

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072621\
 Data File : VX023458.D
 Acq On : 26 Jul 2021 17:59
 Operator : JC/MD
 Sample : M3146-09 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 03:29:02 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)

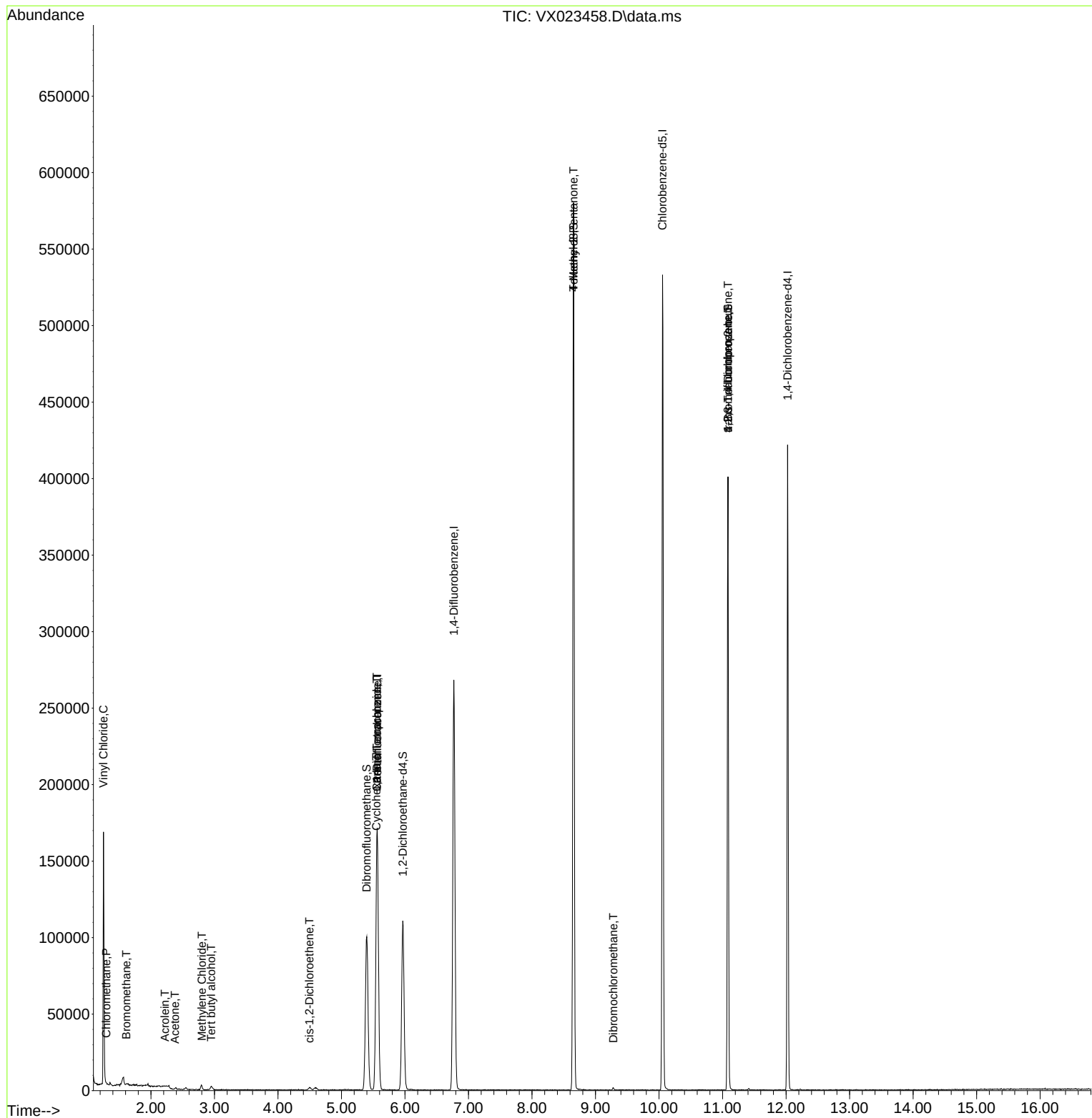
Internal Standards						
1) Pentafluorobenzene	5.562	168	162543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	275018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83016	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105998	52.28	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.56%			
35) Dibromofluoromethane	5.397	113	87722	51.01	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.02%			
50) Toluene-d8	8.653	98	331661	52.50	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.00%			
62) 4-Bromofluorobenzene	11.085	95	99535	46.33	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.66%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	377	0.22	ug/l #	78
4) Vinyl Chloride	1.252	62	1353	0.77	ug/l #	84
5) Bromomethane	1.611	94	770	0.74	ug/l #	66
11) Tert butyl alcohol	2.946	59	1394	3.01	ug/l #	73
13) Acrolein	2.221	56	24	1.47	ug/l #	1
16) Acetone	2.379	43	1180	1.19	ug/l #	56
20) Methylene Chloride	2.800	84	1490	0.77	ug/l #	85
27) cis-1,2-Dichloroethene	4.495	96	1179	0.60	ug/l	65
31) Cyclohexane	5.550	56	3831	1.28	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	12863	5.17	ug/l #	49
38) Carbon Tetrachloride	5.556	117	16165	6.39	ug/l #	17
51) 4-Methyl-2-Pentanone	8.653	43	1642	0.55	ug/l #	1
60) Dibromochloromethane	9.281	129	211	2.08	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	51443	28.16	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51443	75.72	ug/l #	12

