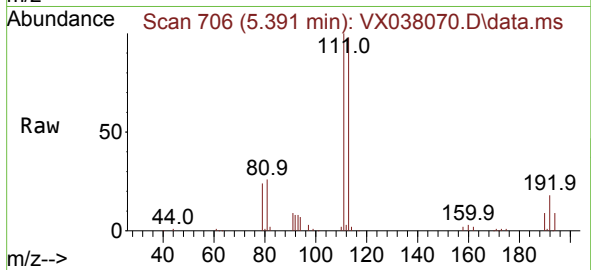
88 15.8 0.0 36.6



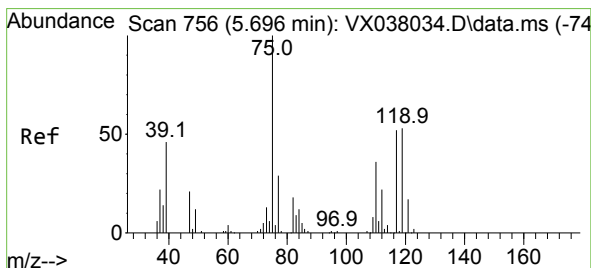
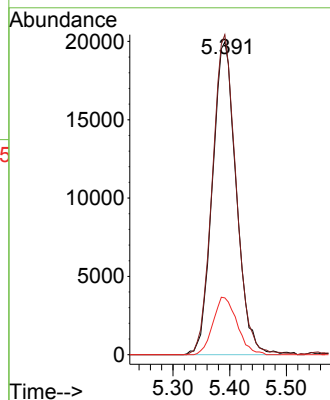
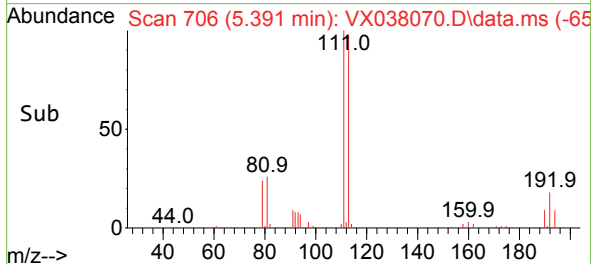


#35
Dibromofluoromethane
Concen: 47.069 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Instrument :
MSVOA_X
ClientSampleId :

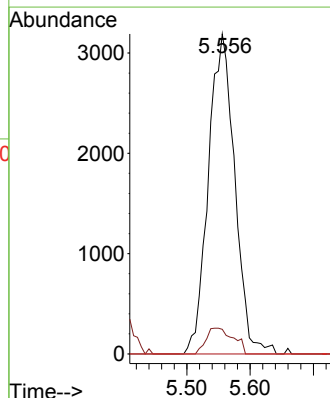
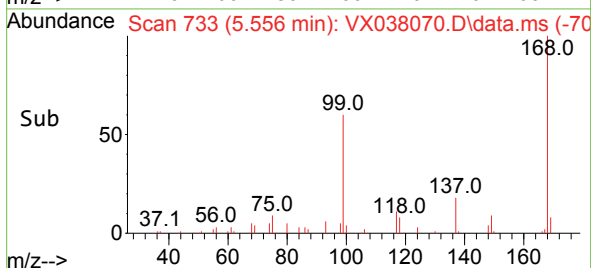
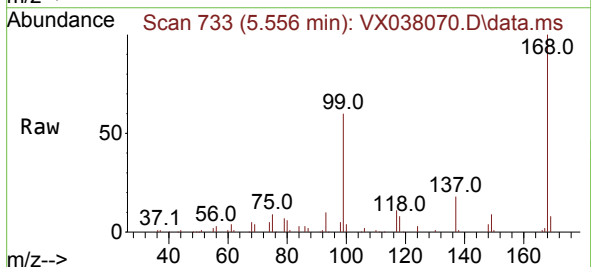


