

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102323\
 Data File : VX038438.D
 Acq On : 23 Oct 2023 17:24
 Operator : JC/MD
 Sample : 05007-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 00:05:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

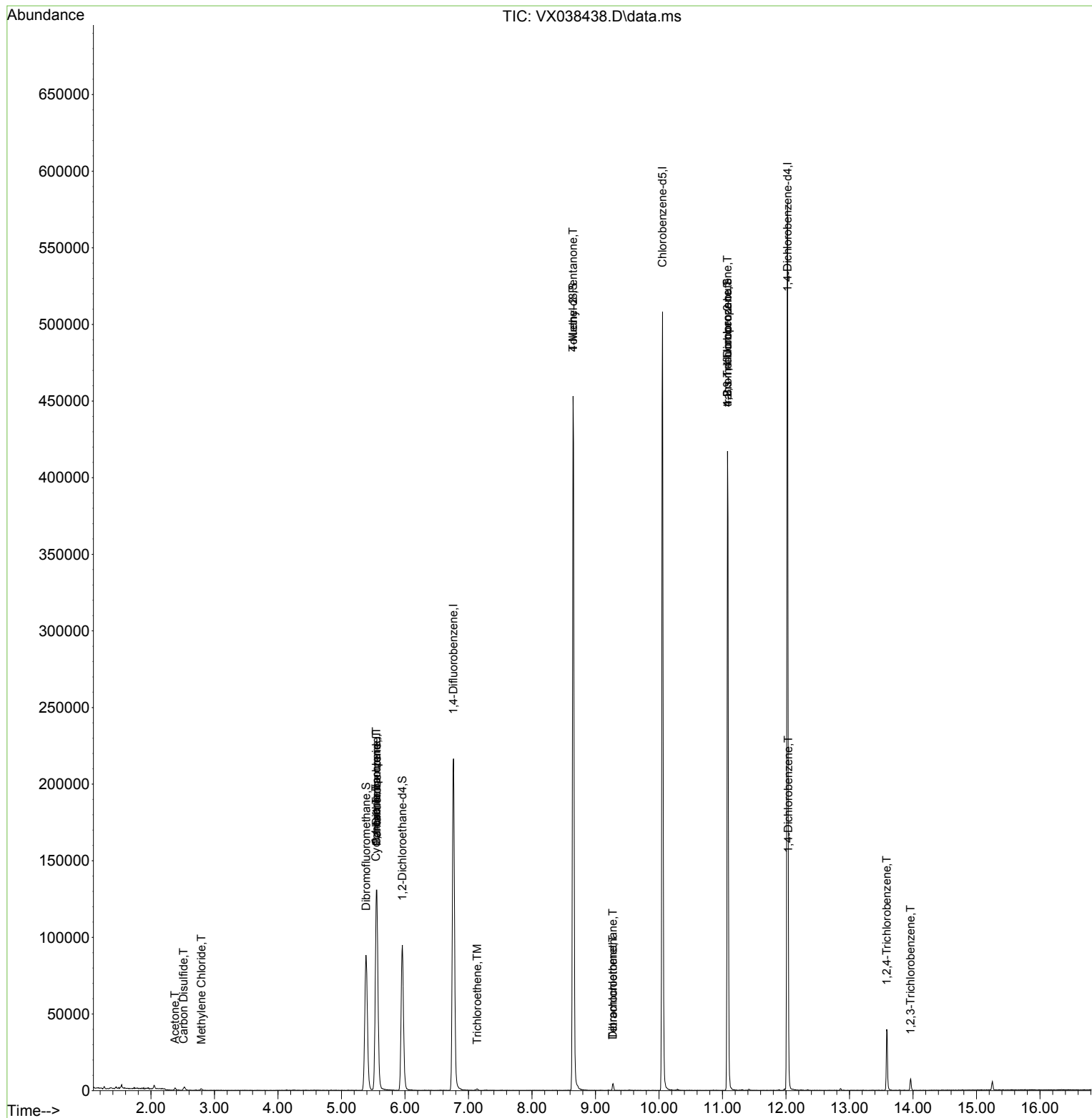
Internal Standards						
1) Pentafluorobenzene	5.556	168	126912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228763	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90966	44.563	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.120%		
35) Dibromofluoromethane	5.385	113	76759	46.566	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.140%		
50) Toluene-d8	8.647	98	283286	44.974	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.940%#		
62) 4-Bromofluorobenzene	11.079	95	107519	45.025	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.060%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	51	Below Cal	#	3
6) Chloroethane	1.685	64	63	Below Cal	#	43
16) Acetone	2.380	43	1456	1.709	ug/l	97
17) Carbon Disulfide	2.514	76	826	0.247	ug/l #	76
20) Methylene Chloride	2.794	84	532	0.332	ug/l #	62
31) Cyclohexane	5.544	56	2950	1.334	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	10402	4.576	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12959	5.795	ug/l #	14
44) Trichloroethene	7.135	130	457	0.275	ug/l	87
51) 4-Methyl-2-Pentanone	8.647	43	1194	0.430	ug/l #	1
60) Dibromochloromethane	9.275	129	738	0.426	ug/l #	11
64) Tetrachloroethene	9.275	164	746	0.494	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	59095	21.042	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59095	60.518	ug/l #	5
88) 1,4-Dichlorobenzene	12.037	146	865	0.209	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.585	180	10103	3.857	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	2211	0.872	ug/l	96

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

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Quant Time: Oct 24 00:05:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 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: VX038438.D

Acq: 23 Oct 2023 17:24

Instrument :

MSVOA_X

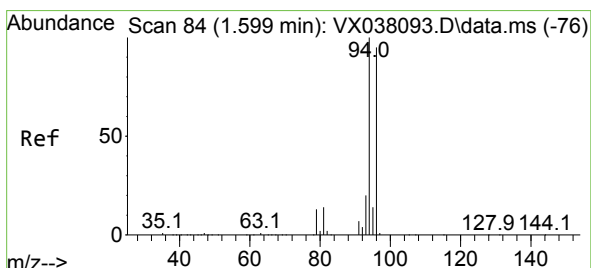
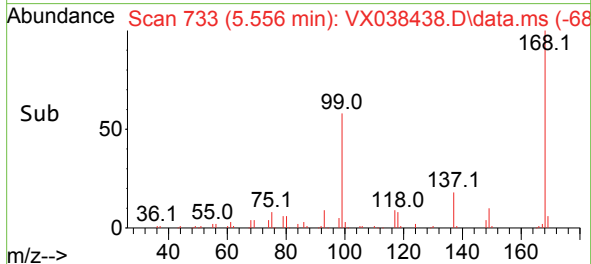
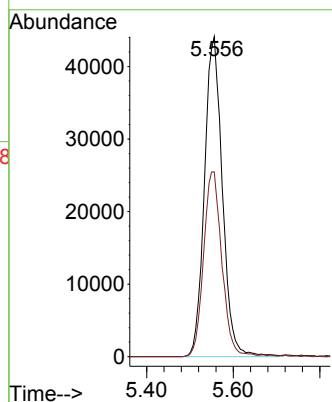
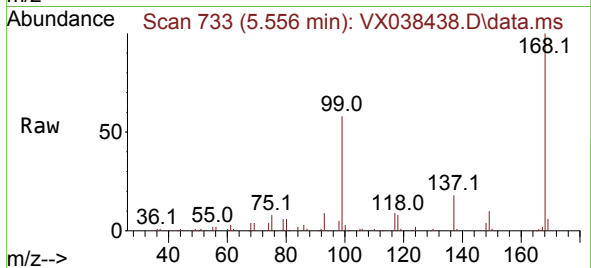
ClientSampleId :

