

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038924.D
 Acq On : 18 Nov 2023 13:36
 Operator : JC/MD
 Sample : 05404-22DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 20 04:34:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

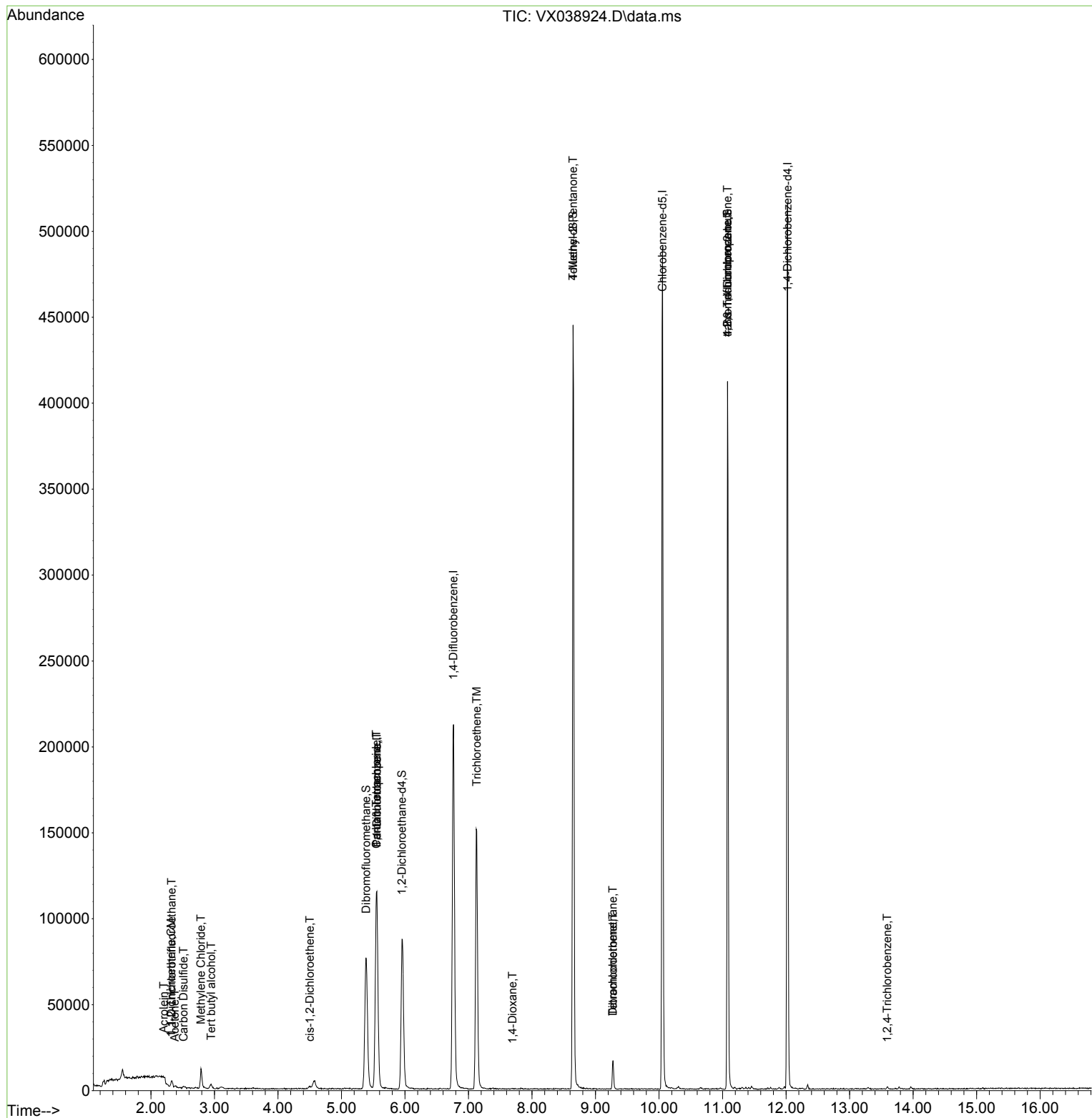
Internal Standards						
1) Pentafluorobenzene	5.556	168	104308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84021	49.990	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.980%
35) Dibromofluoromethane	5.385	113	68963	44.818	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.640%
50) Toluene-d8	8.646	98	269315	45.746	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.500%#
62) 4-Bromofluorobenzene	11.079	95	113422	48.128	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.260%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.324	101	1213	0.942	ug/l	88
11) Tert butyl alcohol	2.946	59	1632	3.491	ug/l #	78
12) 1,1-Dichloroethene	2.318	96	384	0.295	ug/l	89
13) Acrolein	2.203	56	84	0.340	ug/l #	1
16) Acetone	2.373	43	961	1.074	ug/l #	69
17) Carbon Disulfide	2.513	76	937	0.233	ug/l #	76
20) Methylene Chloride	2.788	84	4737	2.937	ug/l	96
27) cis-1,2-Dichloroethene	4.501	96	1088	0.651	ug/l	77
36) 1,1-Dichloropropene	5.556	75	9246	4.193	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11551	5.667	ug/l #	15
44) Trichloroethene	7.128	130	55523	34.971	ug/l	100
49) 1,4-Dioxane	7.689	88	232	5.383	ug/l #	99
51) 4-Methyl-2-Pentanone	8.646	43	1706	0.581	ug/l #	1
60) Dibromochloromethane	9.274	129	3062	1.783	ug/l #	11
64) Tetrachloroethene	9.274	164	2793	2.093	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	59927	22.792	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59927	50.555	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	491	0.214	ug/l #	80

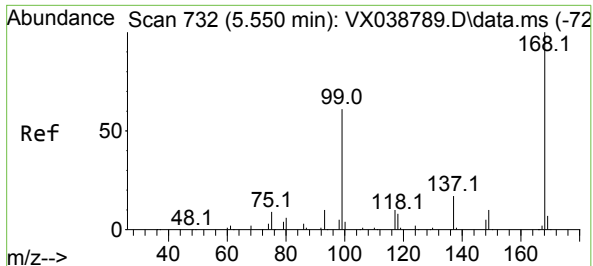
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 20 04:34:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

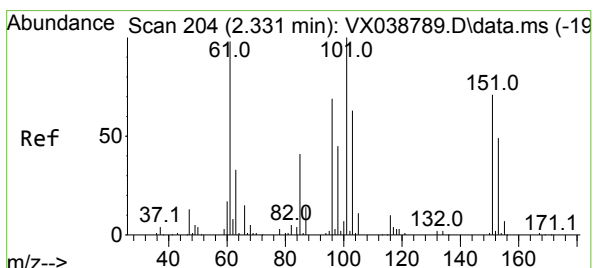
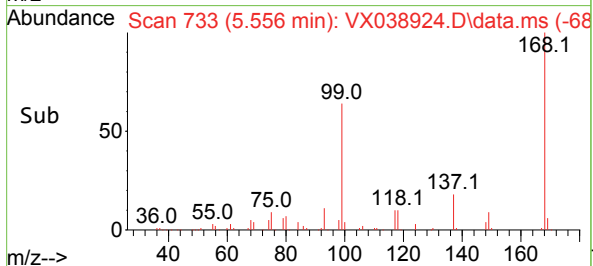
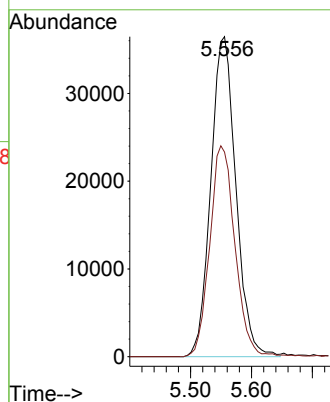
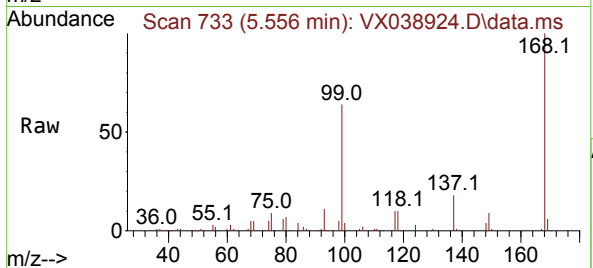