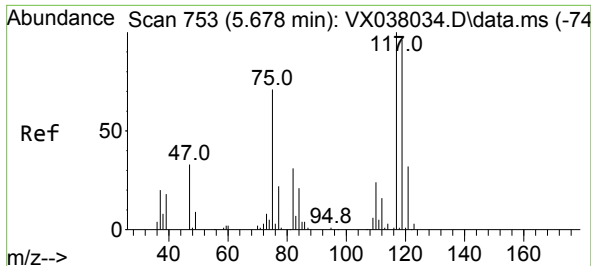
Tgt Ion:113 Resp: 58123
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

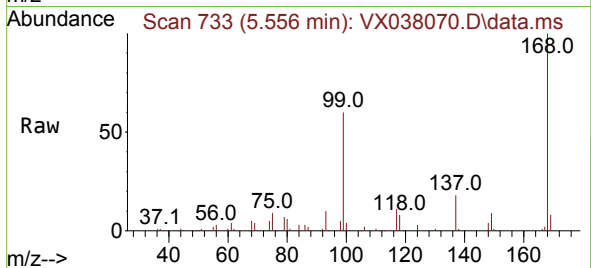
Tgt Ion: 75 Resp: 9245
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



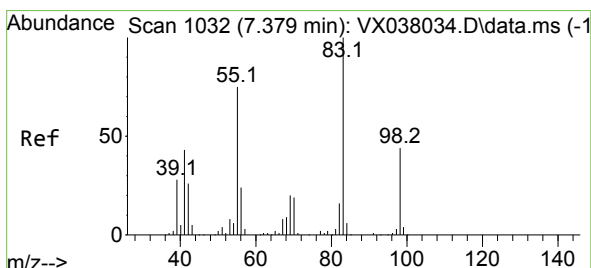
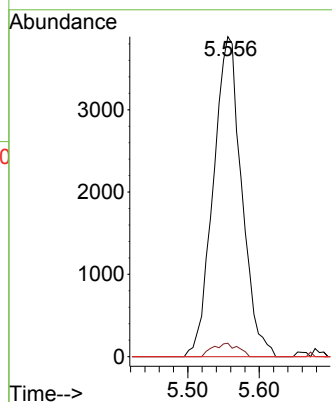
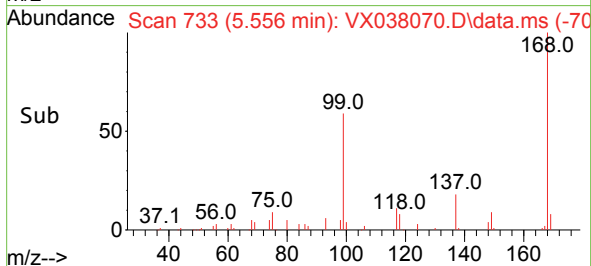


#38
Carbon Tetrachloride
Concen: 6.049 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Instrument :
MSVOA_X
ClientSampleId :

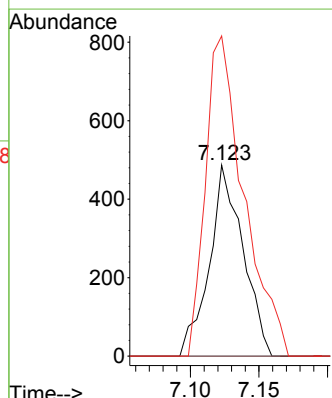
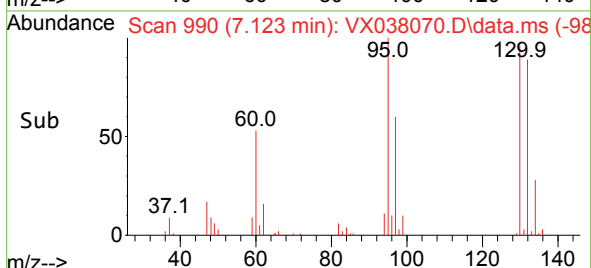
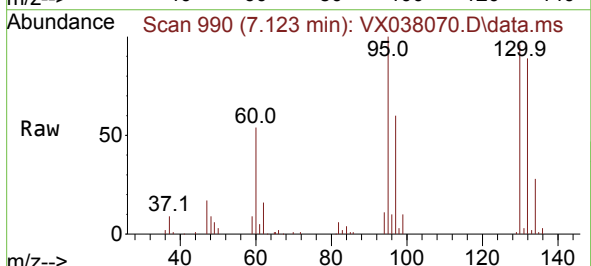


