

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101621\
 Data File : VX024839.D
 Acq On : 15 Oct 2021 19:42
 Operator : JC/MD
 Sample : M4251-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 01:45:02 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)

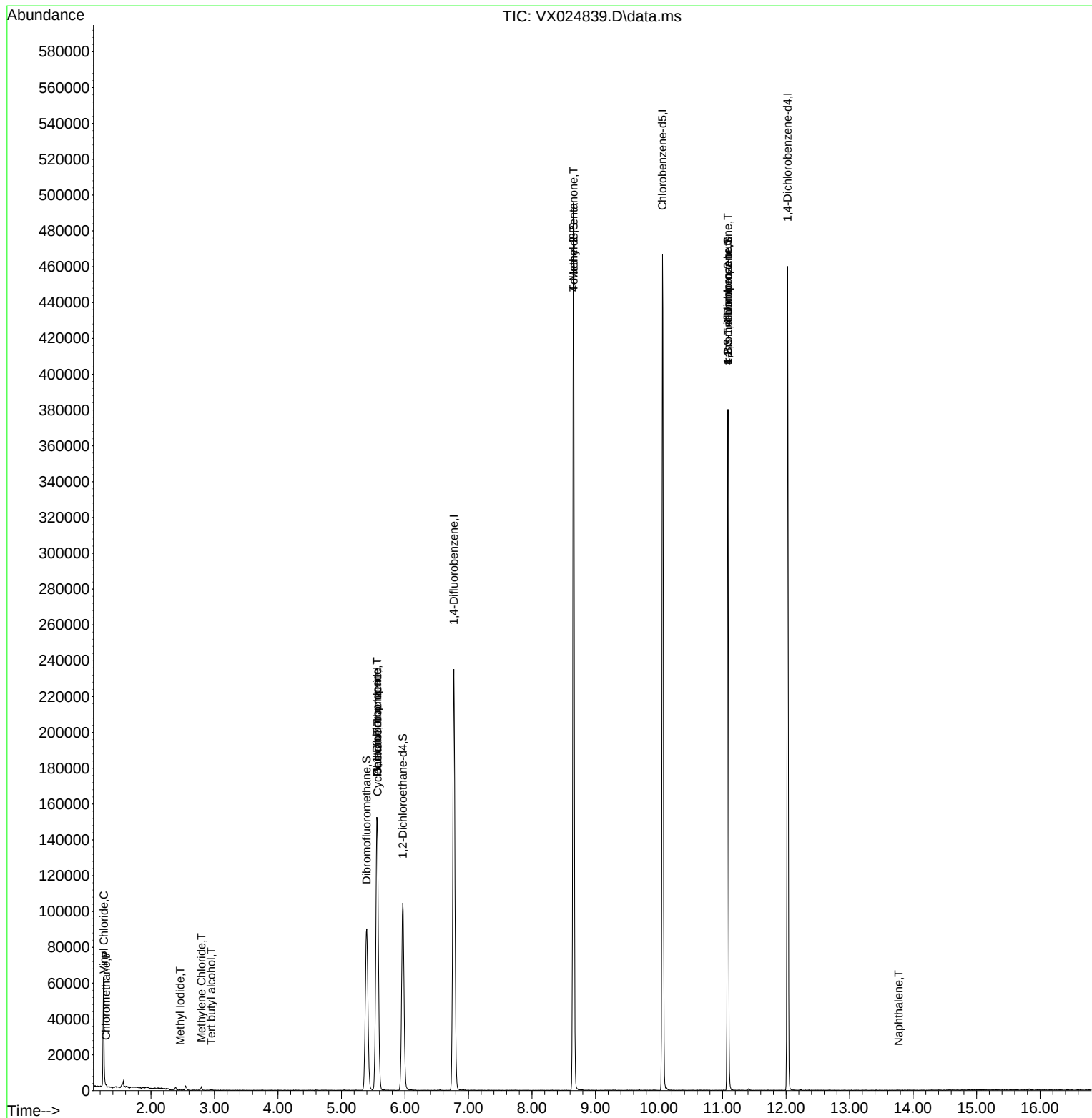
Internal Standards						
1) Pentafluorobenzene	5.562	168	143621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105334	59.671	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	119.340%#
35) Dibromofluoromethane	5.397	113	78953	56.010	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.020%
50) Toluene-d8	8.653	98	282360	54.152	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.300%
62) 4-Bromofluorobenzene	11.085	95	97793	47.686	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.380%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	325	0.244	ug/l	89
4) Vinyl Chloride	1.258	62	401	0.291	ug/l #	1
5) Bromomethane	1.618	94	337	Below Cal		85
10) Methyl Iodide	2.459	142	282	1.074	ug/l #	63
11) Tert butyl alcohol	2.947	59	204	0.548	ug/l #	72
16) Acetone	2.386	43	1468	Below Cal		95
20) Methylene Chloride	2.794	84	683	0.456	ug/l #	74
31) Cyclohexane	5.568	56	2859	1.216	ug/l #	5
36) 1,1-Dichloropropene	5.556	75	11266	5.376	ug/l #	51
38) Carbon Tetrachloride	5.562	117	14781	6.295	ug/l #	18
51) 4-Methyl-2-Pentanone	8.653	43	1267	0.511	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	50766	25.689	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	50766	69.192	ug/l #	9
95) Naphthalene	13.774	128	102	0.270	ug/l #	69

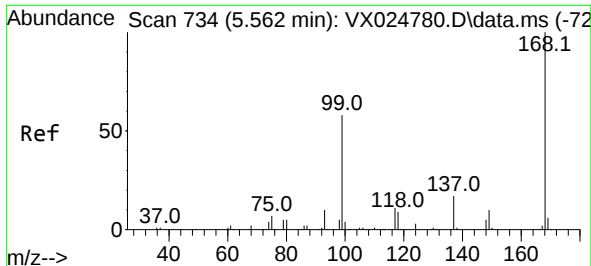
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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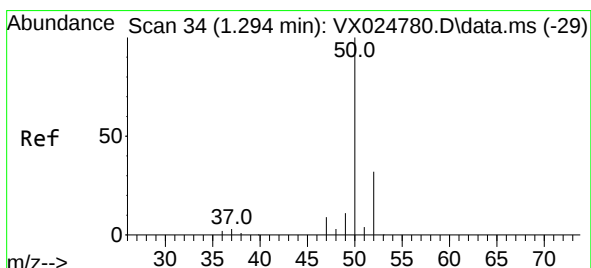
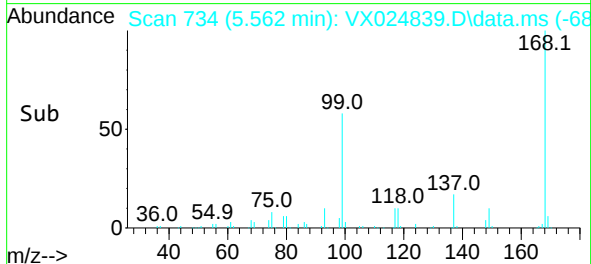
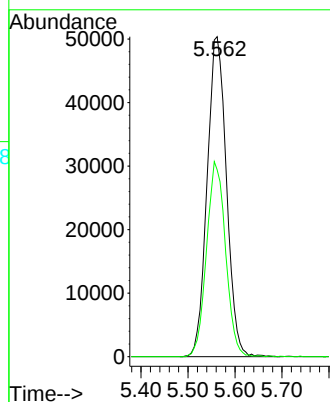
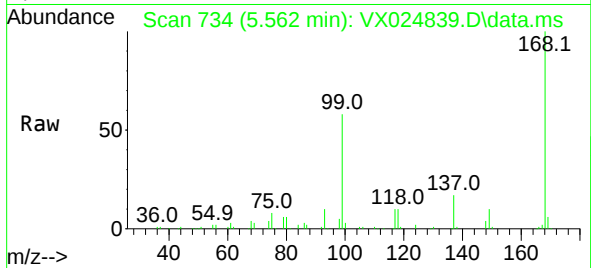




