

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038758.D
 Acq On : 11 Nov 2023 04:46
 Operator : JC/MD
 Sample : 05350-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

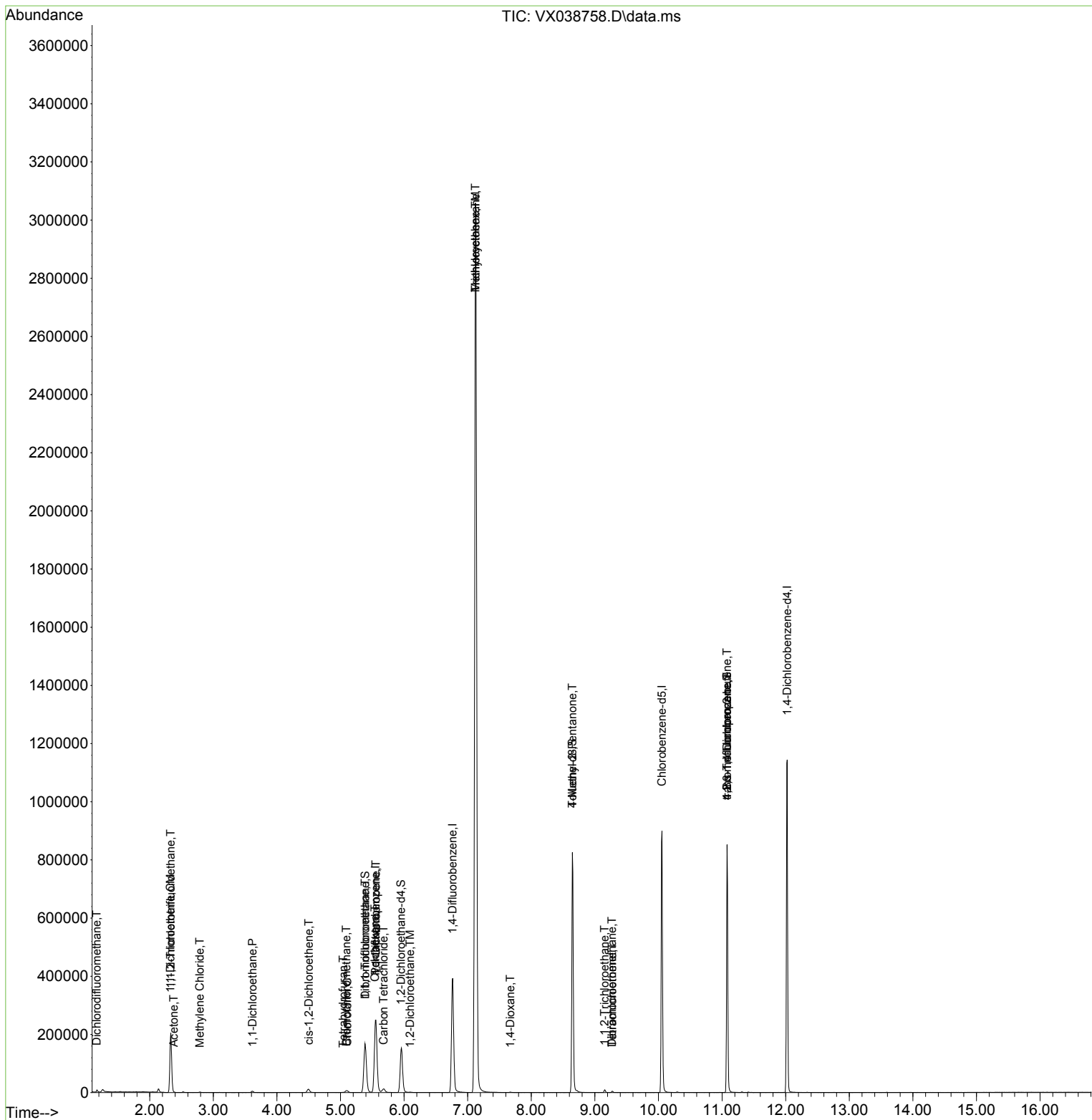
Instrument :
 MSVOA_X
 ClientSampleId :

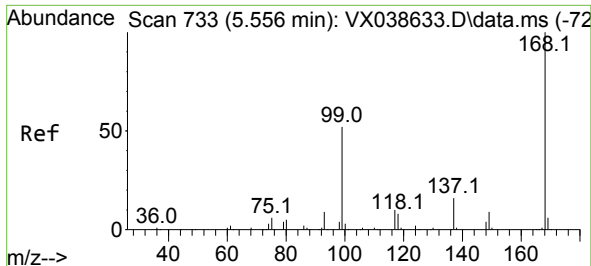
Quant Time: Nov 13 01:05:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	264850	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	443929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	271740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	154204	46.767	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.540%
35) Dibromofluoromethane	5.385	113	144942	45.332	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.660%
50) Toluene-d8	8.647	98	527185	46.078	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.160%
62) 4-Bromofluorobenzene	11.079	95	227780	51.349	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	3906	1.420	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	61162	23.708	ug/l	89
12) 1,1-Dichloroethene	2.325	96	25696	10.396	ug/l	# 76
16) Acetone	2.380	43	1197	0.862	ug/l	# 86
20) Methylene Chloride	2.788	84	1023	0.365	ug/l	90
24) 1,1-Dichloroethane	3.617	63	5519	1.250	ug/l	96
27) cis-1,2-Dichloroethene	4.501	96	8384	2.698	ug/l	74
28) Bromochloromethane	5.093	49	601	0.303	ug/l	# 16
29) Tetrahydrofuran	5.044	42	274	0.219	ug/l	91
30) Chloroform	5.105	83	8951	1.728	ug/l	99
31) Cyclohexane	5.544	56	4227	1.158	ug/l	# 1
32) 1,1,1-Trichloroethane	5.385	97	2773	0.608	ug/l	# 50
36) 1,1-Dichloropropene	5.556	75	16395	4.128	ug/l	# 51
38) Carbon Tetrachloride	5.678	117	11070	2.493	ug/l	98
39) Methylcyclohexane	7.123	83	12709	2.559	ug/l	# 1
42) 1,2-Dichloroethane	6.092	62	1406	0.341	ug/l	82
44) Trichloroethene	7.123	130	1283243	360.531	ug/l	92
49) 1,4-Dioxane	7.671	88	1361	19.899	ug/l	# 89
51) 4-Methyl-2-Pentanone	8.647	43	1990	0.490	ug/l	# 1
55) 1,1,2-Trichloroethane	9.153	97	3080	0.969	ug/l	91
60) Dibromochloromethane	9.269	129	746	0.209	ug/l	# 11
64) Tetrachloroethene	9.275	164	790	0.227	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	109737	20.390	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	109737	62.186	ug/l	# 5

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

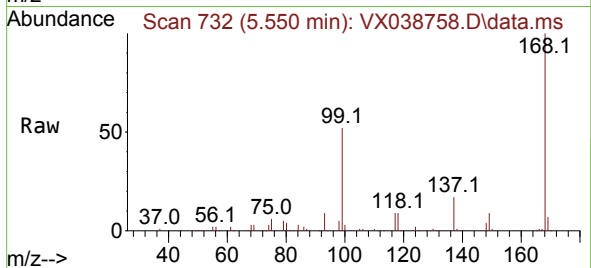
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
Response via : Initial Calibration



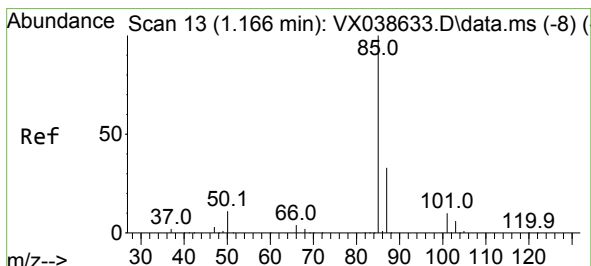
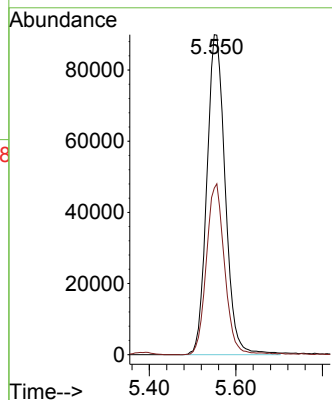
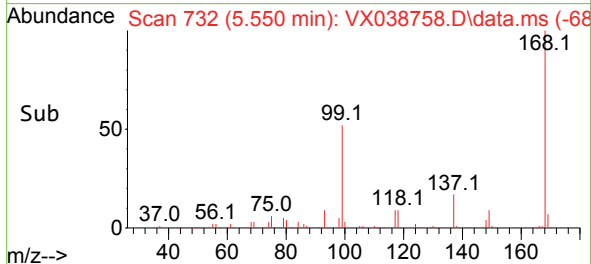


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Instrument :
MSVOA_X
ClientSampleId :

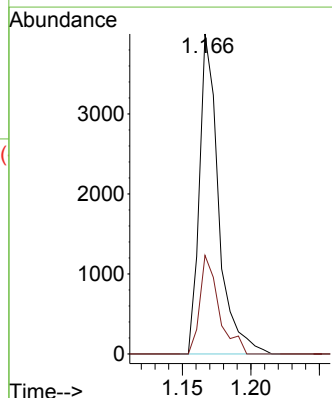
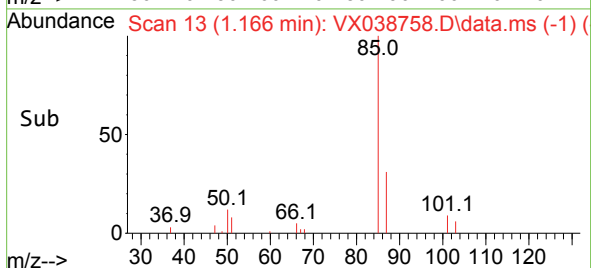
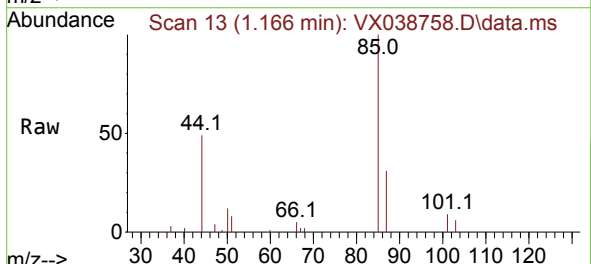


