

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101621\
 Data File : VX024838.D
 Acq On : 15 Oct 2021 19:18
 Operator : JC/MD
 Sample : M4251-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 01:44:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 14 03:51:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	137209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229857	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	207328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92650	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101719	60.316	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	120.640%#
35) Dibromofluoromethane	5.397	113	76153	55.652	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.300%
50) Toluene-d8	8.653	98	277706	54.864	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	109.720%
62) 4-Bromofluorobenzene	11.085	95	95492	47.967	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.940%

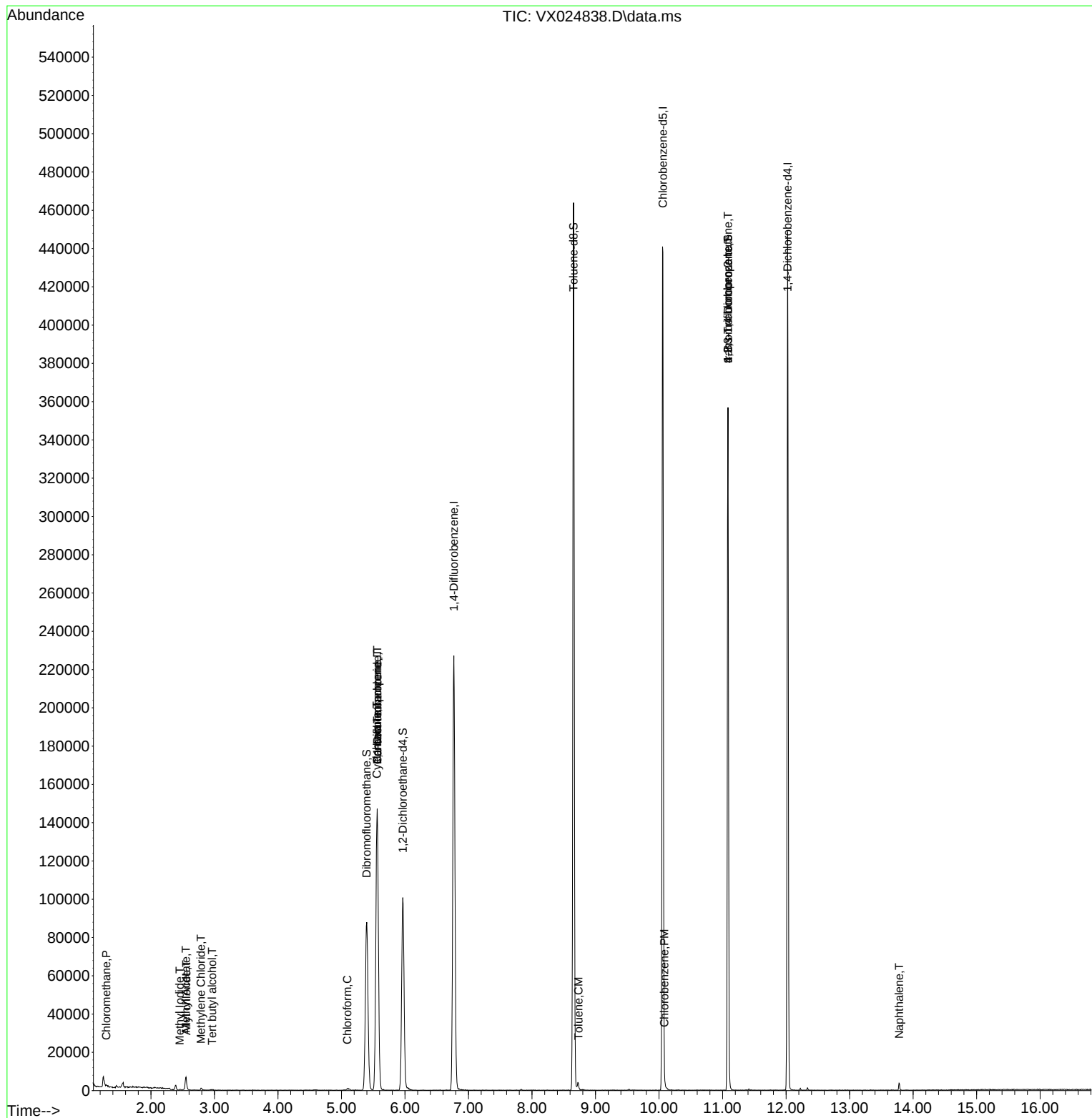
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	359	0.282	ug/l	97
5) Bromomethane	1.617	94	259	Below Cal	#	67
10) Methyl Iodide	2.453	142	268	1.074	ug/l #	89
11) Tert butyl alcohol	2.965	59	338	0.951	ug/l #	72
14) Allyl chloride	2.556	41	716	0.331	ug/l #	51
16) Acetone	2.392	43	2691	Below Cal		99
18) Methyl Acetate	2.550	43	1982	0.712	ug/l #	52
20) Methylene Chloride	2.788	84	461	0.322	ug/l #	76
30) Chloroform	5.092	83	1277	0.473	ug/l	92
31) Cyclohexane	5.556	56	3060	1.362	ug/l #	21
36) 1,1-Dichloropropene	5.562	75	11335	5.572	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14591	6.402	ug/l #	16
52) Toluene	8.732	92	1451	0.384	ug/l	87
65) Chlorobenzene	10.085	112	1172	0.289	ug/l #	82
76) 1,2,3-Trichloropropane	11.085	75	49265	25.487	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	49265	68.654	ug/l #	9
95) Naphthalene	13.780	128	2718	0.669	ug/l #	95

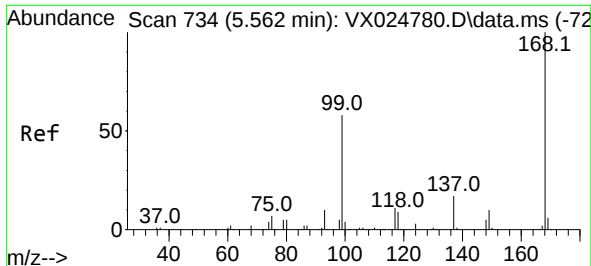
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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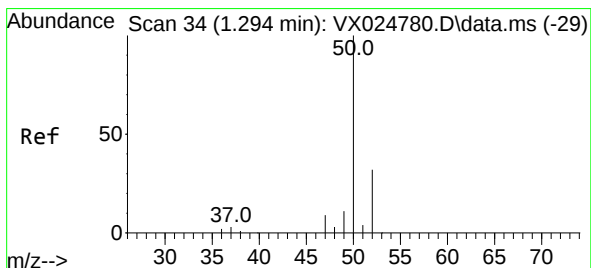
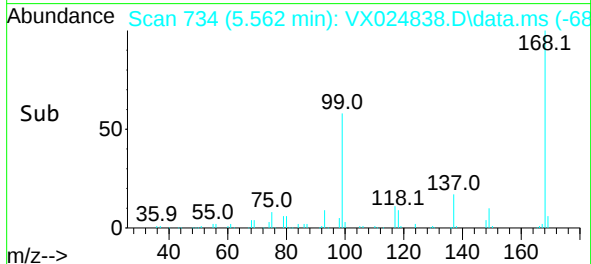
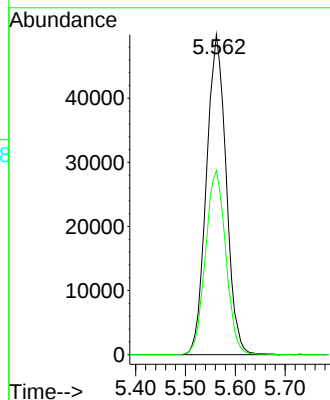
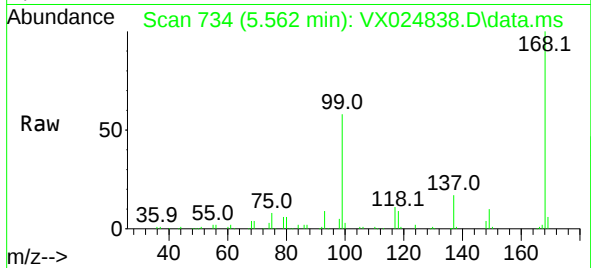




