

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072721\
 Data File : VX023471.D
 Acq On : 27 Jul 2021 12:52
 Operator : JC/MD
 Sample : M3146-21 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 28 00:50:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

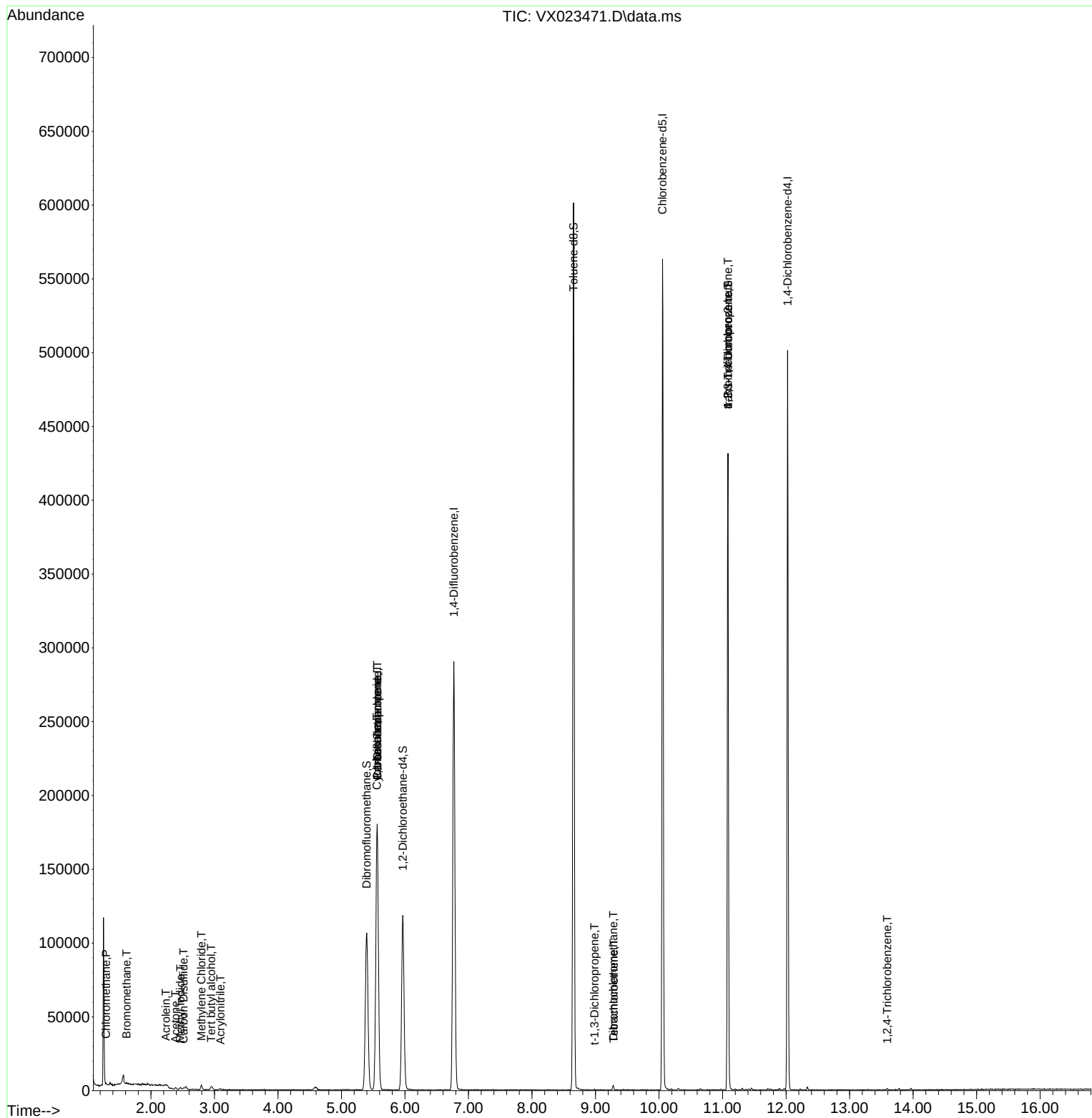
Internal Standards						
1) Pentafluorobenzene	5.562	168	172558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	294597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112526	52.277	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 104.560%		
35) Dibromofluoromethane	5.397	113	93223	50.611	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.220%		
50) Toluene-d8	8.653	98	347108	51.291	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.580%		
62) 4-Bromofluorobenzene	11.085	95	108448	47.127	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	522	0.282	ug/l #	84
5) Bromomethane	1.618	94	791	0.712	ug/l	83
10) Methyl Iodide	2.465	142	1534	0.717	ug/l #	95
11) Tert butyl alcohol	2.947	59	1557	3.166	ug/l #	73
13) Acrolein	2.233	56	91	1.726	ug/l #	1
15) Acrylonitrile	3.093	53	302	0.272	ug/l #	21
16) Acetone	2.386	43	1252	1.186	ug/l	95
17) Carbon Disulfide	2.514	76	1176	0.281	ug/l	99
20) Methylene Chloride	2.794	84	1331	0.648	ug/l #	91
31) Cyclohexane	5.556	56	3721	1.167	ug/l #	16
36) 1,1-Dichloropropene	5.562	75	12946	4.858	ug/l #	49
38) Carbon Tetrachloride	5.562	117	17500	6.457	ug/l #	17
53) t-1,3-Dichloropropene	8.982	75	204	1.877	ug/l #	85
60) Dibromochloromethane	9.281	129	544	2.221	ug/l #	11
64) Tetrachloroethene	9.287	164	483	0.240	ug/l #	74
76) 1,2,3-Trichloropropane	11.085	75	56549	26.107	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56549	70.198	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	425	0.211	ug/l	89

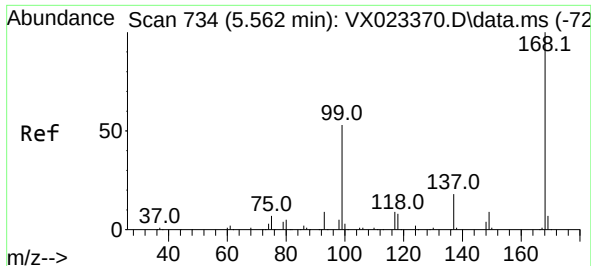
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

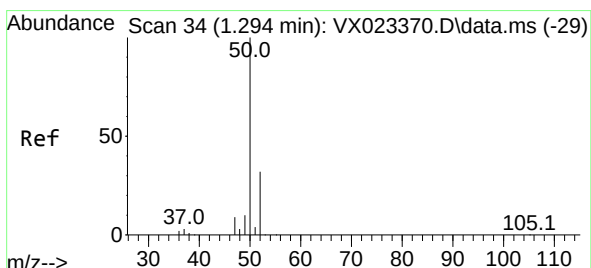
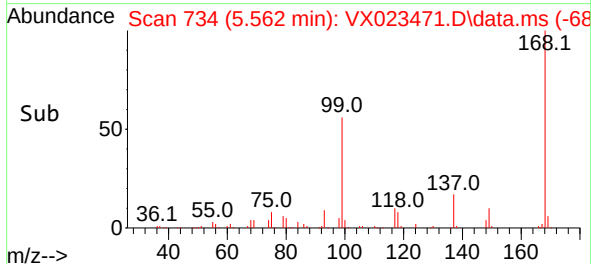
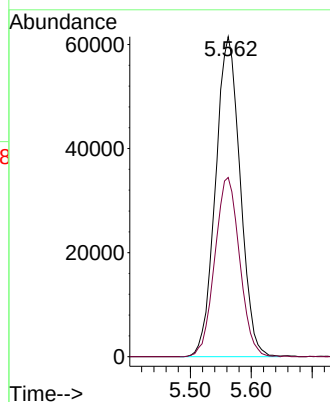
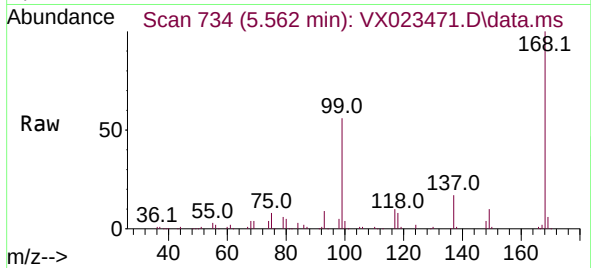