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

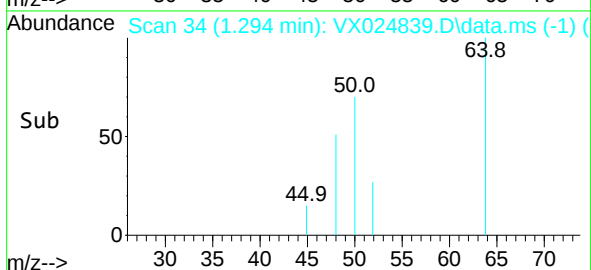
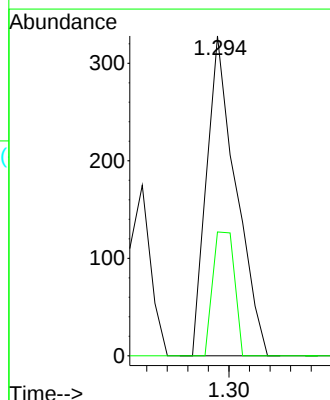
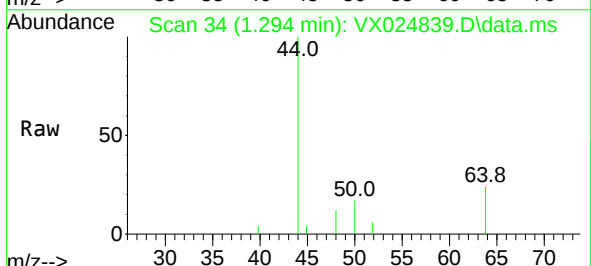
Instrument :
MSVOA_X
ClientSampled :

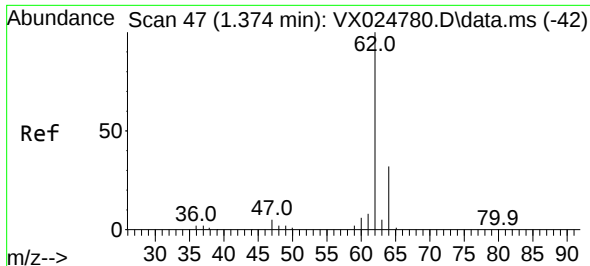
Tgt Ion:168 Resp: 143621
Ion Ratio Lower Upper
168 100
99 58.4 46.4 69.6



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion: 50 Resp: 325
Ion Ratio Lower Upper
50 100
52 38.7 25.9 38.9

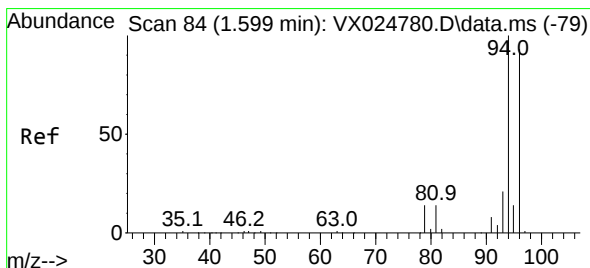
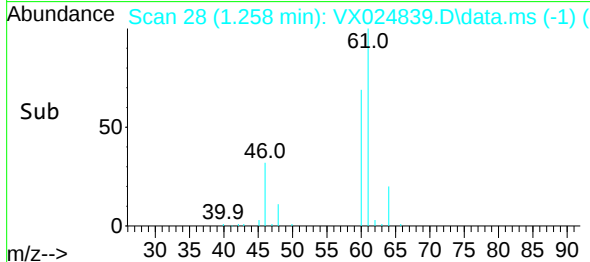
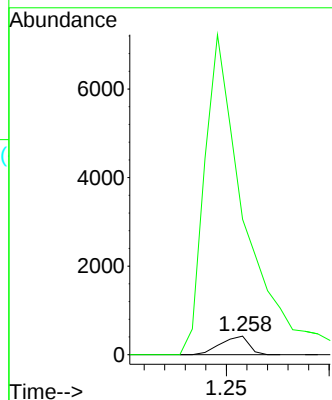
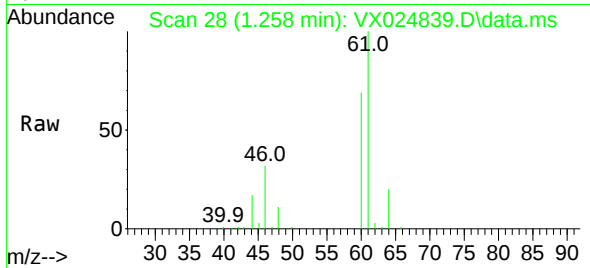




#4
 Vinyl Chloride
 Concen: 0.291 ug/l
 RT: 1.258 min Scan# 28
 Delta R.T. -0.116 min
 Lab File: VX024839.D
 Acq: 15 Oct 2021 19:42