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

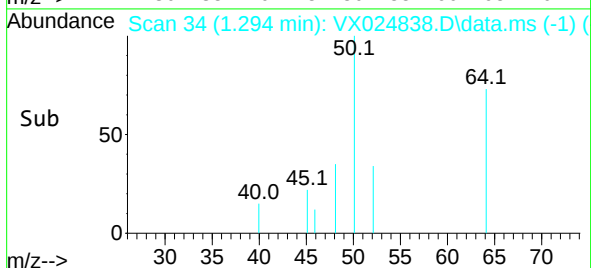
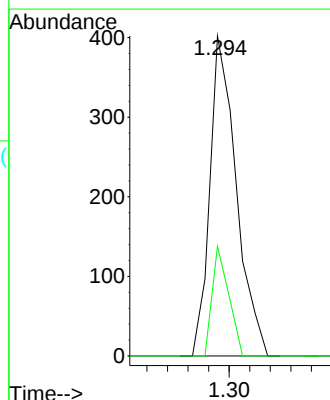
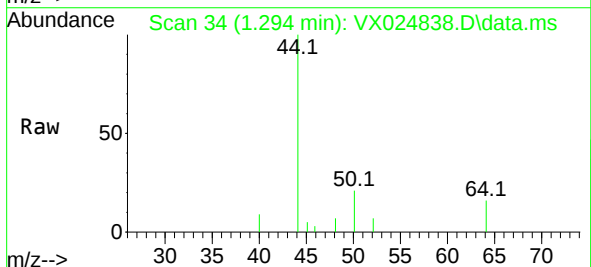
Instrument :
MSVOA_X
ClientSampleId :

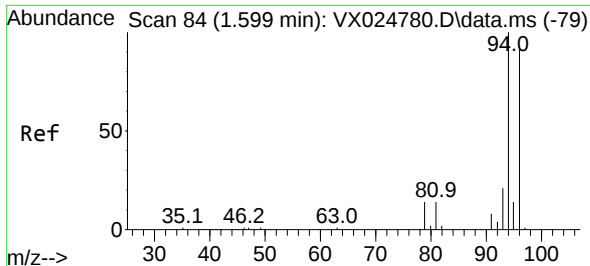
Tgt Ion:168 Resp: 137209
Ion Ratio Lower Upper
168 100
99 57.5 46.4 69.6



#3
Chloromethane
Concen: 0.282 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion: 50 Resp: 359
Ion Ratio Lower Upper
50 100
52 34.3 25.9 38.9

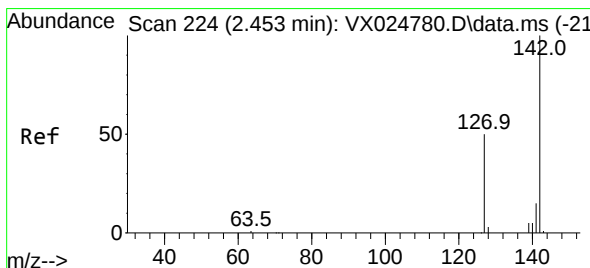
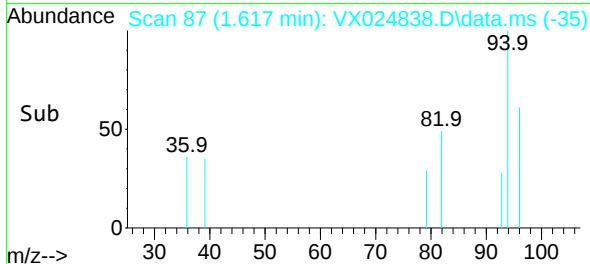
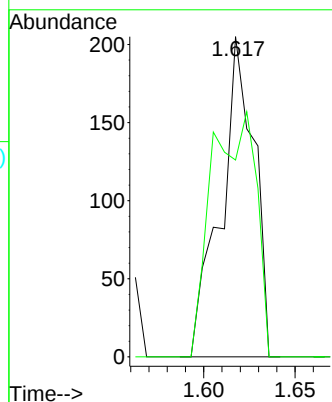
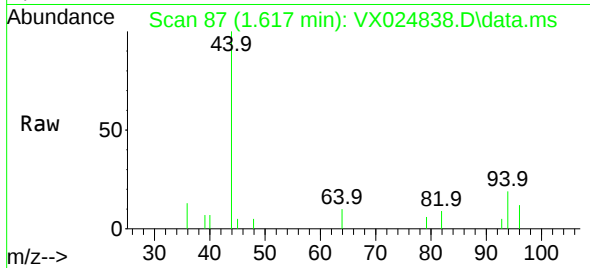




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

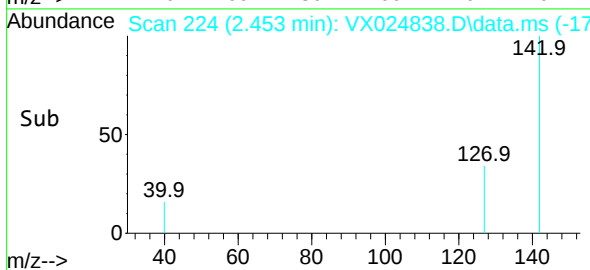
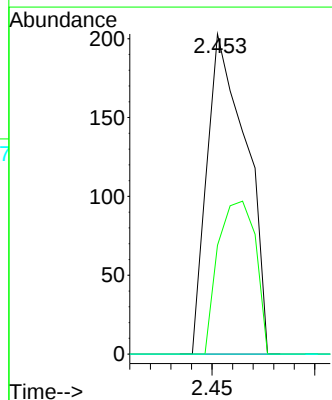
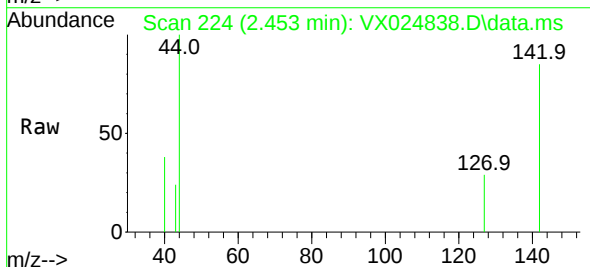
Instrument :
MSVOA_X
ClientSampled :

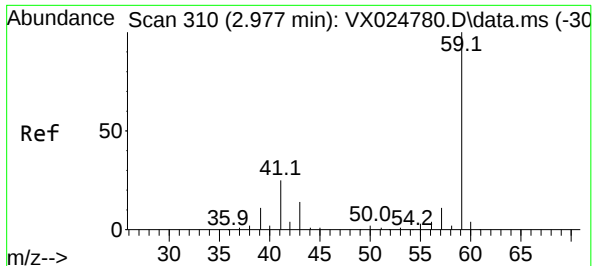
Tgt Ion: 94 Resp: 259
Ion Ratio Lower Upper
94 100
96 61.5 74.8 112.2#



#10
Methyl Iodide
Concen: 1.074 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion: 142 Resp: 268
Ion Ratio Lower Upper
142 100
127 45.9 38.9 58.3
141 0.0 11.7 17.5#