Tgt Ion:168 Resp: 126912

Ion Ratio Lower Upper

168 100

99 57.8 56.6 85.0



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX038438.D

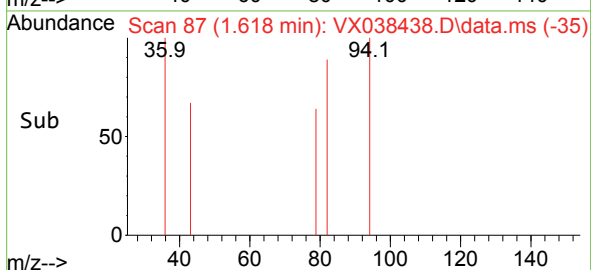
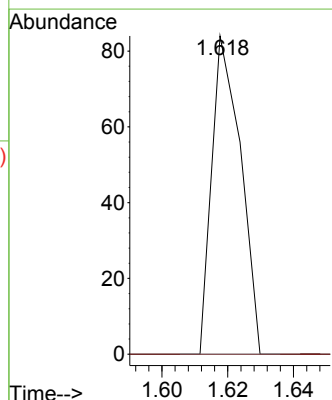
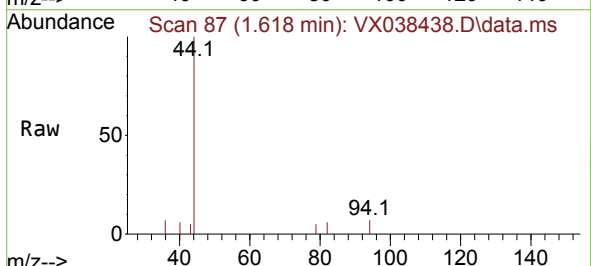
Acq: 23 Oct 2023 17:24

Tgt Ion: 94 Resp: 51

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#

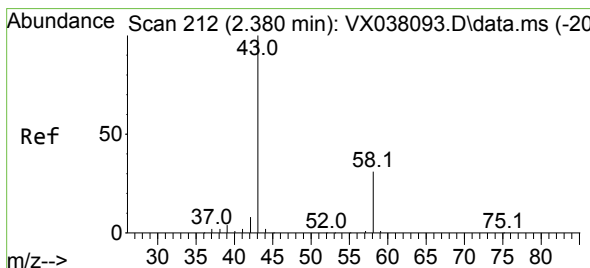
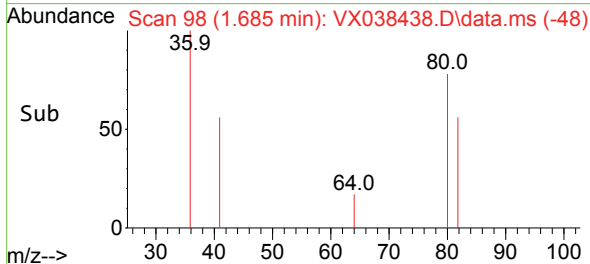
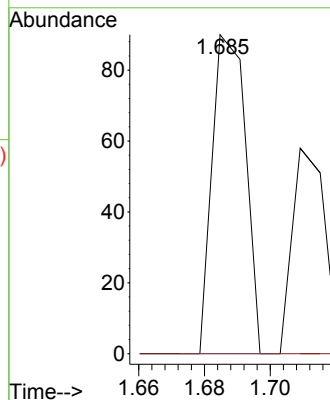
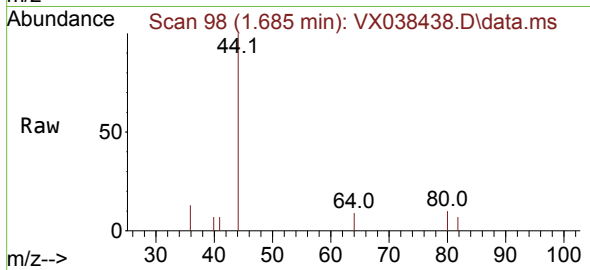




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

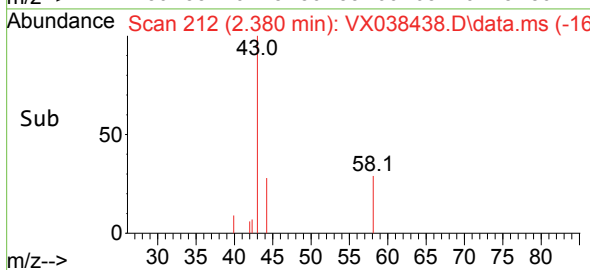
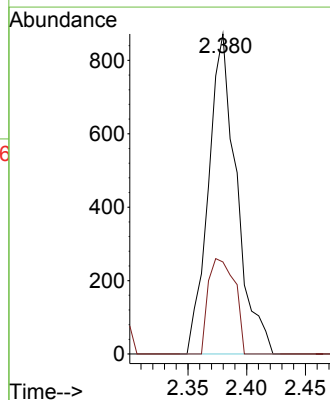
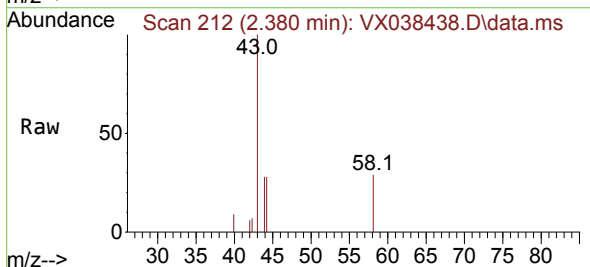
Instrument :
MSVOA_X
ClientSampleId :

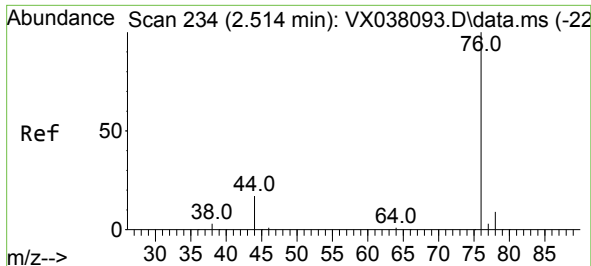
Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#16
Acetone
Concen: 1.709 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
58 28.8 21.9 32.9





#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

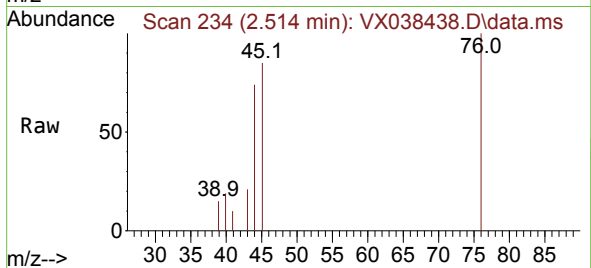
Lab File: VX038438.D

Acq: 23 Oct 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

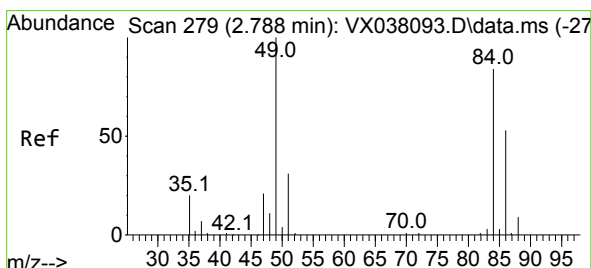
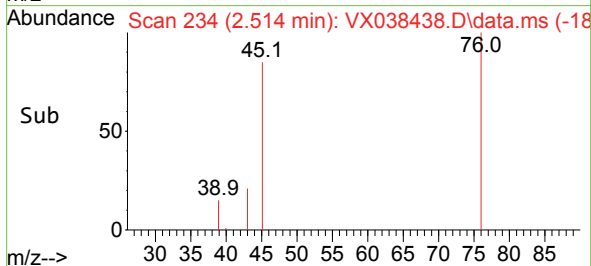
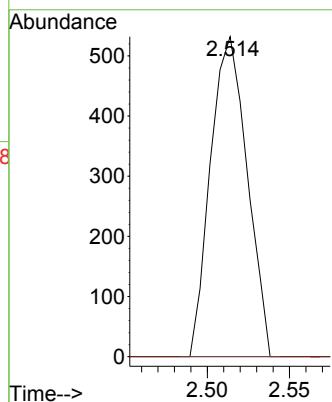