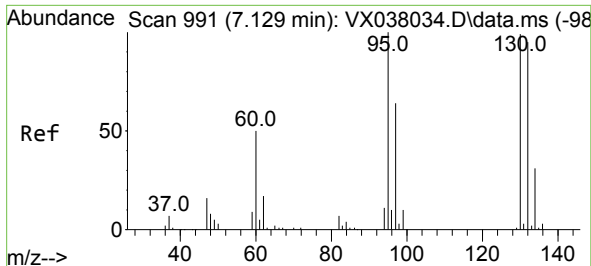
Tgt Ion:117 Resp: 10712
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.386 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Tgt Ion: 83 Resp: 831
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 167.6 36.7 55.1#

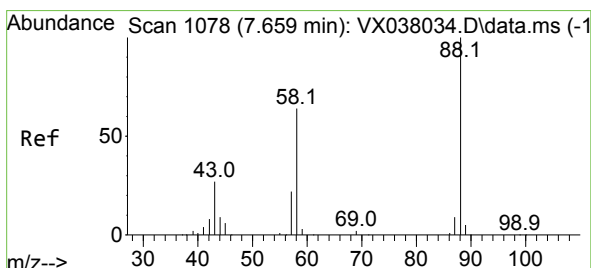
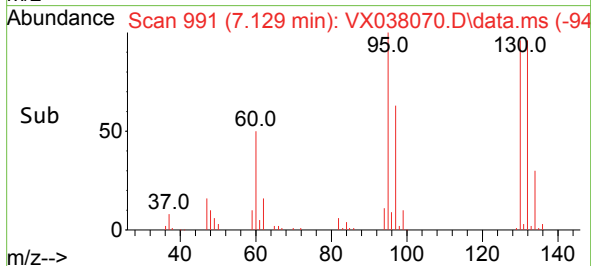
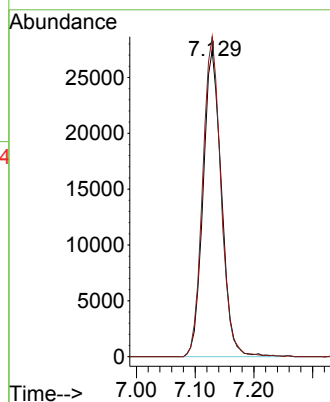
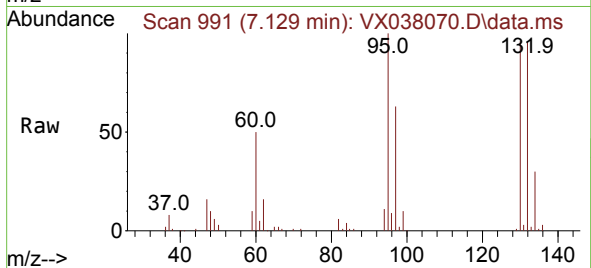




#44
Trichloroethene
Concen: 43.087 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

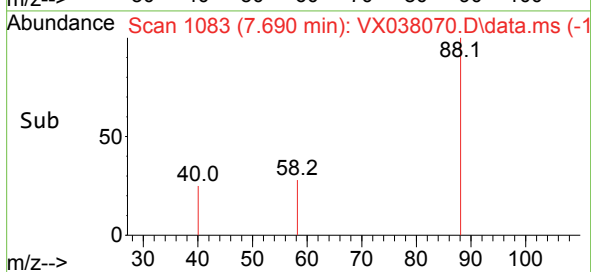
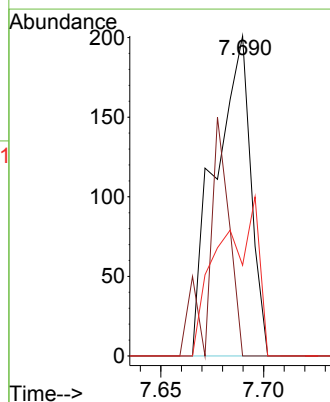
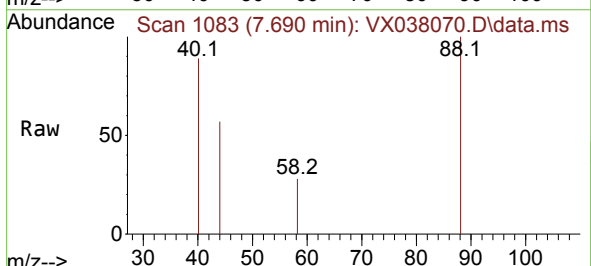
Instrument :
MSVOA_X
ClientSampleId :