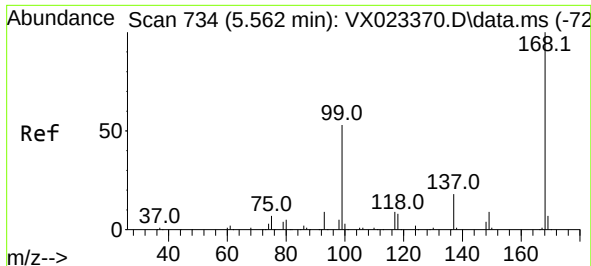
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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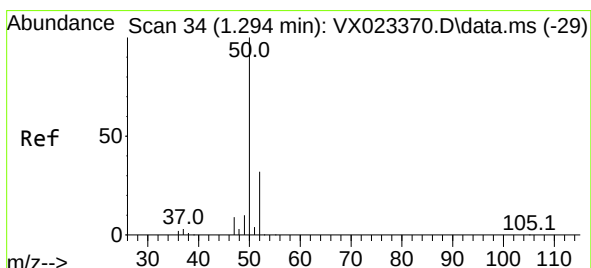
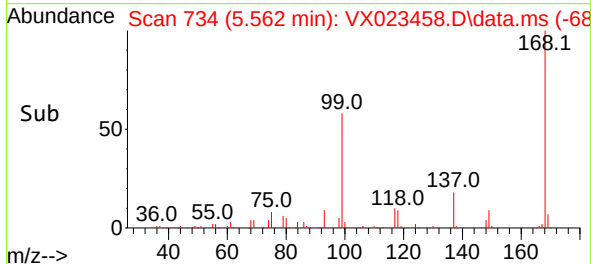
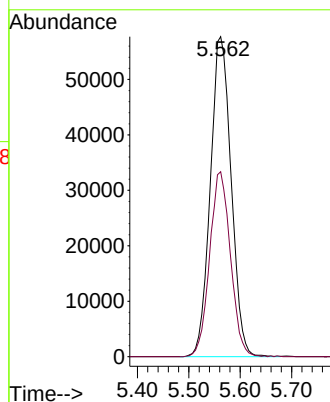
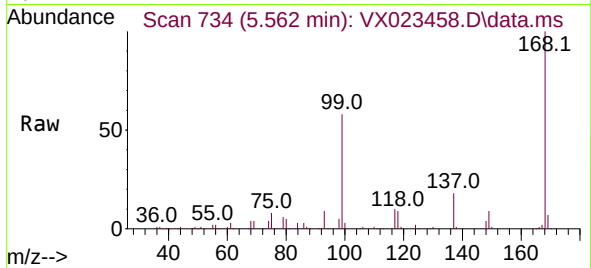




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

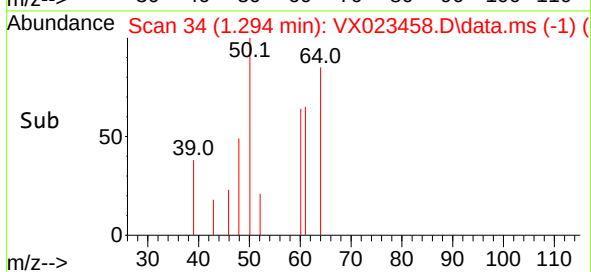
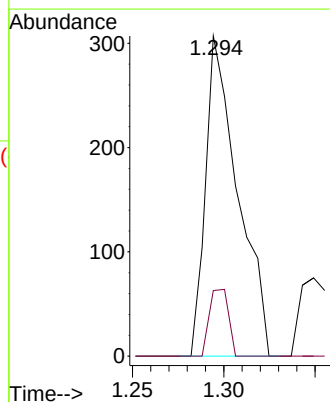
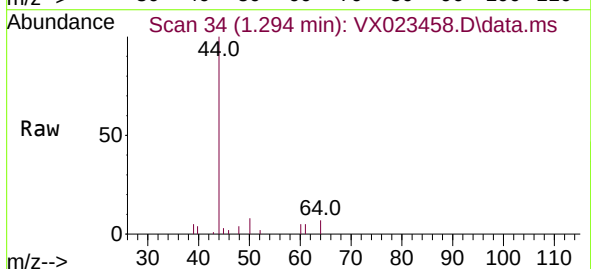
Instrument :
MSVOA_X
ClientSampleId :

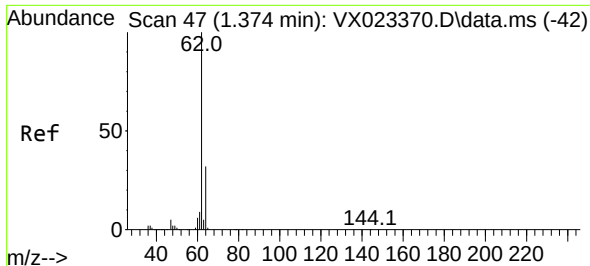
Tgt Ion:168 Resp: 162543
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#3
Chloromethane
Concen: 0.22 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 20.5 26.4 39.6#