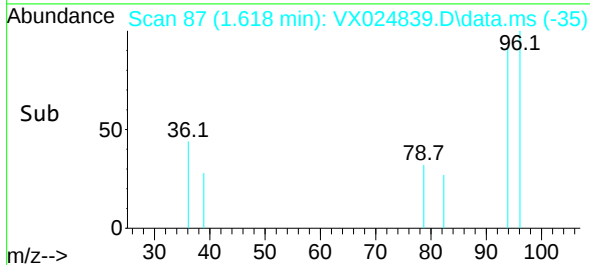
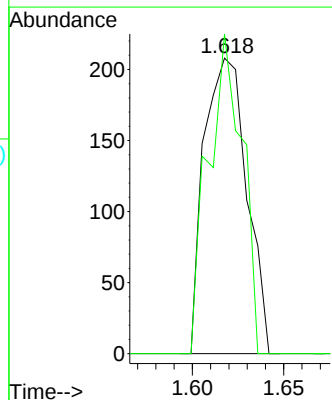
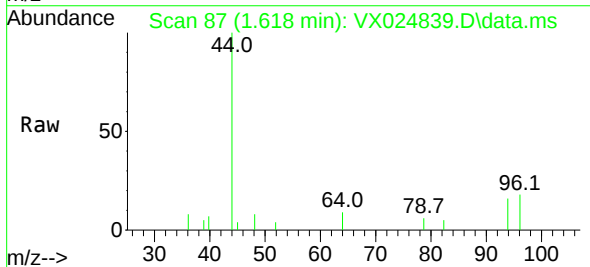
Instrument :
 MSVOA_X
 ClientSampled :

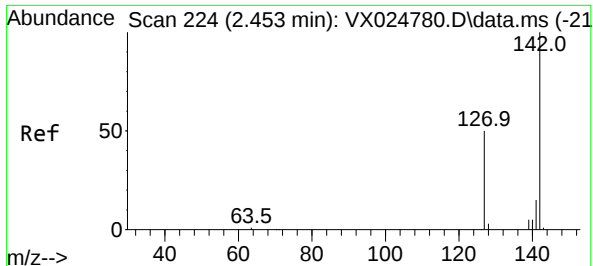
Tgt Ion: 62 Resp: 401
 Ion Ratio Lower Upper
 62 100
 64 730.1 26.0 39.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX024839.D
 Acq: 15 Oct 2021 19:42

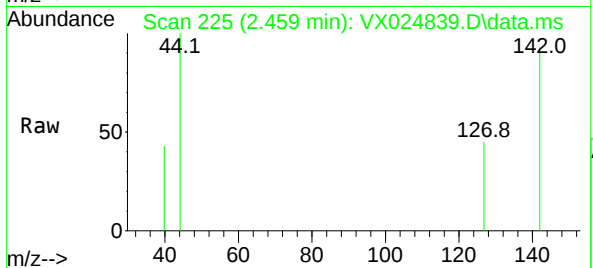
Tgt Ion: 94 Resp: 337
 Ion Ratio Lower Upper
 94 100
 96 108.2 74.8 112.2



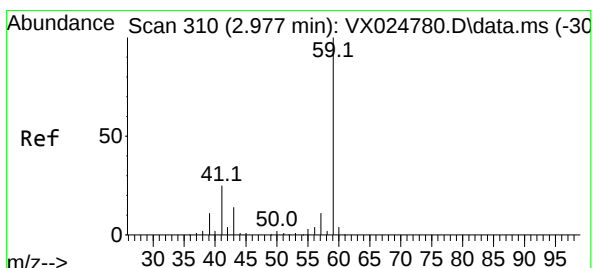
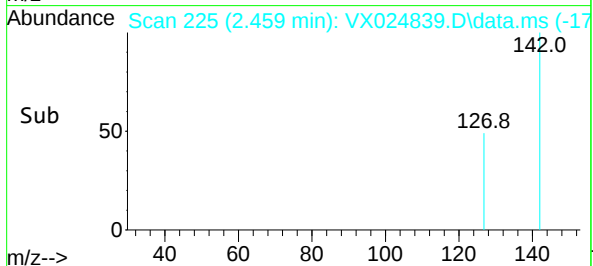
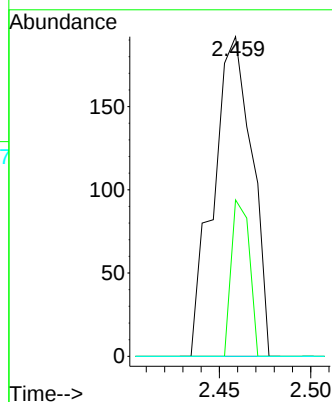


#10
Methyl Iodide
Concen: 1.074 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Instrument :
MSVOA_X
ClientSampled :

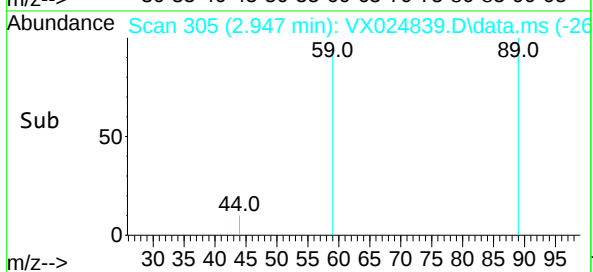
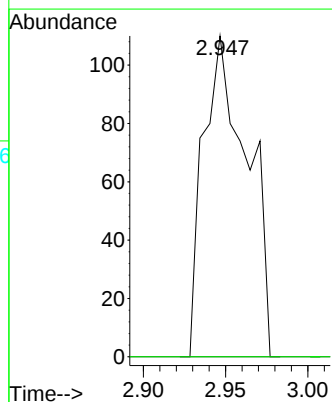
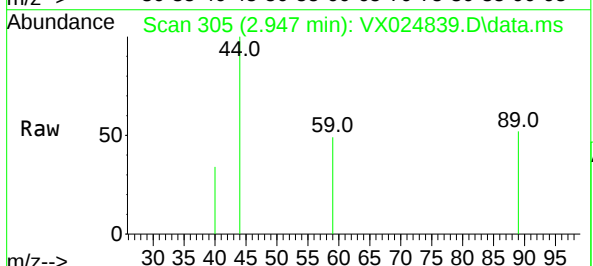


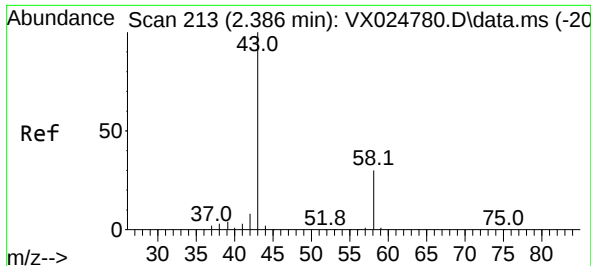
Tgt Ion:142 Resp: 282
Ion Ratio Lower Upper
142 100
127 23.0 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.548 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