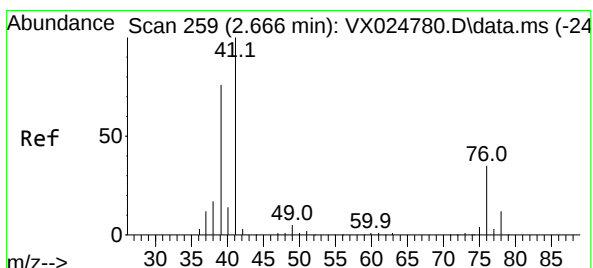
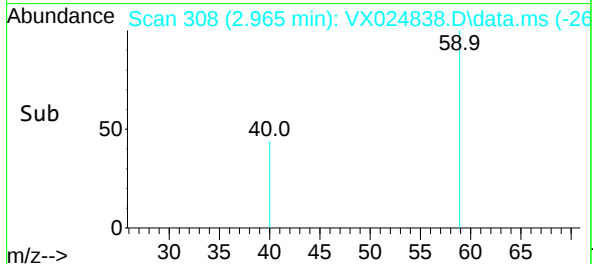
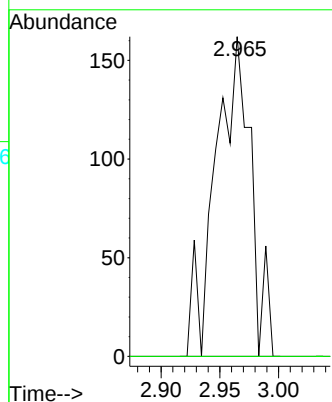
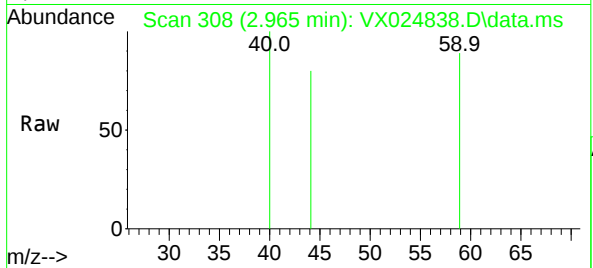




#11
Tert butyl alcohol
Concen: 0.951 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

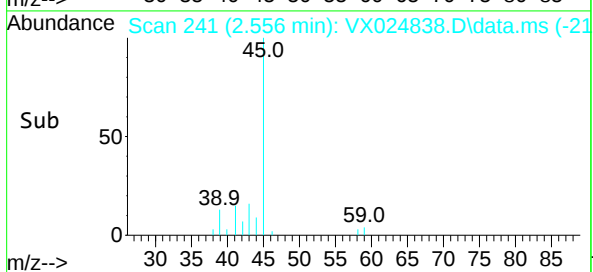
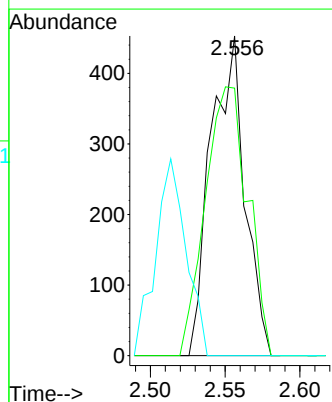
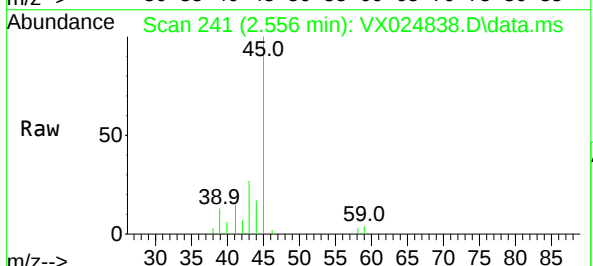
Instrument :
MSVOA_X
ClientSampled :

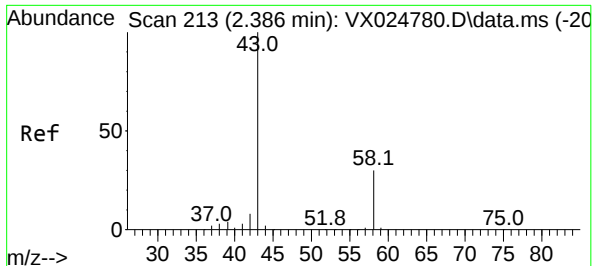
Tgt Ion: 59 Resp: 338
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 0.331 ug/l
RT: 2.556 min Scan# 241
Delta R.T. -0.110 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion: 41 Resp: 716
Ion Ratio Lower Upper
41 100
39 105.2 54.6 82.0#
76 0.0 25.3 37.9#

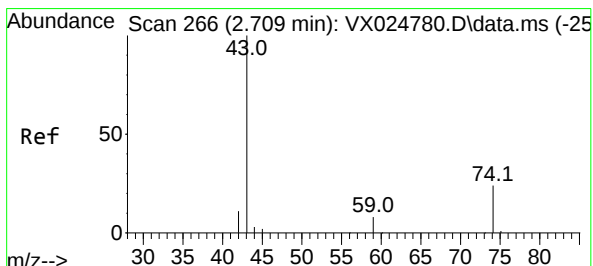
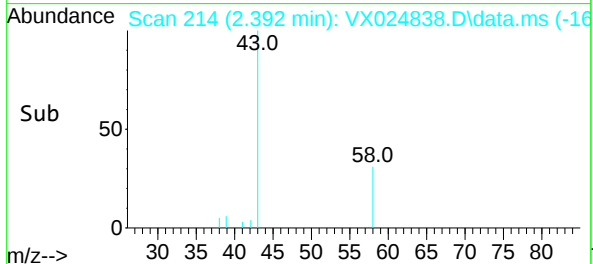
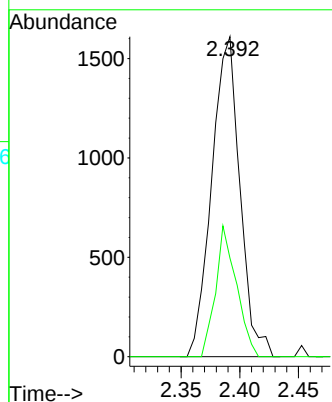
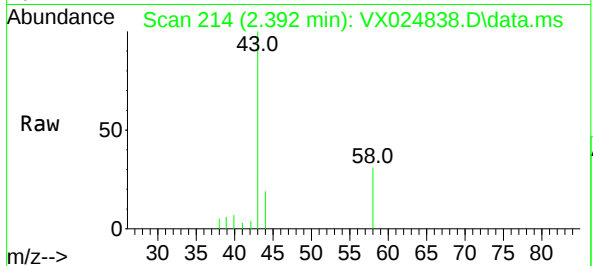




#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

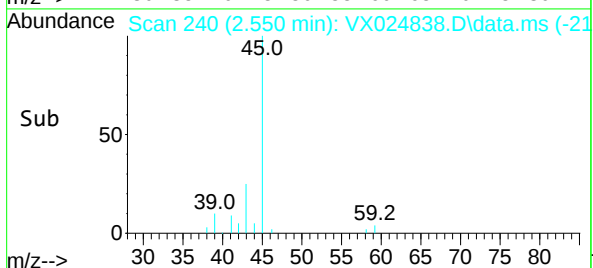
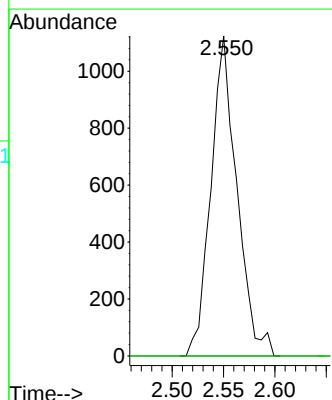
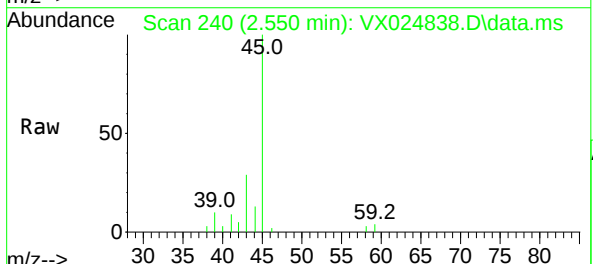
Instrument :
MSVOA_X
ClientSampled :