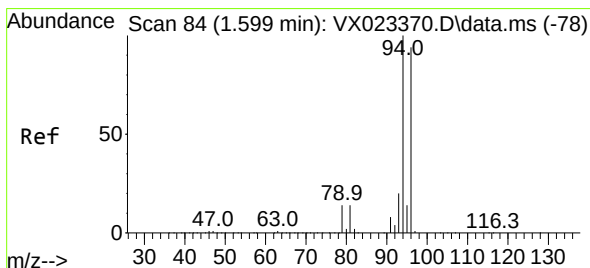
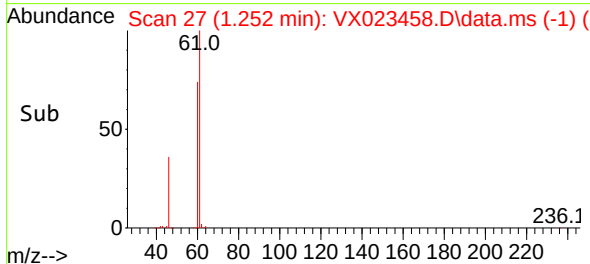
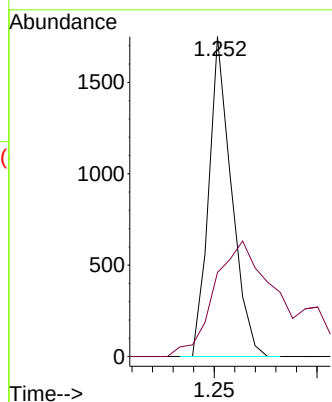
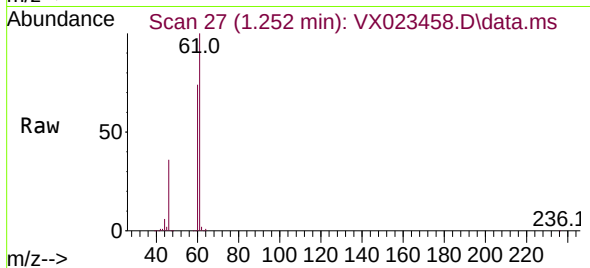




#4
 Vinyl Chloride
 Concen: 0.77 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX023458.D
 Acq: 26 Jul 2021 17:59

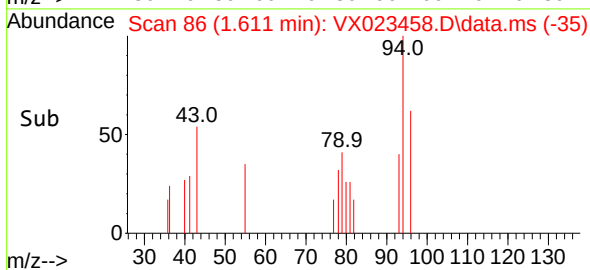
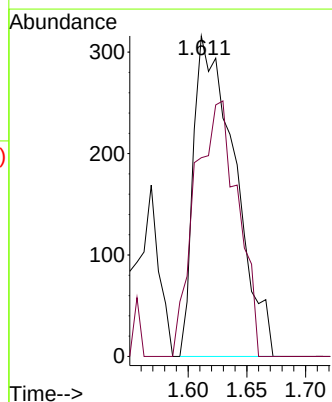
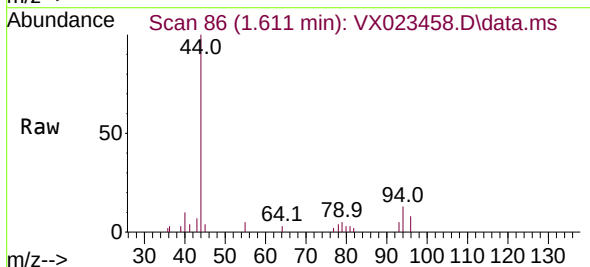
Instrument :
 MSVOA_X
 ClientSampled :

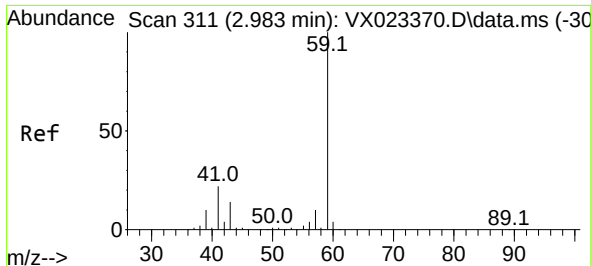
Tgt Ion: 62 Resp: 1353
 Ion Ratio Lower Upper
 62 100
 64 23.3 25.7 38.5#



#5
 Bromomethane
 Concen: 0.74 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX023458.D
 Acq: 26 Jul 2021 17:59