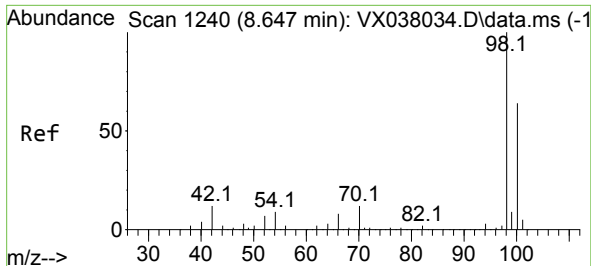
Tgt Ion:130 Resp: 59691
Ion Ratio Lower Upper
130 100
95 104.5 0.0 204.4



#49
1,4-Dioxane
Concen: 7.062 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Tgt Ion: 88 Resp: 241
Ion Ratio Lower Upper
88 100
43 42.3 0.0 0.0#
58 53.9 60.1 90.1#

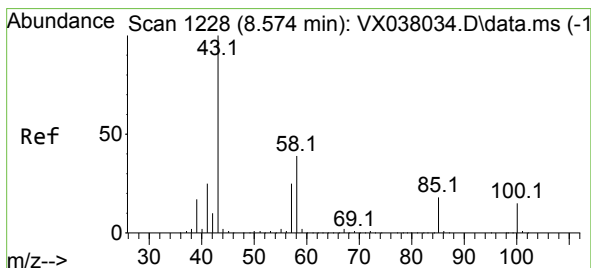
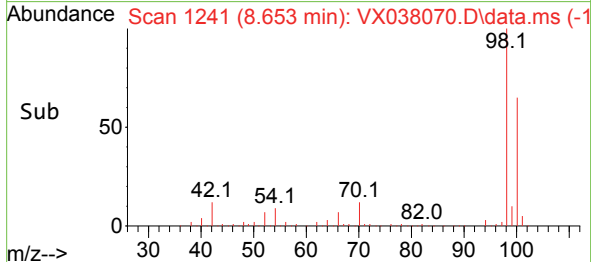
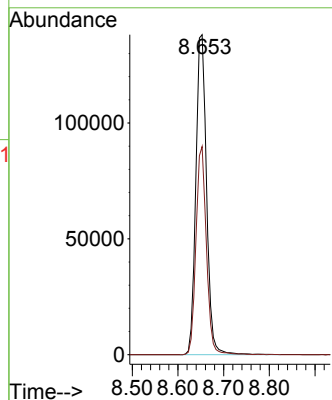
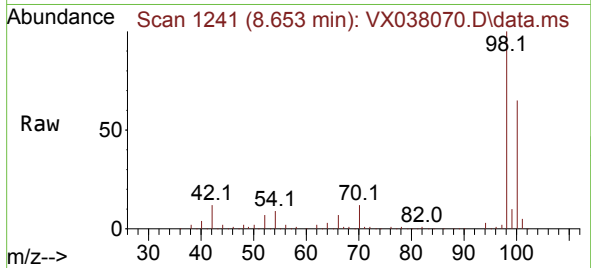




#50
Toluene-d8
Concen: 47.625 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