Tgt Ion: 76 Resp: 826

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.332 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038438.D

Acq: 23 Oct 2023 17:24

Tgt Ion: 84 Resp: 532

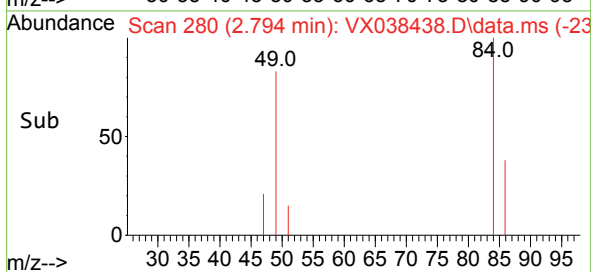
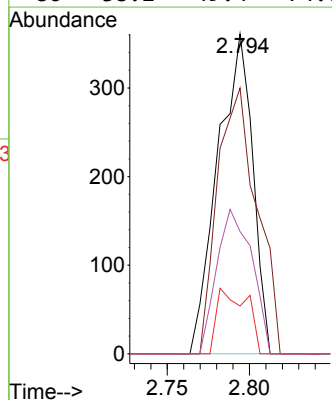
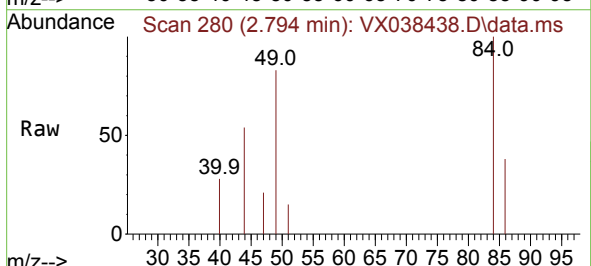
Ion Ratio Lower Upper

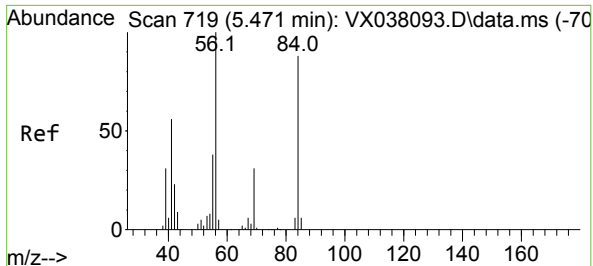
84 100

49 83.1 103.6 155.4#

51 15.0 33.8 50.6#

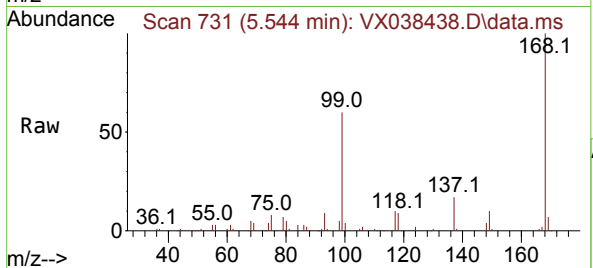
86 38.2 49.4 74.0#



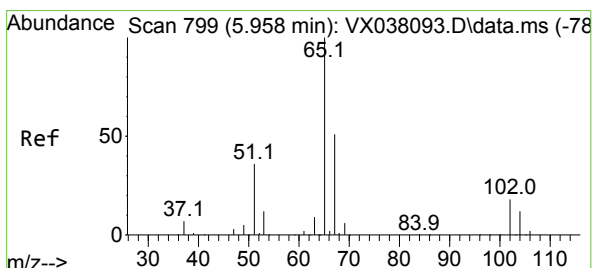
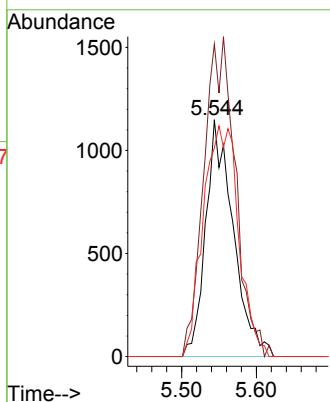
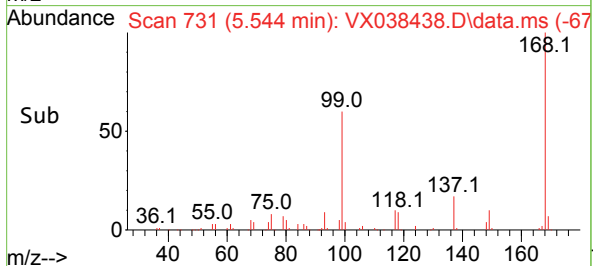


#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

Instrument :
MSVOA_X
ClientSampleId :

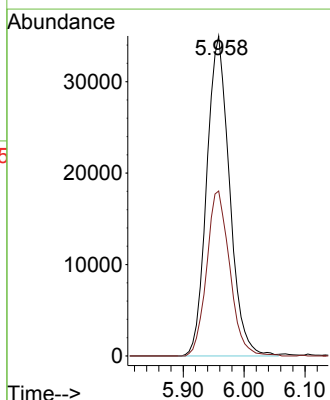
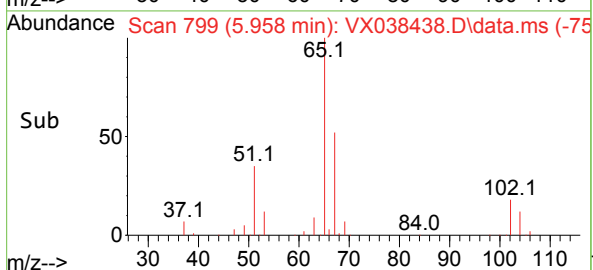
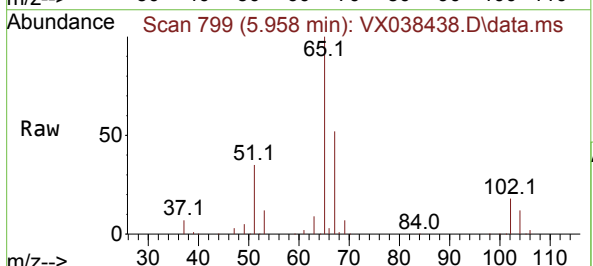


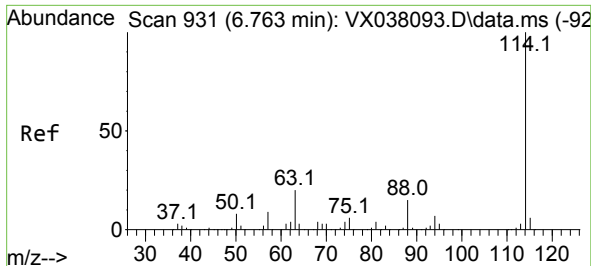
Tgt Ion: 56 Resp: 2950
Ion Ratio Lower Upper
56 100
69 131.9 23.4 35.2#
84 88.1 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 44.563 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