Tgt Ion: 94 Resp: 770
 Ion Ratio Lower Upper
 94 100
 96 62.0 76.4 114.6#



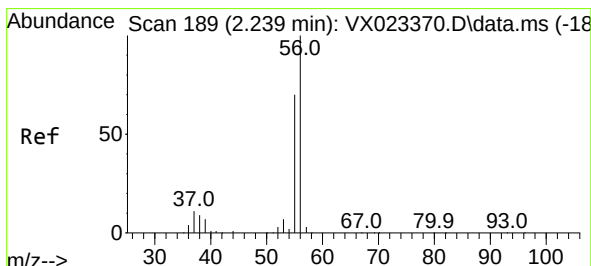
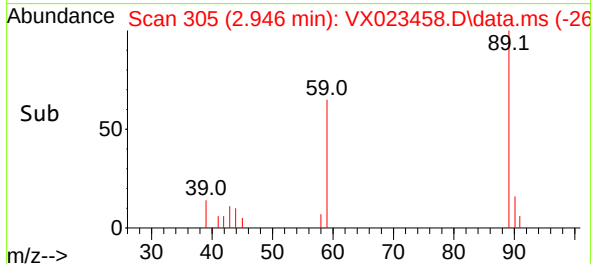
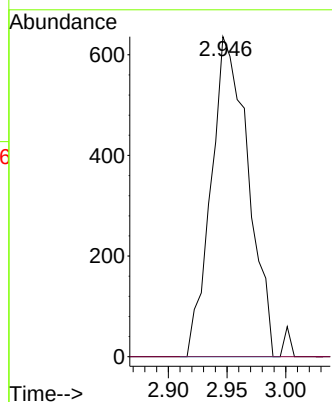
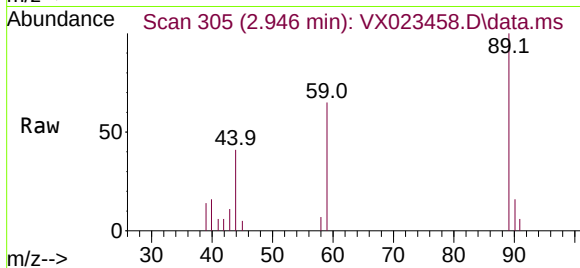


#11

Tert butyl alcohol
Concen: 3.01 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Instrument :
MSVOA_X
ClientSampled :

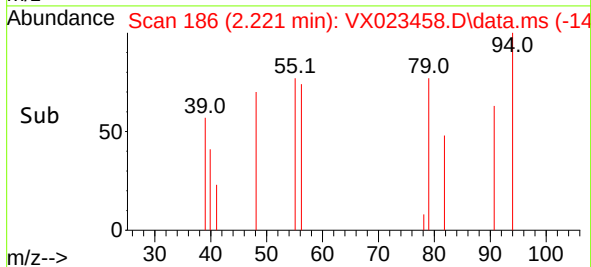
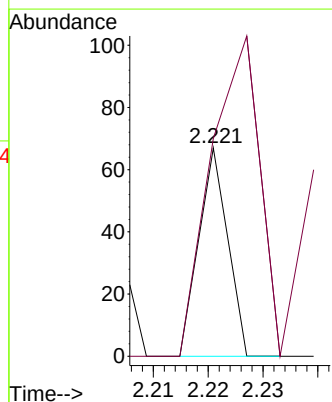
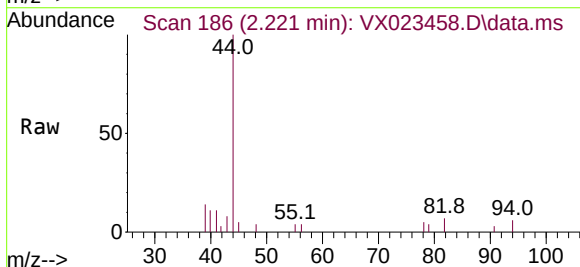
Tgt Ion: 59 Resp: 1394
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

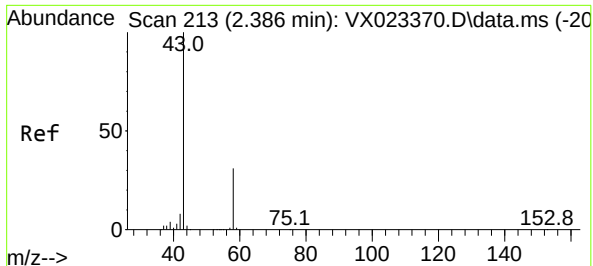


#13

Acrolein
Concen: 1.47 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 262.5 56.4 84.6#

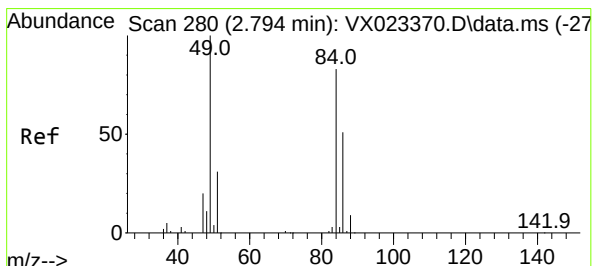
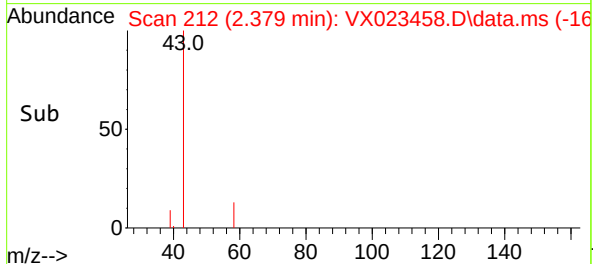
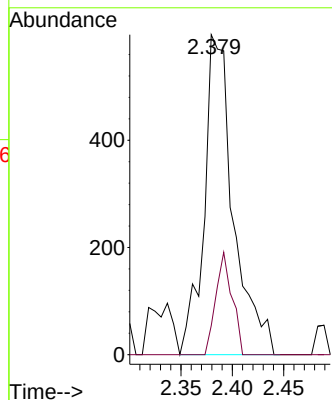
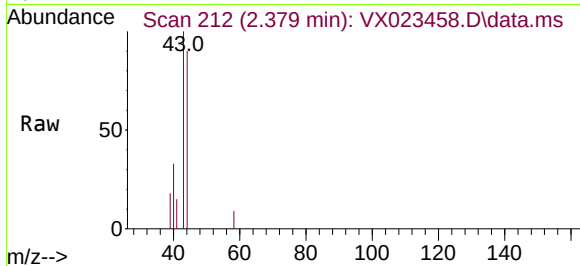