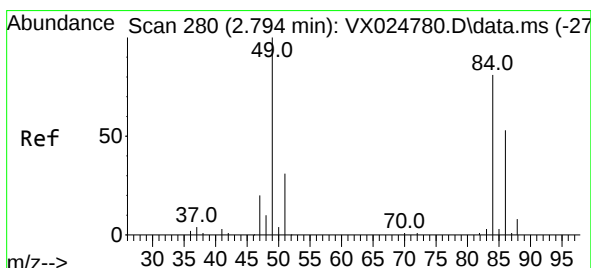
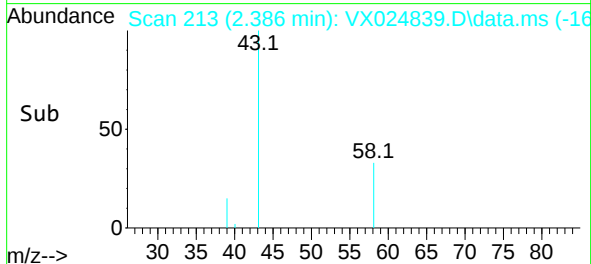
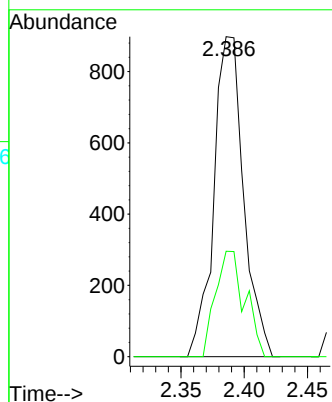
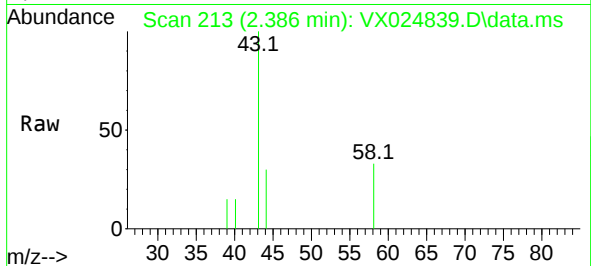




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

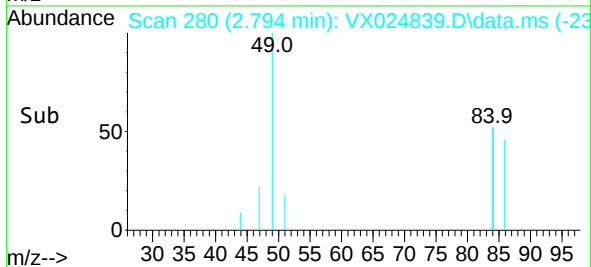
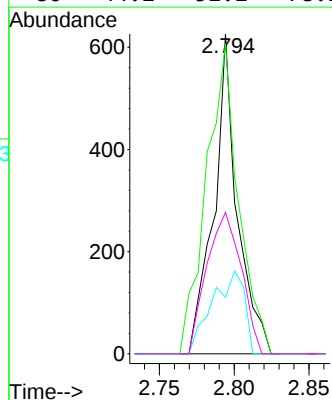
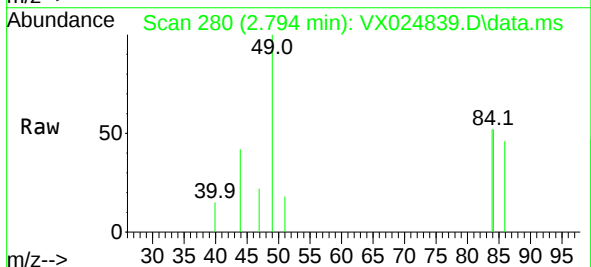
Instrument :
MSVOA_X
ClientSampled :

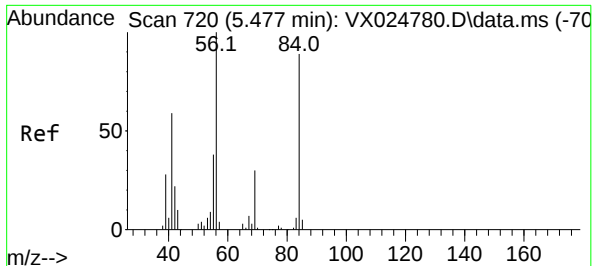
Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
58 33.0 24.0 36.0



#20
Methylene Chloride
Concen: 0.456 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion: 84 Resp: 683
Ion Ratio Lower Upper
84 100
49 97.0 98.2 147.2#
51 17.7 30.2 45.4#
86 44.2 52.2 78.2#

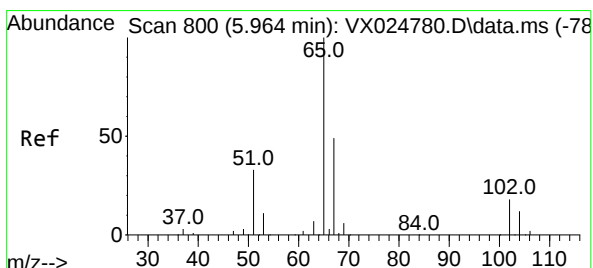
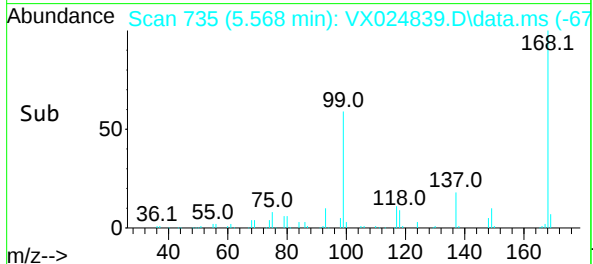
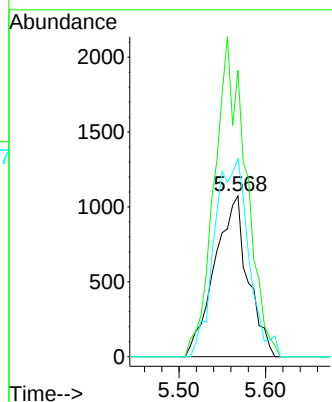
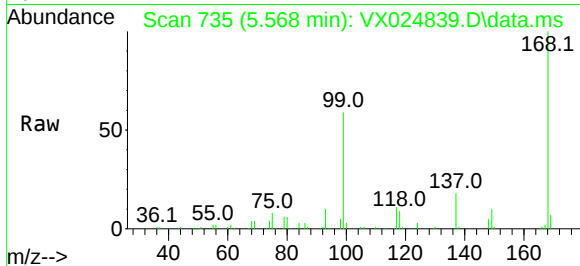