Tgt Ion: 65 Resp: 90966
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2

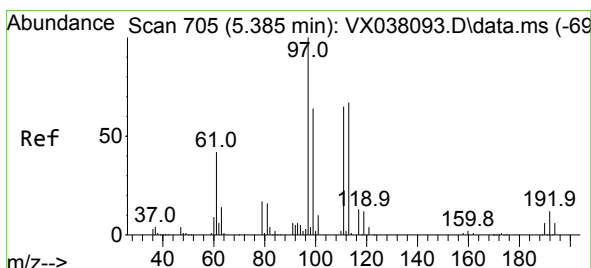
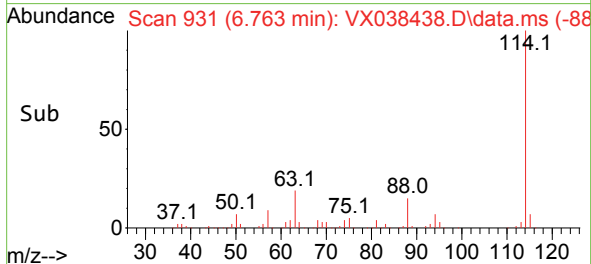
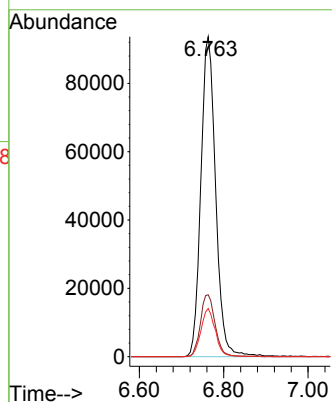
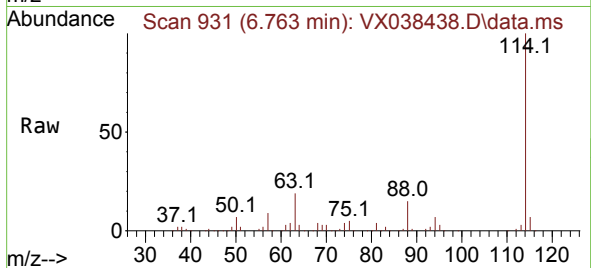




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

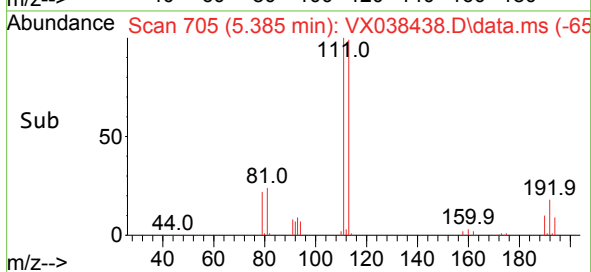
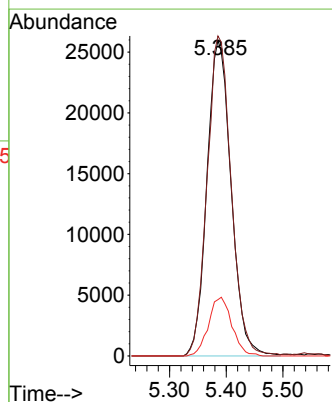
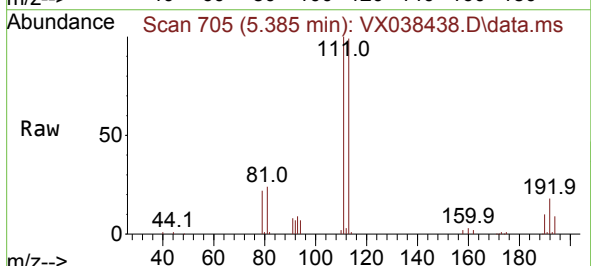
Instrument :
MSVOA_X
ClientSampleId :

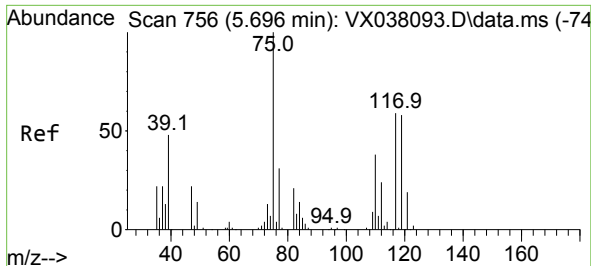
Tgt Ion:114 Resp: 228763
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.566 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

Tgt Ion:113 Resp: 76759
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 18.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.576 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

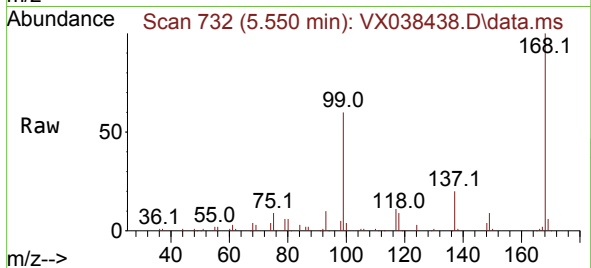
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Acq: 23 Oct 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :



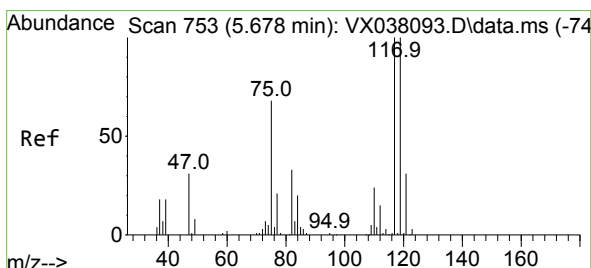
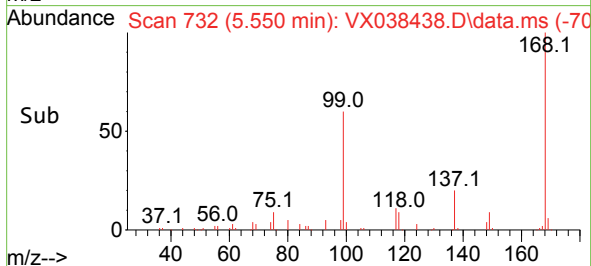
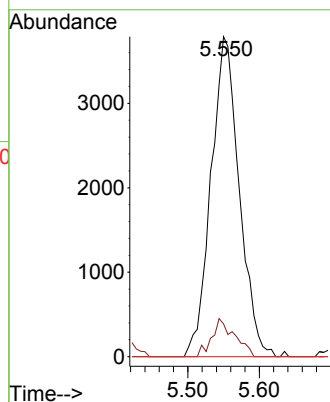
Tgt Ion: 75 Resp: 10402

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.795 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX038438.D