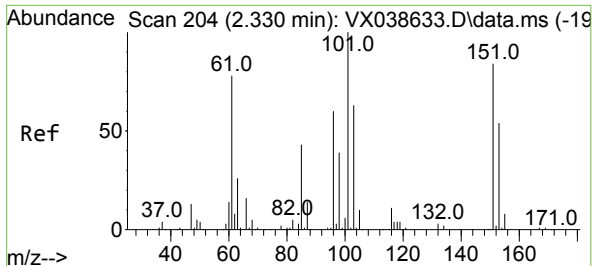
Tgt Ion:168 Resp: 264850
Ion Ratio Lower Upper
168 100
99 52.1 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 1.420 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion: 85 Resp: 3906
Ion Ratio Lower Upper
85 100
87 30.8 16.7 50.1

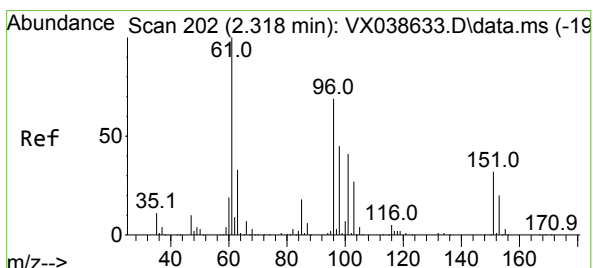
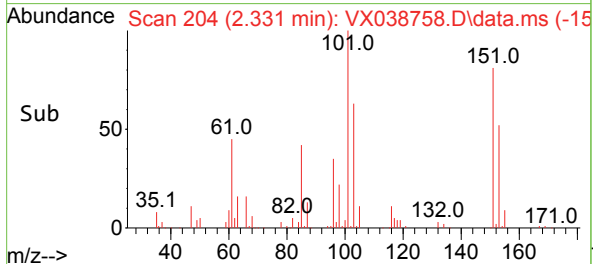
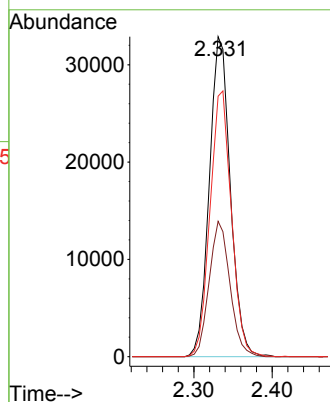
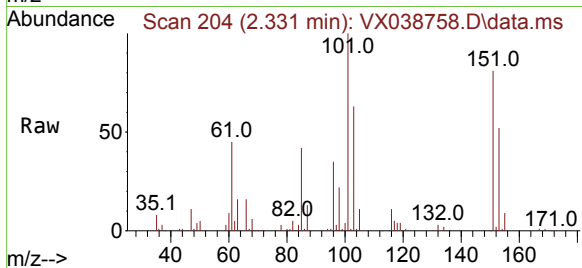




#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.708 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

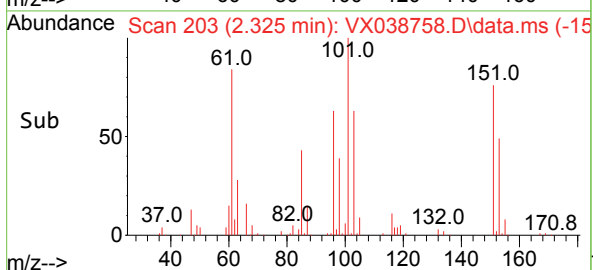
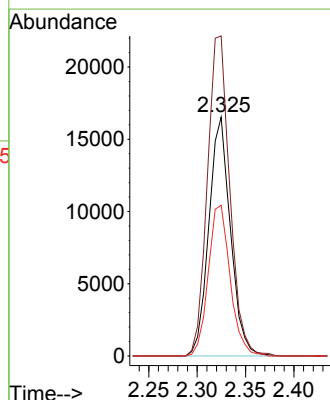
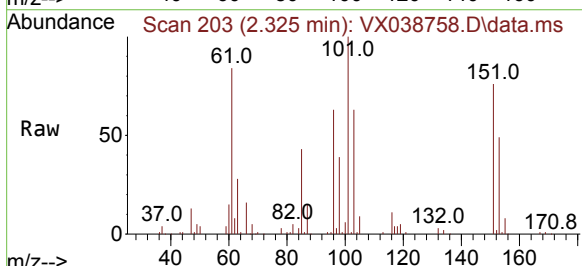
Instrument :
MSVOA_X
ClientSampleId :

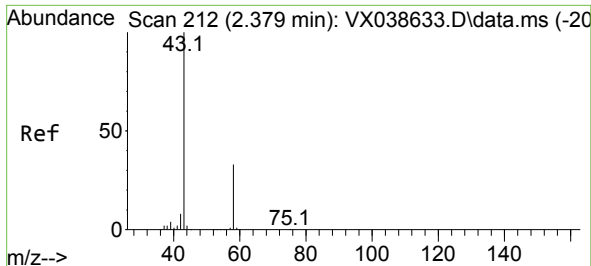
Tgt Ion:101 Resp: 61162
Ion Ratio Lower Upper
101 100
85 42.0 37.0 55.6
151 84.7 58.6 87.8



#12
1,1-Dichloroethene
Concen: 10.396 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion: 96 Resp: 25696
Ion Ratio Lower Upper
96 100
61 134.0 144.6 216.8#
98 63.1 50.4 75.6

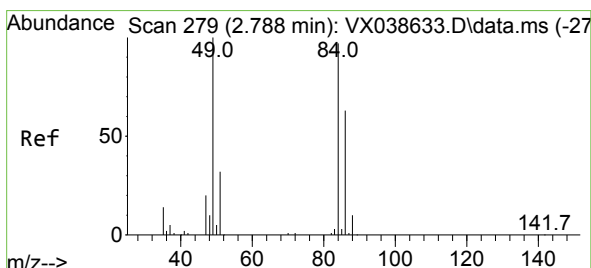
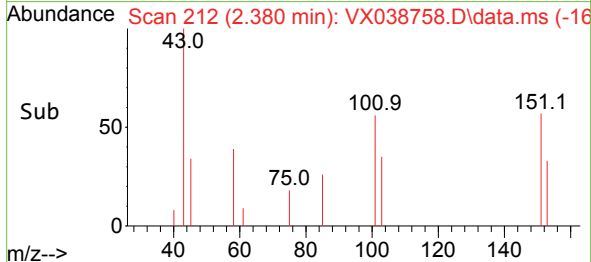
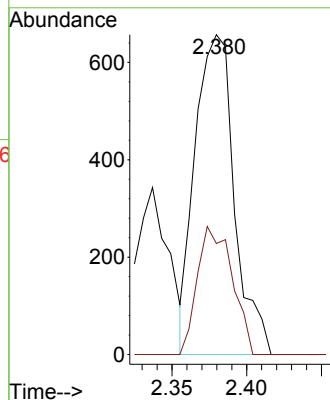
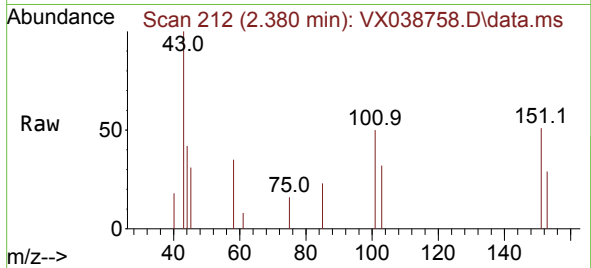




#16
Acetone
Concen: 0.862 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

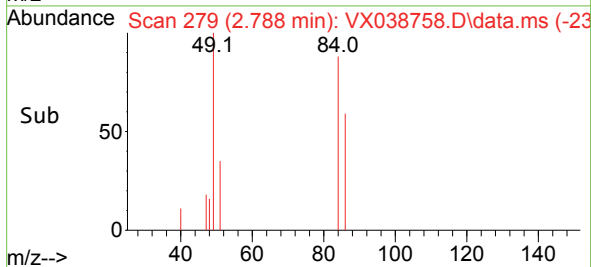
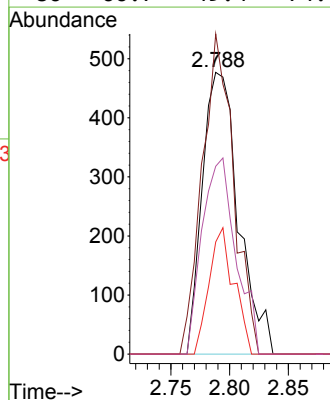
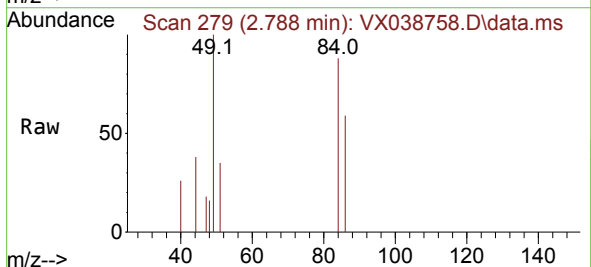
Instrument :
MSVOA_X
ClientSampleId :