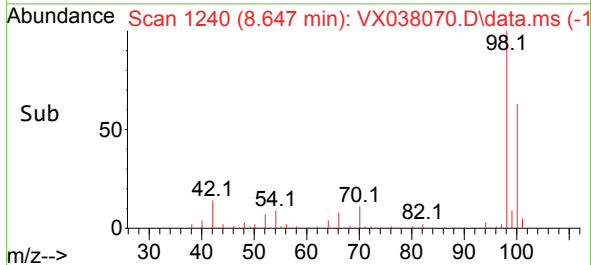
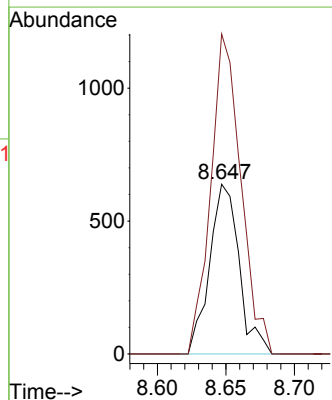
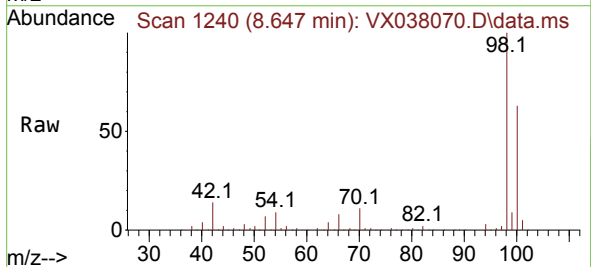
Instrument :
MSVOA_X
ClientSampleId :

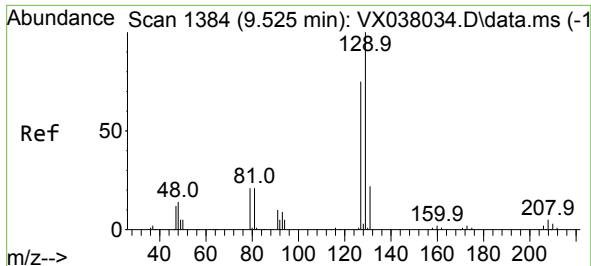
Tgt Ion: 98 Resp: 225065
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.435 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
58 192.8 30.4 45.6#

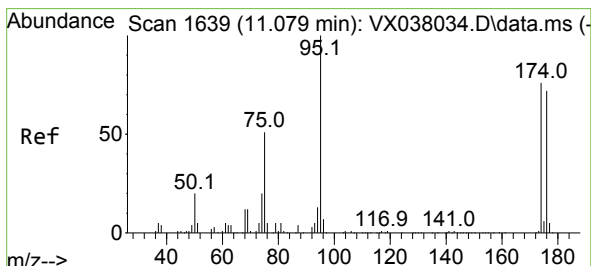
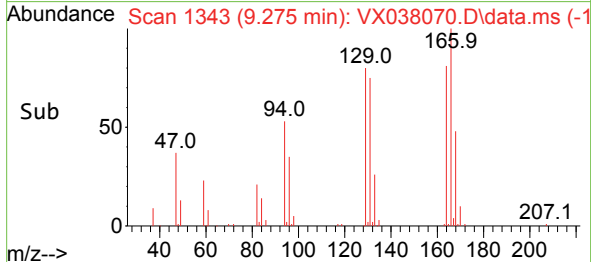
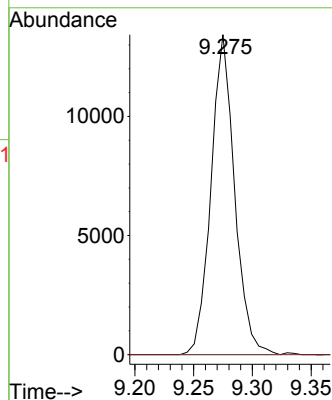
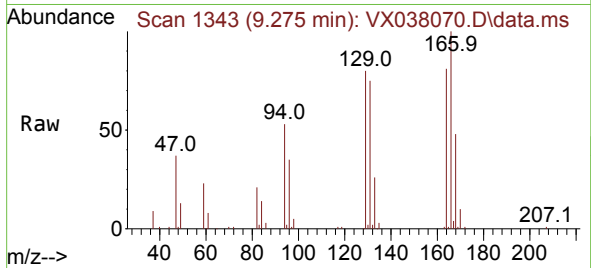




#60
Dibromochloromethane
Concen: 14.446 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