Acq: 23 Oct 2023 17:24

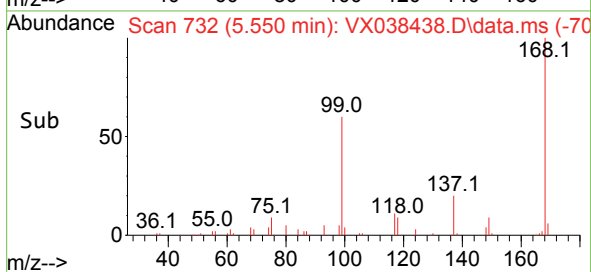
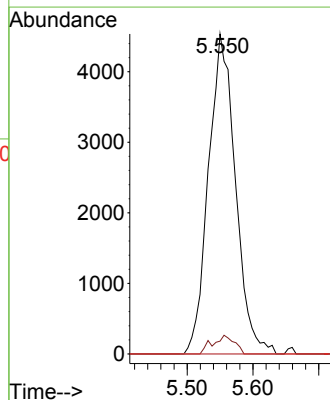
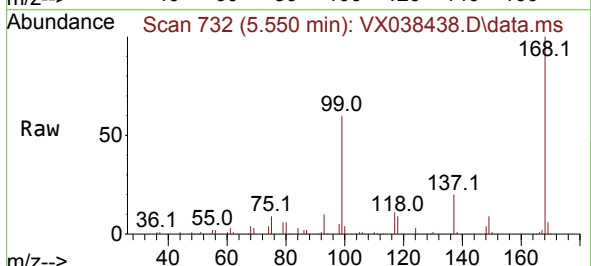
Tgt Ion: 117 Resp: 12959

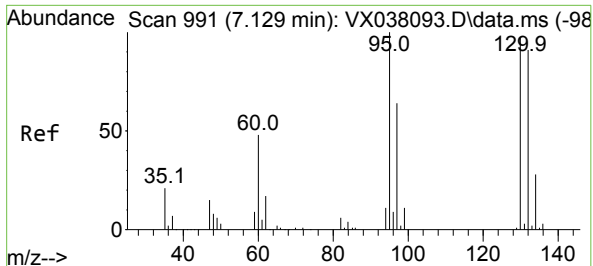
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

121 0.0 24.4 36.6#

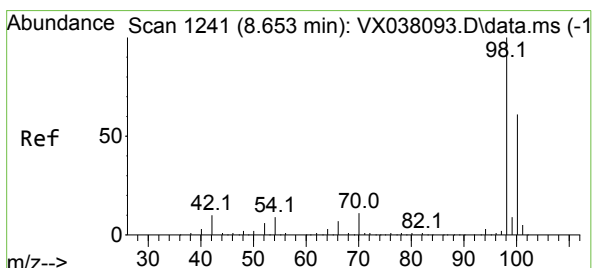
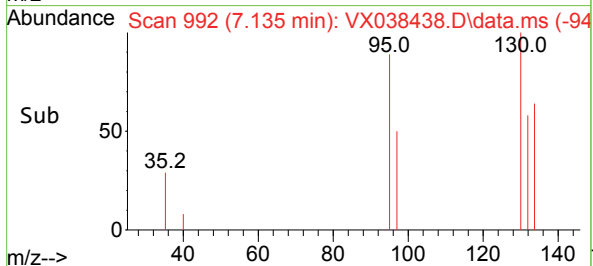
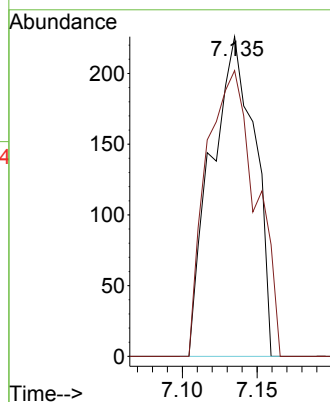
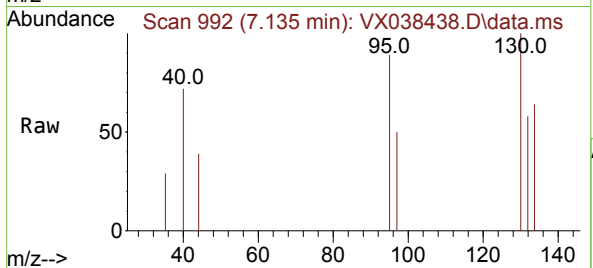




#44
Trichloroethene
Concen: 0.275 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

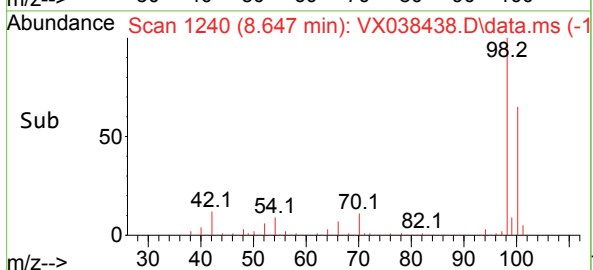
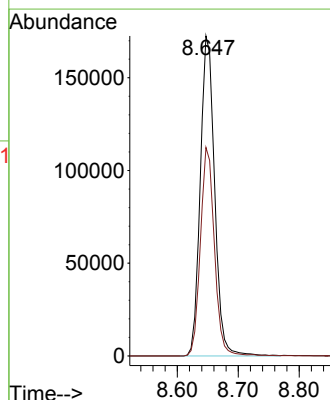
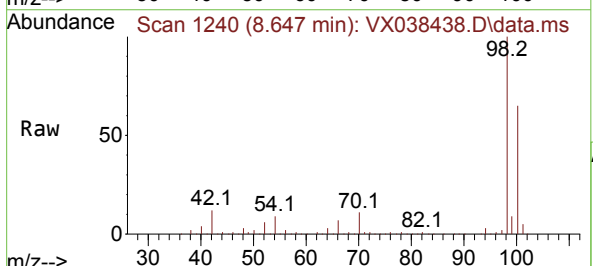
Instrument :
MSVOA_X
ClientSampleId :

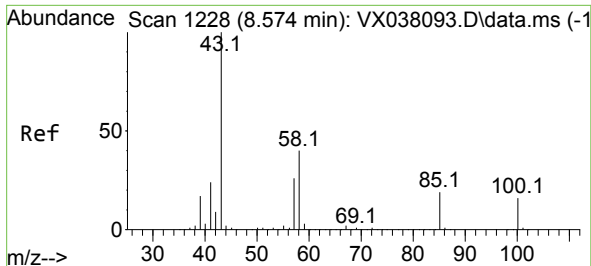
Tgt Ion:130 Resp: 457
Ion Ratio Lower Upper
130 100
95 89.4 0.0 204.4



#50
Toluene-d8
Concen: 44.974 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

Tgt Ion: 98 Resp: 283286
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

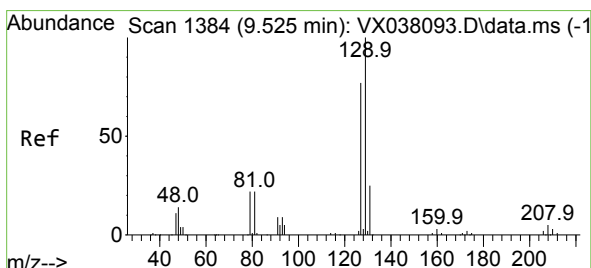
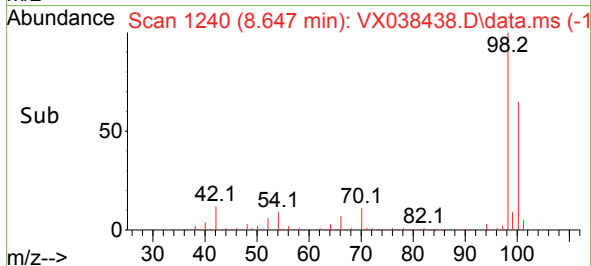
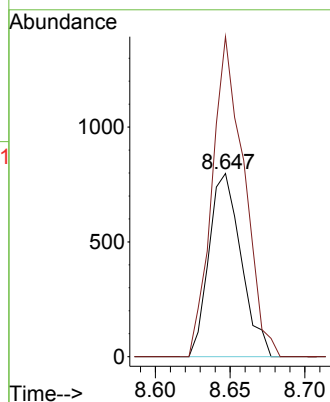
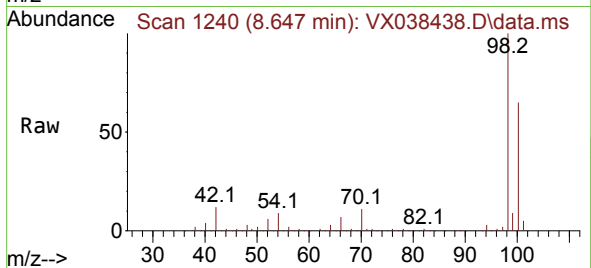