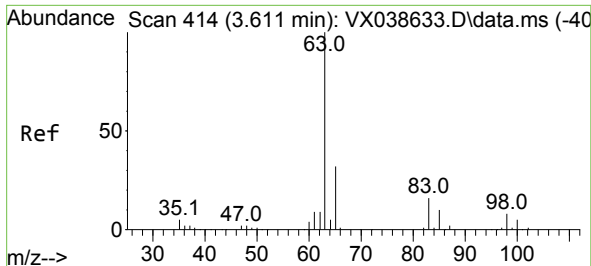
Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
58 34.7 21.9 32.9#



#20
Methylene Chloride
Concen: 0.365 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

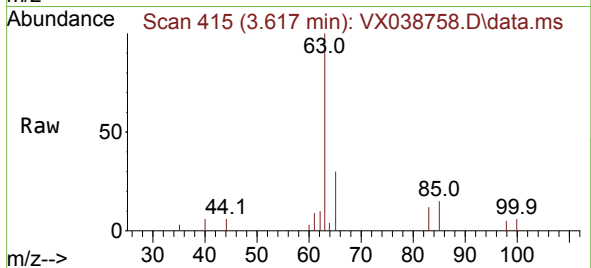
Tgt Ion: 84 Resp: 1023
Ion Ratio Lower Upper
84 100
49 113.6 103.6 155.4
51 39.8 33.8 50.6
86 66.7 49.4 74.0



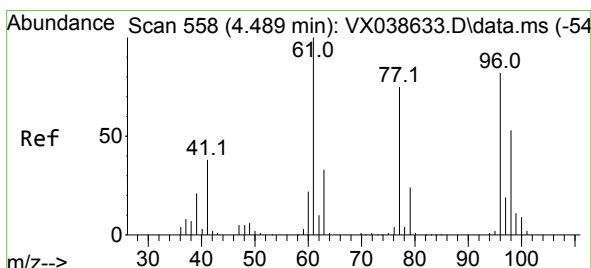
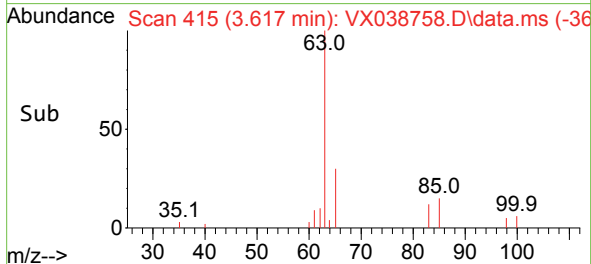
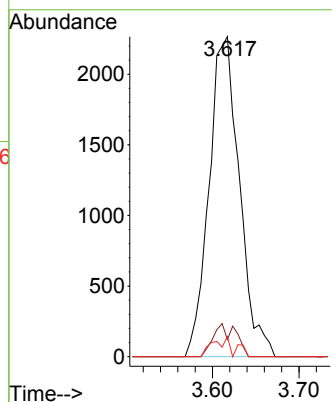


#24
 1,1-Dichloroethane
 Concen: 1.250 ug/l
 RT: 3.617 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VX038758.D
 Acq: 11 Nov 2023 04:46

Instrument :
 MSVOA_X
 ClientSampleId :

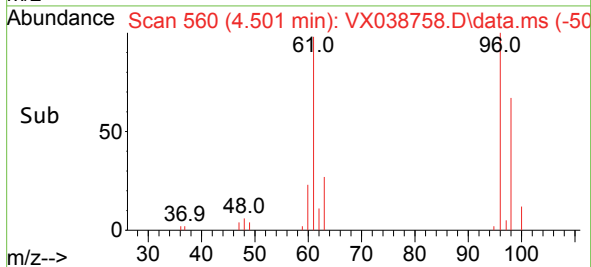
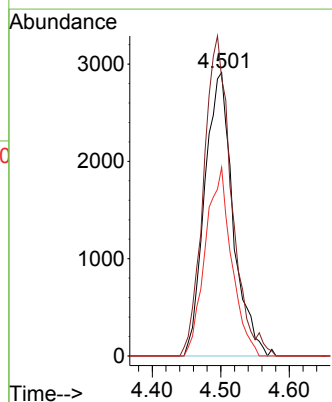
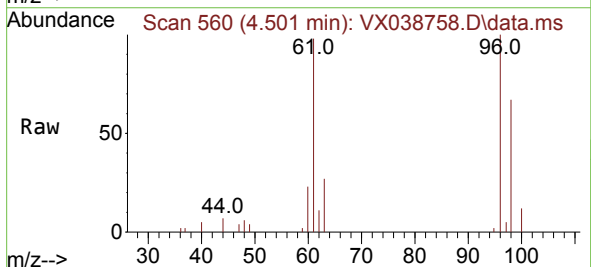


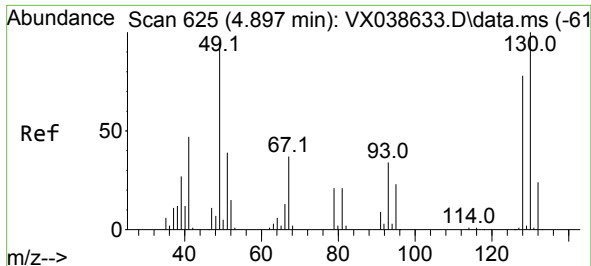
Tgt Ion: 63 Resp: 5519
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.3 9.8
 100 6.3 2.1 6.5



#27
 cis-1,2-Dichloroethene
 Concen: 2.698 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.013 min
 Lab File: VX038758.D
 Acq: 11 Nov 2023 04:46

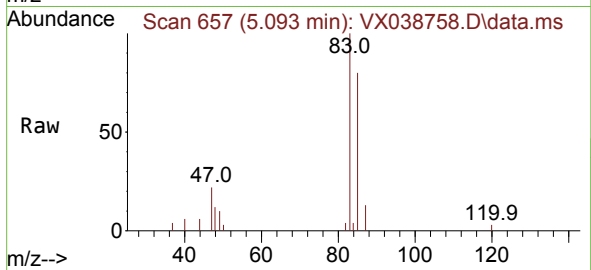
Tgt Ion: 96 Resp: 8384
 Ion Ratio Lower Upper
 96 100
 61 111.2 0.0 312.2
 98 61.5 0.0 129.0



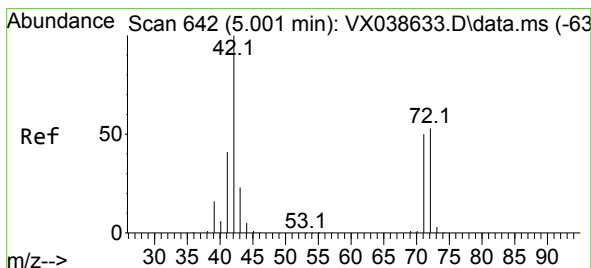
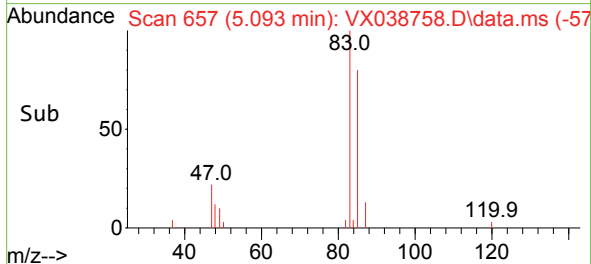
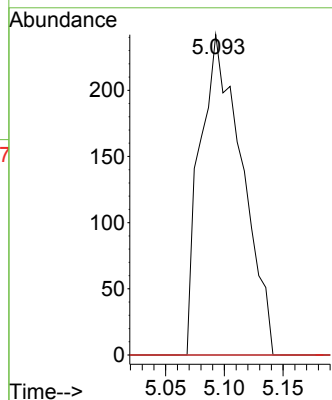


#28
Bromochloromethane
Concen: 0.303 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.196 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Instrument :
MSVOA_X
ClientSampleId :

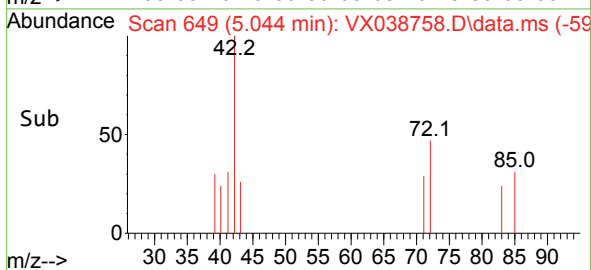
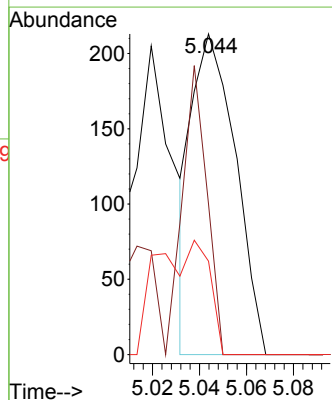
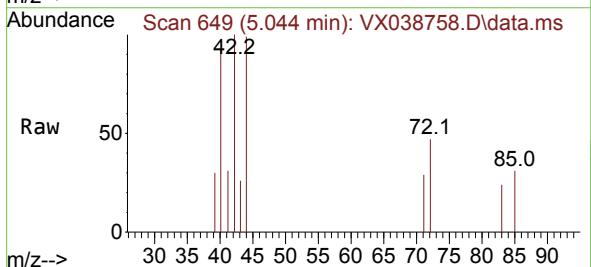