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

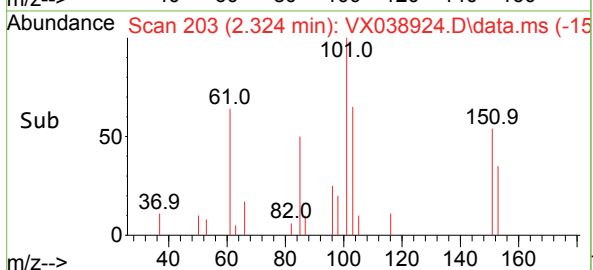
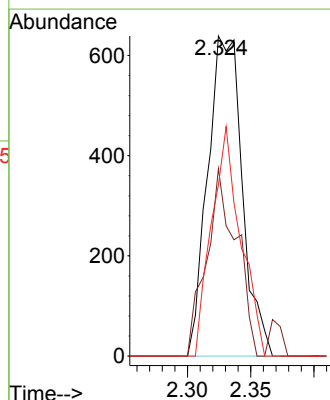
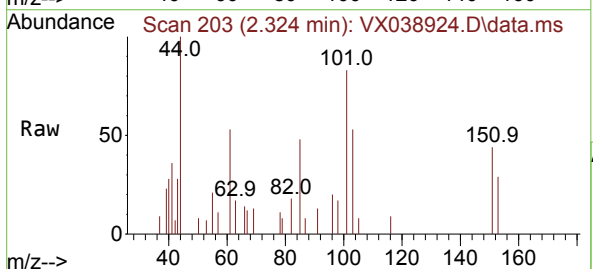
Instrument :
MSVOA_X
ClientSampleId :

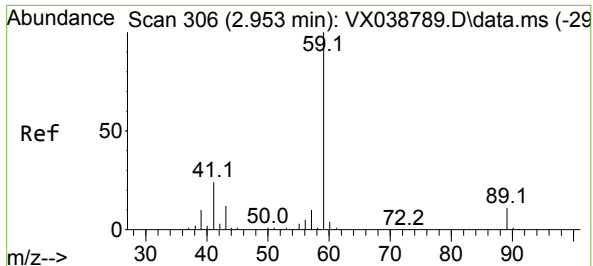
Tgt Ion:168 Resp: 104308
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.942 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Tgt Ion:101 Resp: 1213
Ion Ratio Lower Upper
101 100
85 51.1 37.0 55.6
151 60.2 58.6 87.8





#11

Tert butyl alcohol

Concen: 3.491 ug/l

RT: 2.946 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX038924.D

Acq: 18 Nov 2023 13:36

Instrument :

MSVOA_X

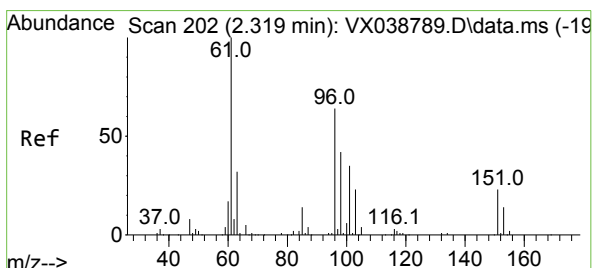
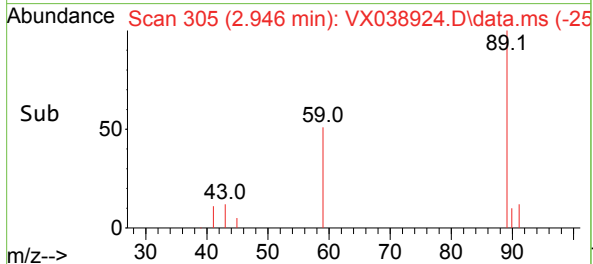
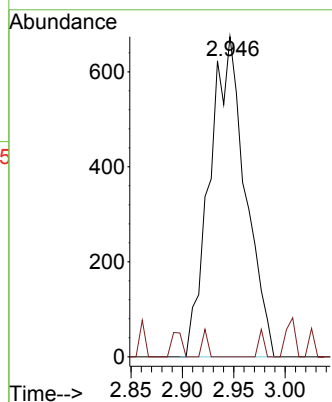
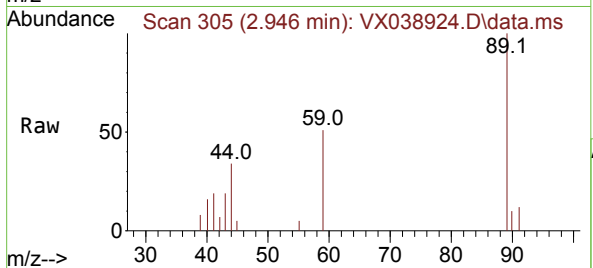
ClientSampleId :

Tgt Ion: 59 Resp: 1632

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.295 ug/l

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX038924.D

Acq: 18 Nov 2023 13:36

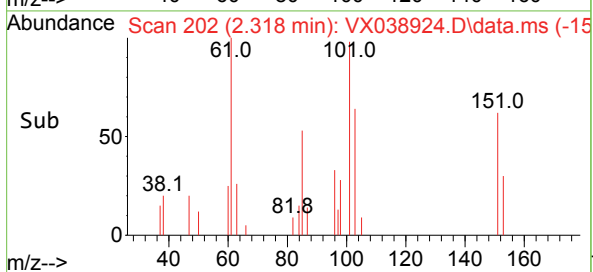
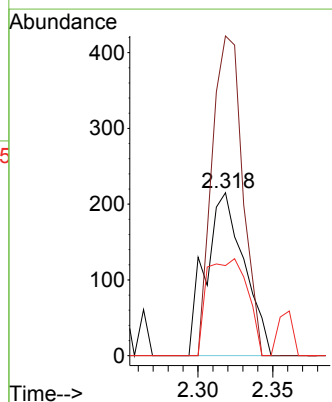
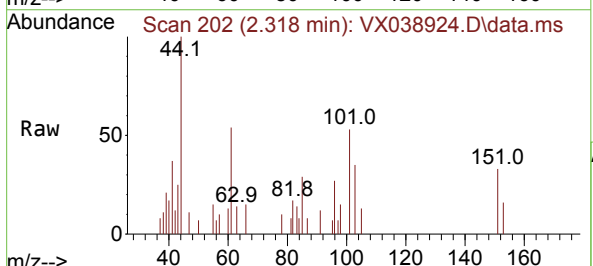
Tgt Ion: 96 Resp: 384