#51
4-Methyl-2-Pentanone
Concen: 0.430 ug/l
RT: 8.647 min Scan# 1194
Delta R.T. 0.073 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

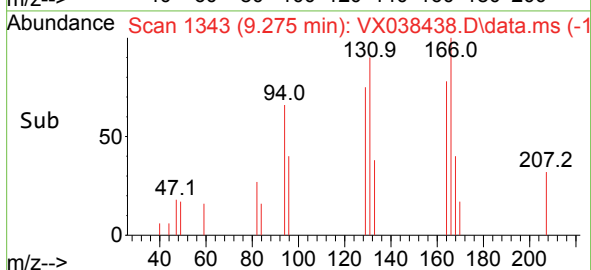
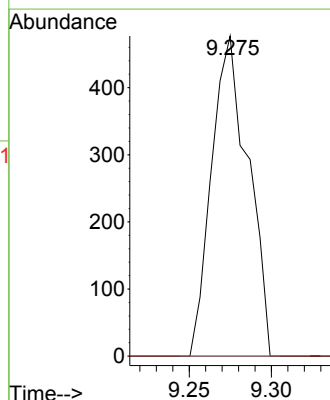
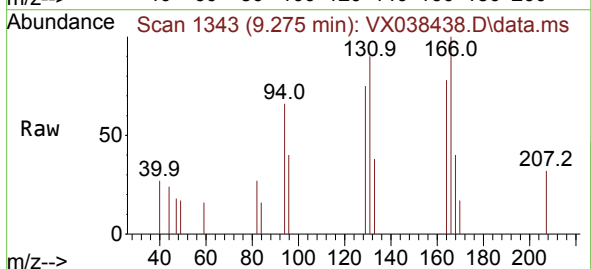
Instrument :
MSVOA_X
ClientSampleId :

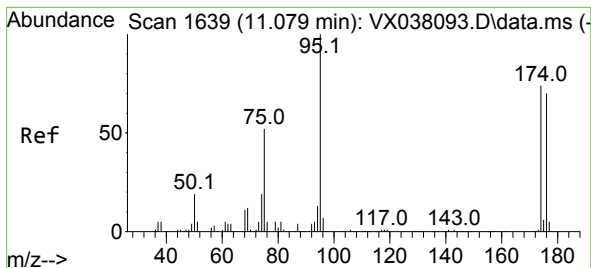
Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
58 173.1 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.426 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

Tgt Ion: 129 Resp: 738
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

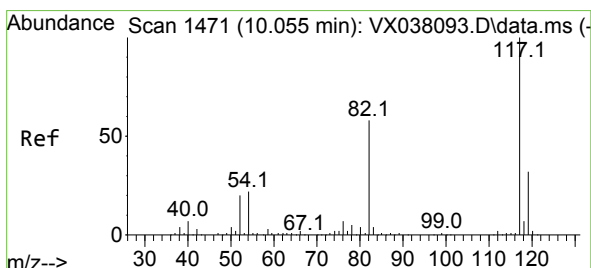
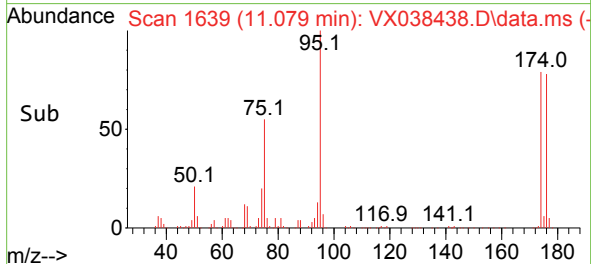
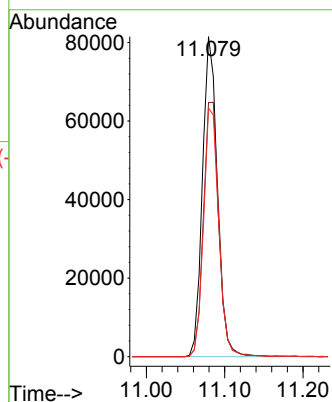
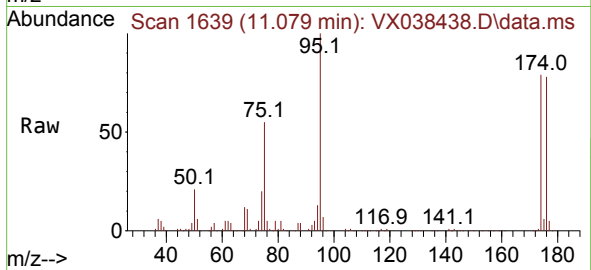




#62
4-Bromofluorobenzene
Concen: 45.025 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

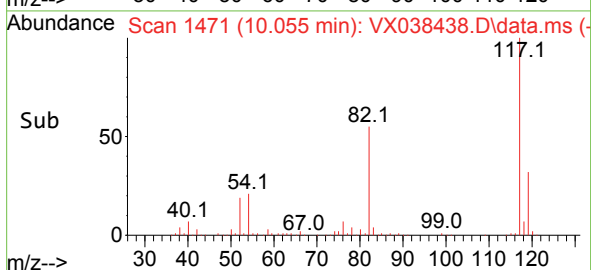
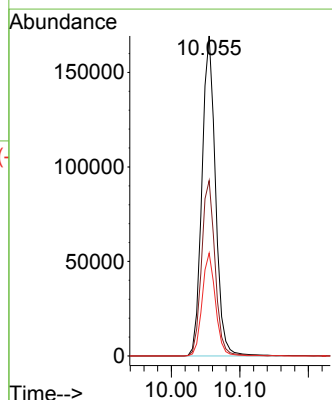
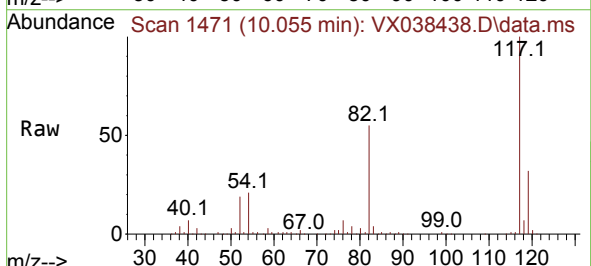
Instrument :
MSVOA_X
ClientSampleId :

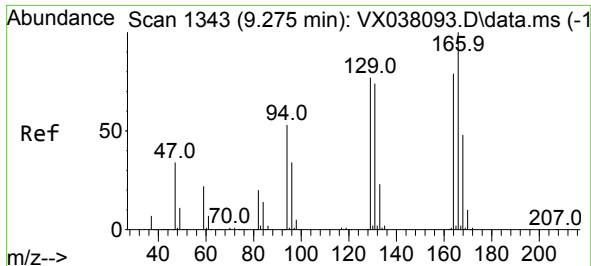
Tgt Ion: 95 Resp: 107519
Ion Ratio Lower Upper
95 100
174 83.6 0.0 135.6
176 79.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