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

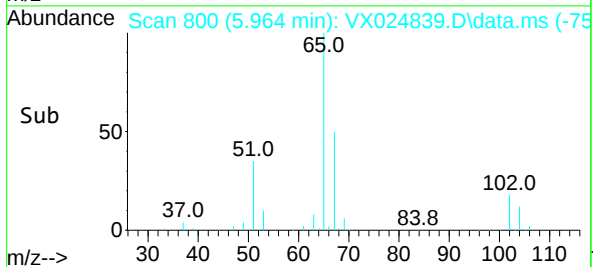
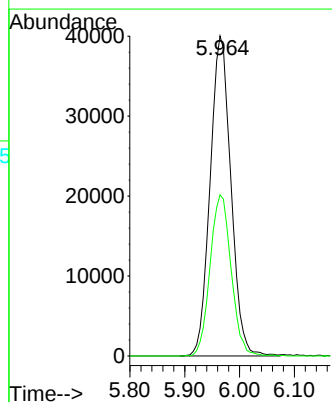
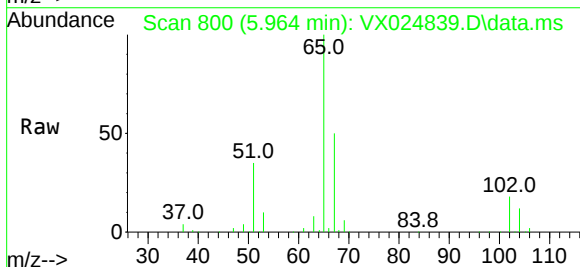
Instrument :
MSVOA_X
ClientSampleId :

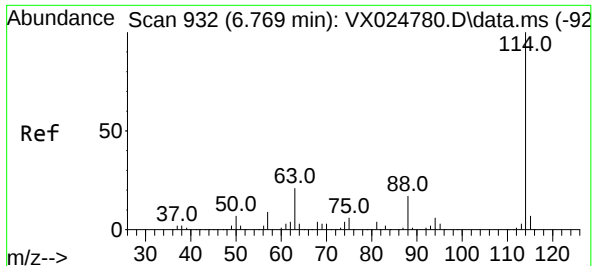
Tgt Ion: 56 Resp: 2859
Ion Ratio Lower Upper
56 100
69 178.1 24.2 36.2#
84 123.0 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 59.671 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion: 65 Resp: 105334
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.0

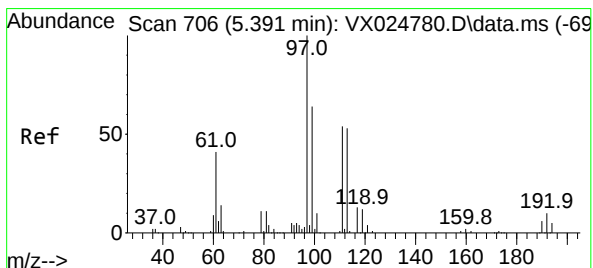
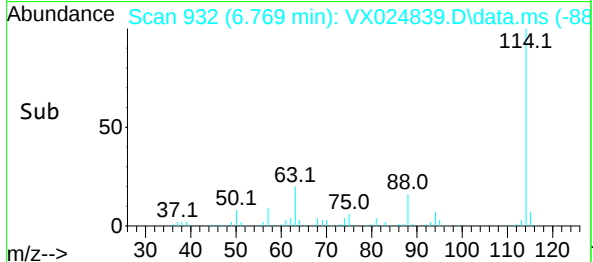
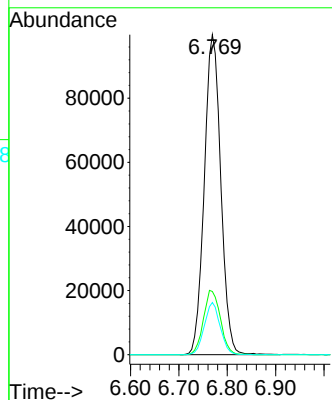
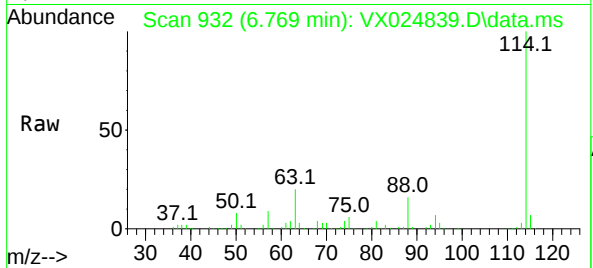




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

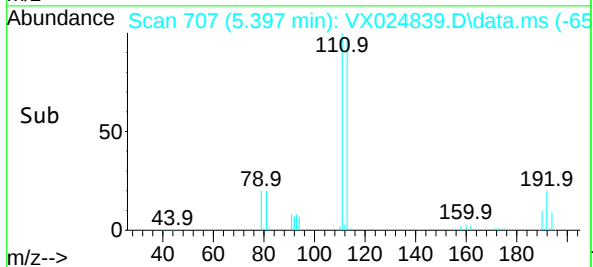
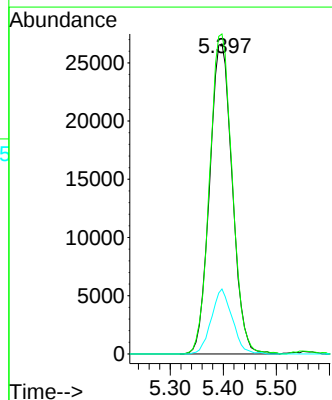
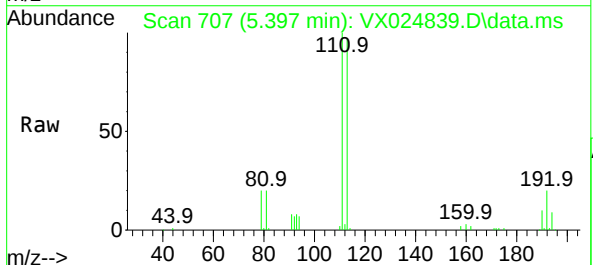
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MSVOA_X
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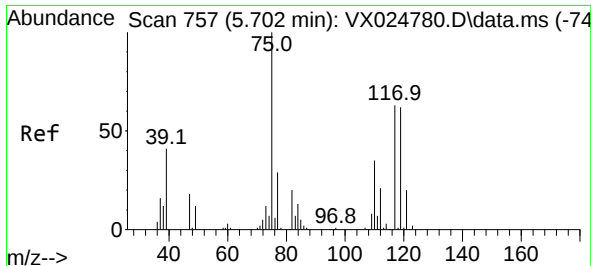
Tgt Ion:114 Resp: 236785
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.0
88 16.3 0.0 34.8



#35
Dibromofluoromethane
Concen: 56.010 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion:113 Resp: 78953
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 19.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.376 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX024839.D