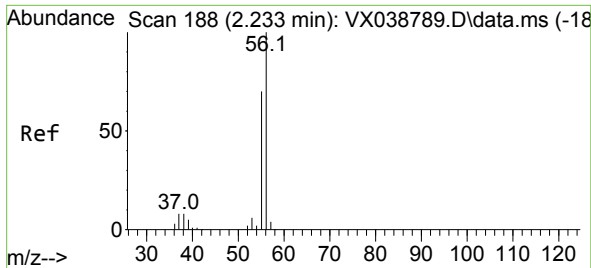
Ion Ratio Lower Upper

96 100

61 196.3 144.6 216.8

98 55.3 50.4 75.6

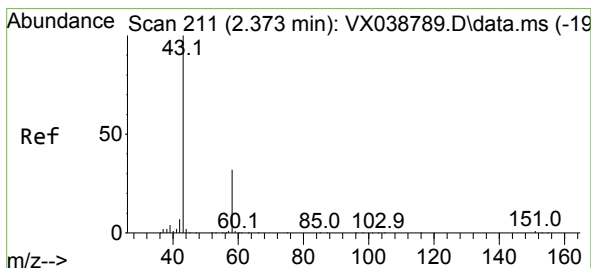
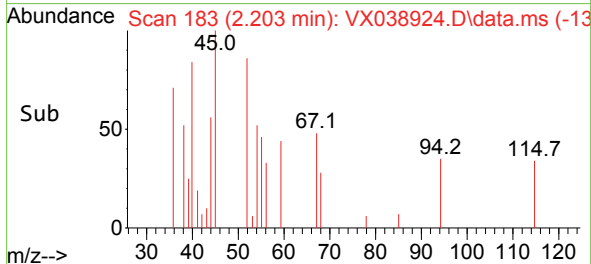
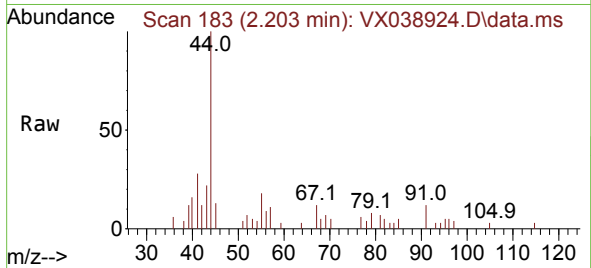




#13
Acrolein
Concen: 0.340 ug/l
RT: 2.203 min Scan# 188
Delta R.T. -0.031 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

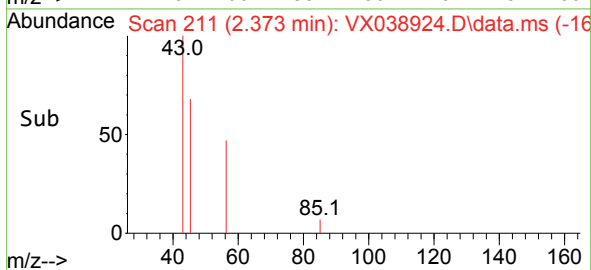
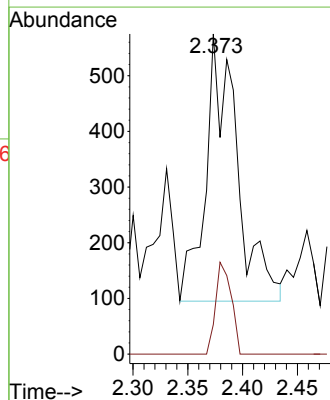
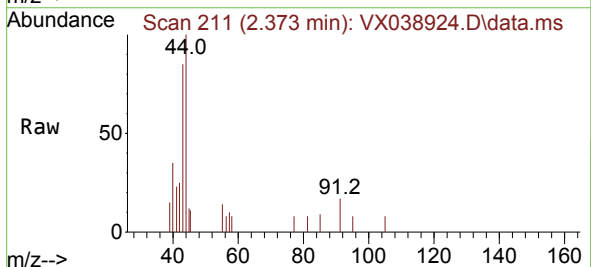
Instrument :
MSVOA_X
ClientSampleId :

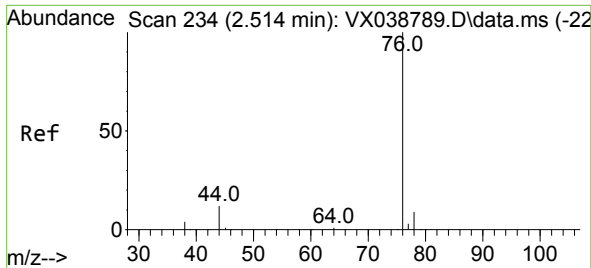
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 919.0 57.1 85.7#



#16
Acetone
Concen: 1.074 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 11.0 21.9 32.9#

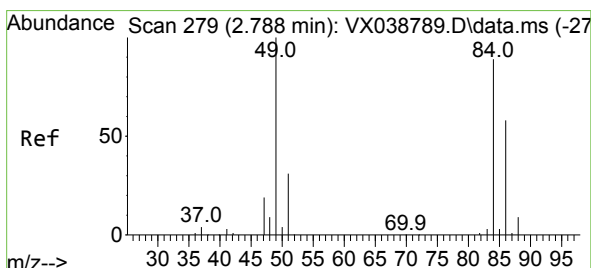
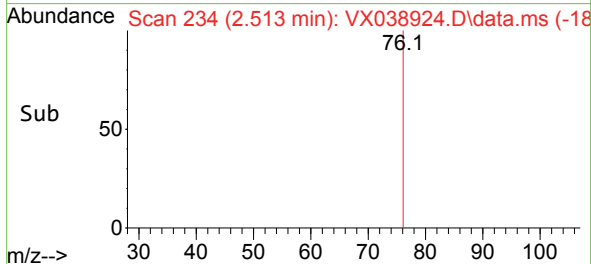
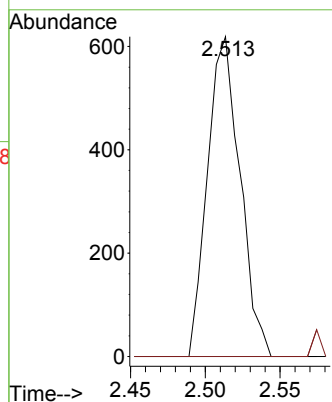
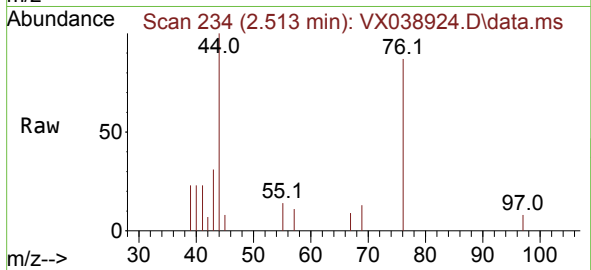




#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

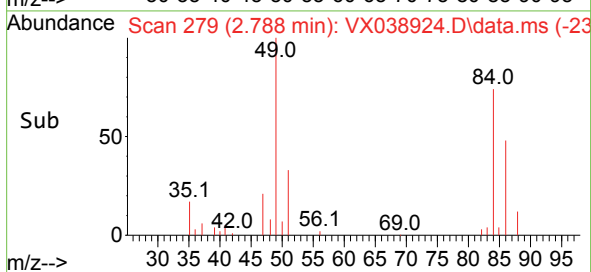
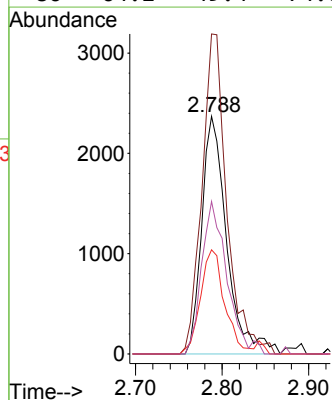
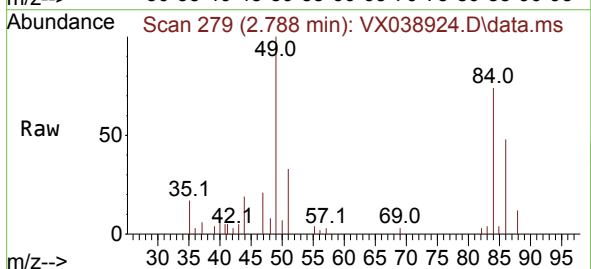
Instrument :
MSVOA_X
ClientSampleId :