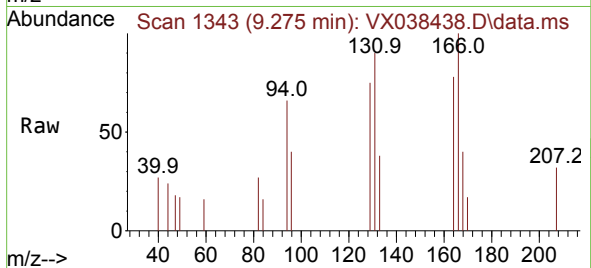
Tgt Ion: 117 Resp: 233243
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.2 25.5 38.3



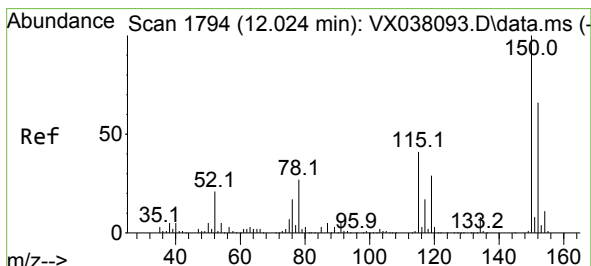
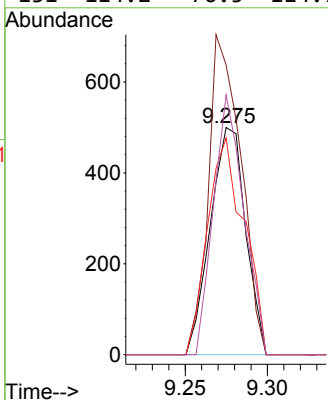
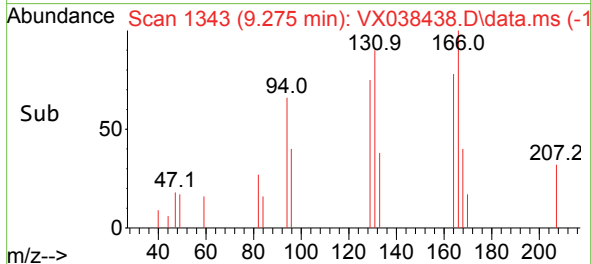


#64
Tetrachloroethene
Concen: 0.494 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24

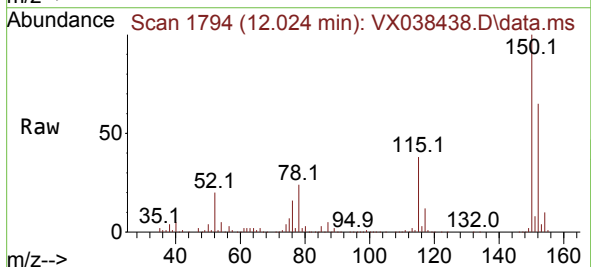
Instrument :
MSVOA_X
ClientSampleId :



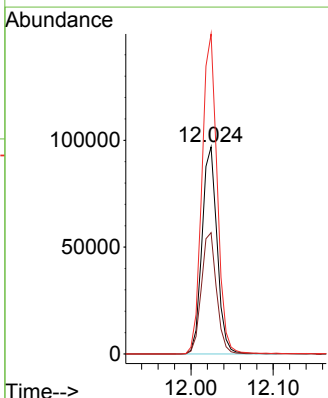
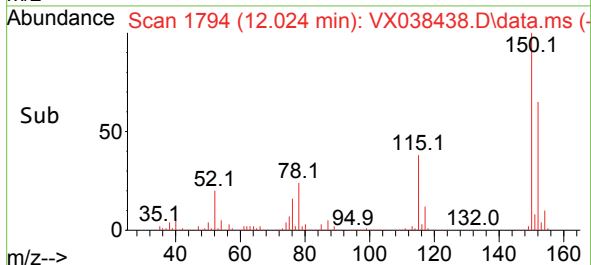
Tgt Ion:164	Resp:	746
Ion	Ratio	Lower Upper
164	100	
166	127.4	102.7 154.1
129	95.4	80.4 120.6
131	114.2	76.5 114.7

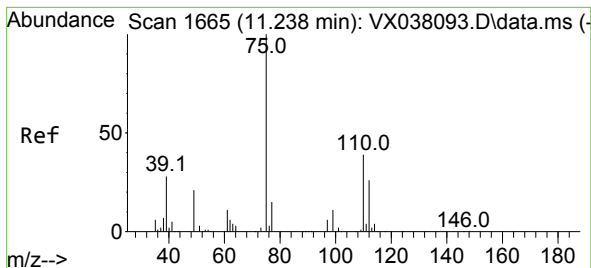


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038438.D
Acq: 23 Oct 2023 17:24



Tgt Ion:152	Resp:	123537
Ion	Ratio	Lower Upper
152	100	
115	58.9	43.3 129.9
150	156.1	0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.042 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038438.D

Acq: 23 Oct 2023 17:24

Instrument :

MSVOA_X

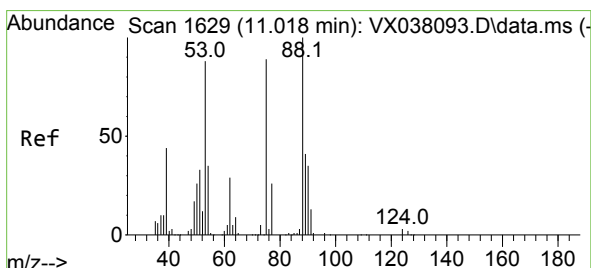
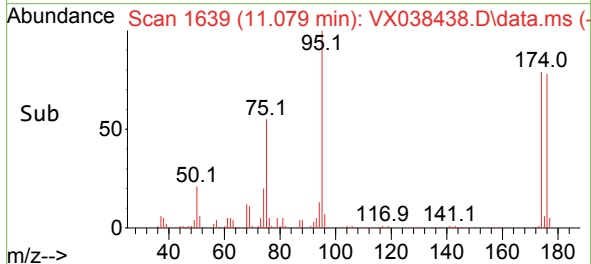
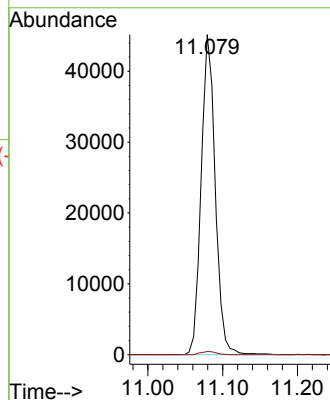
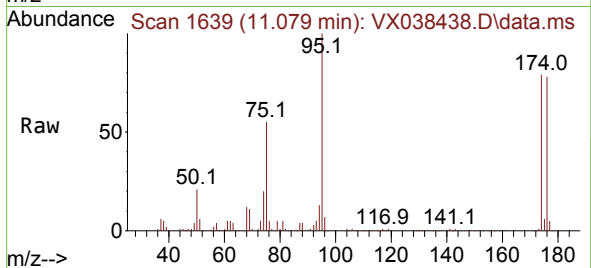
ClientSampleId :

Tgt Ion: 75 Resp: 59095

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.518 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038438.D