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

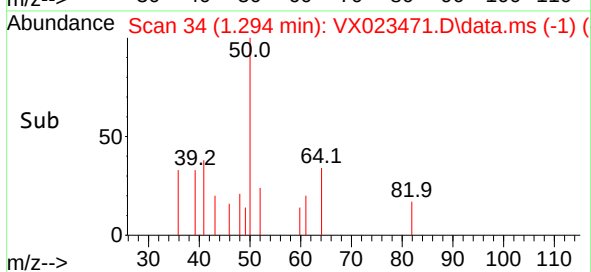
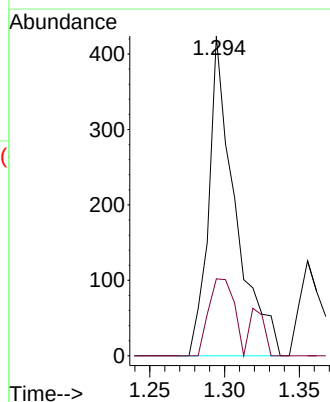
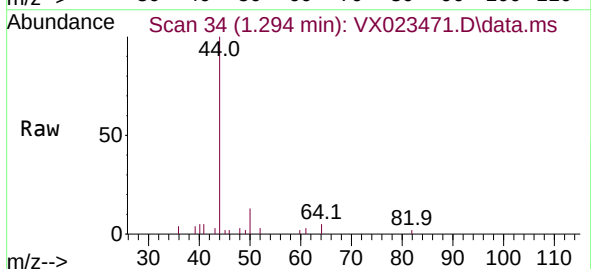
Instrument :
MSVOA_X
ClientSampleId :

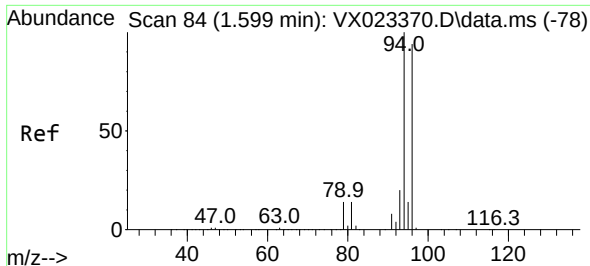
Tgt Ion:168 Resp: 172558
Ion Ratio Lower Upper
168 100
99 56.0 45.8 68.6



#3
Chloromethane
Concen: 0.282 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Tgt Ion: 50 Resp: 522
Ion Ratio Lower Upper
50 100
52 24.1 26.4 39.6#

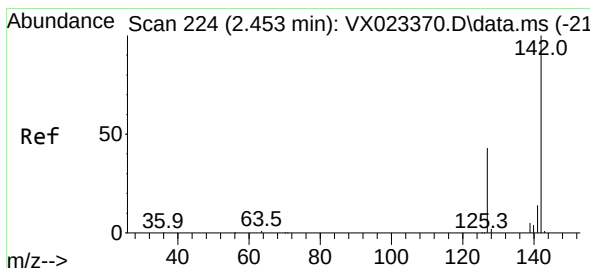
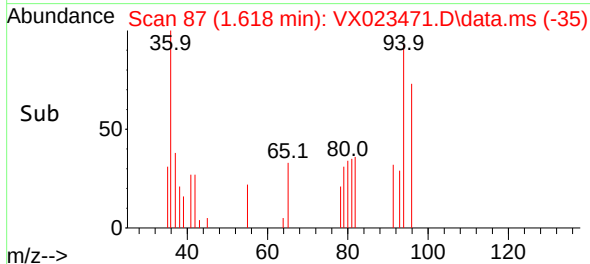
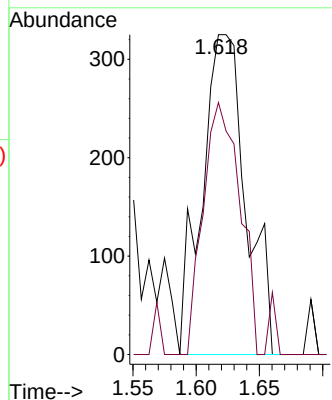
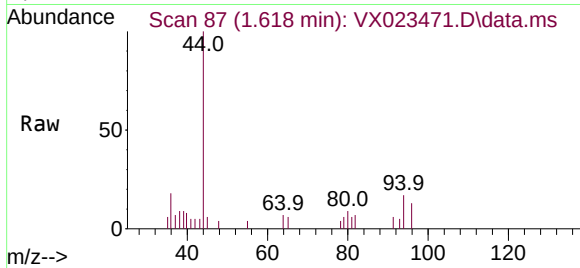




#5
Bromomethane
Concen: 0.712 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

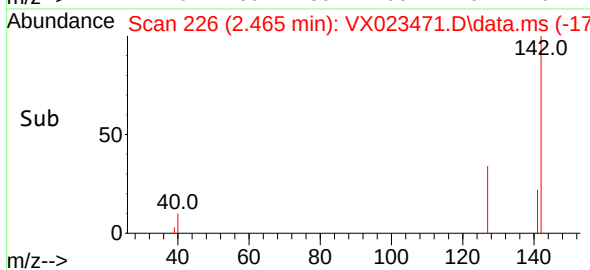
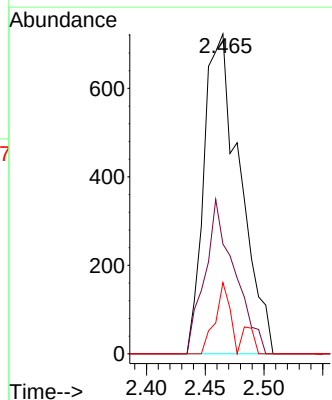
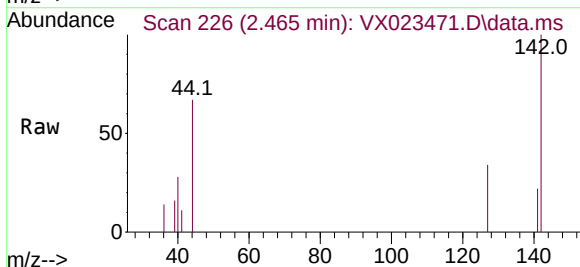
Instrument :
MSVOA_X
ClientSampleId :

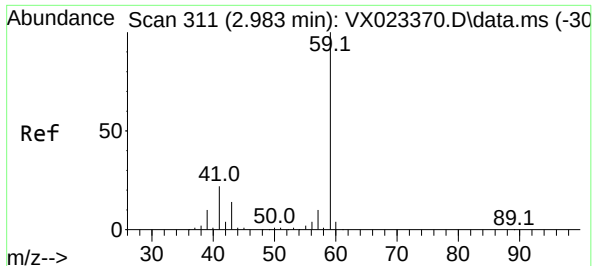
Tgt Ion: 94 Resp: 791
Ion Ratio Lower Upper
94 100
96 78.8 76.4 114.6



#10
Methyl Iodide
Concen: 0.717 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Tgt Ion: 142 Resp: 1534
Ion Ratio Lower Upper
142 100
127 40.2 33.3 49.9
141 9.2 11.4 17.0#