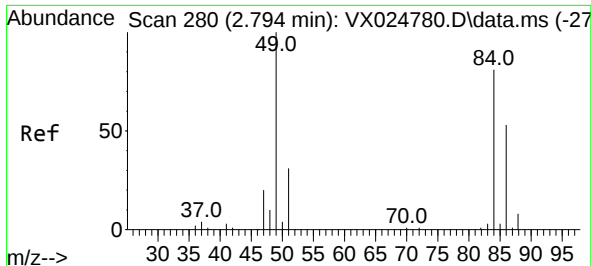
Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
58 30.8 24.0 36.0



#18
Methyl Acetate
Concen: 0.712 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.159 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion: 43 Resp: 1982
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#





#20

Methylene Chloride

Concen: 0.322 ug/l

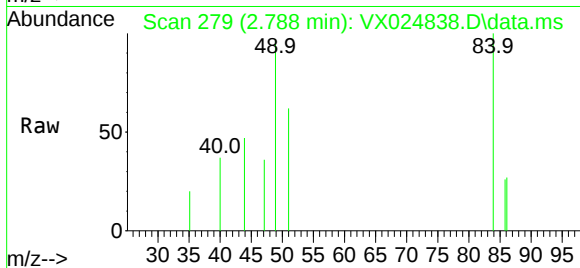
RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX024838.D

Acq: 15 Oct 2021 19:18

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 461

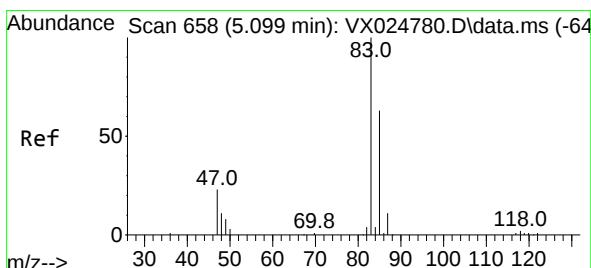
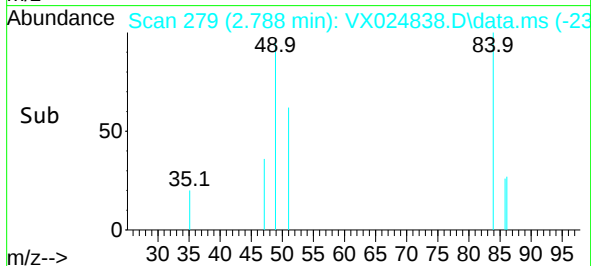
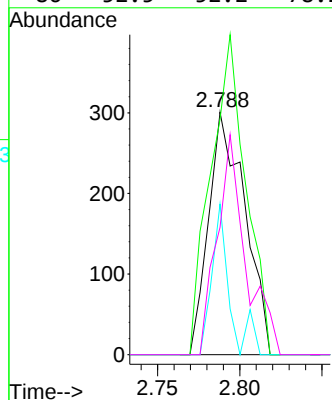
Ion Ratio Lower Upper

84 100

49 97.0 98.2 147.2#

51 62.1 30.2 45.4#

86 52.5 52.2 78.2



#30

Chloroform

Concen: 0.473 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX024838.D

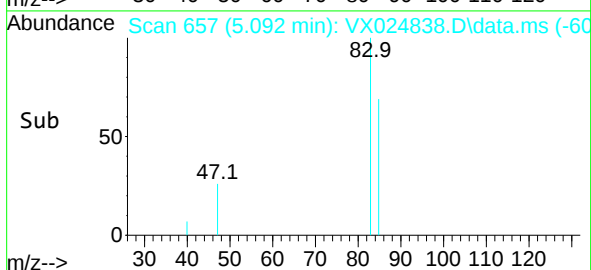
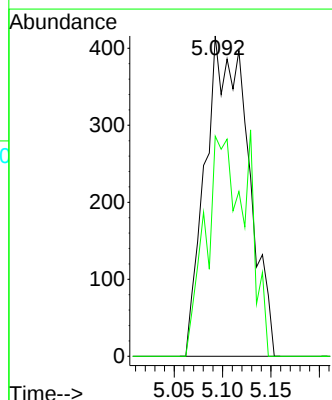
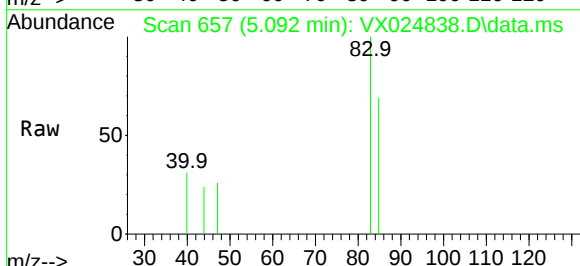
Acq: 15 Oct 2021 19:18

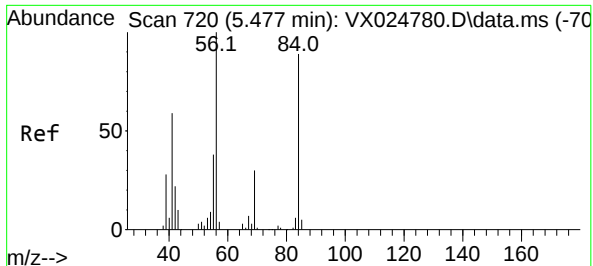
Tgt Ion: 83 Resp: 1277

Ion Ratio Lower Upper

83 100

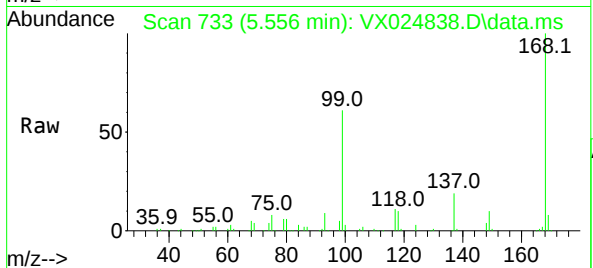
85 68.8 50.2 75.2



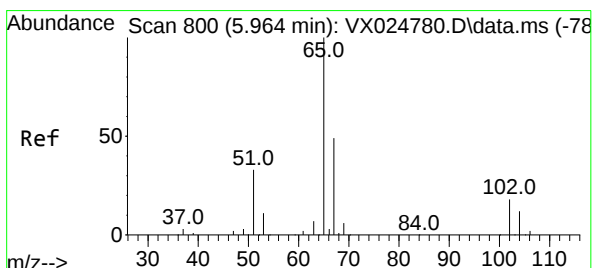
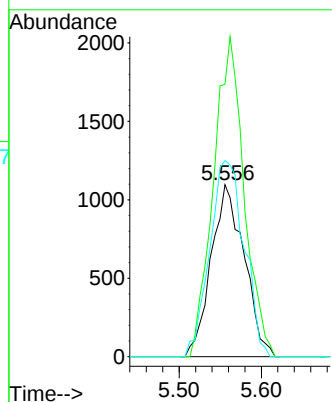
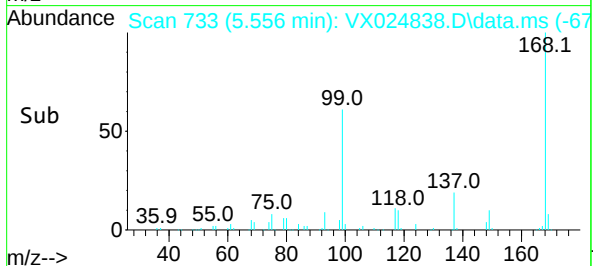