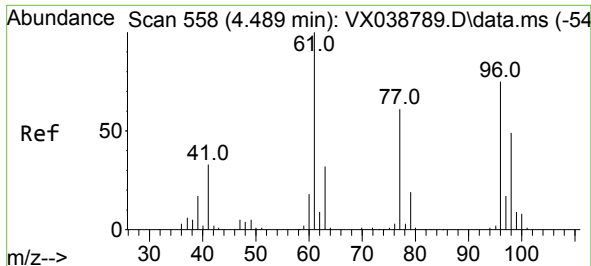
Tgt Ion: 76 Resp: 937
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: 2.937 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Tgt Ion: 84 Resp: 4737
Ion Ratio Lower Upper
84 100
49 134.7 103.6 155.4
51 43.9 33.8 50.6
86 64.2 49.4 74.0

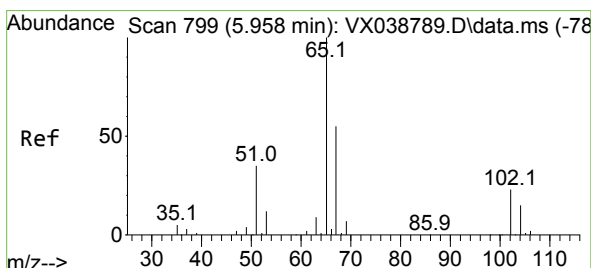
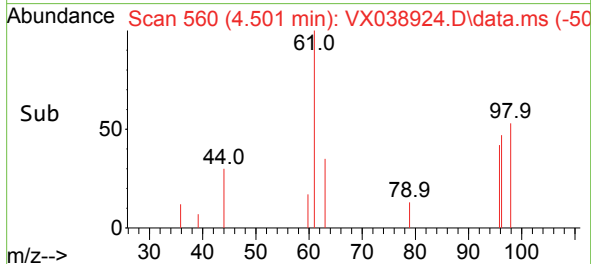
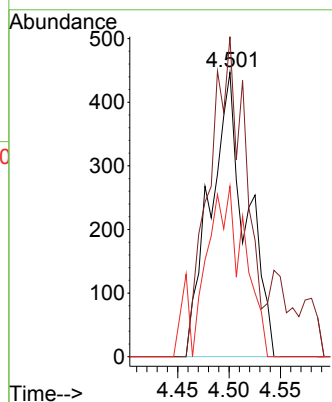
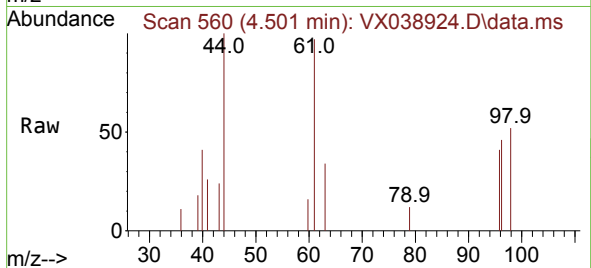




#27
 cis-1,2-Dichloroethene
 Concen: 0.651 ug/l
 RT: 4.501 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX038924.D
 Acq: 18 Nov 2023 13:36

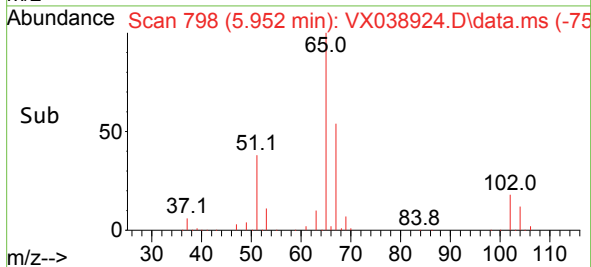
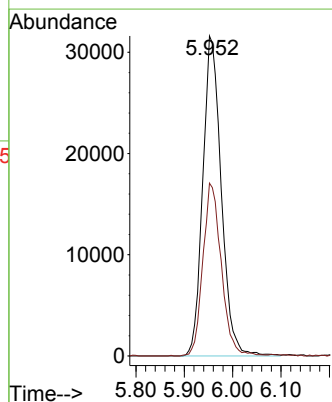
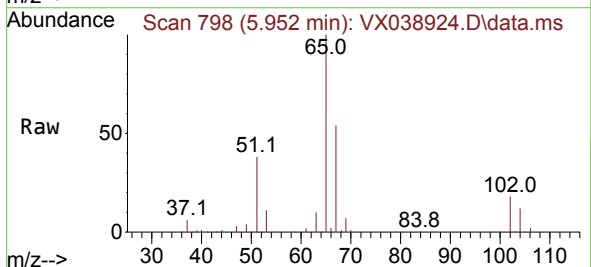
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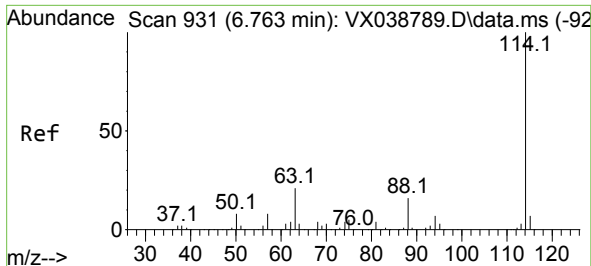
Tgt Ion: 96 Resp: 1088
 Ion Ratio Lower Upper
 96 100
 61 115.9 0.0 312.2
 98 60.8 0.0 129.0



#33
 1,2-Dichloroethane-d4
 Concen: 49.990 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX038924.D
 Acq: 18 Nov 2023 13:36

Tgt Ion: 65 Resp: 84021
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 100.2

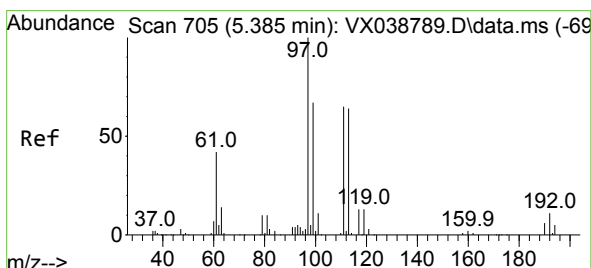
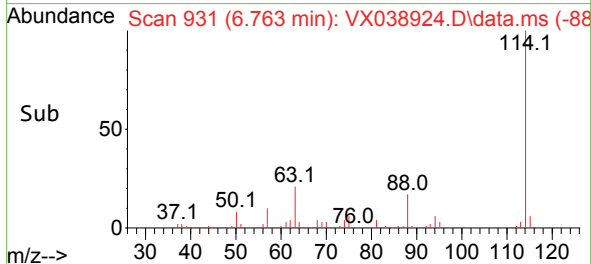
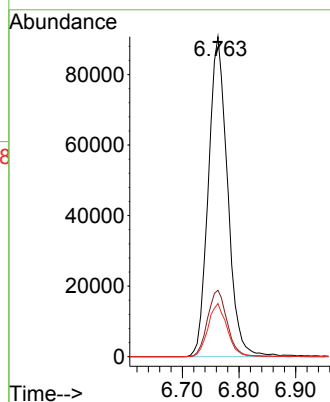
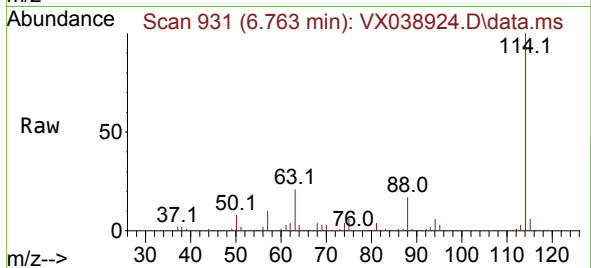