#16
Acetone
Concen: 1.19 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.007 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

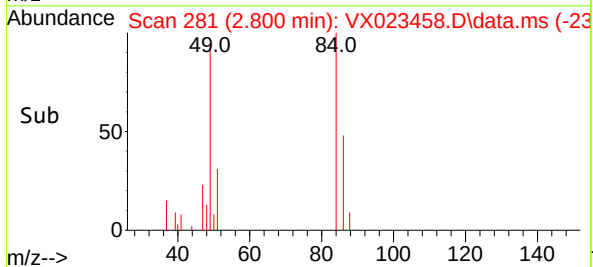
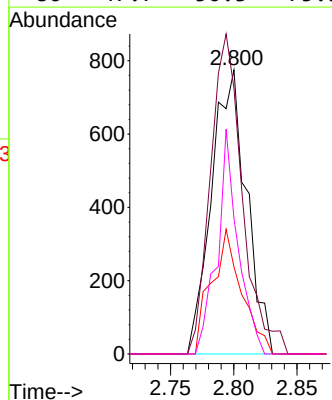
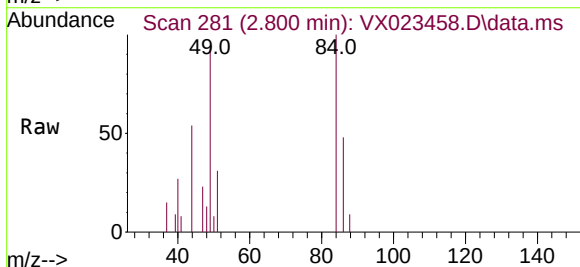
Instrument :
MSVOA_X
ClientSampled :

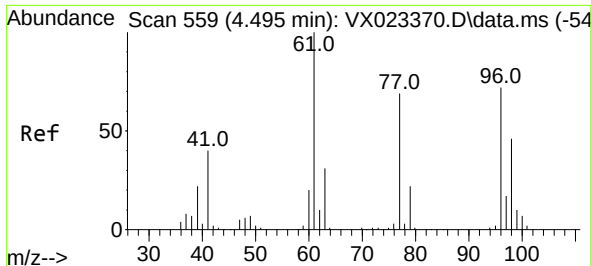
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
58 9.0 27.8 41.8#



#20
Methylene Chloride
Concen: 0.77 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Tgt Ion: 84 Resp: 1490
Ion Ratio Lower Upper
84 100
49 93.5 88.6 132.8
51 30.7 27.0 40.6
86 47.7 50.3 75.5#





#27

cis-1,2-Dichloroethene

Concen: 0.60 ug/l

RT: 4.495 min Scan# 559

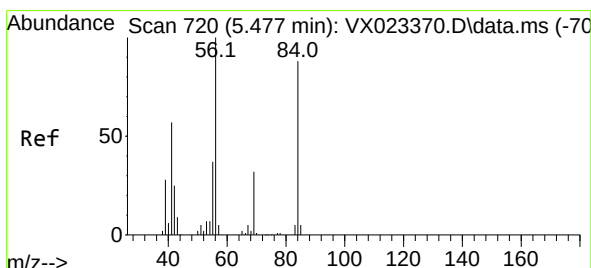
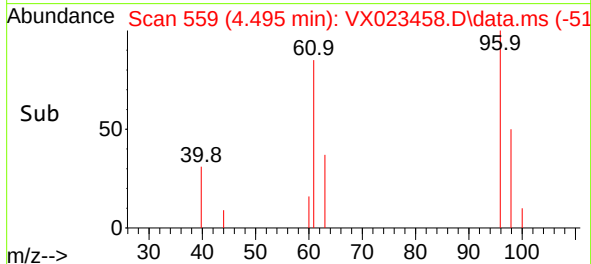
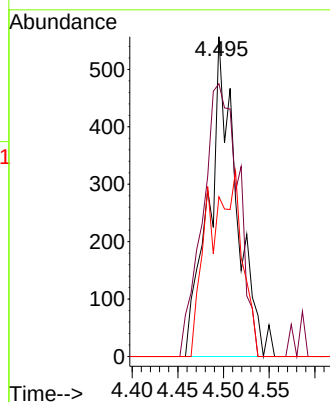
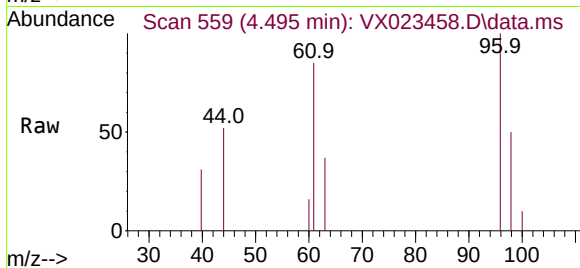
Delta R.T. -0.000 min