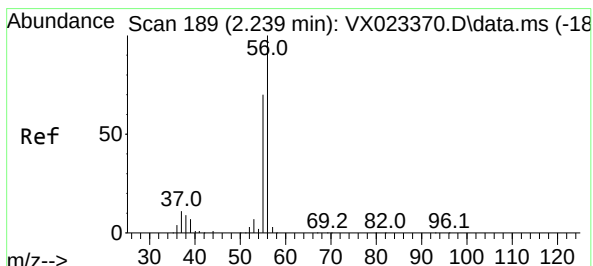
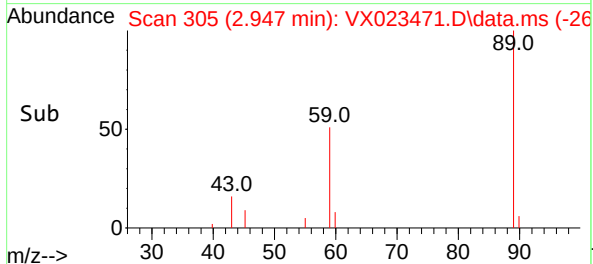
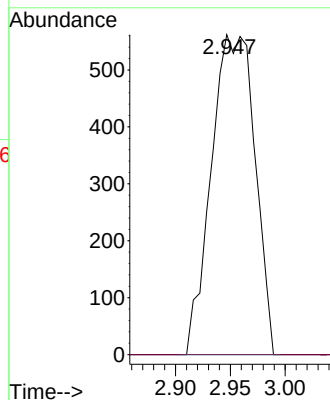
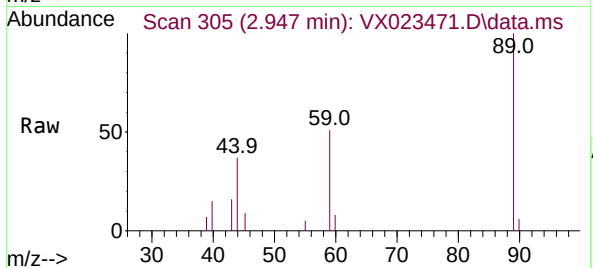


#11

Tert butyl alcohol
Concen: 3.166 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Instrument :
MSVOA_X
ClientSampled :

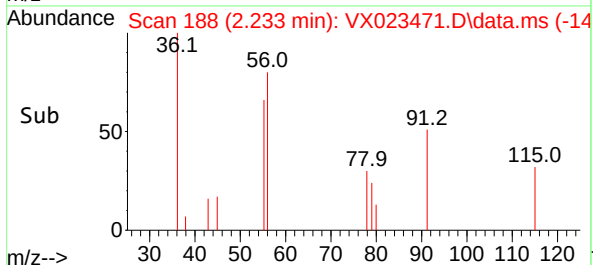
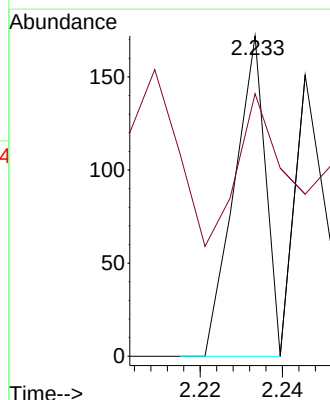
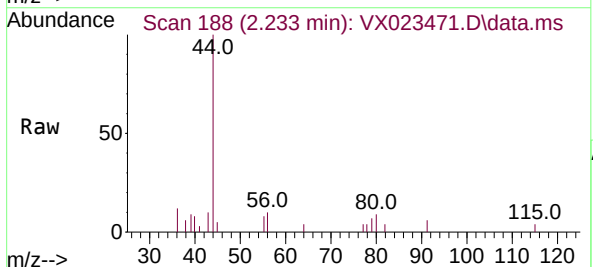
Tgt Ion: 59 Resp: 1557
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

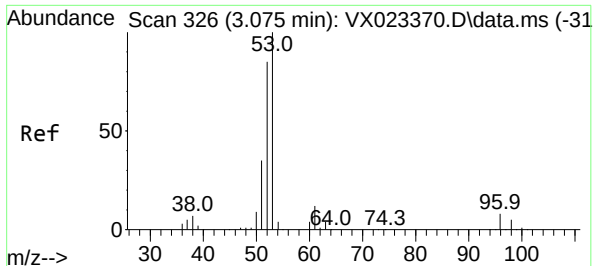


#13

Acrolein
Concen: 1.726 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 253.8 56.4 84.6#

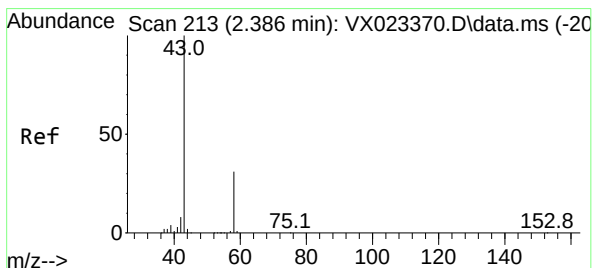
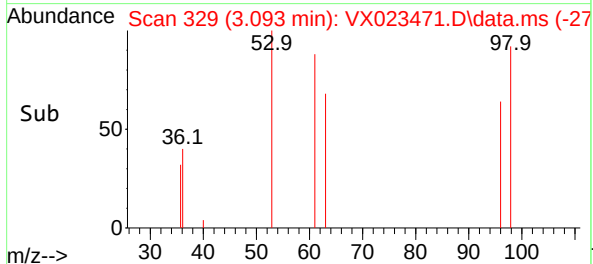
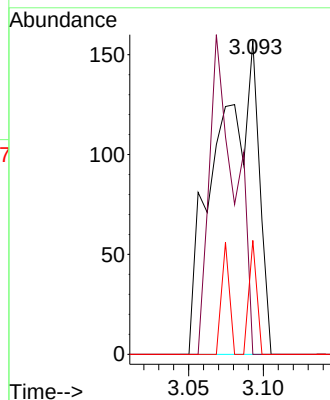
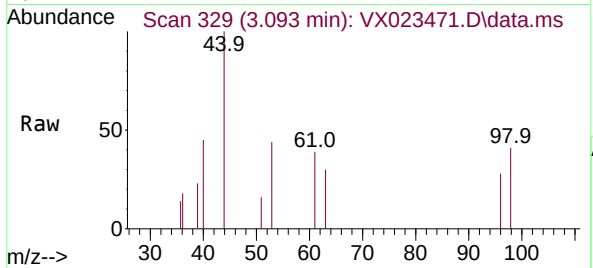




#15
Acrylonitrile
Concen: 0.272 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.018 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

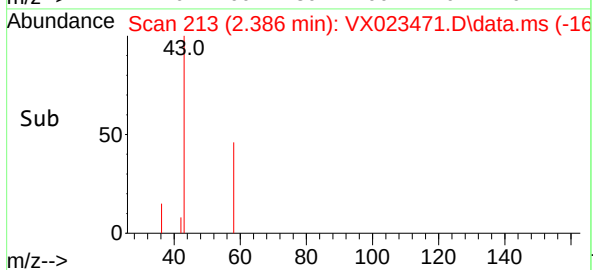
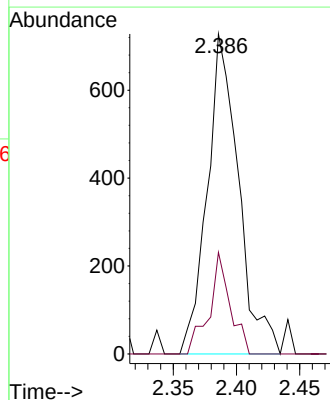
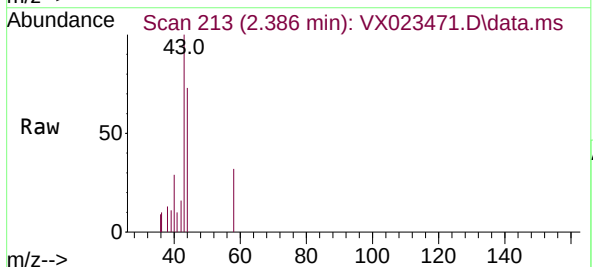
Instrument :
MSVOA_X
ClientSampleId :