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

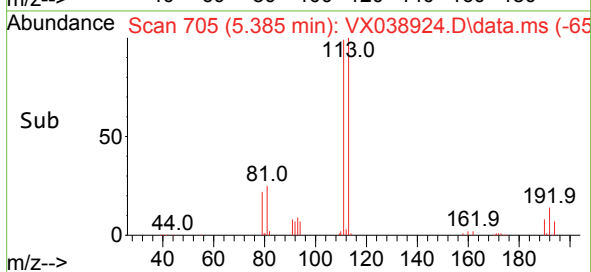
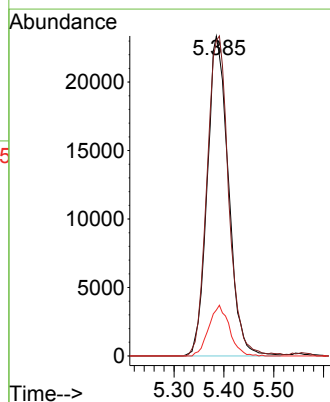
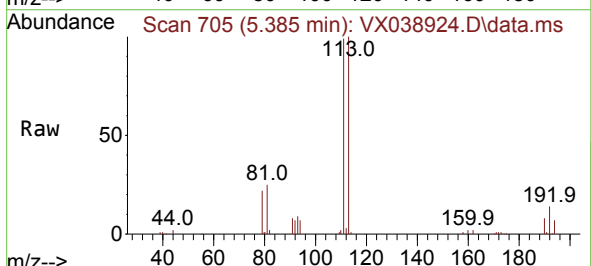
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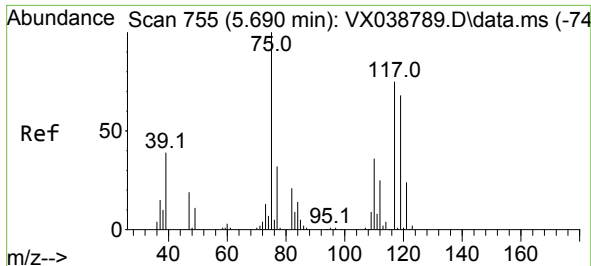
Tgt Ion:114 Resp: 213053
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.818 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

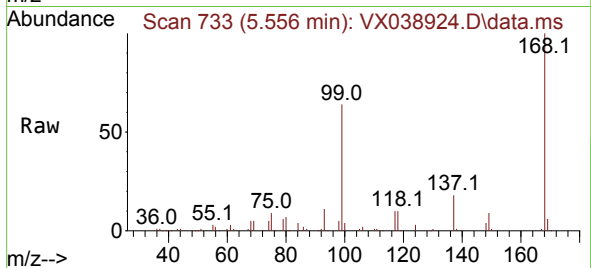
Tgt Ion:113 Resp: 68963
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 15.5 13.3 19.9



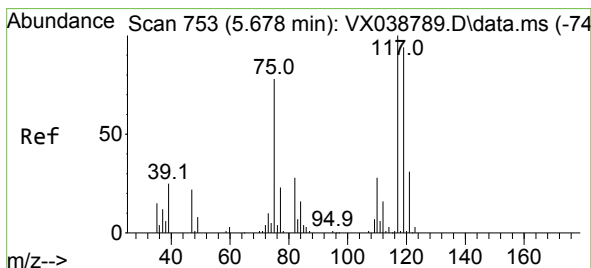
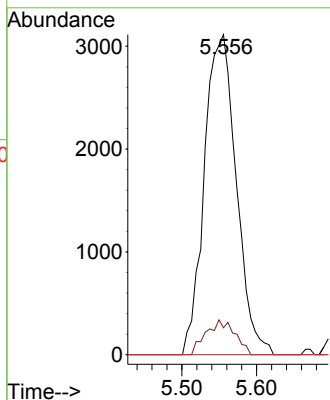
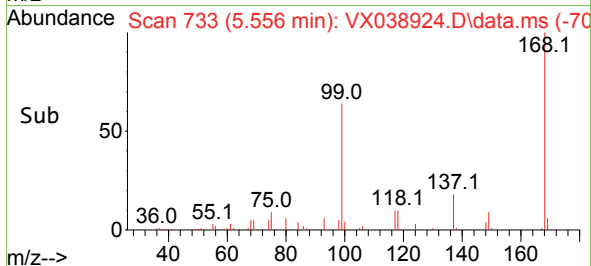


#36
1,1-Dichloropropene
Concen: 4.193 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

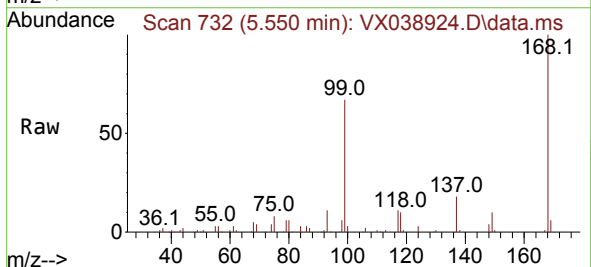
Instrument :
MSVOA_X
ClientSampleId :



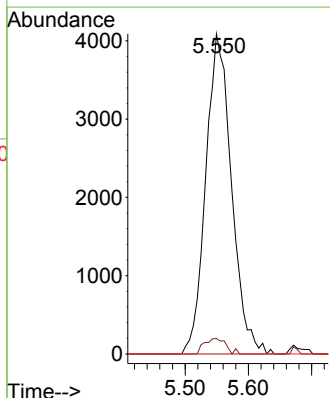
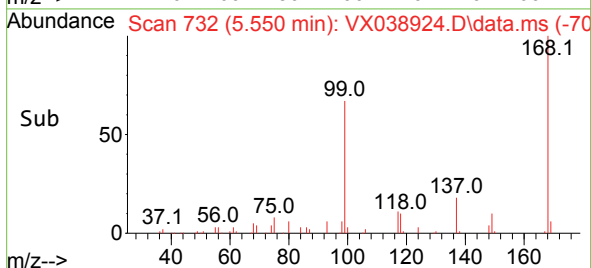
Tgt Ion: 75 Resp: 9246
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#

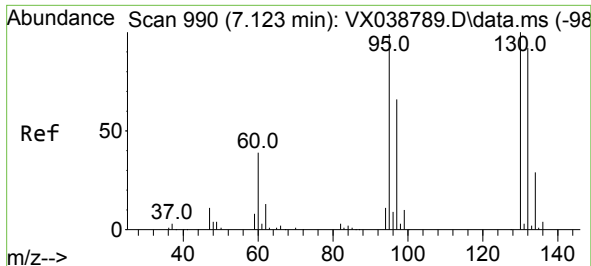


#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36



Tgt Ion: 117 Resp: 11551
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#

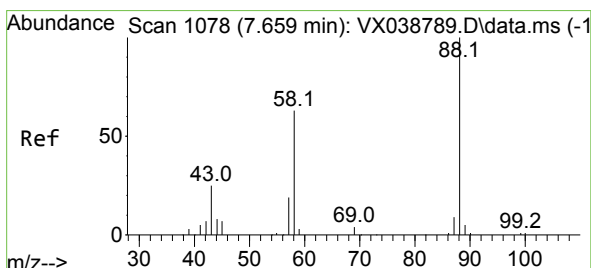
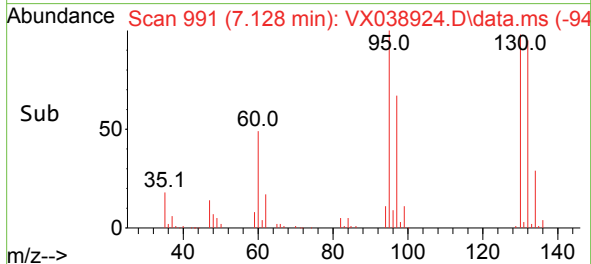
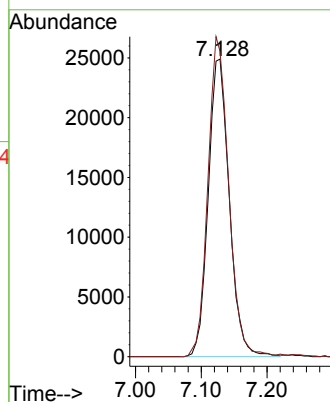
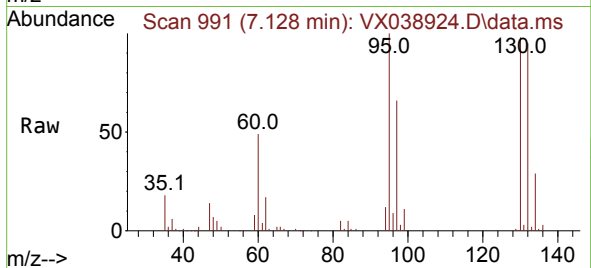