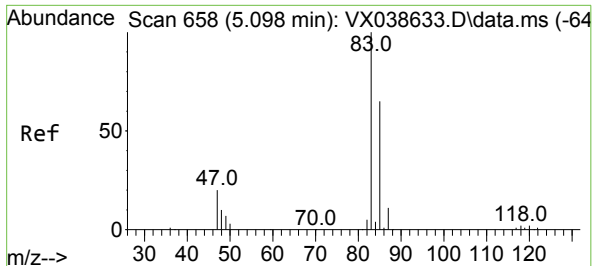
Tgt Ion: 49 Resp: 601
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion: 42 Resp: 274
Ion Ratio Lower Upper
42 100
72 50.7 34.2 51.4
71 43.1 32.2 48.2





#30

Chloroform

Concen: 1.728 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

Instrument :

MSVOA_X

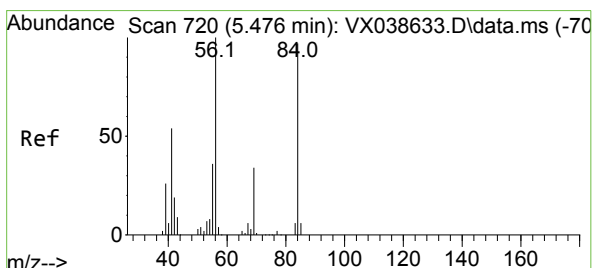
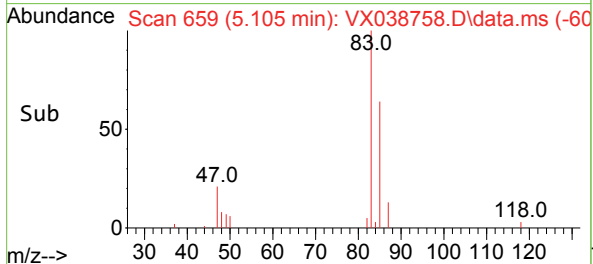
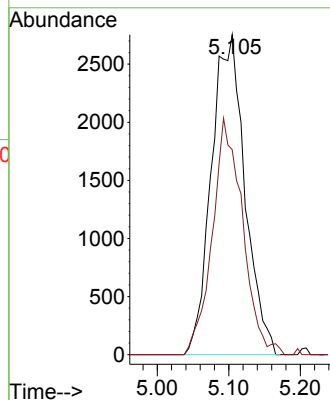
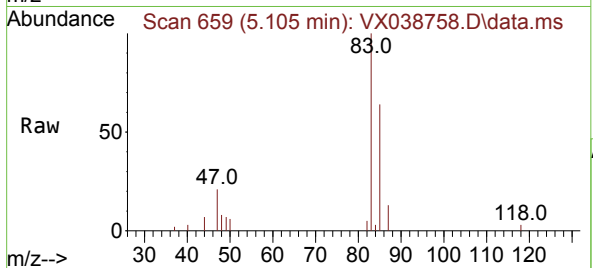
ClientSampleId :

Tgt Ion: 83 Resp: 8951

Ion Ratio Lower Upper

83 100

85 64.1 50.3 75.5



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.067 min

Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

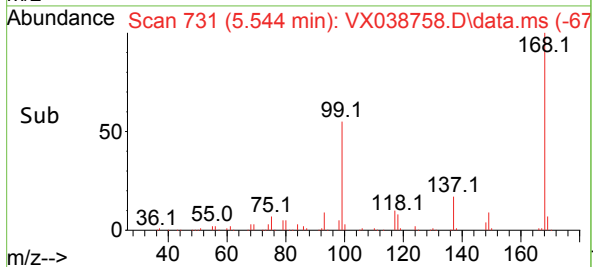
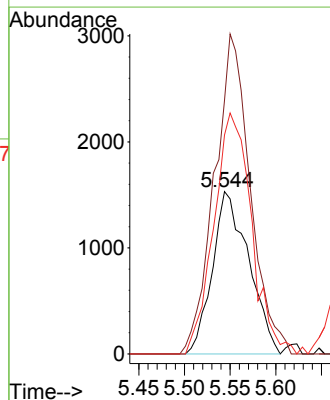
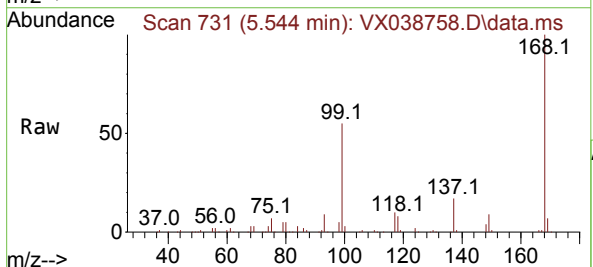
Tgt Ion: 56 Resp: 4227

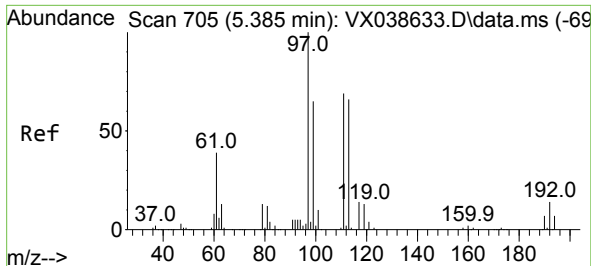
Ion Ratio Lower Upper

56 100

69 156.3 23.4 35.2#

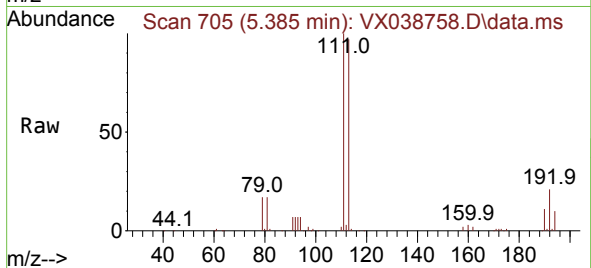
84 134.9 65.9 98.9#



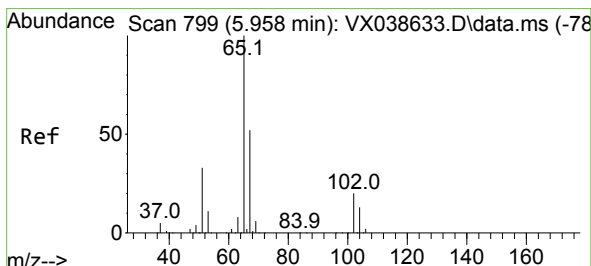
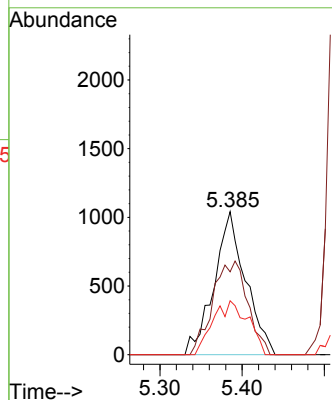
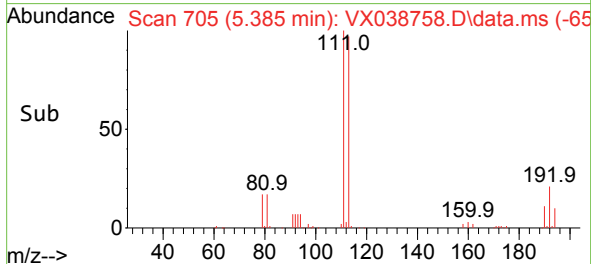


#32
1,1,1-Trichloroethane
Concen: 0.608 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Instrument :
MSVOA_X
ClientSampleId :

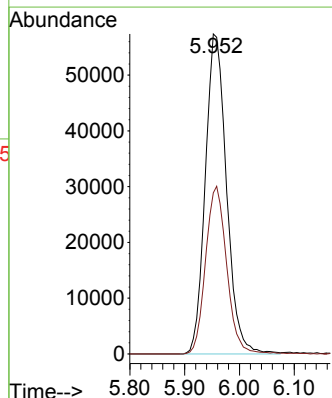
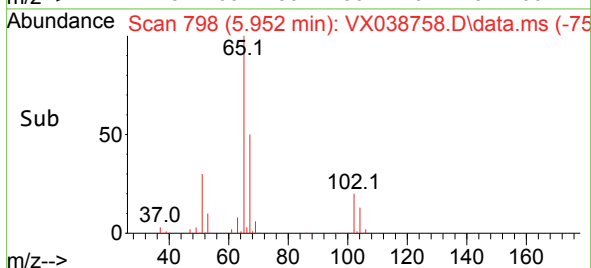
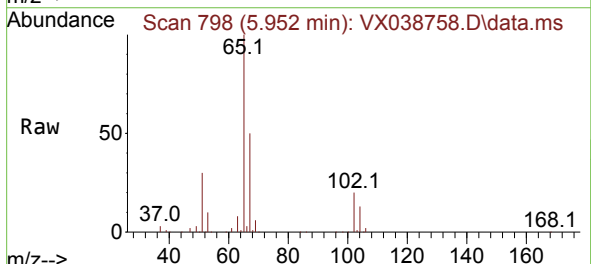


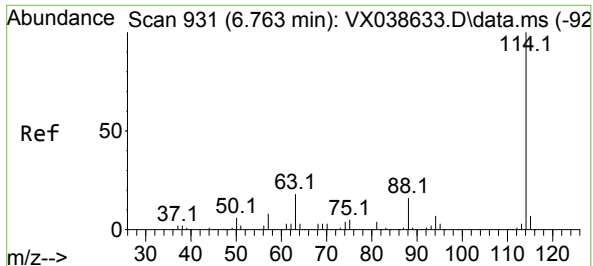
Tgt Ion: 97 Resp: 2773
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 41.8 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 46.767 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion: 65 Resp: 154204
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