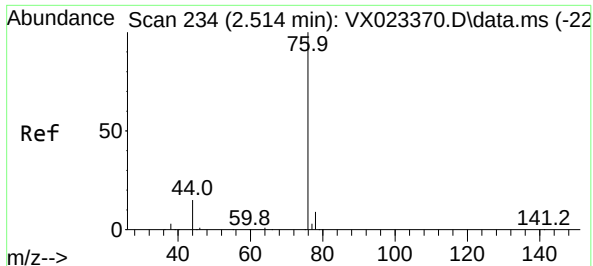
Tgt Ion: 53 Resp: 302
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 7.0 28.2 42.2#



#16
Acetone
Concen: 1.186 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.8

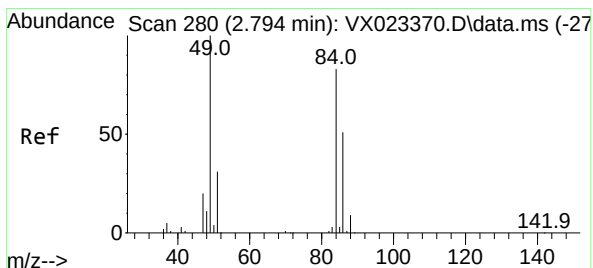
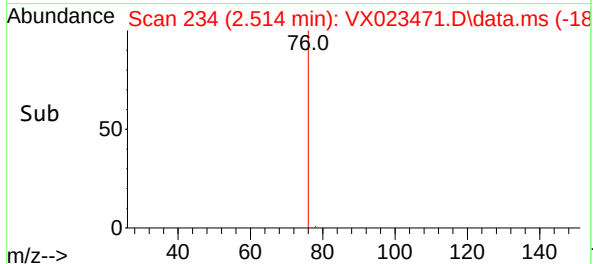
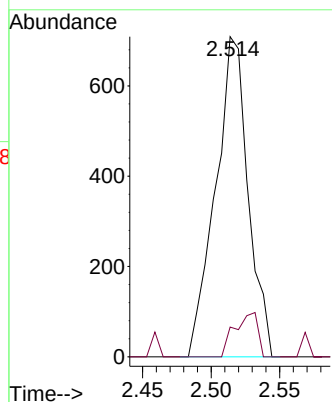
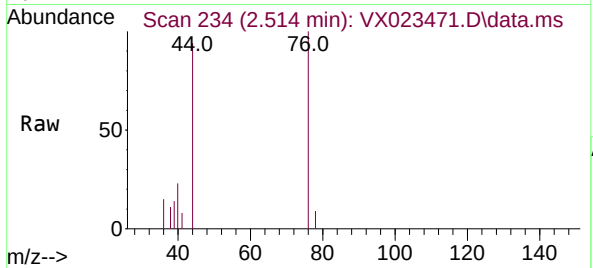




#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

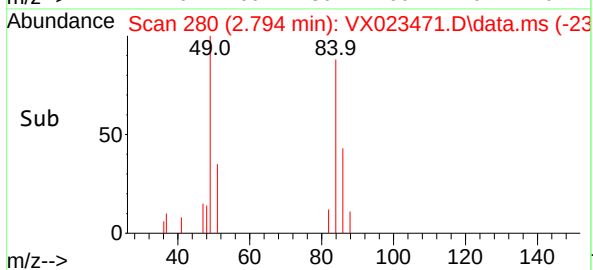
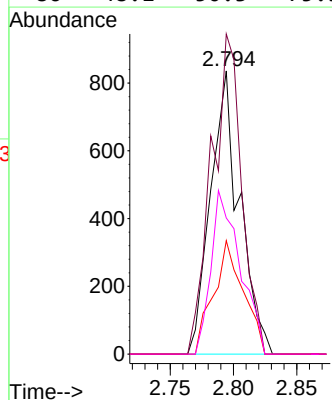
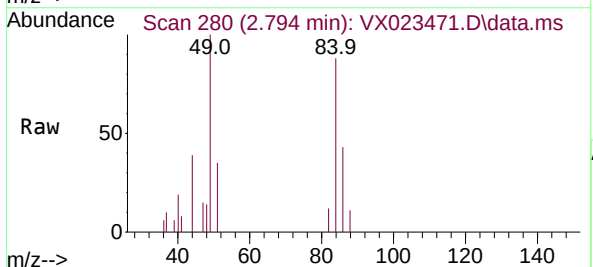
Instrument :
MSVOA_X
ClientSampled :

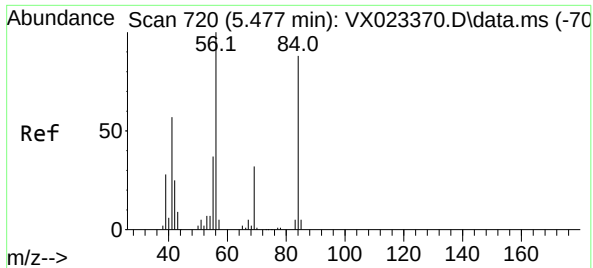
Tgt Ion: 76 Resp: 1176
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#20
Methylene Chloride
Concen: 0.648 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

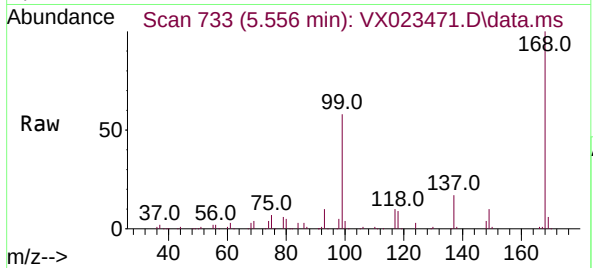
Tgt Ion: 84 Resp: 1331
Ion Ratio Lower Upper
84 100
49 113.0 88.6 132.8
51 40.1 27.0 40.6
86 48.1 50.3 75.5#



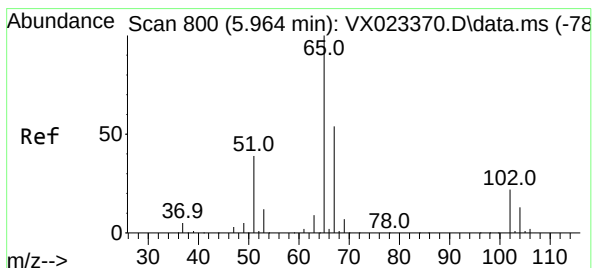
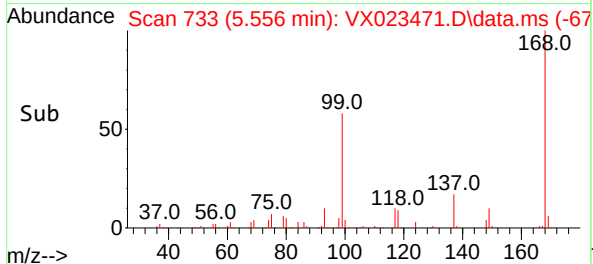
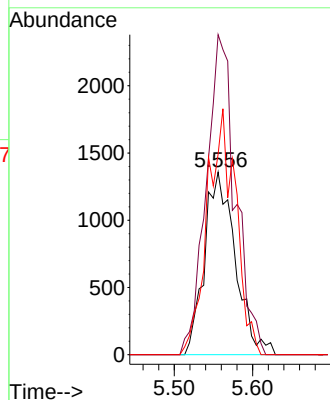


#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Instrument :
MSVOA_X
ClientSampleId :