Acq: 15 Oct 2021 19:42

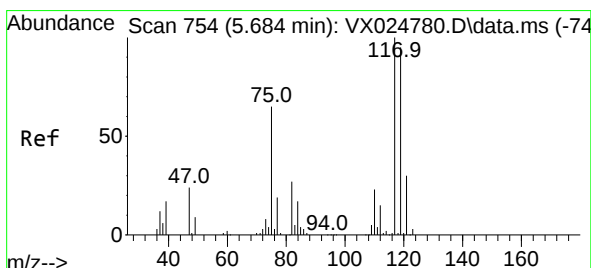
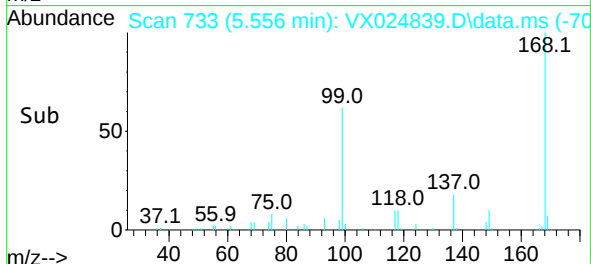
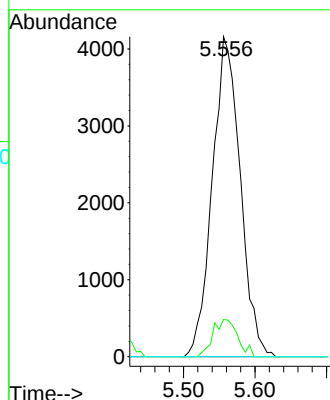
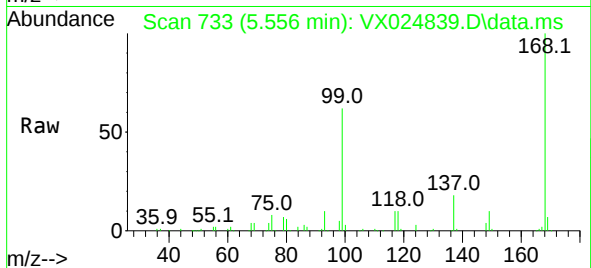
Tgt Ion: 75 Resp: 11266

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.3#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.295 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX024839.D

Acq: 15 Oct 2021 19:42

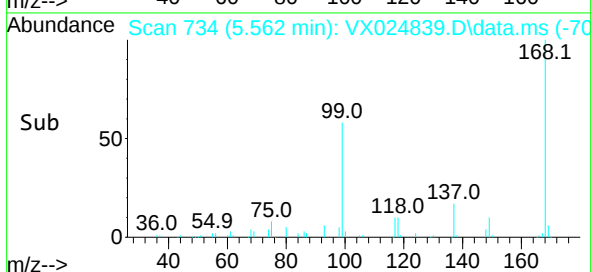
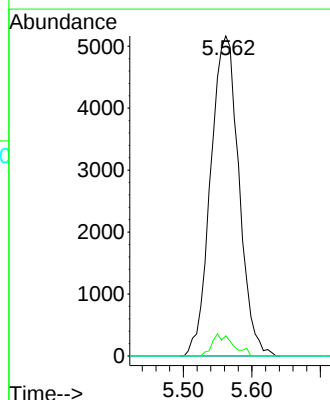
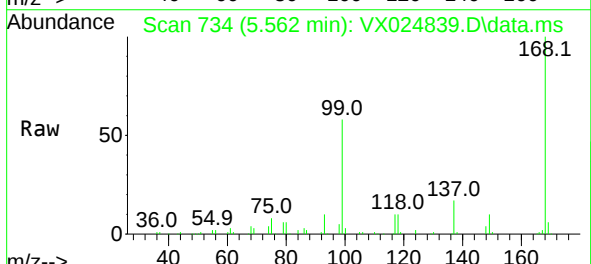
Tgt Ion: 117 Resp: 14781

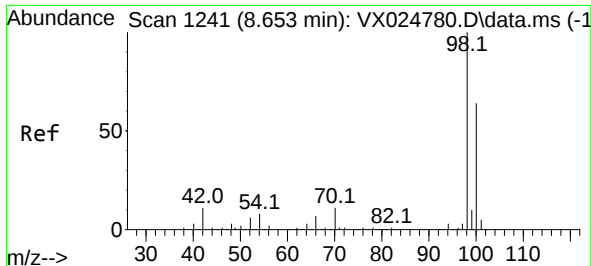
Ion Ratio Lower Upper

117 100

119 6.3 75.6 113.4#

121 0.0 23.7 35.5#

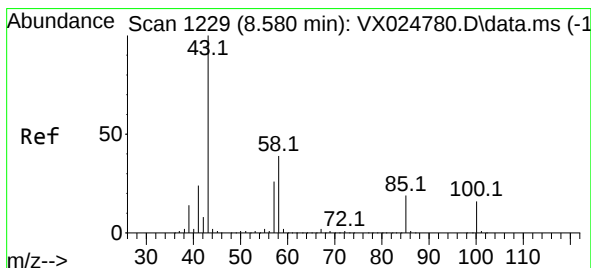
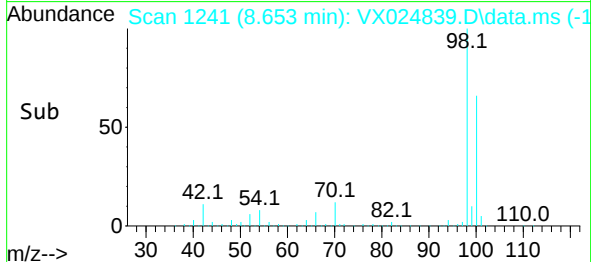
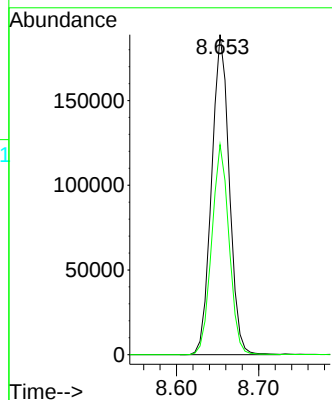
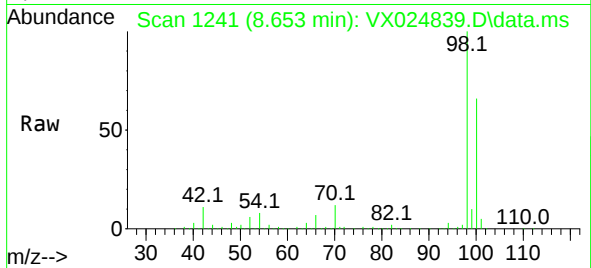




#50
Toluene-d8
Concen: 54.152 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