#44
Trichloroethene
Concen: 34.971 ug/l
RT: 7.128 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

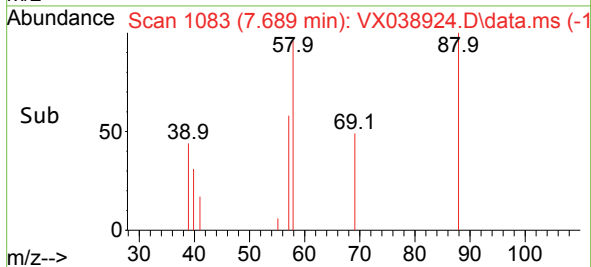
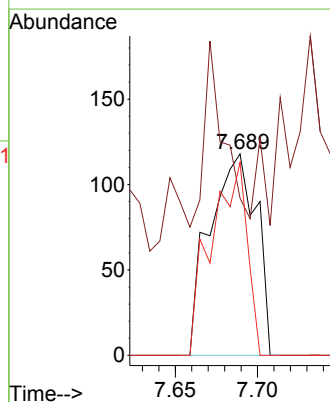
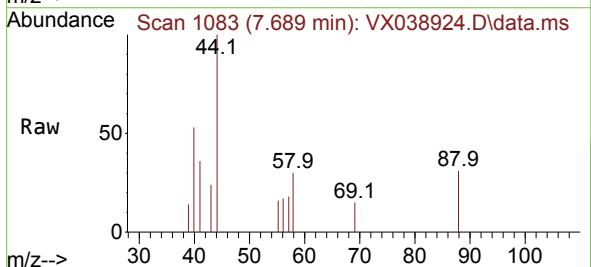
Instrument :
MSVOA_X
ClientSampleId :

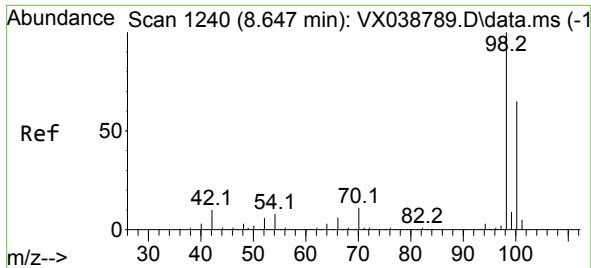
Tgt Ion:130 Resp: 55523
Ion Ratio Lower Upper
130 100
95 102.5 0.0 204.4



#49
1,4-Dioxane
Concen: 5.383 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 38.8 0.0 0.0#
58 74.1 60.1 90.1

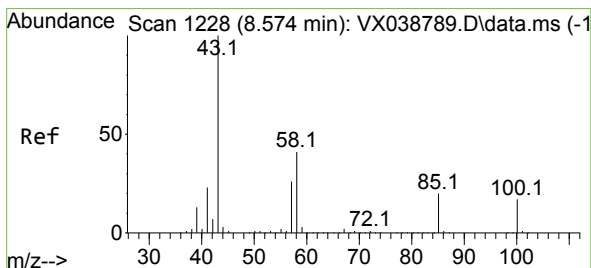
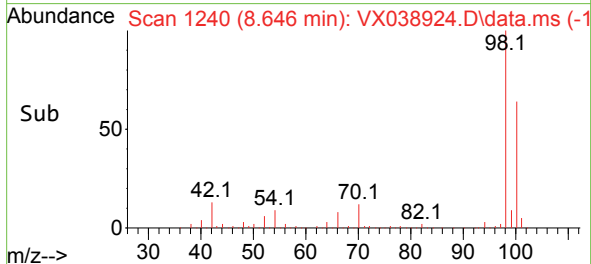
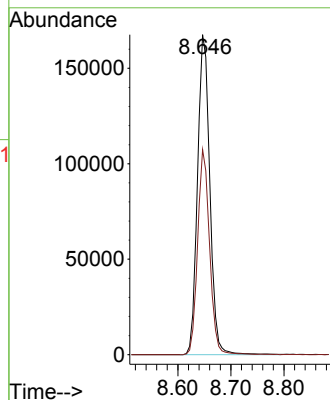
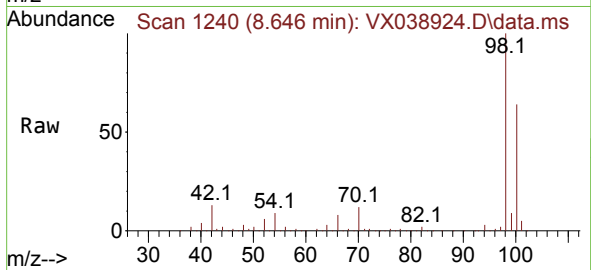




#50
Toluene-d8
Concen: 45.746 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

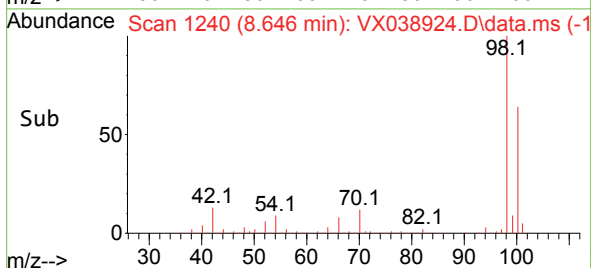
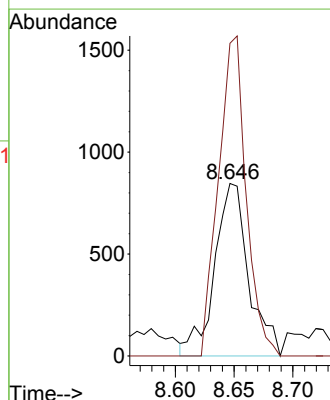
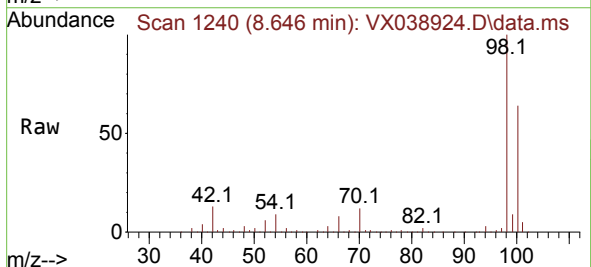
Instrument :
MSVOA_X
ClientSampleId :

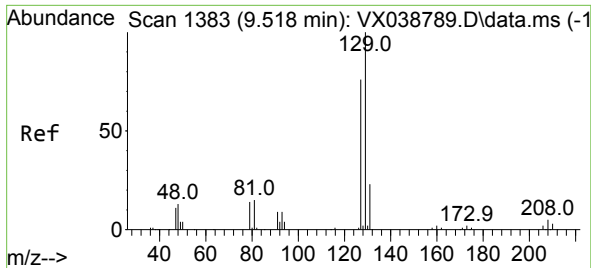
Tgt Ion: 98 Resp: 269315
Ion Ratio Lower Upper
98 100
100 62.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.581 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
58 151.3 30.4 45.6#