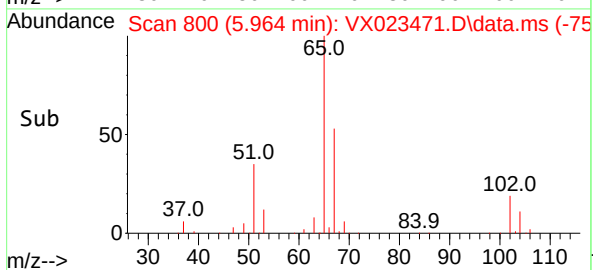
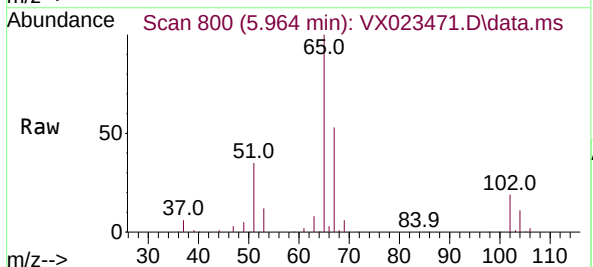
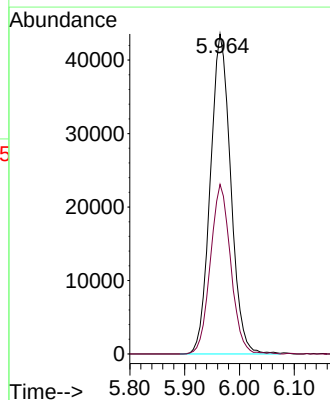


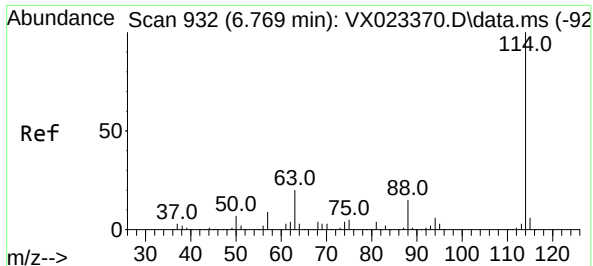
Tgt Ion: 56 Resp: 3721
Ion Ratio Lower Upper
56 100
69 175.3 25.3 37.9#
84 109.8 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.277 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Tgt Ion: 65 Resp: 112526
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.4

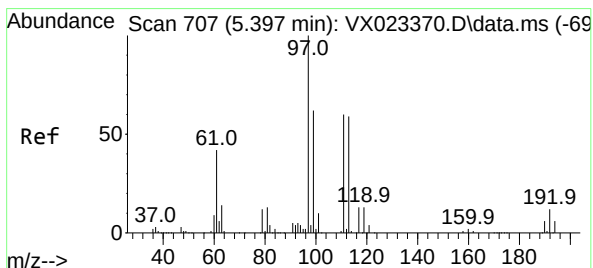
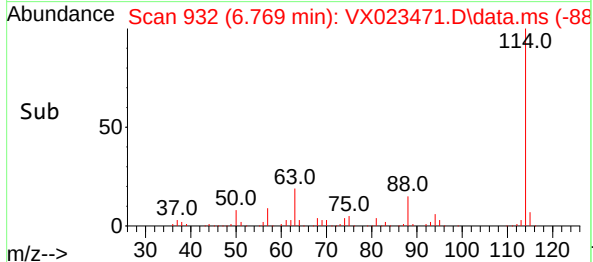
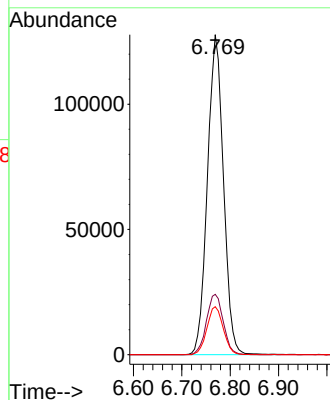
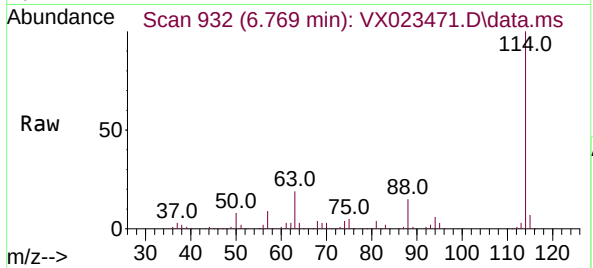




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

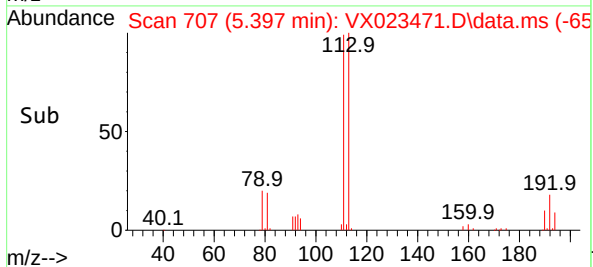
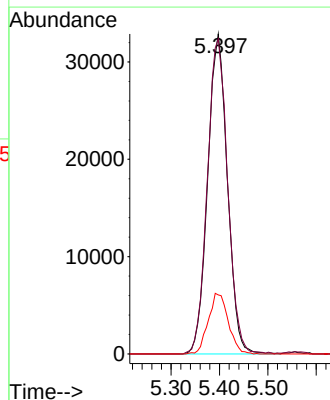
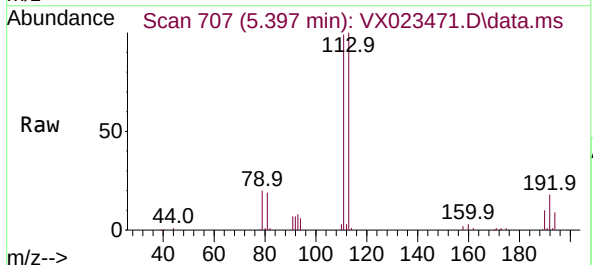
Instrument :
MSVOA_X
ClientSampleId :

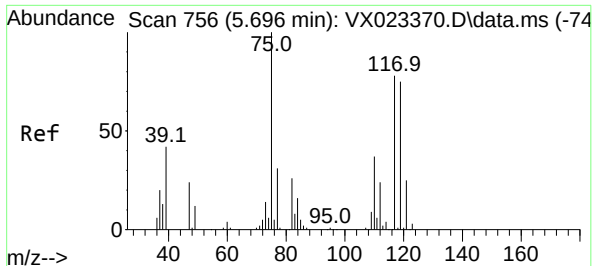
Tgt Ion:114 Resp: 294597
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.8
88 15.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.611 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

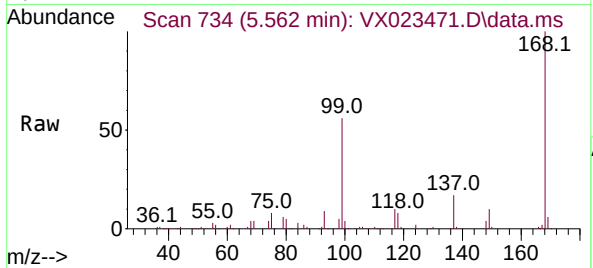
Tgt Ion:113 Resp: 93223
Ion Ratio Lower Upper
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111 101.8 81.9 122.9
192 19.2 16.7 25.1



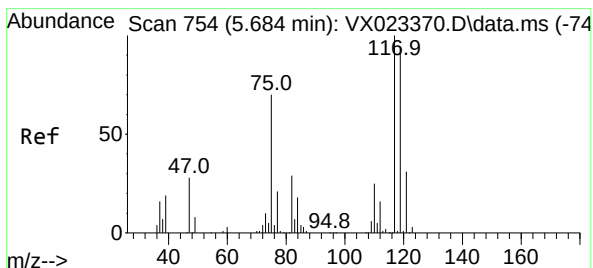
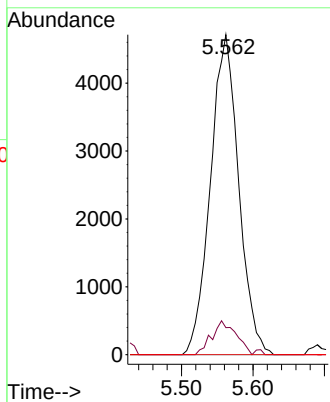
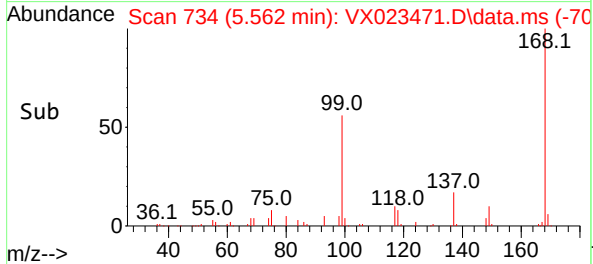