#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

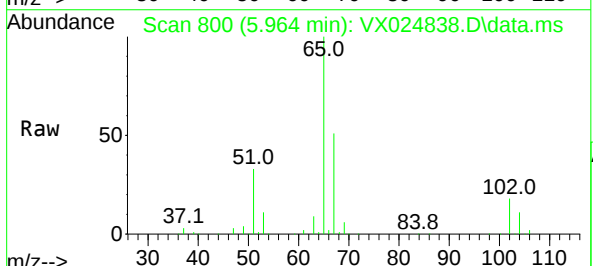
Instrument :
MSVOA_X
ClientSampled :



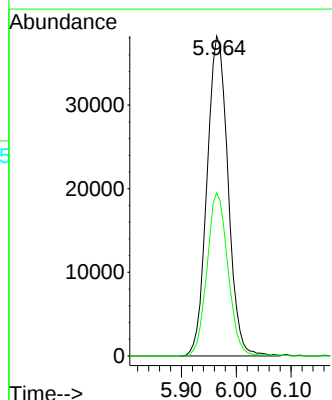
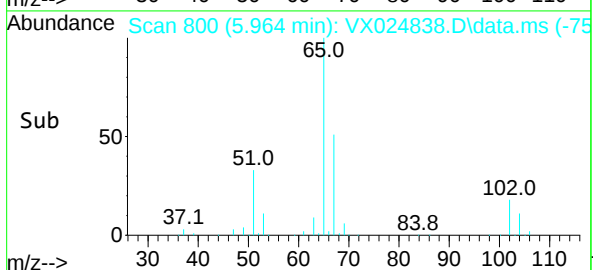
Tgt Ion: 56 Resp: 3060
Ion Ratio Lower Upper
56 100
69 158.3 24.2 36.2#
84 114.0 71.5 107.3#

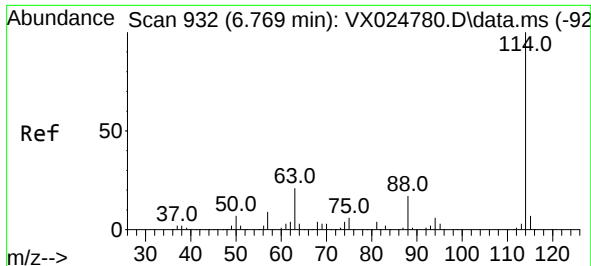


#33
1,2-Dichloroethane-d4
Concen: 60.316 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18



Tgt Ion: 65 Resp: 101719
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.0

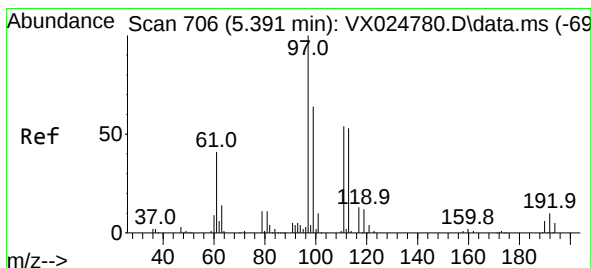
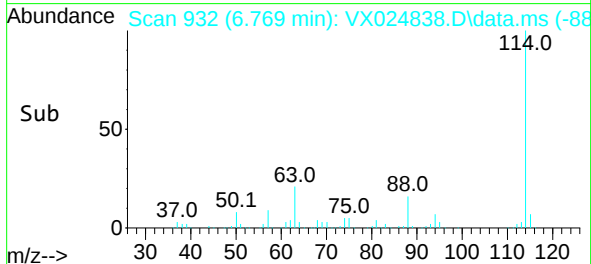
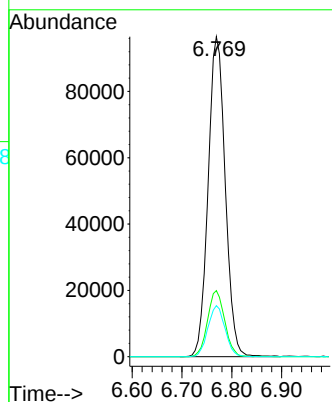
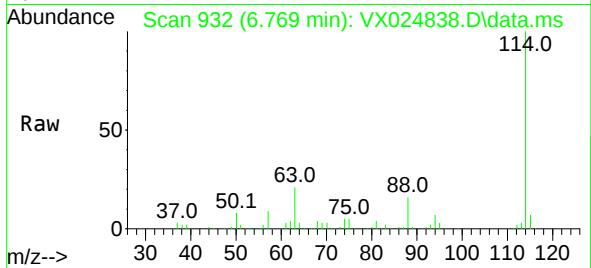




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

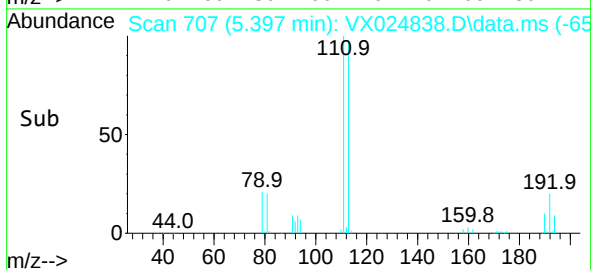
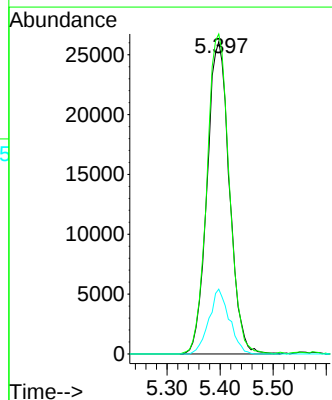
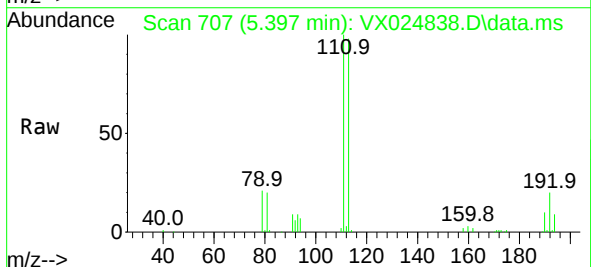
Instrument :
MSVOA_X
ClientSampled :

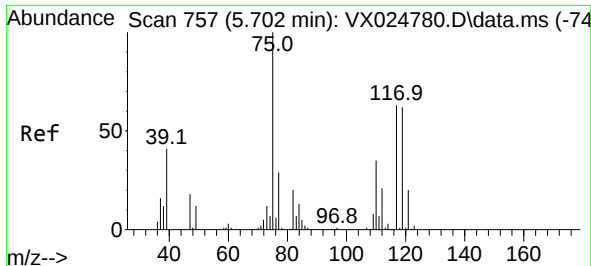
Tgt Ion:114 Resp: 229857
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.0
88 16.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 55.652 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion:113 Resp: 76153
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 19.0 15.6 23.4