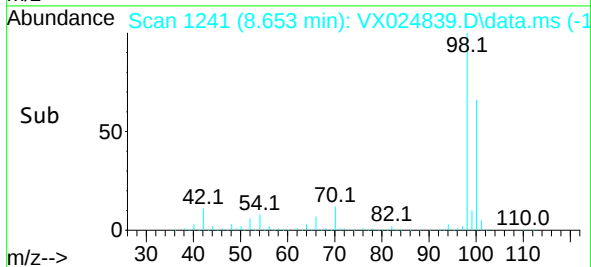
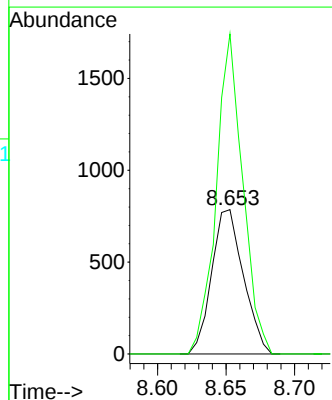
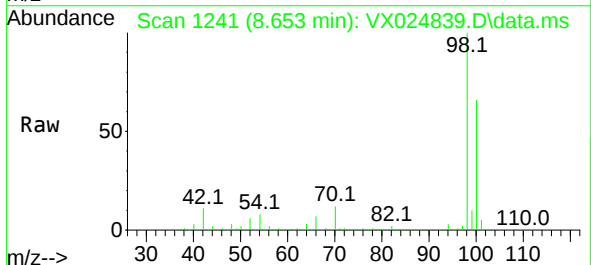
Instrument :
MSVOA_X
ClientSampled :

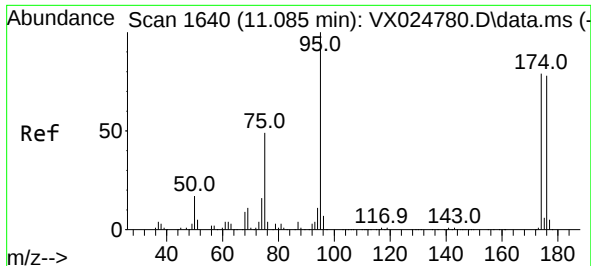
Tgt Ion: 98 Resp: 282360
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.511 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
58 185.5 30.9 46.3#

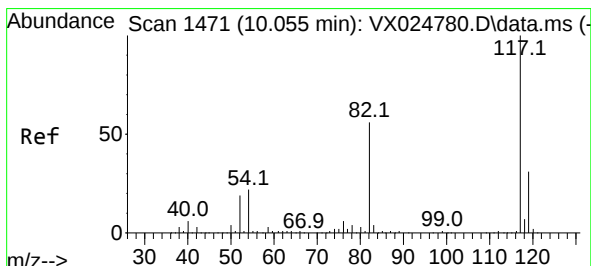
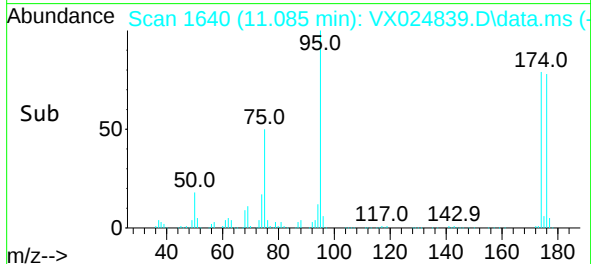
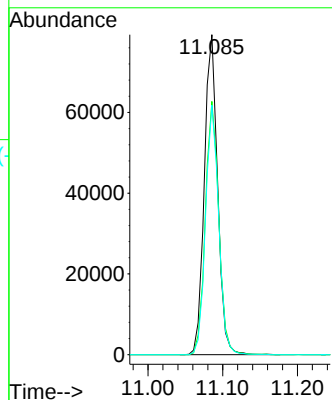
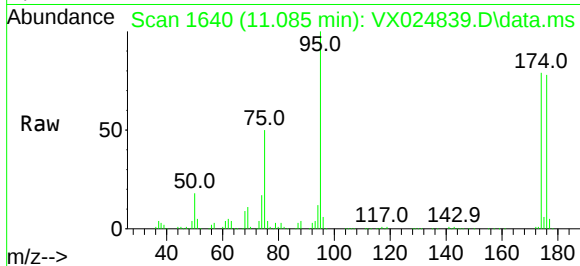




#62
4-Bromofluorobenzene
Concen: 47.686 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

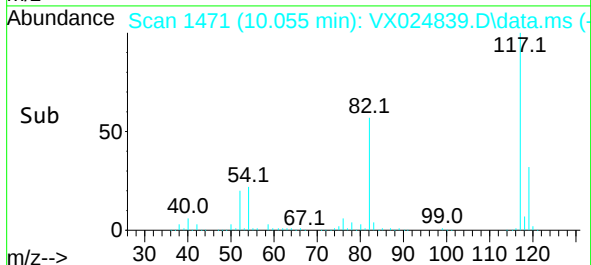
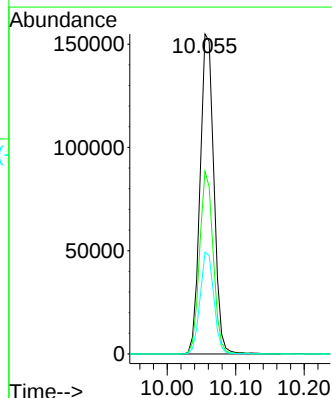
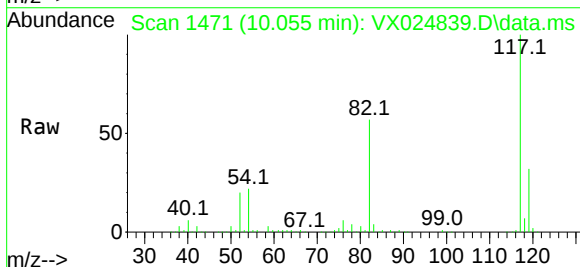
Instrument :
MSVOA_X
ClientSampleId :

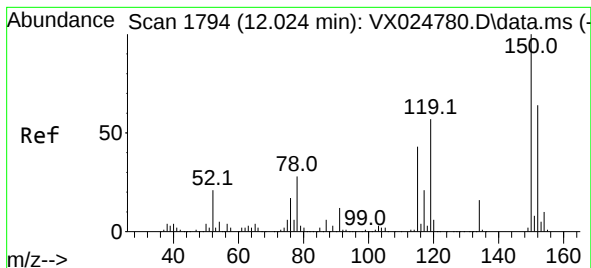
Tgt Ion: 95 Resp: 97793
Ion Ratio Lower Upper
95 100
174 80.0 0.0 158.0
176 77.0 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion: 117 Resp: 217675
Ion Ratio Lower Upper
117 100
82 57.0 44.6 67.0
119 31.8 24.8 37.2