#36
1,1-Dichloropropene
Concen: 4.858 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

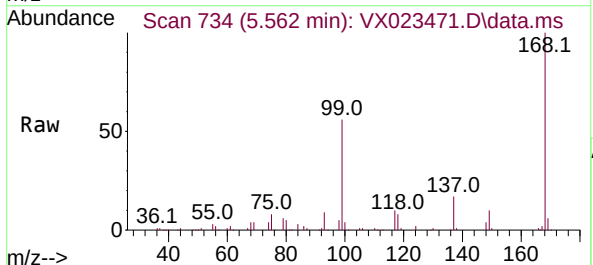
Instrument :
MSVOA_X
ClientSampleId :



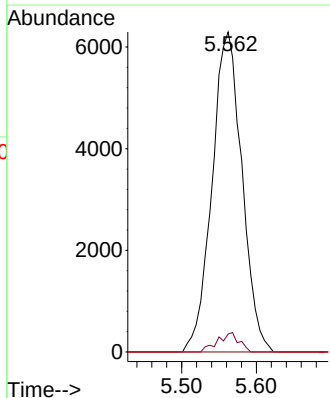
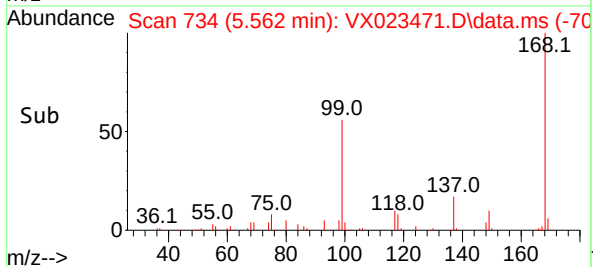
Tgt Ion: 75 Resp: 12946
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#

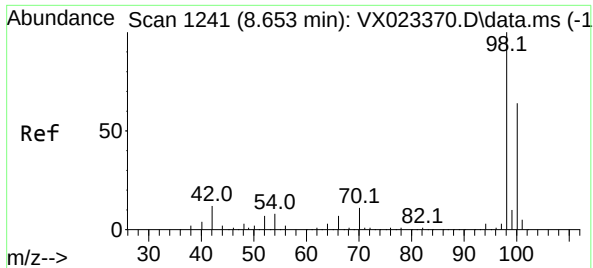


#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52



Tgt Ion: 117 Resp: 17500
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

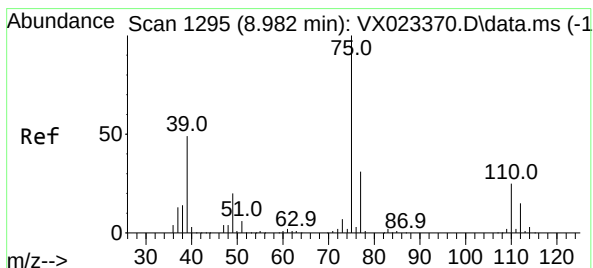
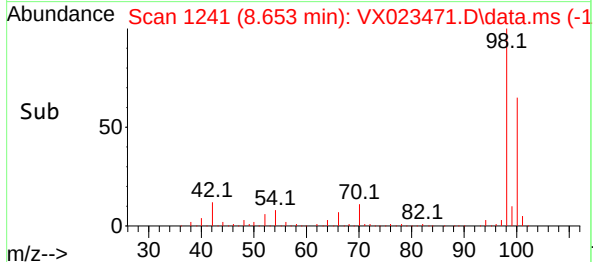
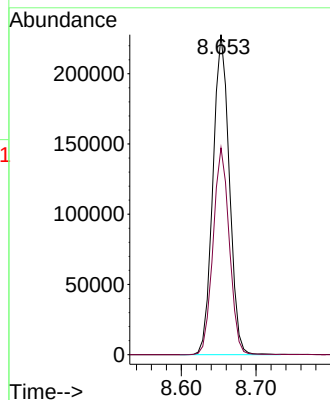
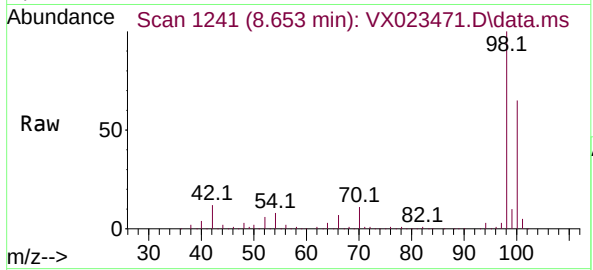




#50
Toluene-d8
Concen: 51.291 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

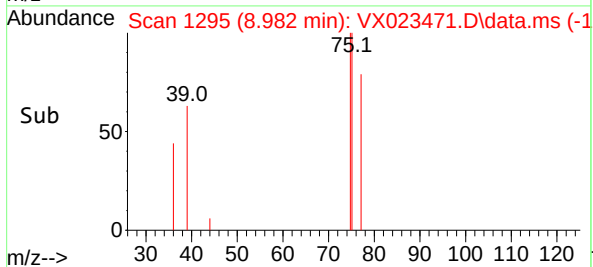
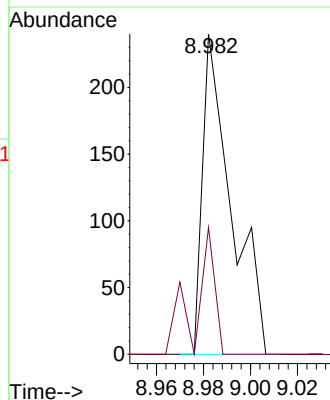
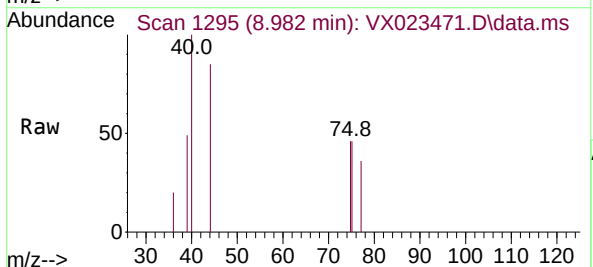
Instrument :
MSVOA_X
ClientSampled :

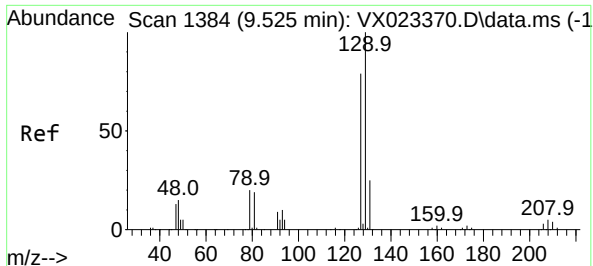
Tgt Ion: 98 Resp: 347108
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 1.877 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Tgt Ion: 75 Resp: 204
Ion Ratio Lower Upper
75 100
77 39.6 24.9 37.3#





#60

Dibromochloromethane

Concen: 2.221 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023471.D

Acq: 27 Jul 2021 12:52

Instrument :