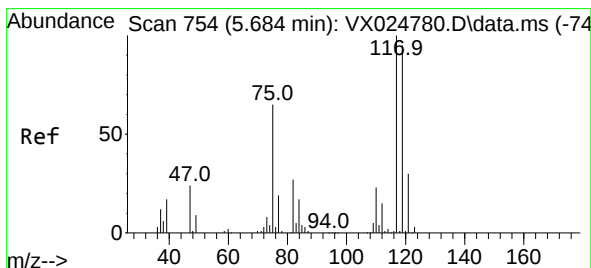
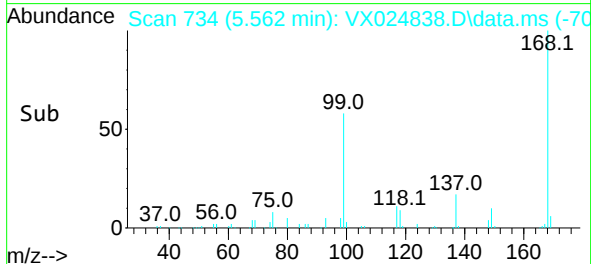
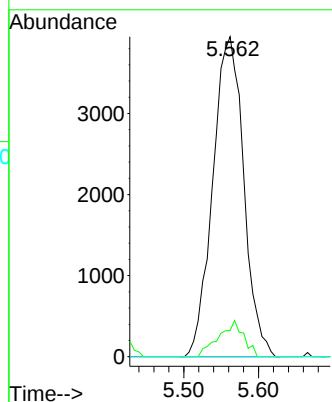
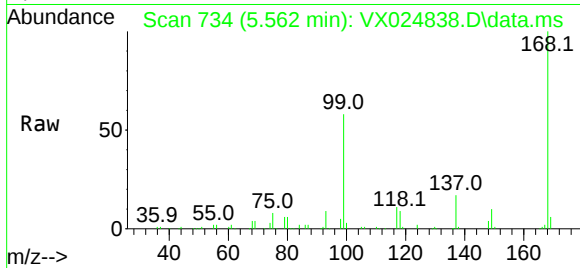




#36
1,1-Dichloropropene
Concen: 5.572 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

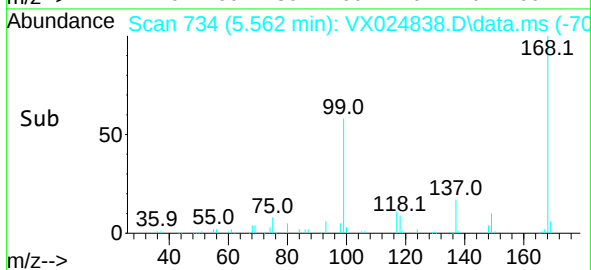
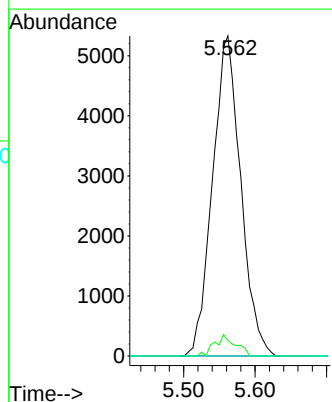
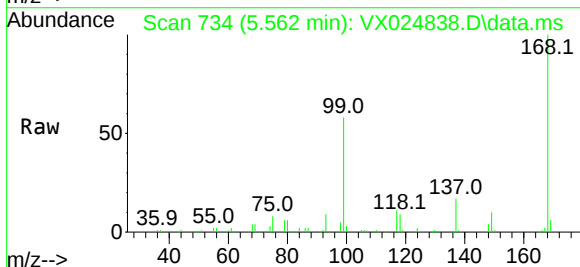
Instrument :
MSVOA_X
ClientSampled :

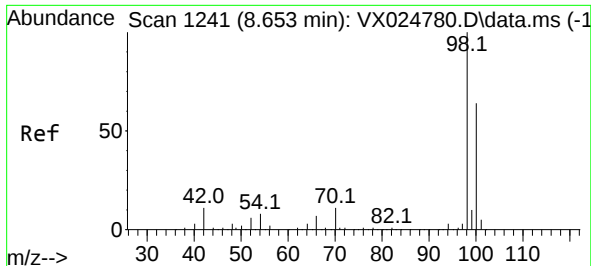
Tgt Ion: 75 Resp: 11335
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.402 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion: 117 Resp: 14591
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 23.7 35.5#

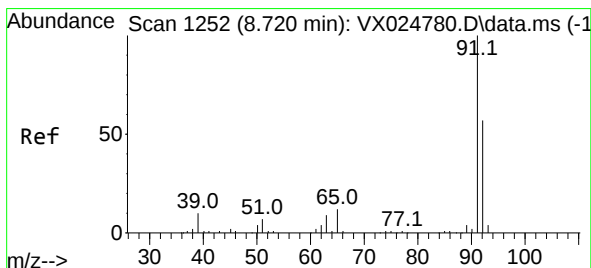
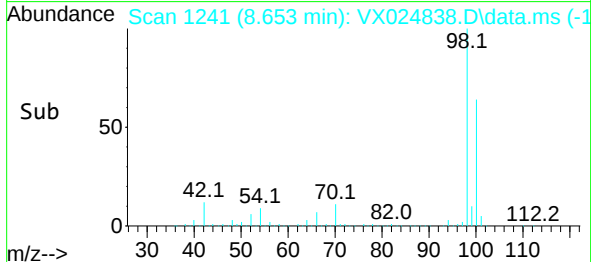
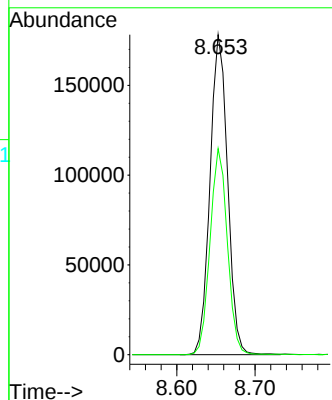
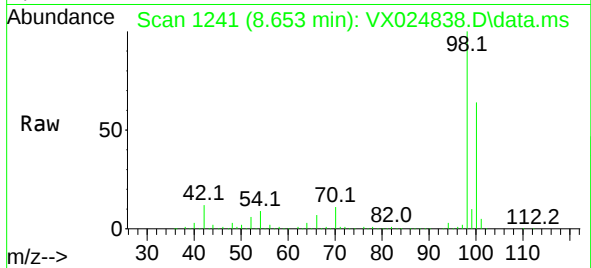




#50
Toluene-d8
Concen: 54.864 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

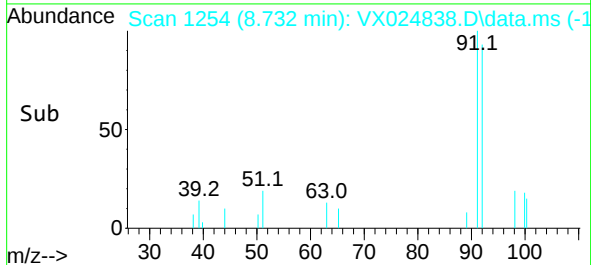
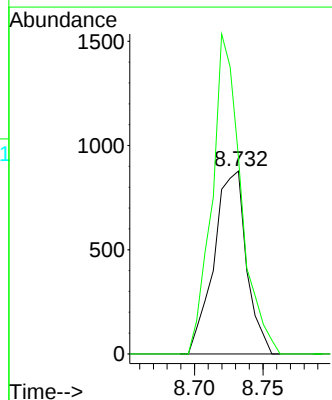
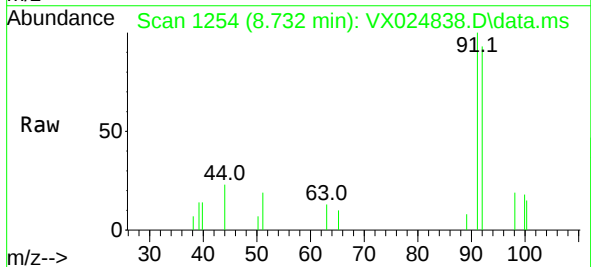
Instrument :
MSVOA_X
ClientSampleId :