Lab File: VX023458.D

Acq: 26 Jul 2021 17:59

Tgt Ion: 96 Resp: 1179

Ion	Ratio	Lower	Upper
96	100		
61	109.3	0.0	285.6
98	23.7	0.0	129.6



#31

Cyclohexane

Concen: 1.28 ug/l

RT: 5.550 min Scan# 732

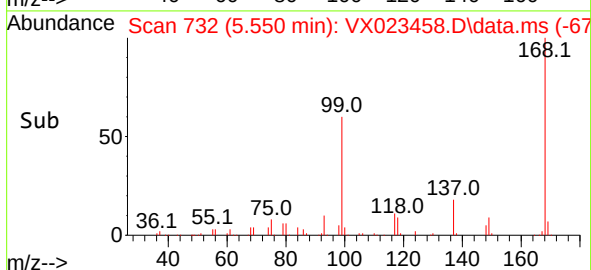
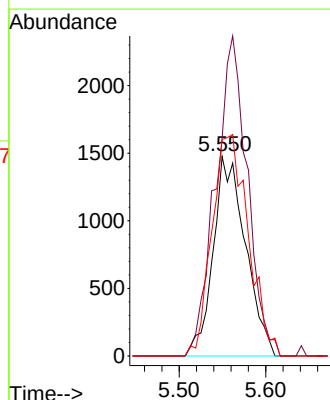
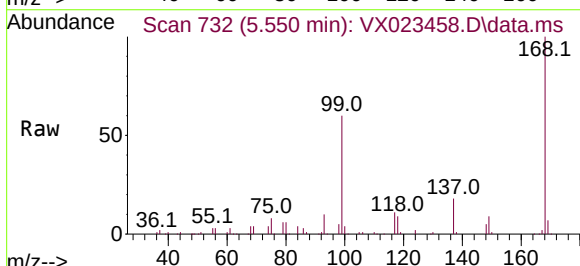
Delta R.T. 0.073 min

Lab File: VX023458.D

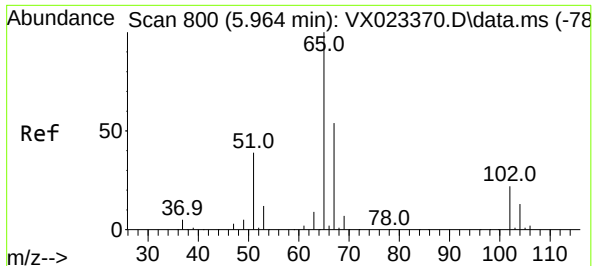
Acq: 26 Jul 2021 17:59

Tgt Ion: 56 Resp: 3831

Ion	Ratio	Lower	Upper
56	100		
69	109.0	25.3	37.9#
84	108.5	71.4	107.0#



Instrument :
MSVOA_X
ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 52.28 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023458.D

Acq: 26 Jul 2021 17:59

Tgt Ion: 65 Resp: 105998

Ion Ratio Lower Upper

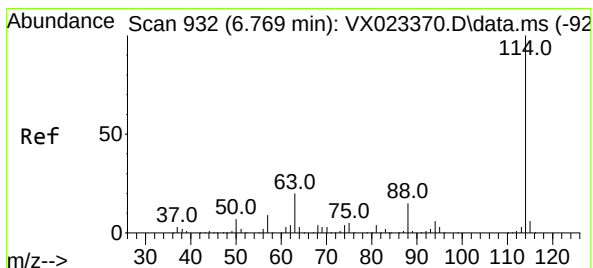
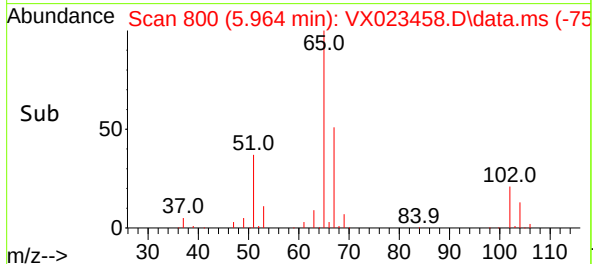
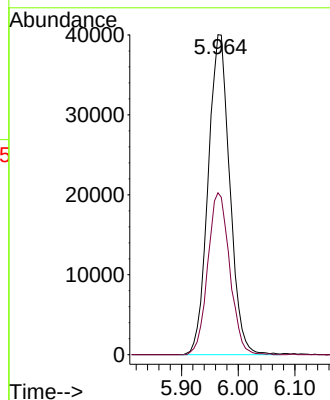
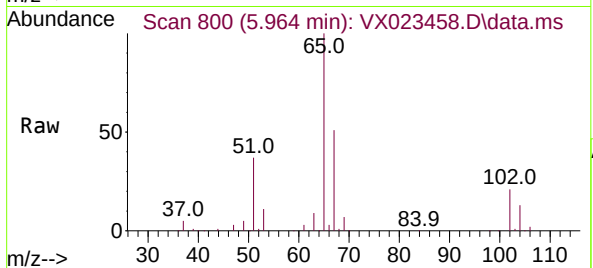
65 100

67 51.3 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023458.D

Acq: 26 Jul 2021 17:59

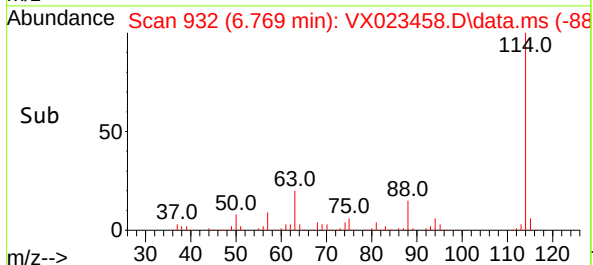
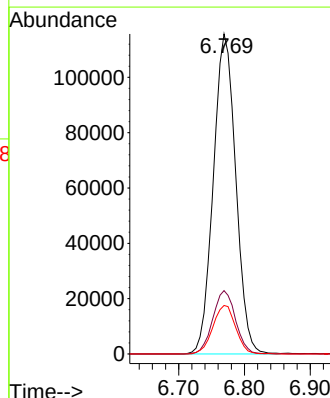
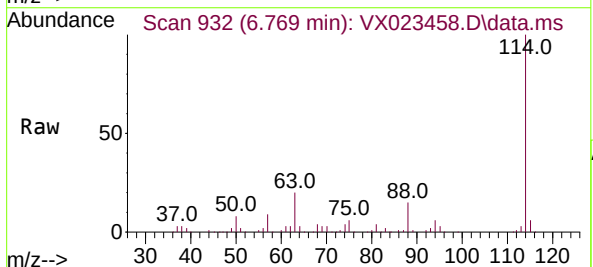
Tgt Ion: 114 Resp: 275018