MSVOA_X

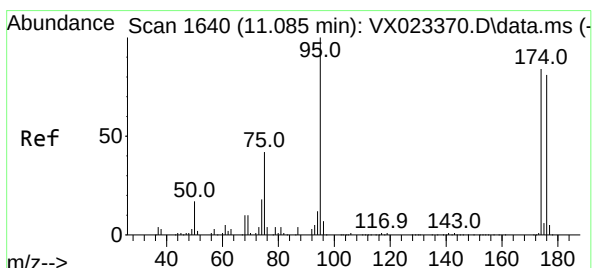
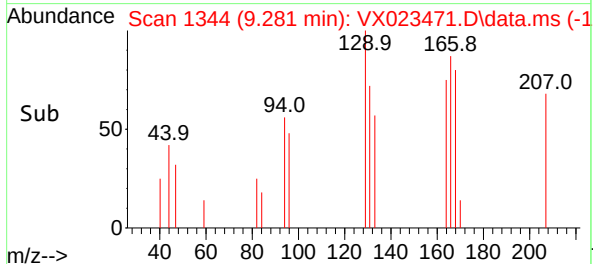
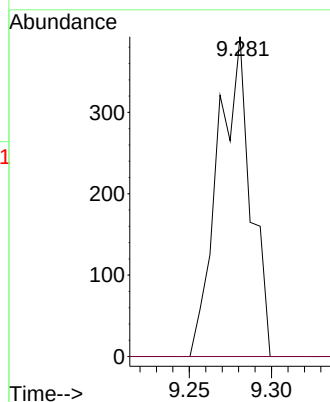
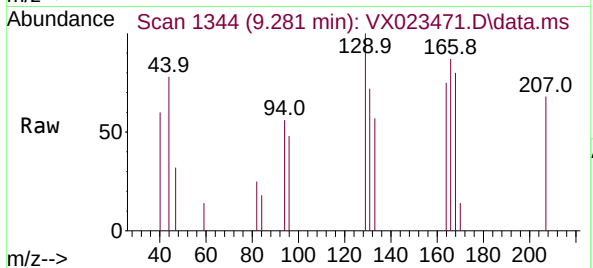
ClientSampled :

Tgt Ion:129 Resp: 544

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 47.127 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023471.D

Acq: 27 Jul 2021 12:52

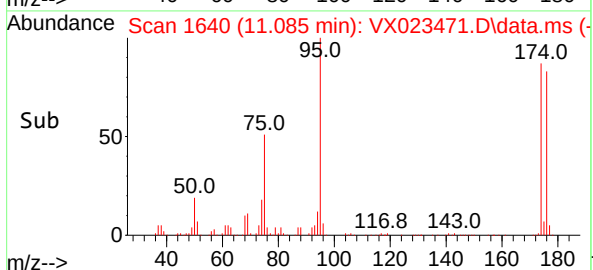
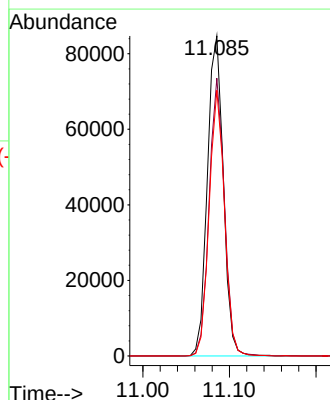
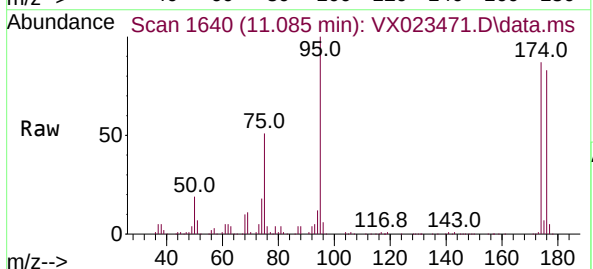
Tgt Ion: 95 Resp: 108448

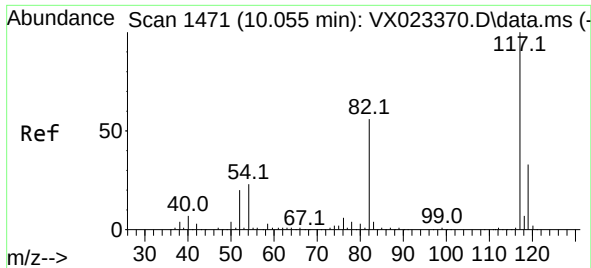
Ion Ratio Lower Upper

95 100

174 83.5 0.0 154.6

176 79.8 0.0 155.8

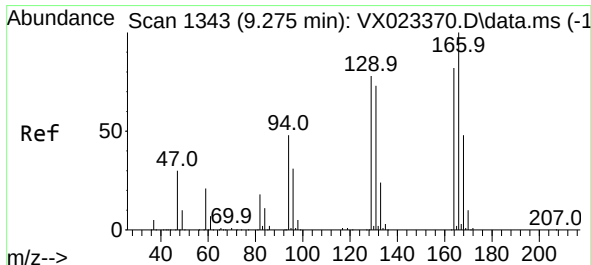
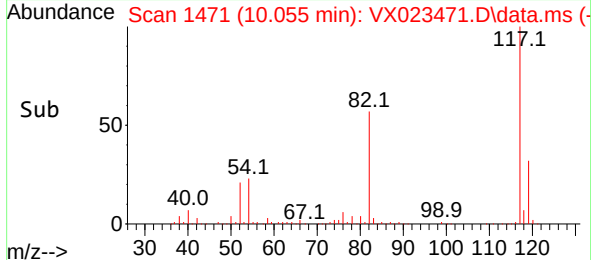
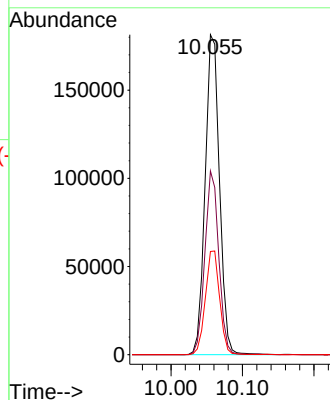
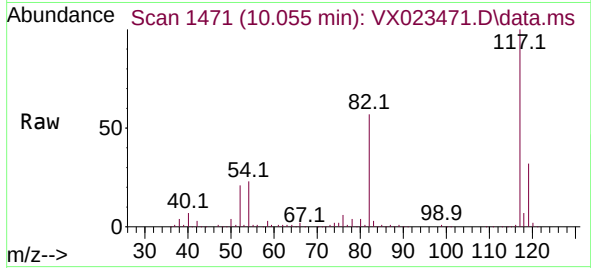




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

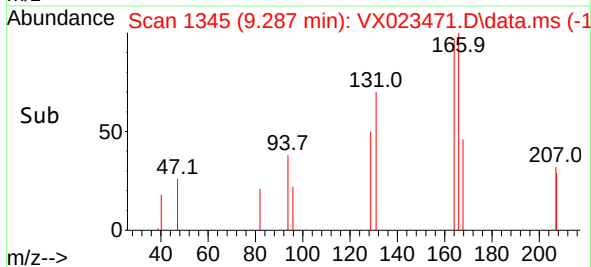
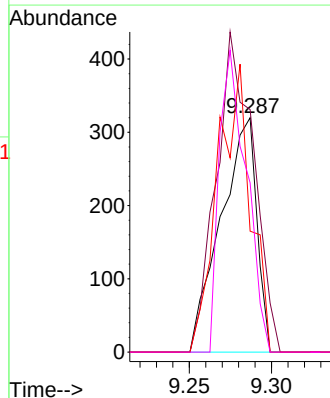
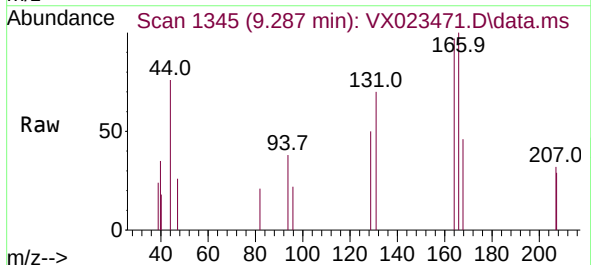
Instrument :
MSVOA_X
ClientSampleId :