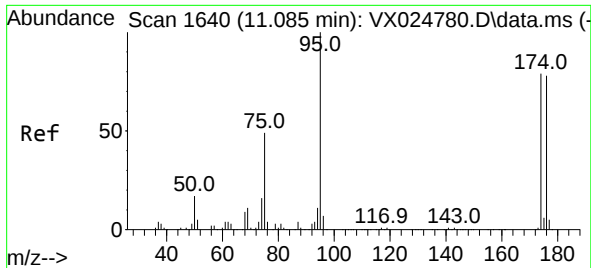
Tgt Ion: 98 Resp: 277706
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#52
Toluene
Concen: 0.384 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. 0.012 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion: 92 Resp: 1451
Ion Ratio Lower Upper
92 100
91 155.2 138.6 208.0

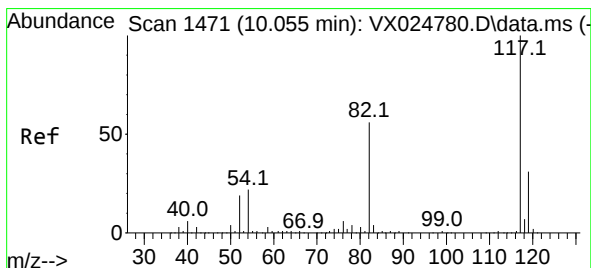
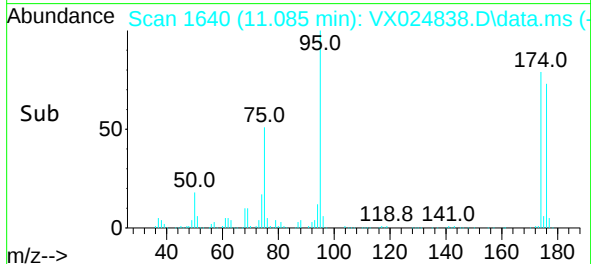
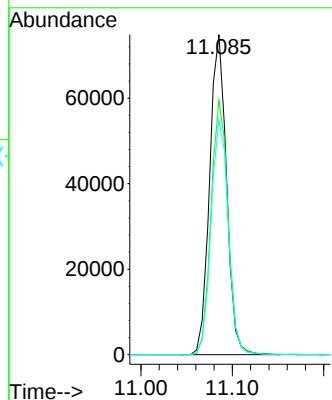
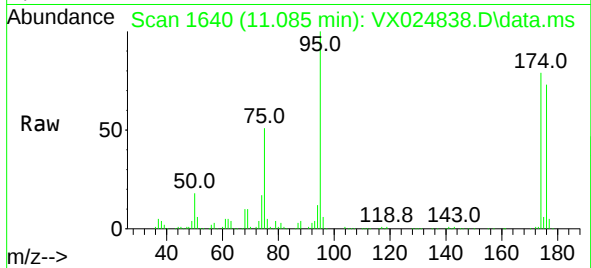




#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

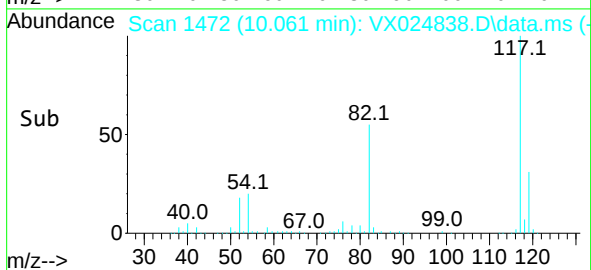
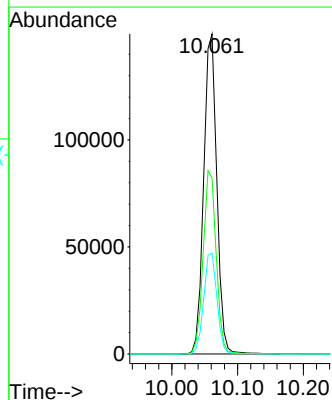
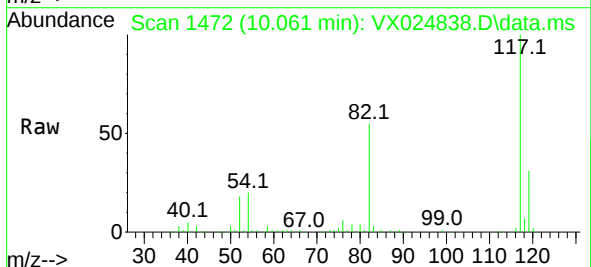
Instrument :
MSVOA_X
ClientSampleId :

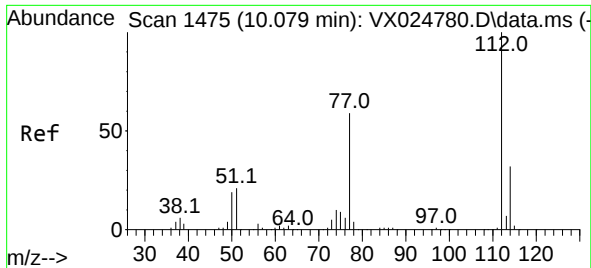
Tgt Ion: 95 Resp: 95492
Ion Ratio Lower Upper
95 100
174 80.7 0.0 158.0
176 75.0 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion: 117 Resp: 207328
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 31.5 24.8 37.2

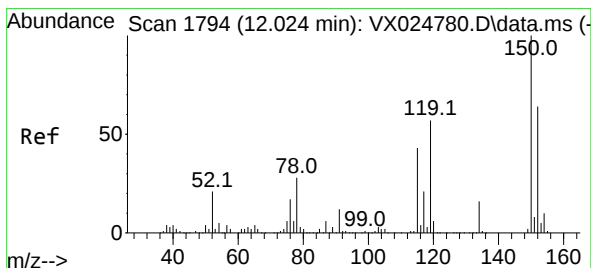
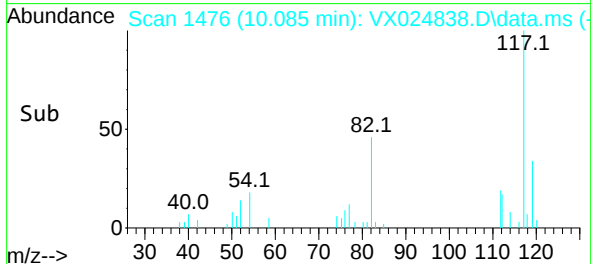
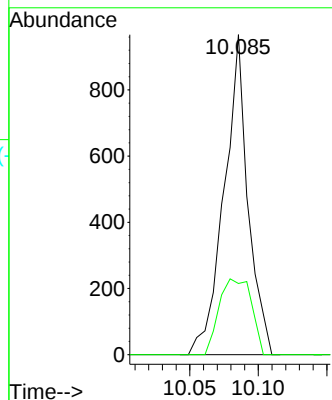
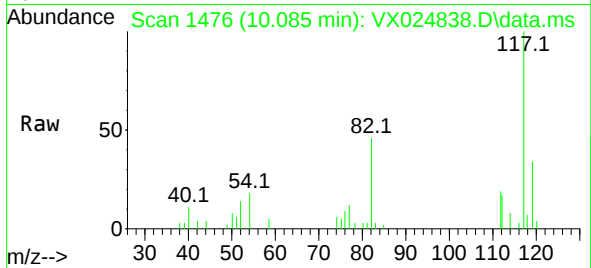