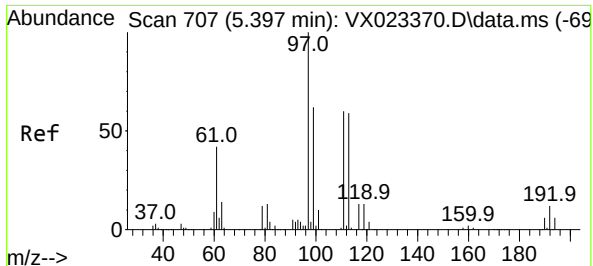
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.01 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023458.D

Acq: 26 Jul 2021 17:59

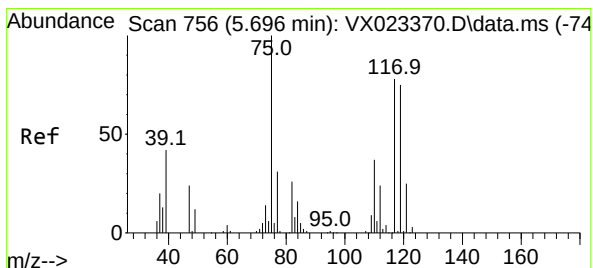
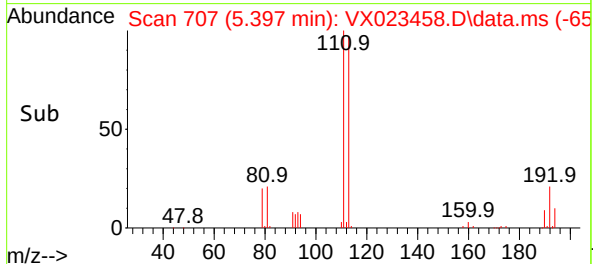
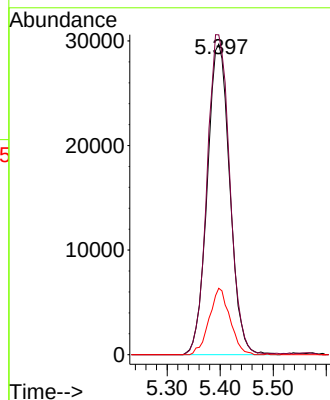
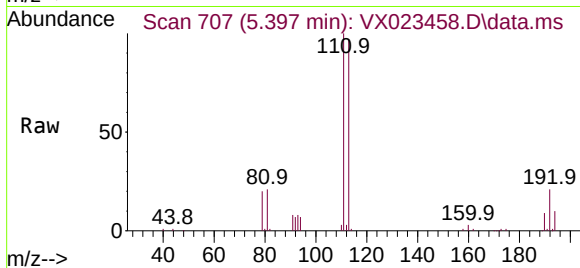
Tgt Ion:113 Resp: 87722

Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.17 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023458.D

Acq: 26 Jul 2021 17:59

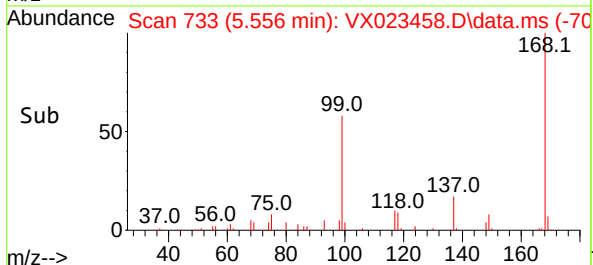
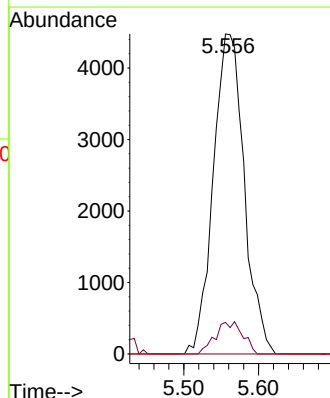
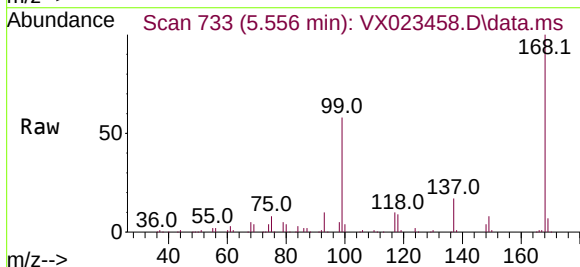
Tgt Ion: 75 Resp: 12863