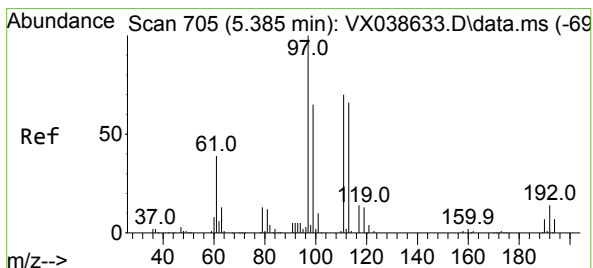
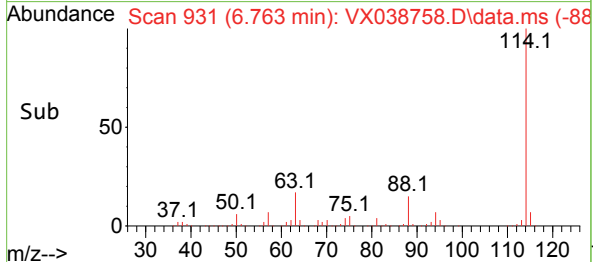
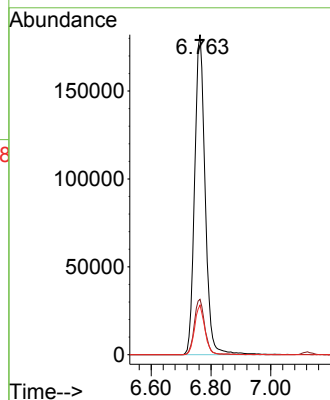
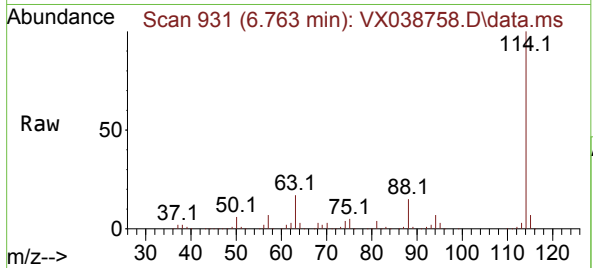




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

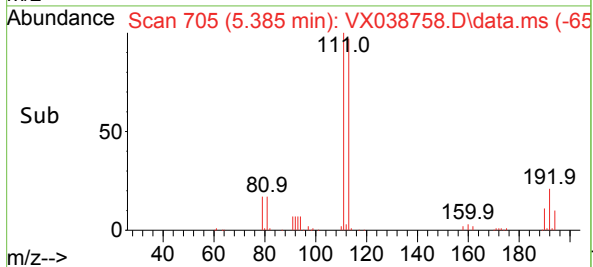
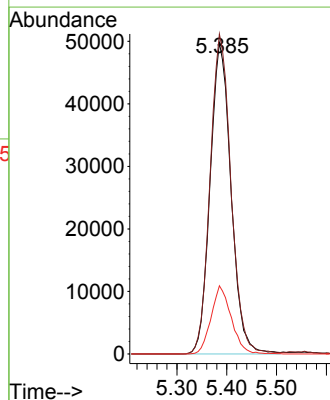
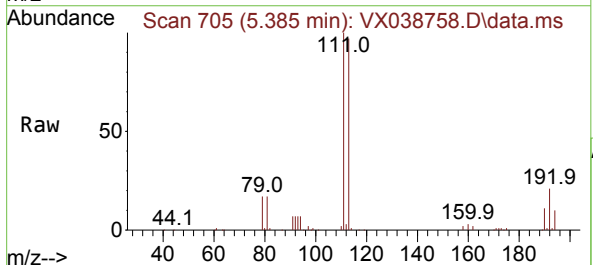
Instrument :
MSVOA_X
ClientSampleId :

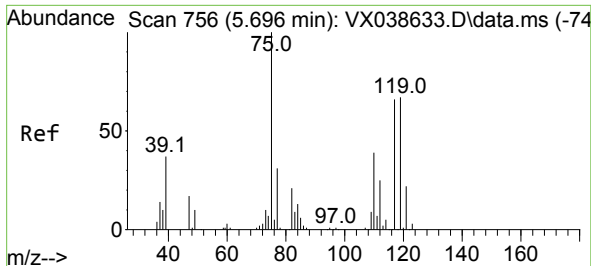
Tgt Ion:114 Resp: 443929
Ion Ratio Lower Upper
114 100
63 17.3 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.332 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion:113 Resp: 144942
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 21.2 13.3 19.9#





#36

1,1-Dichloropropene

Concen: 4.128 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

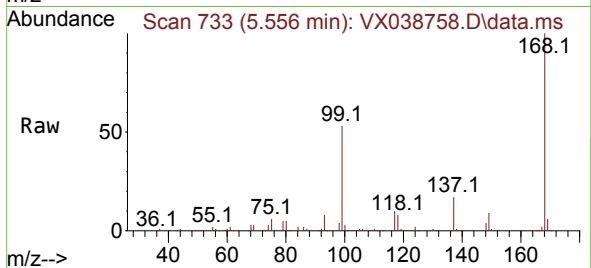
Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

Instrument :

MSVOA_X

ClientSampleId :



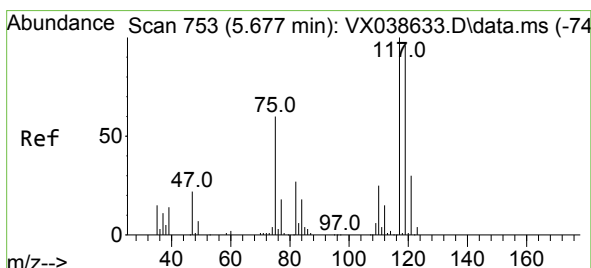
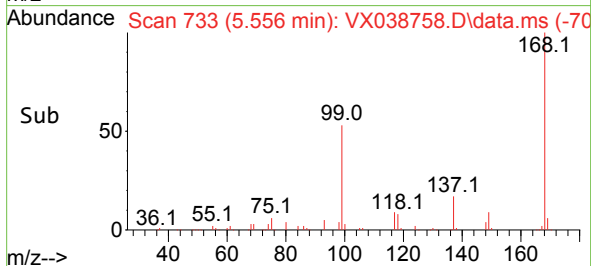
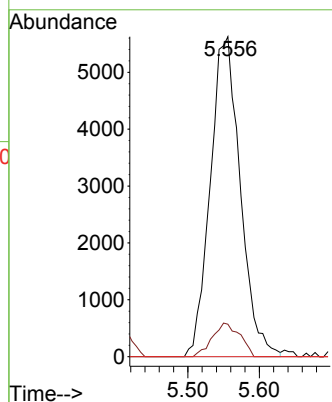
Tgt Ion: 75 Resp: 16395

Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 2.493 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

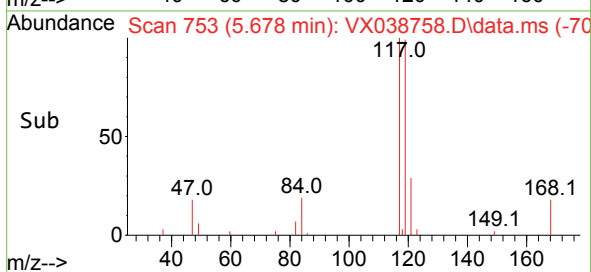
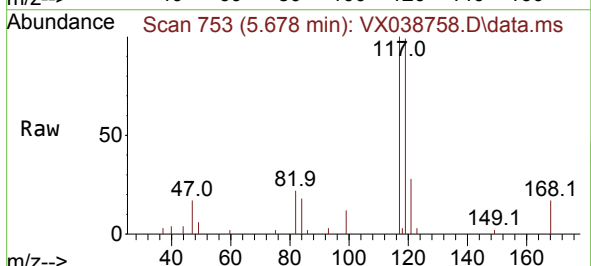
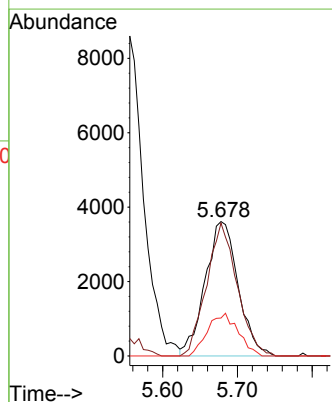
Tgt Ion: 117 Resp: 11070

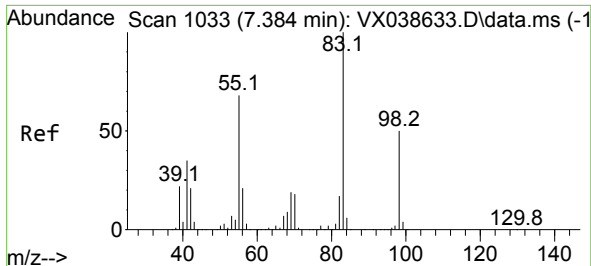
Ion Ratio Lower Upper

117 100

119 98.8 78.2 117.2

121 28.3 24.4 36.6





#39

Methylcyclohexane

Concen: 2.559 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

Instrument :

MSVOA_X

ClientSampleId :