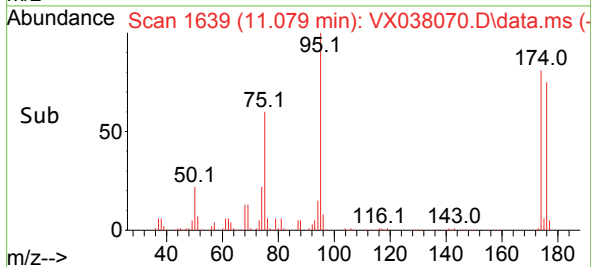
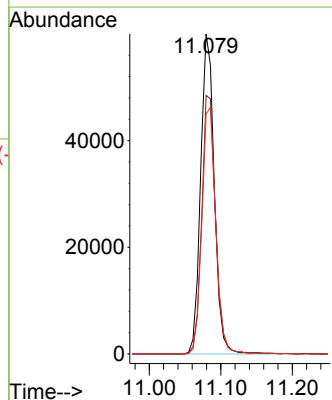
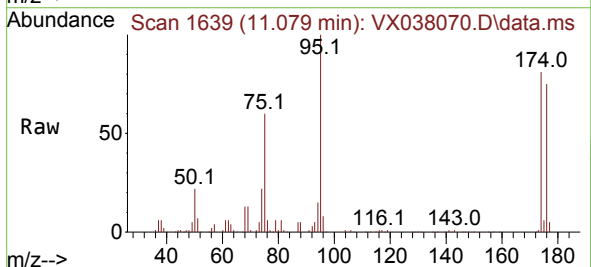
Instrument :
MSVOA_X
ClientSampleId :

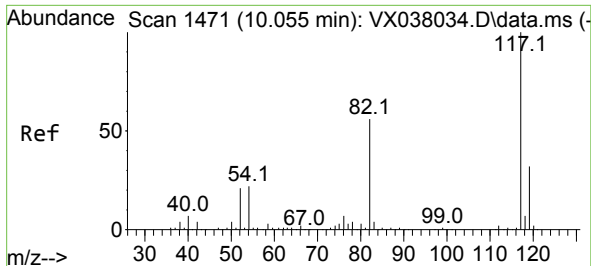
Tgt Ion:129 Resp: 18757
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

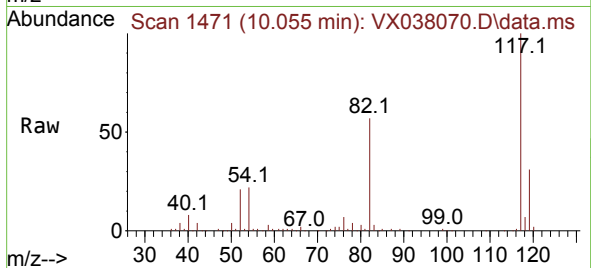
Tgt Ion: 95 Resp: 79430
Ion Ratio Lower Upper
95 100
174 81.8 0.0 135.6
176 78.9 0.0 131.0



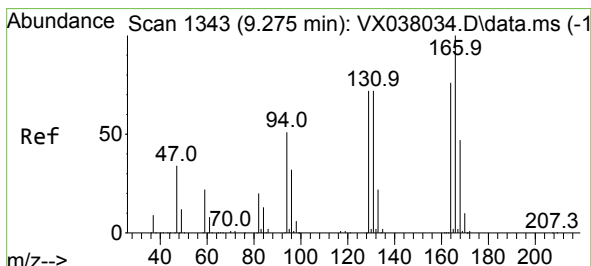
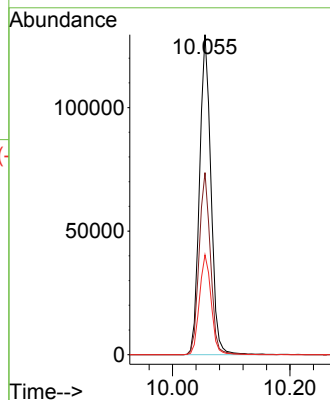
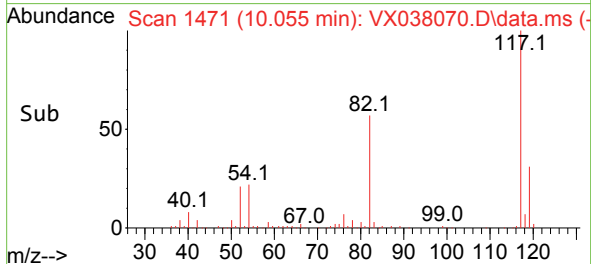