#65
Chlorobenzene
Concen: 0.289 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

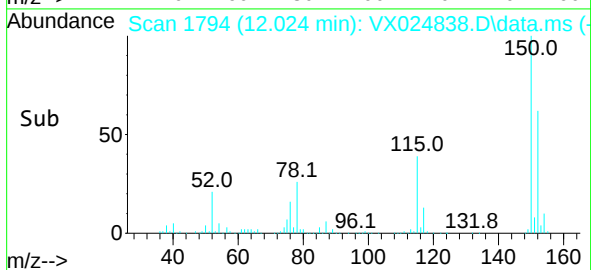
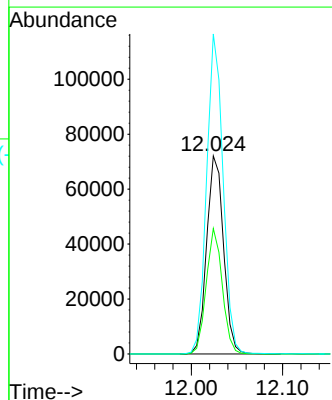
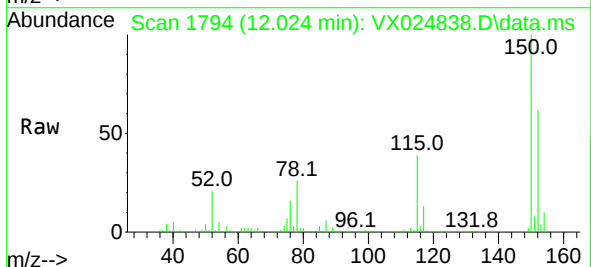
Instrument :
MSVOA_X
ClientSampled :

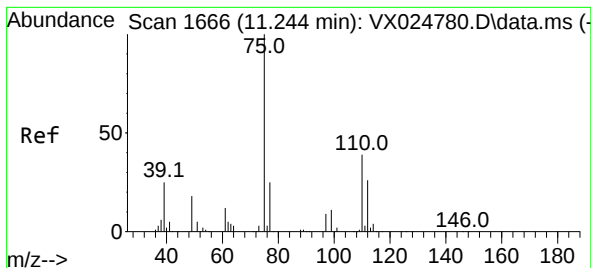
Tgt Ion:112 Resp: 1172
Ion Ratio Lower Upper
112 100
114 22.2 25.8 38.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Tgt Ion:152 Resp: 92650
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.8
150 157.3 0.0 351.2

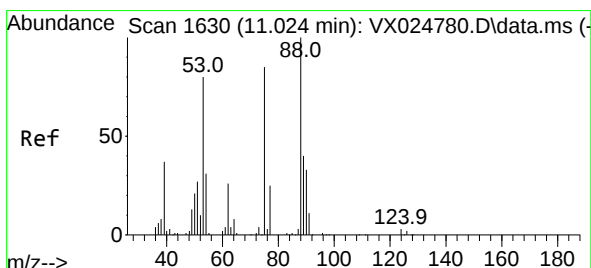
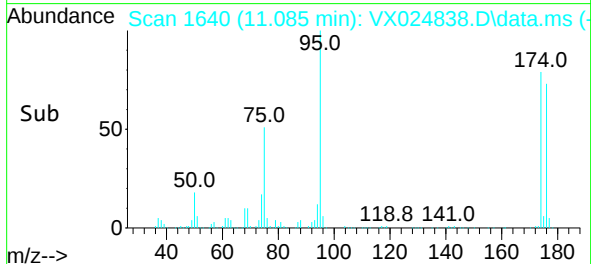
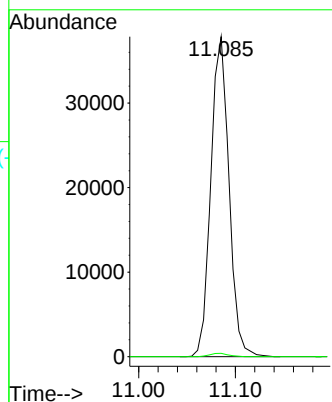
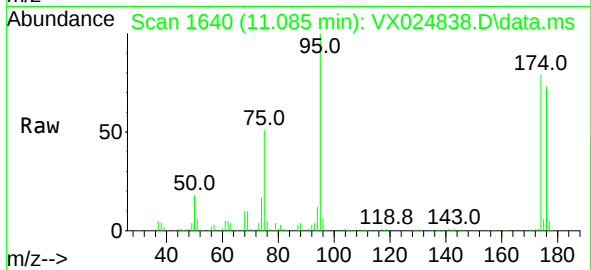




#76
1,2,3-Trichloropropane
Concen: 25.487 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

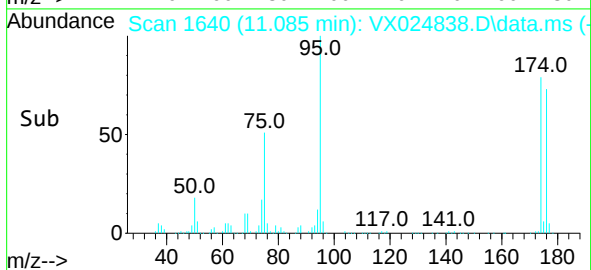
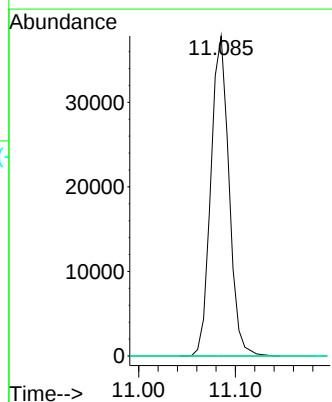
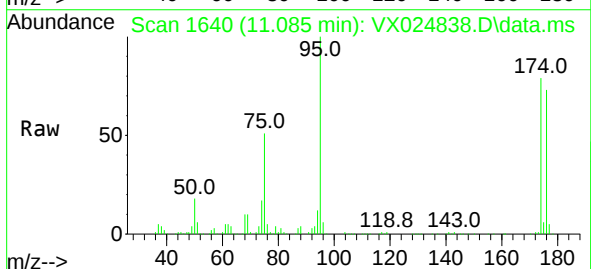
Instrument :
MSVOA_X
ClientSampled :

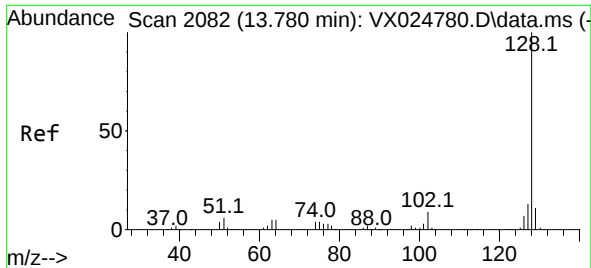
Tgt Ion: 75 Resp: 49265
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.654 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

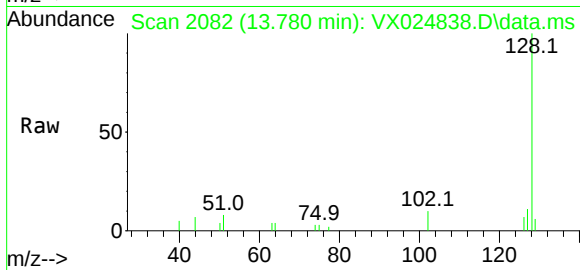
Tgt Ion: 75 Resp: 49265
Ion Ratio Lower Upper
75 100
53 0.1 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: 0.669 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024838.D
Acq: 15 Oct 2021 19:18

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2718
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 7.1 8.8 13.2#