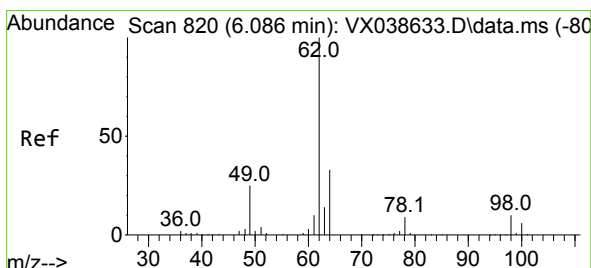
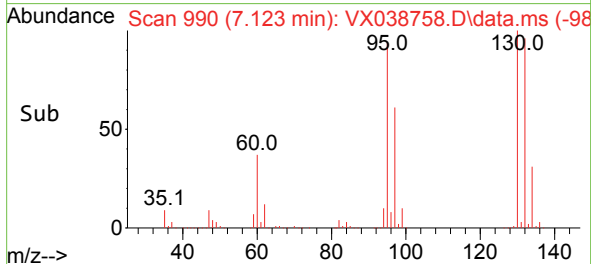
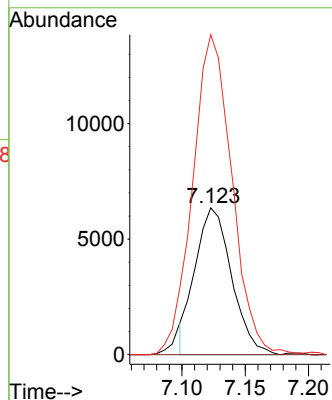
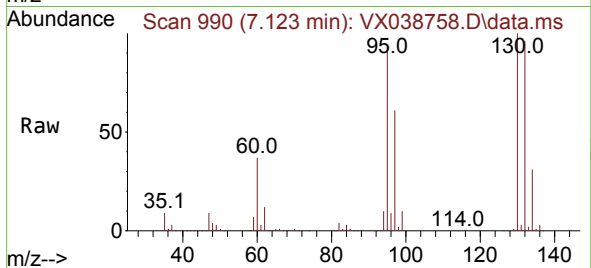
Tgt Ion: 83 Resp: 12709

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 214.4 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 0.341 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.007 min

Lab File: VX038758.D

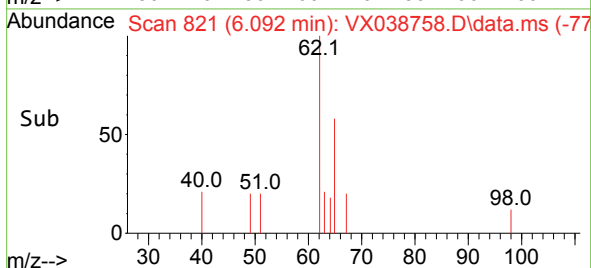
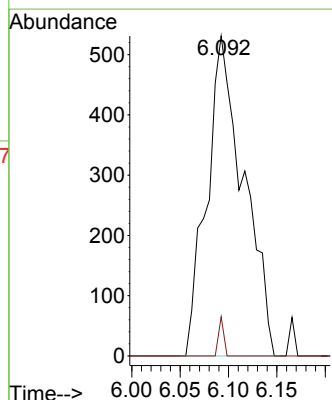
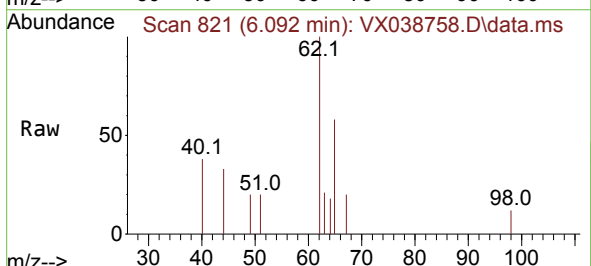
Acq: 11 Nov 2023 04:46

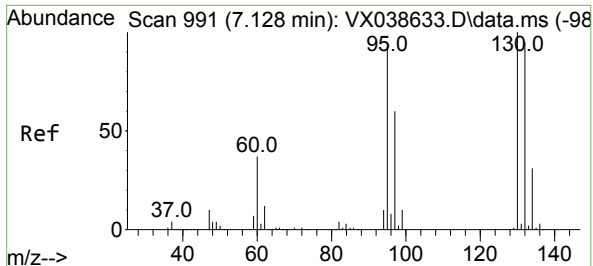
Tgt Ion: 62 Resp: 1406

Ion Ratio Lower Upper

62 100

98 1.7 0.0 16.0

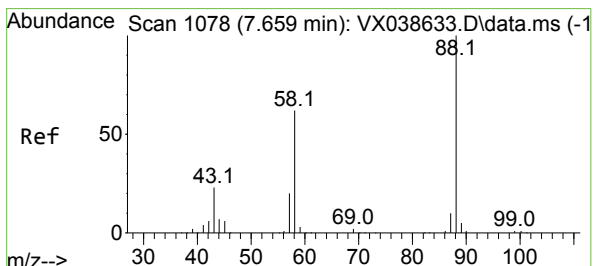
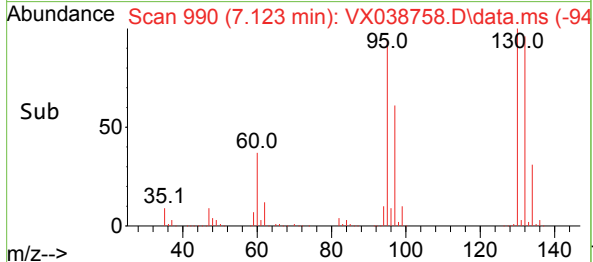
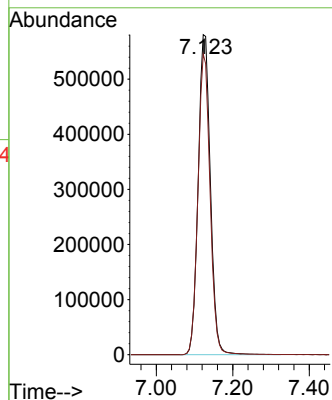
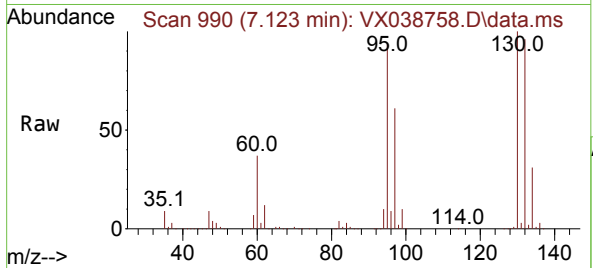




#44
Trichloroethene
Concen: 360.531 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

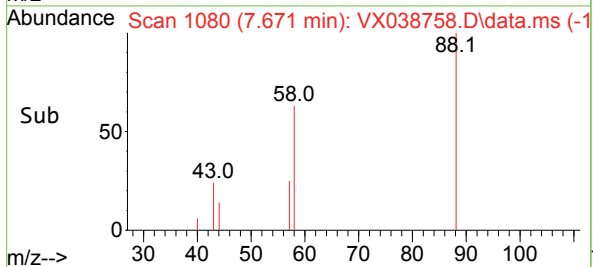
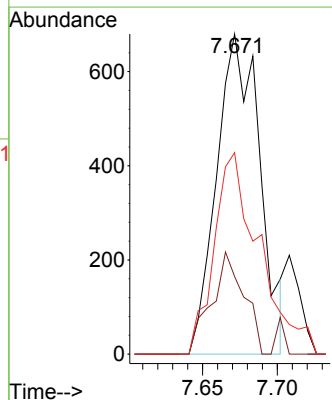
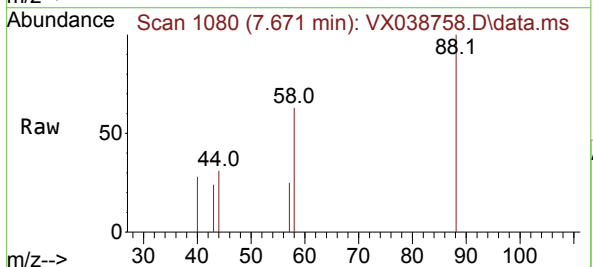
Instrument :
MSVOA_X
ClientSampleId :

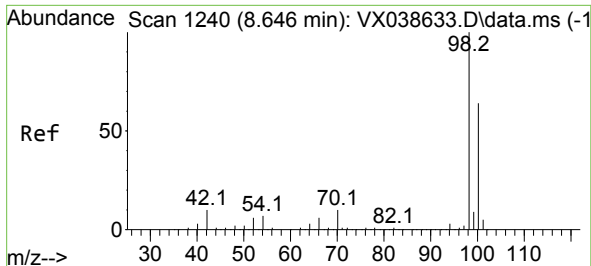
Tgt Ion:130 Resp: 1283243
Ion Ratio Lower Upper
130 100
95 93.9 0.0 204.4



#49
1,4-Dioxane
Concen: 19.899 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.013 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion: 88 Resp: 1361
Ion Ratio Lower Upper
88 100
43 24.1 0.0 0.0#
58 66.1 60.1 90.1

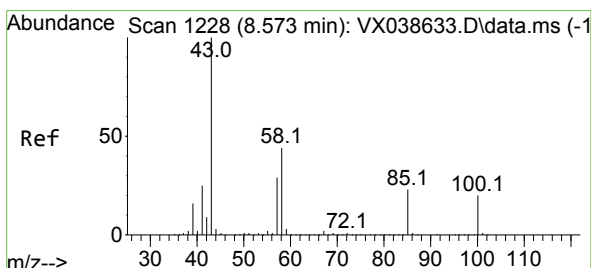
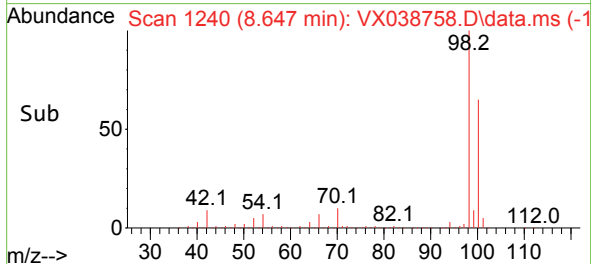
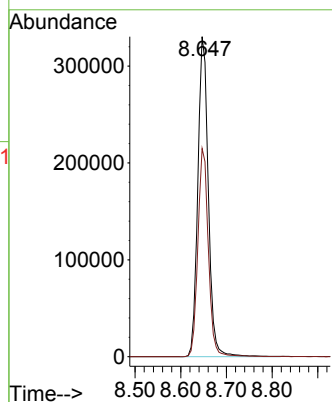
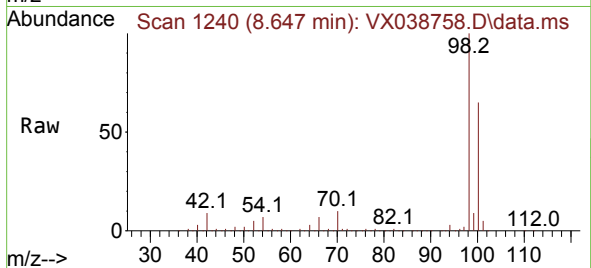