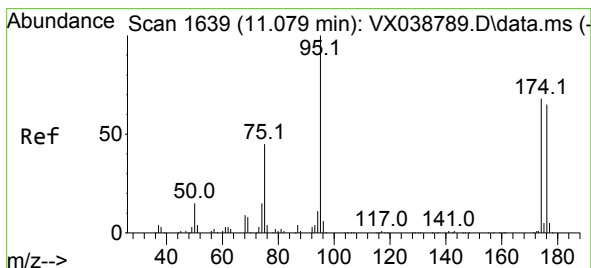
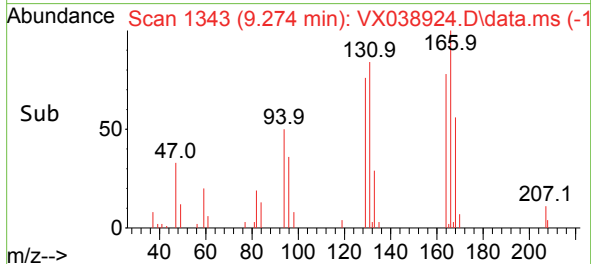
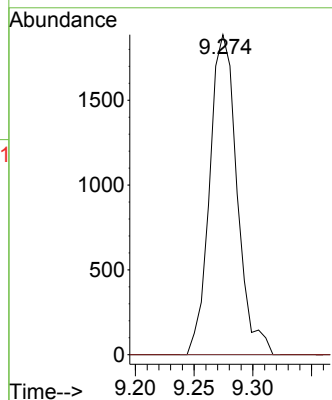
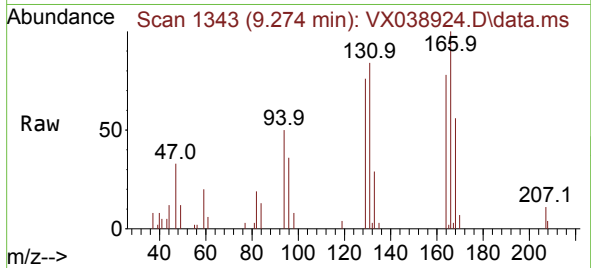




#60
Dibromochloromethane
Concen: 1.783 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

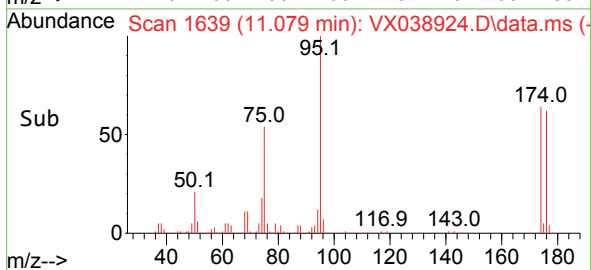
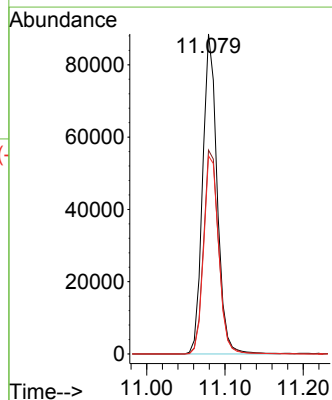
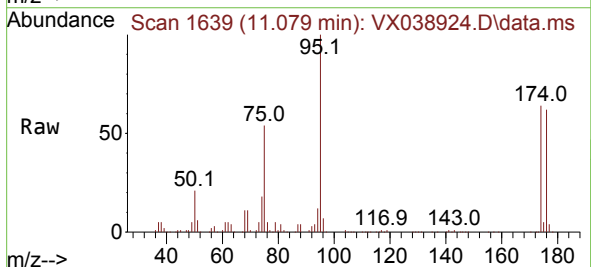
Instrument :
MSVOA_X
ClientSampleId :

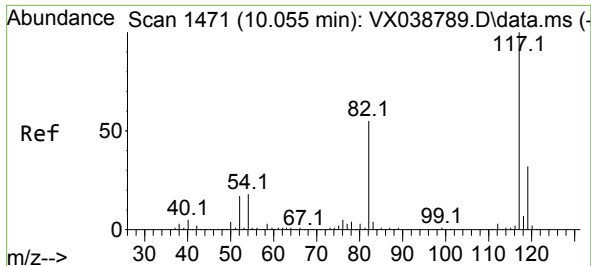
Tgt Ion:129 Resp: 3062
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.128 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

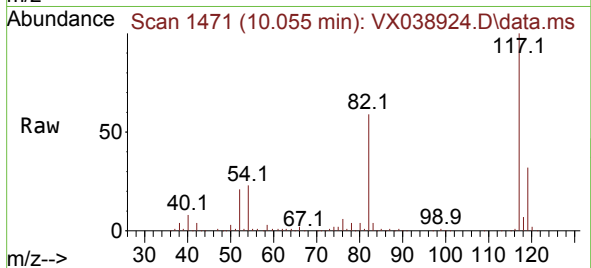
Tgt Ion: 95 Resp: 113422
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.6
176 64.5 0.0 131.0



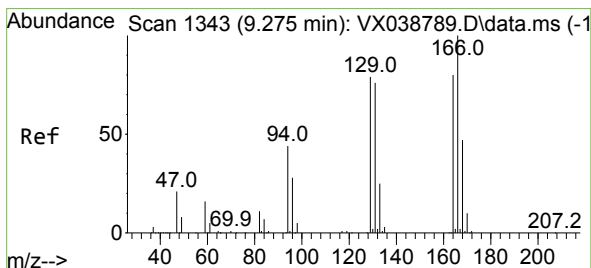
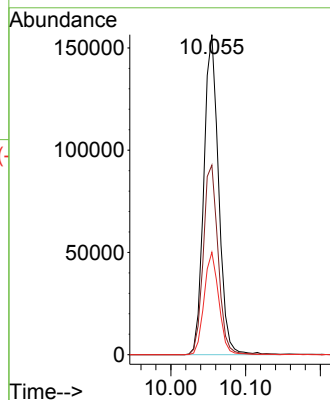
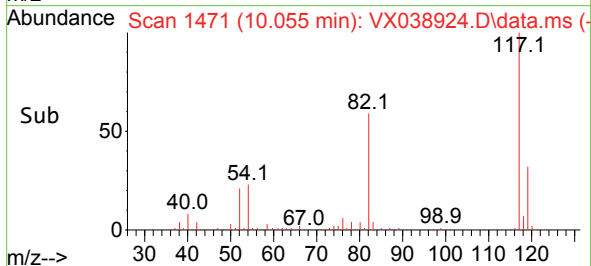


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Instrument :
MSVOA_X
ClientSampleId :

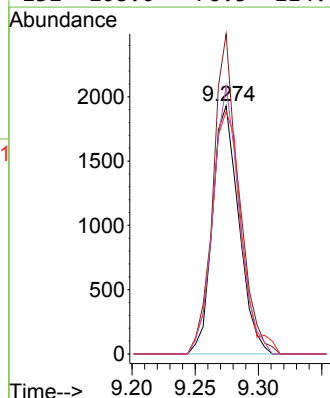
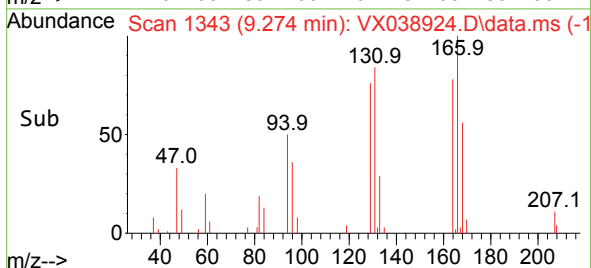
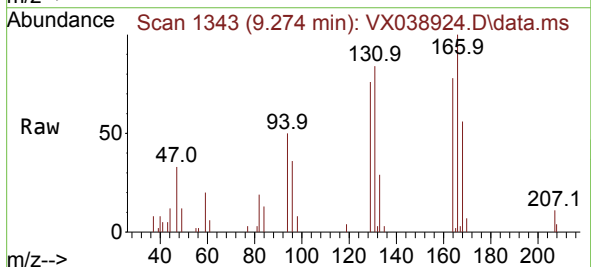