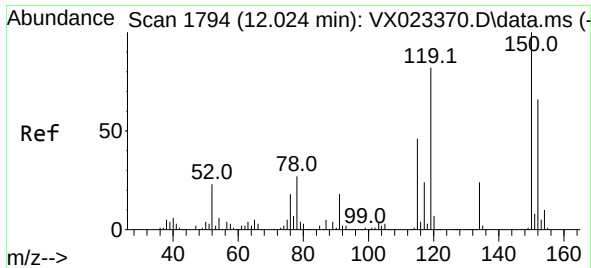
Tgt Ion:117 Resp: 252953
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.3 26.6 39.8



#64
Tetrachloroethene
Concen: 0.240 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. 0.012 min
Lab File: VX023471.D
Acq: 27 Jul 2021 12:52

Tgt Ion:164 Resp: 483
Ion Ratio Lower Upper
164 100
166 103.4 103.4 155.2#
129 51.6 70.8 106.2#
131 72.2 72.5 108.7#

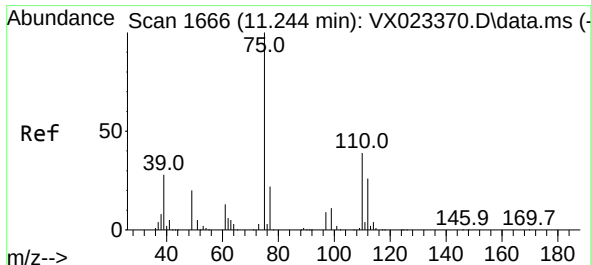
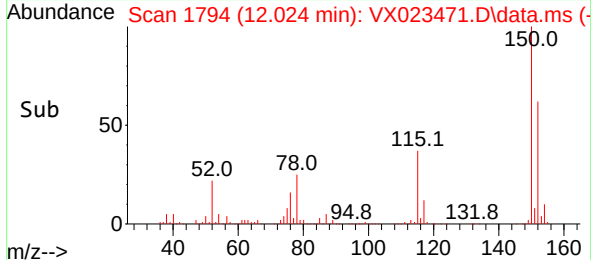
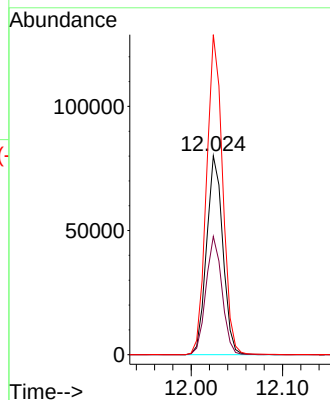
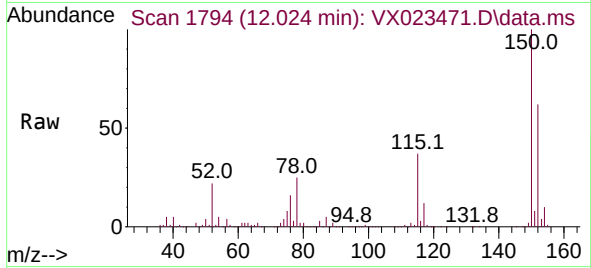




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023471.D
 Acq: 27 Jul 2021 12:52

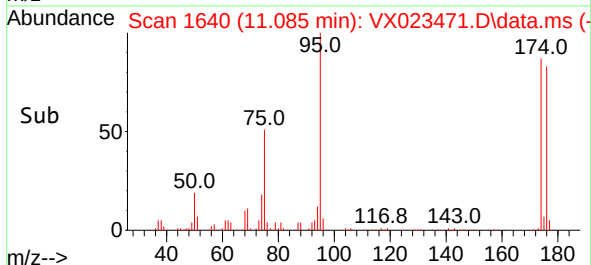
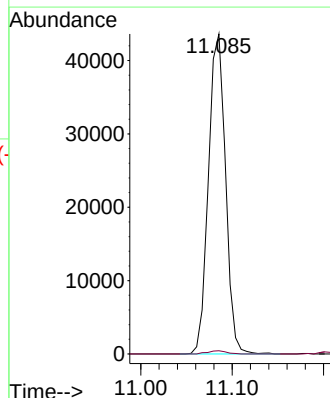
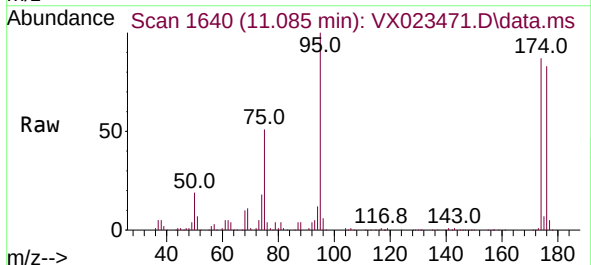
Instrument :
 MSVOA_X
 ClientSampled :

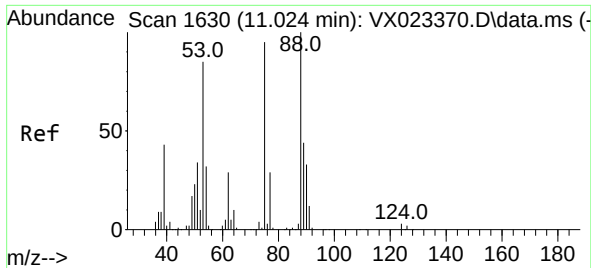
Tgt Ion:152 Resp: 98432
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.1 123.3
 150 159.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.107 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023471.D
 Acq: 27 Jul 2021 12:52

Tgt Ion: 75 Resp: 56549
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

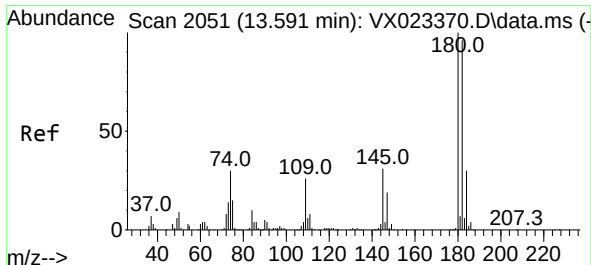
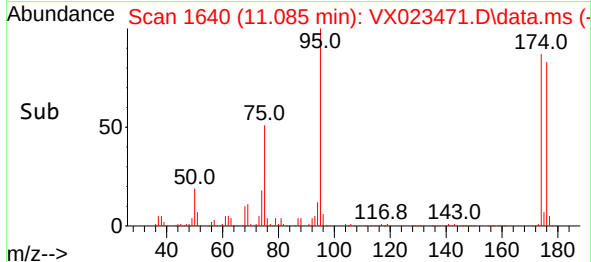
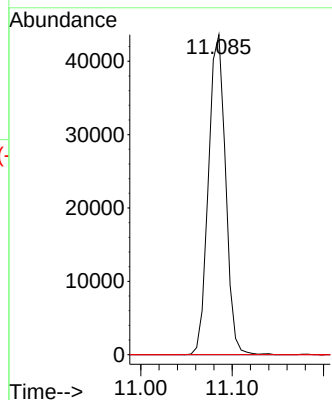
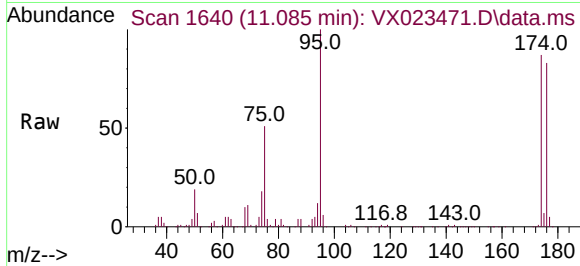




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.198 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023471.D
 Acq: 27 Jul 2021 12:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 56549
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX023471.D
 Acq: 27 Jul 2021 12:52

Tgt Ion:180 Resp: 425
 Ion Ratio Lower Upper
 180 100
 182 88.0 47.7 143.1
 145 18.6 15.0 45.0