#50
Toluene-d8
Concen: 46.078 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

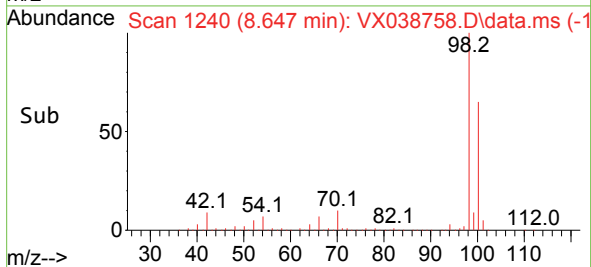
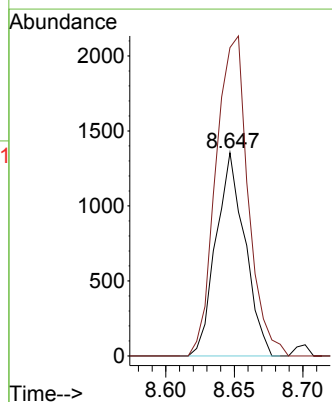
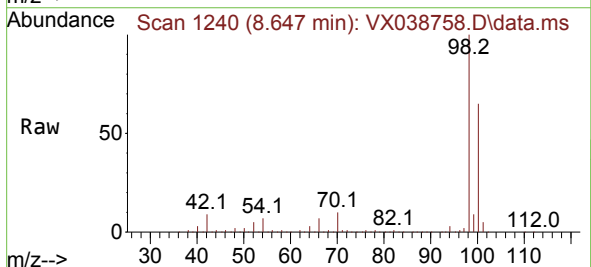
Instrument :
MSVOA_X
ClientSampleId :

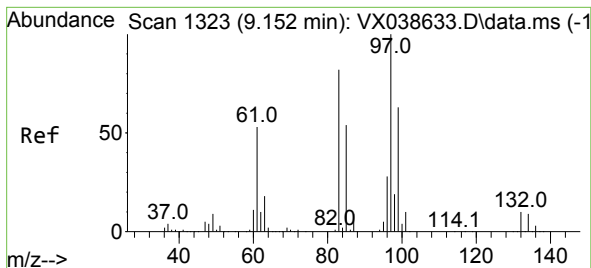
Tgt Ion: 98 Resp: 527185
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.490 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.074 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
58 175.6 30.4 45.6#





#55

1,1,2-Trichloroethane

Concen: 0.969 ug/l

RT: 9.153 min Scan# 11

Delta R.T. 0.000 min

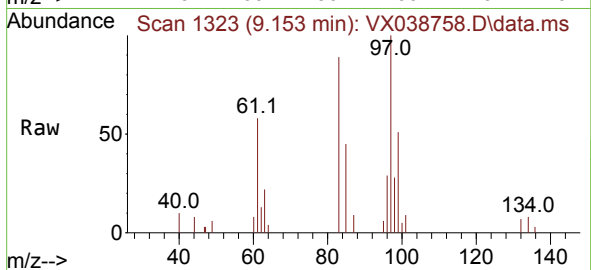
Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 3080

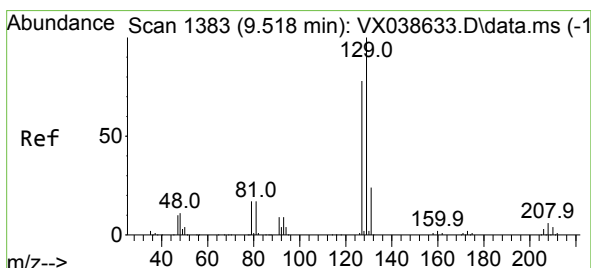
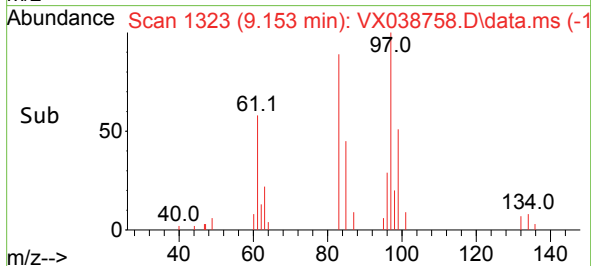
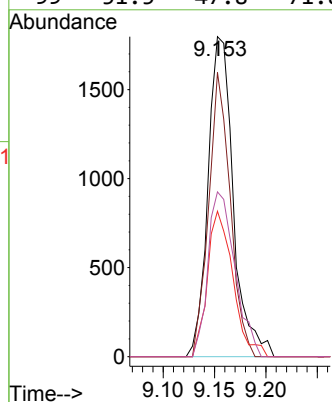
Ion Ratio Lower Upper

97 100

83 88.8 65.8 98.8

85 45.5 41.6 62.4

99 51.5 47.8 71.8



#60

Dibromochloromethane

Concen: 0.209 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.250 min

Lab File: VX038758.D

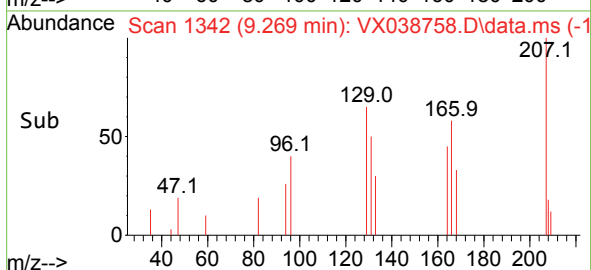
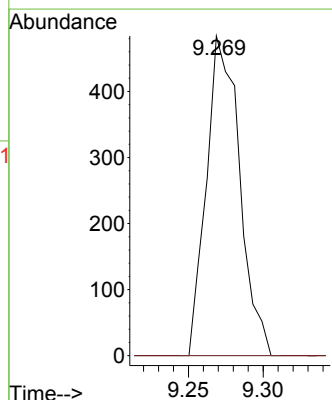
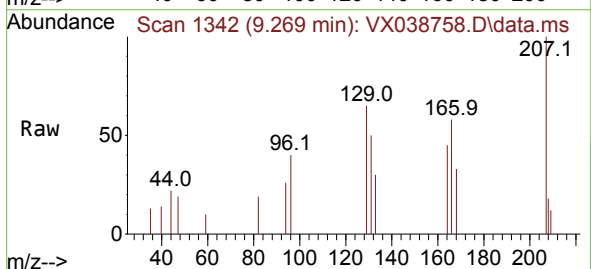
Acq: 11 Nov 2023 04:46

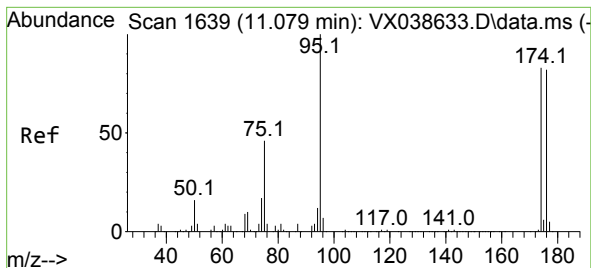
Tgt Ion: 129 Resp: 746

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

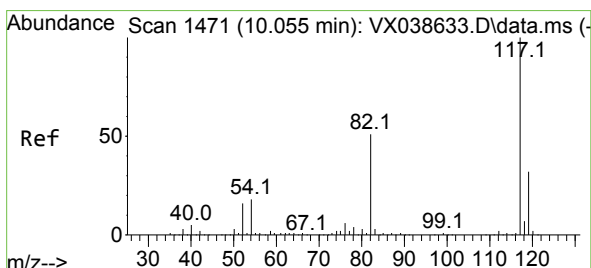
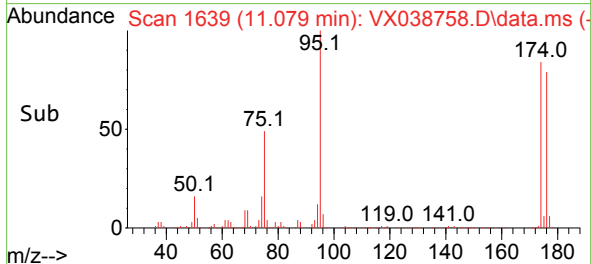
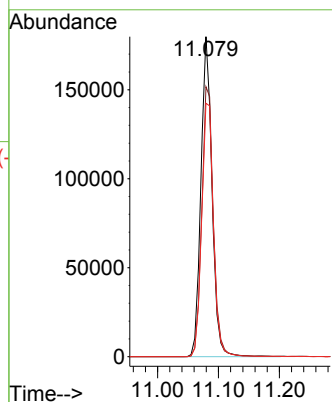
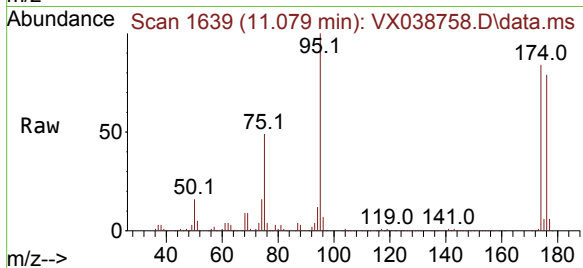