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

Instrument :
MSVOA_X
ClientSampleId :

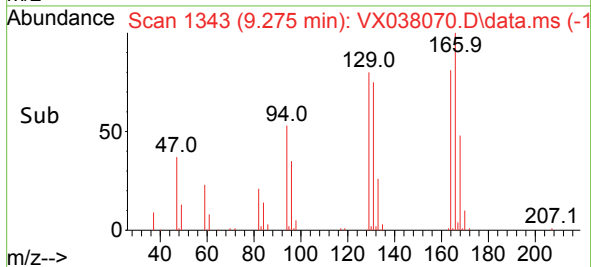
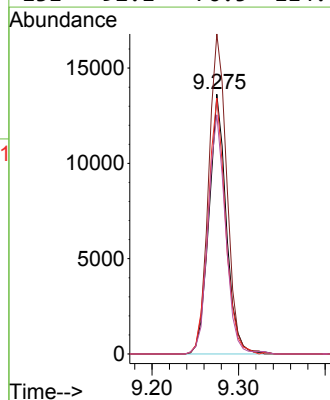
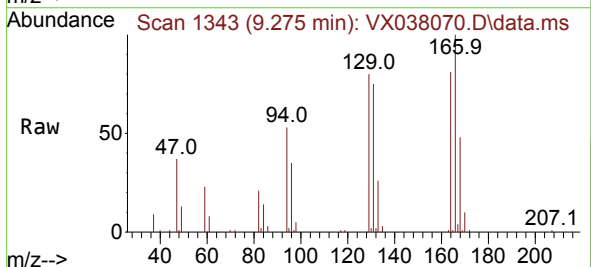


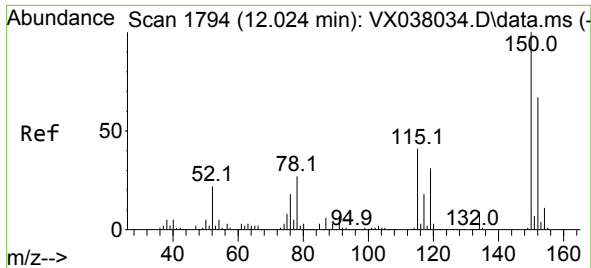
Tgt Ion:117 Resp: 174688
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 31.2 25.5 38.3



#64
Tetrachloroethene
Concen: 16.260 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX038070.D
Acq: 04 Oct 2023 17:08

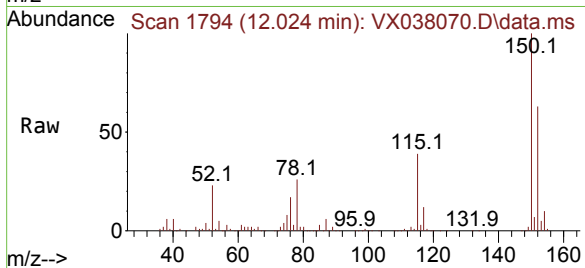
Tgt Ion:164 Resp: 18899
Ion Ratio Lower Upper
164 100
166 123.3 102.7 154.1
129 98.6 80.4 120.6
131 92.1 76.5 114.7