Acq: 23 Oct 2023 17:24

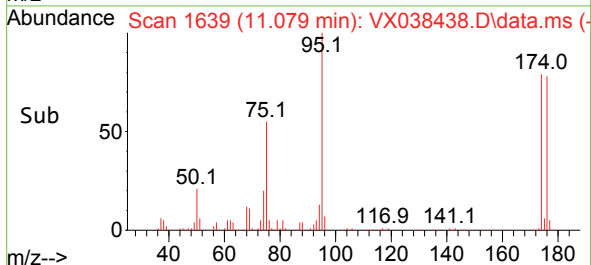
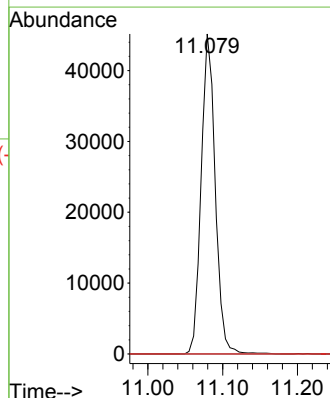
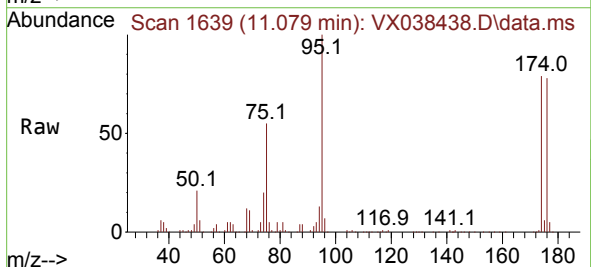
Tgt Ion: 75 Resp: 59095

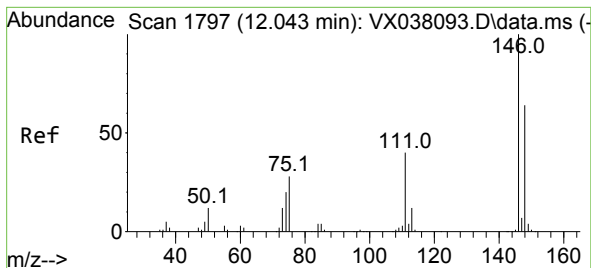
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#88

1,4-Dichlorobenzene

Concen: 0.209 ug/l

RT: 12.037 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX038438.D

Acq: 23 Oct 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

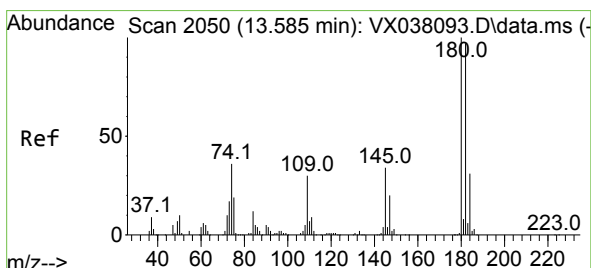
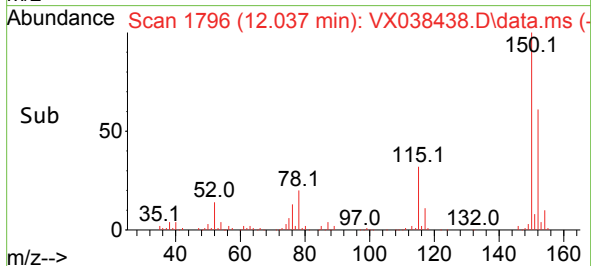
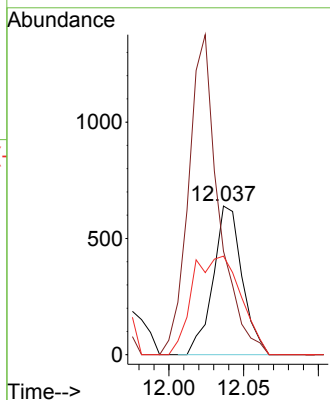
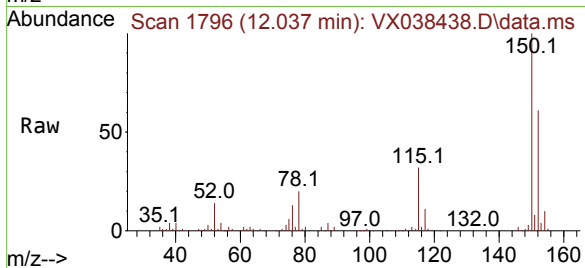
Tgt Ion:146 Resp: 865

Ion Ratio Lower Upper

146 100

111 223.8 21.3 63.7#

148 111.2 31.8 95.4#



#93

1,2,4-Trichlorobenzene

Concen: 3.857 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX038438.D

Acq: 23 Oct 2023 17:24

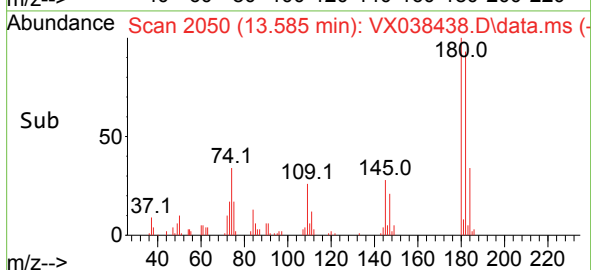
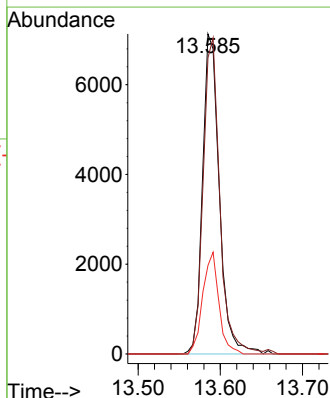
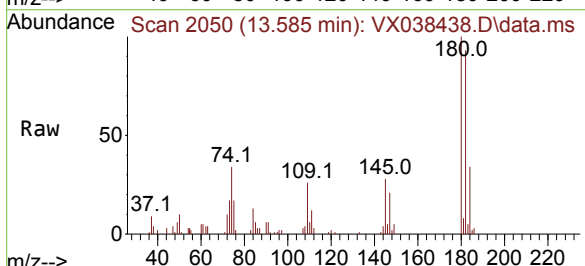
Tgt Ion:180 Resp: 10103

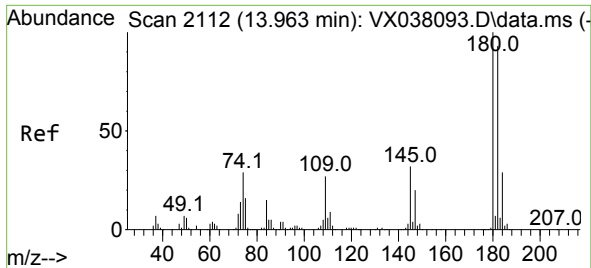
Ion Ratio Lower Upper

180 100

182 98.0 48.3 144.8

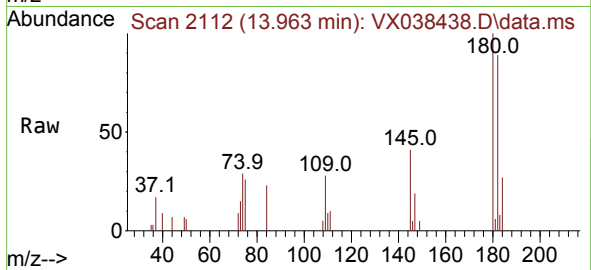
145 30.6 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.872 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX038438.D
 Acq: 23 Oct 2023 17:24

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	2211
Ion	Ratio	Lower	Upper
180	100		
182	90.3	46.9	140.6
145	32.3	17.8	53.5