#62
4-Bromofluorobenzene
Concen: 51.349 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

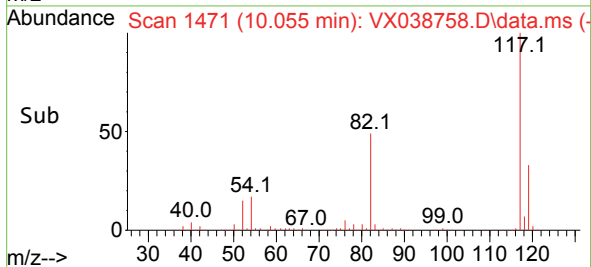
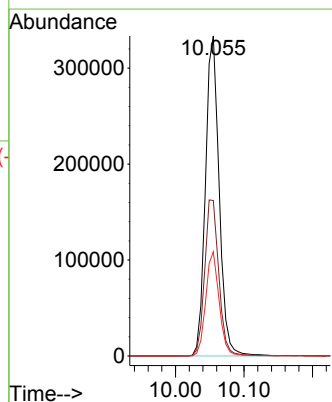
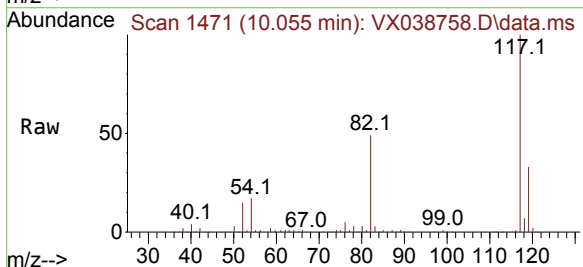
Instrument :
MSVOA_X
ClientSampleId :

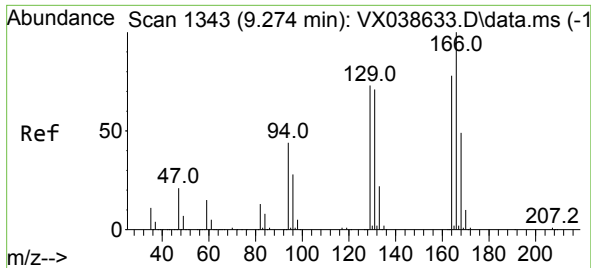
Tgt Ion: 95 Resp: 227780
Ion Ratio Lower Upper
95 100
174 88.2 0.0 135.6
176 84.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

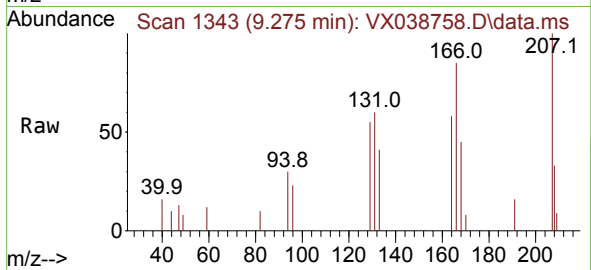
Tgt Ion: 117 Resp: 465062
Ion Ratio Lower Upper
117 100
82 48.6 46.2 69.4
119 32.5 25.5 38.3



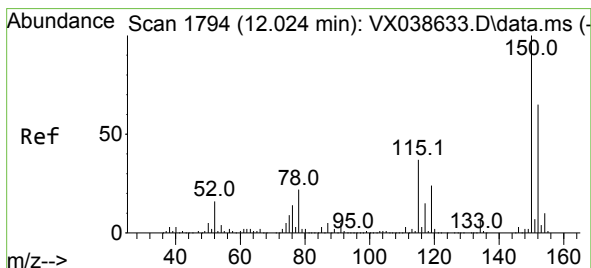
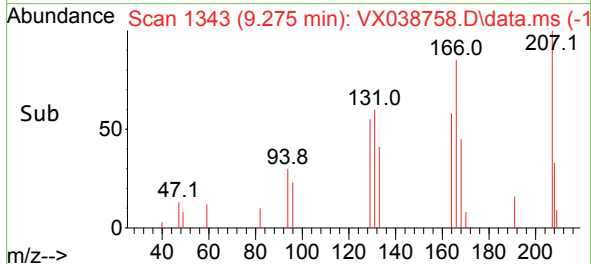
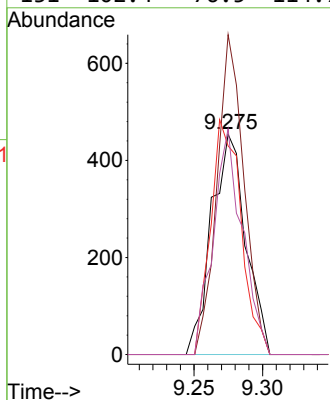


#64
Tetrachloroethene
Concen: 0.227 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Instrument :
MSVOA_X
ClientSampleId :

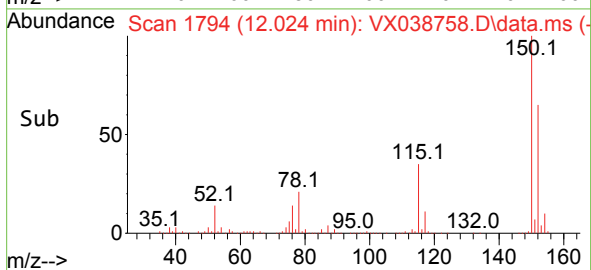
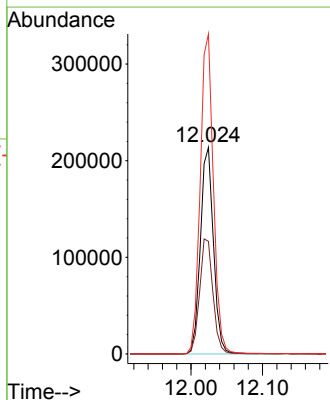
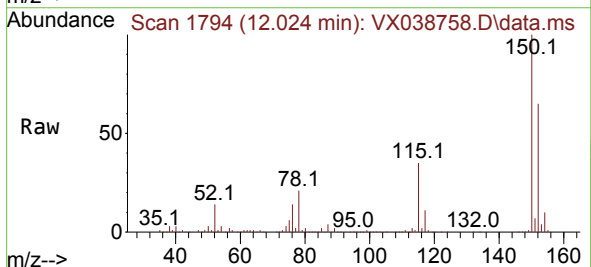


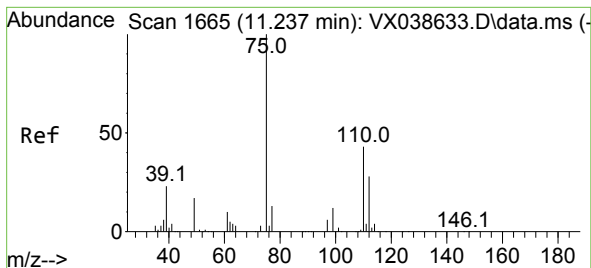
Tgt Ion:164 Resp: 790
Ion Ratio Lower Upper
164 100
166 145.2 102.7 154.1
129 94.7 80.4 120.6
131 102.4 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038758.D
Acq: 11 Nov 2023 04:46

Tgt Ion:152 Resp: 271740
Ion Ratio Lower Upper
152 100
115 56.9 43.3 129.9
150 155.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.390 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

Instrument :

MSVOA_X

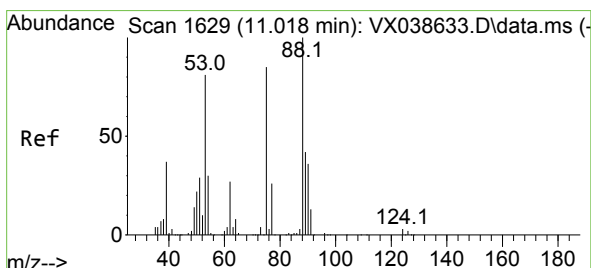
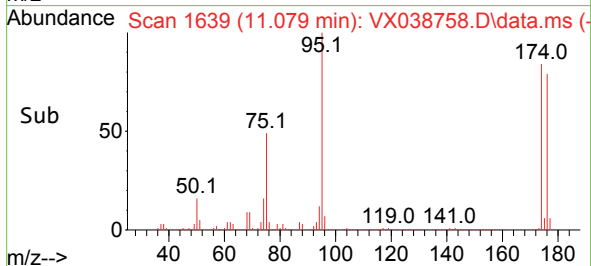
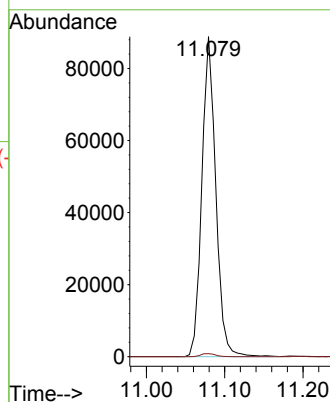
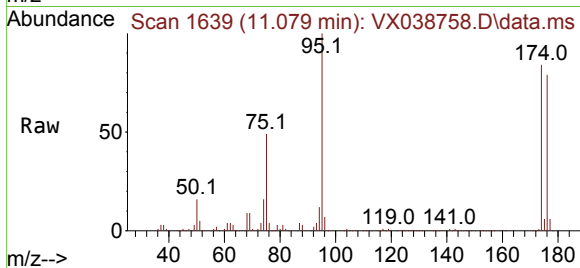
ClientSampleId :

Tgt Ion: 75 Resp: 109737

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.186 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038758.D

Acq: 11 Nov 2023 04:46

Tgt Ion: 75 Resp: 109737

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