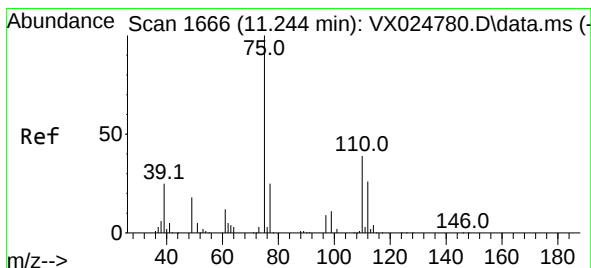
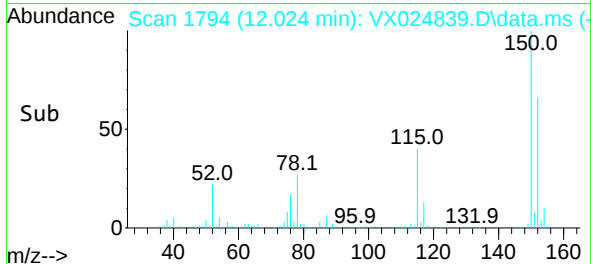
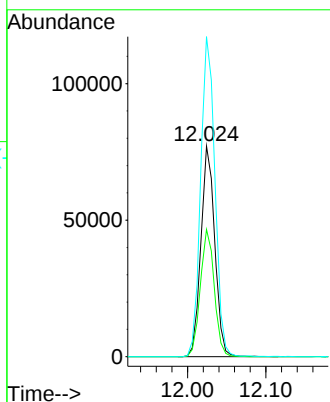
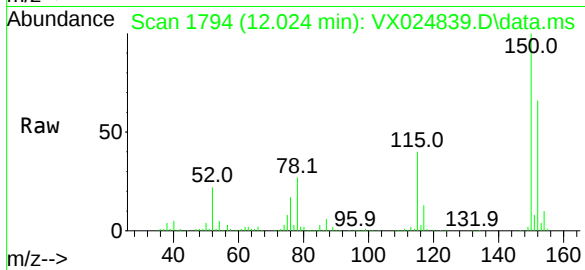




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024839.D
 Acq: 15 Oct 2021 19:42

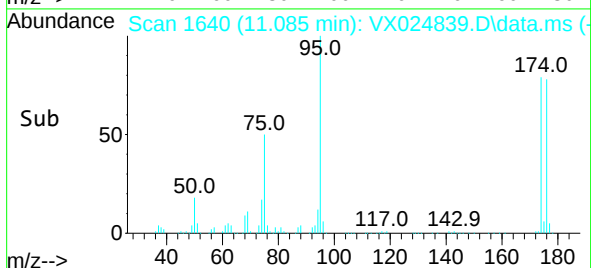
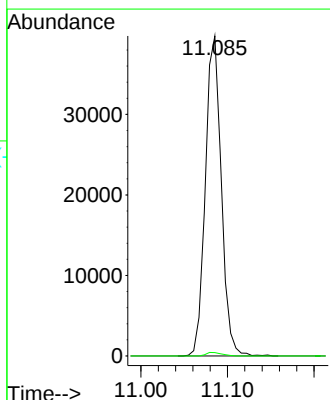
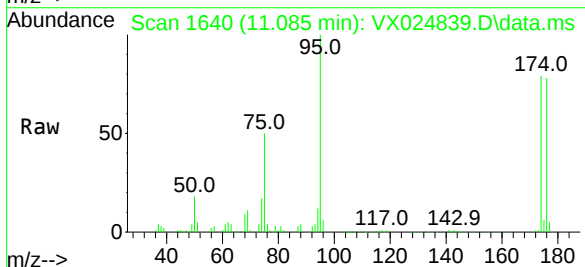
Instrument :
 MSVOA_X
 ClientSampled :

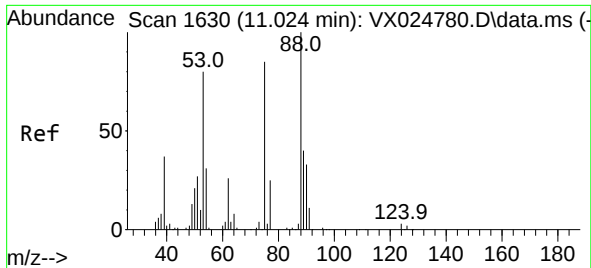
Tgt Ion:152 Resp: 94721
 Ion Ratio Lower Upper
 152 100
 115 60.6 43.3 129.8
 150 156.5 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 25.689 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024839.D
 Acq: 15 Oct 2021 19:42

Tgt Ion: 75 Resp: 50766
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#

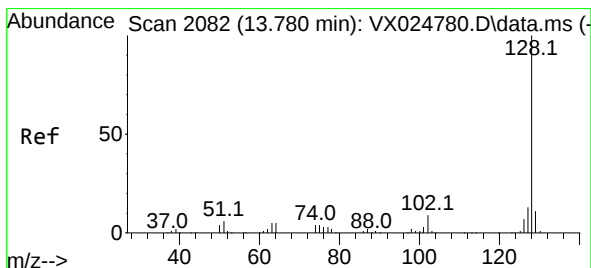
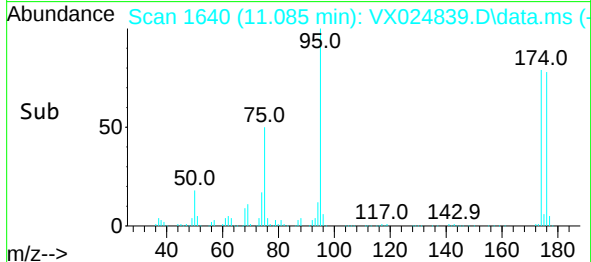
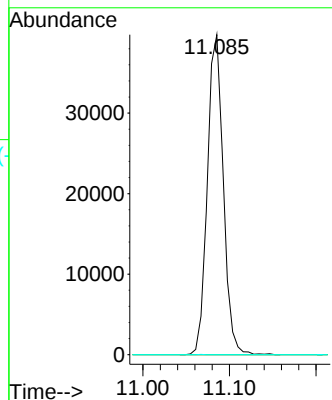
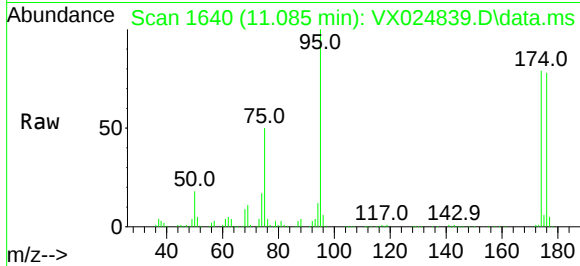




#81
trans-1,4-Dichloro-2-butene
Concen: 69.192 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 50766
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.270 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX024839.D
Acq: 15 Oct 2021 19:42

Tgt Ion: 128 Resp: 102
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