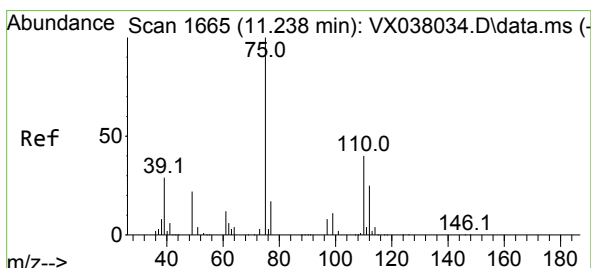
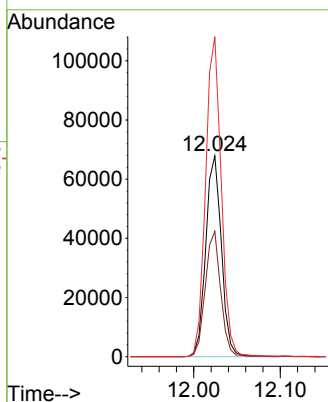
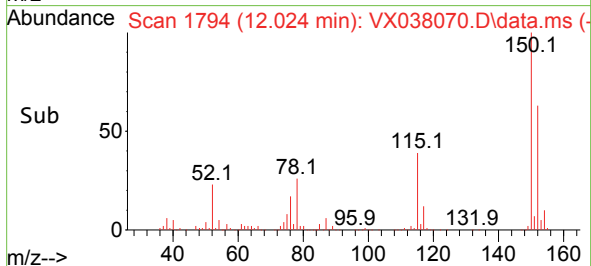


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038070.D
 Acq: 04 Oct 2023 17:08

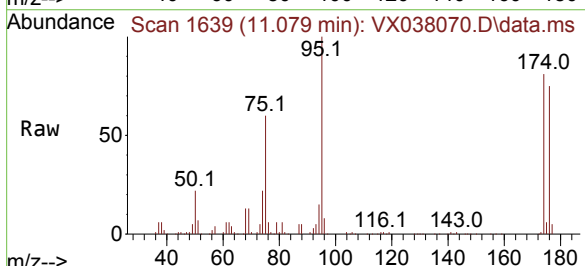
Instrument :
 MSVOA_X
 ClientSampleId :



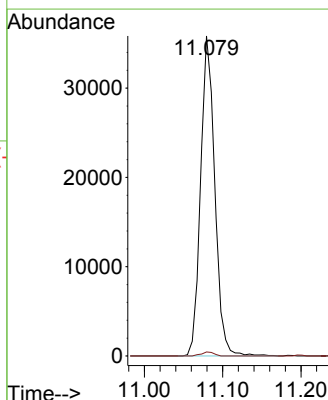
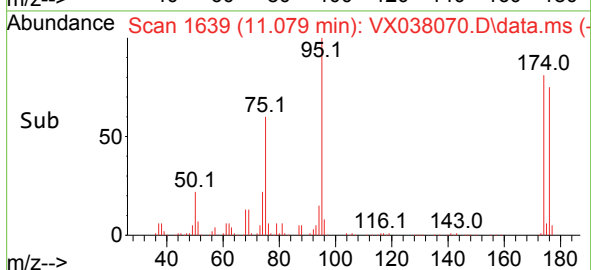
Tgt Ion:152 Resp: 85265
 Ion Ratio Lower Upper
 152 100
 115 61.5 43.3 129.9
 150 159.4 0.0 345.0

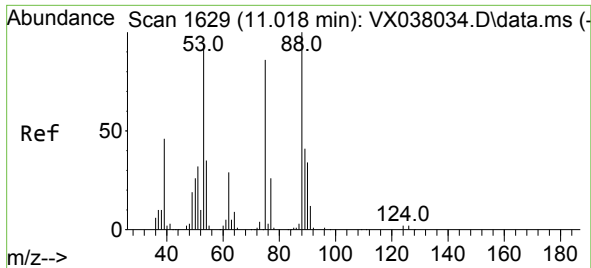


#76
 1,2,3-Trichloropropane
 Concen: 22.857 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038070.D
 Acq: 04 Oct 2023 17:08



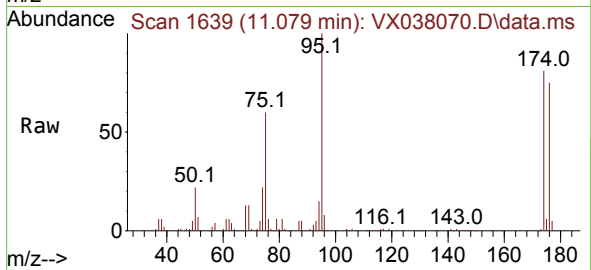
Tgt Ion: 75 Resp: 45147
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.195 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038070.D
 Acq: 04 Oct 2023 17:08

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 45147
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