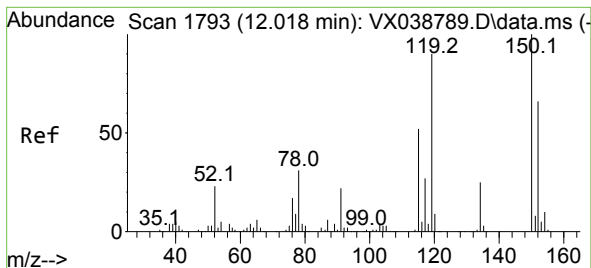
Tgt Ion:117 Resp: 214707
Ion Ratio Lower Upper
117 100
82 59.3 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 2.093 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Tgt Ion:164 Resp: 2793
Ion Ratio Lower Upper
164 100
166 129.0 102.7 154.1
129 97.8 80.4 120.6
131 108.0 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038924.D

Acq: 18 Nov 2023 13:36

Instrument :

MSVOA_X

ClientSampleId :

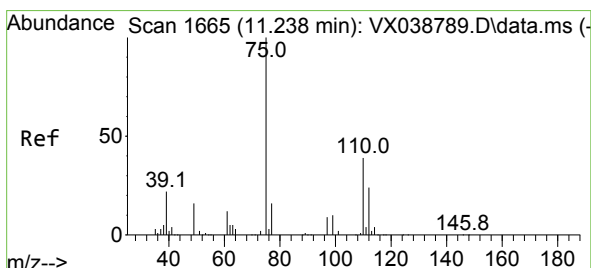
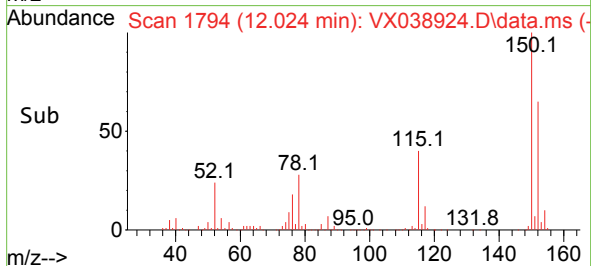
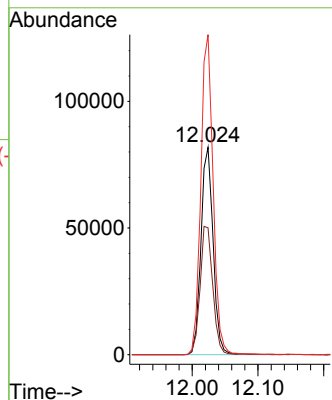
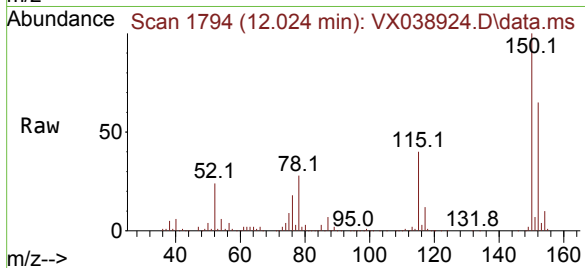
Tgt Ion:152 Resp: 105383

Ion Ratio Lower Upper

152 100

115 64.2 43.3 129.9

150 155.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.792 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038924.D

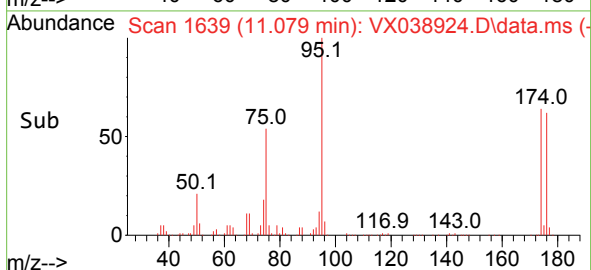
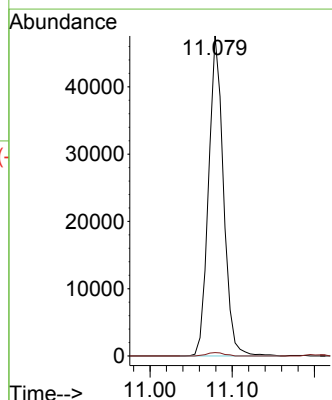
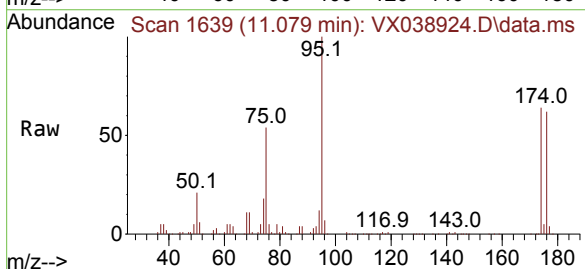
Acq: 18 Nov 2023 13:36

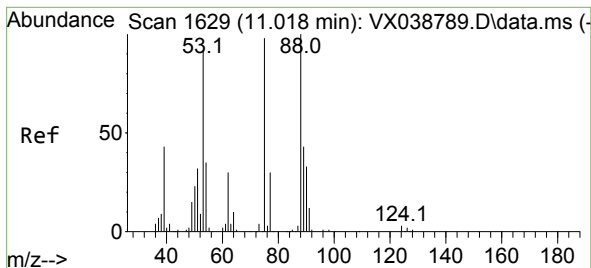
Tgt Ion: 75 Resp: 59927

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

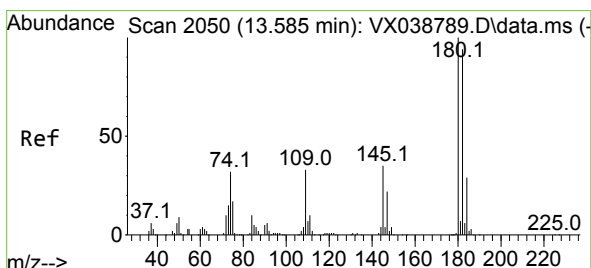
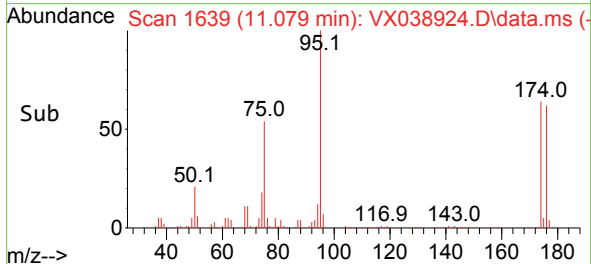
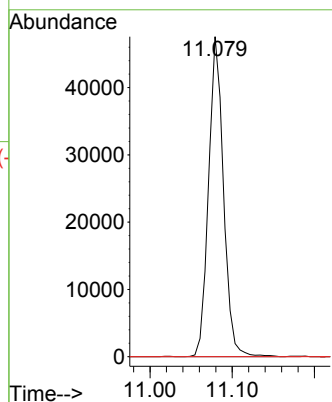
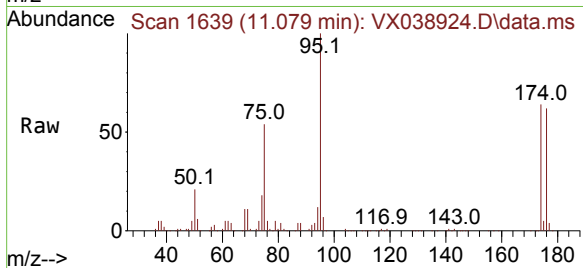




#81
trans-1,4-Dichloro-2-butene
Concen: 50.555 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 59927
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.214 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX038924.D
Acq: 18 Nov 2023 13:36

Tgt Ion:180 Resp: 491
Ion Ratio Lower Upper
180 100
182 103.1 48.3 144.8
145 3.7 18.0 54.0#