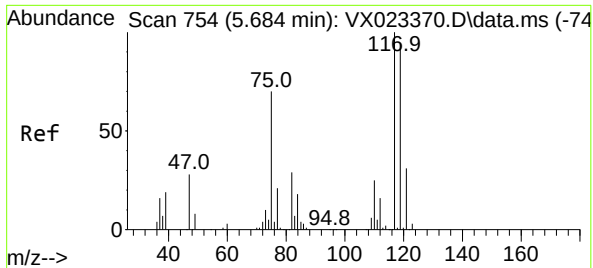
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

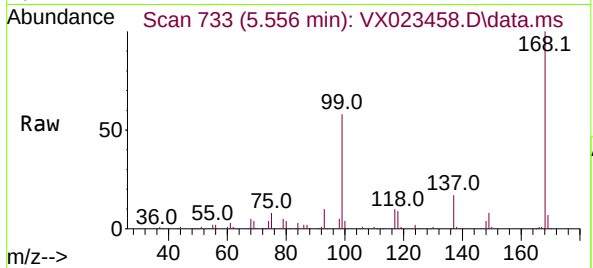
77 0.0 25.3 37.9#



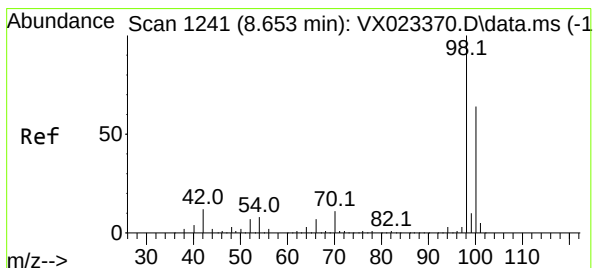
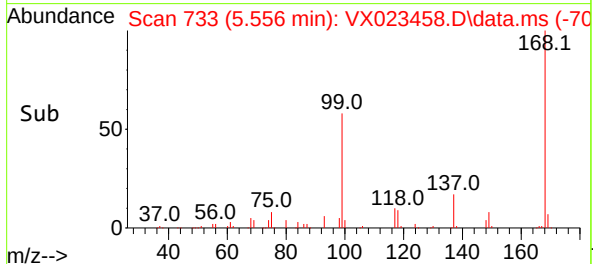
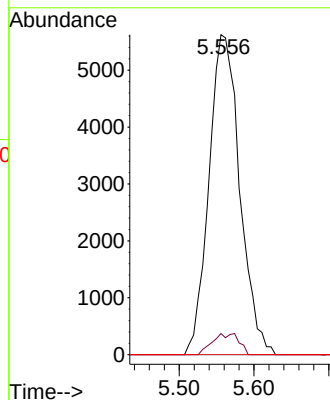


#38
Carbon Tetrachloride
Concen: 6.39 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Instrument :
MSVOA_X
ClientSampleId :

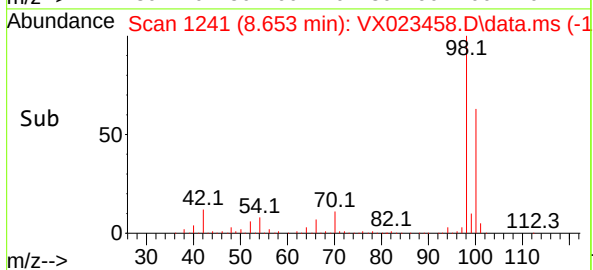
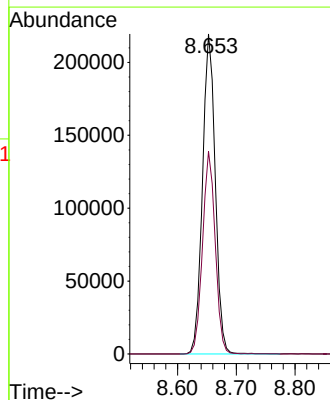
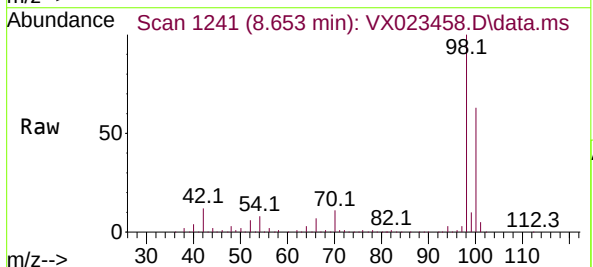


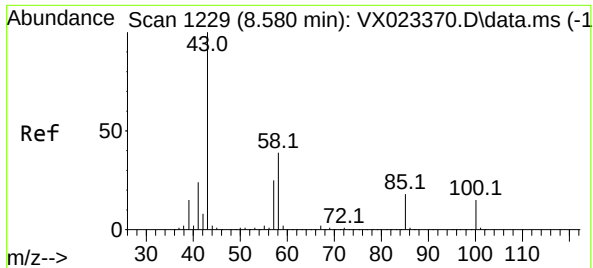
Tgt Ion:117 Resp: 16165
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.50 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Tgt Ion: 98 Resp: 331661
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9

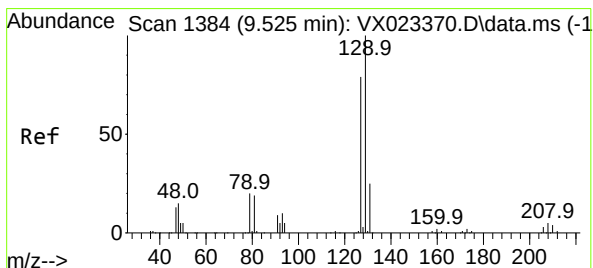
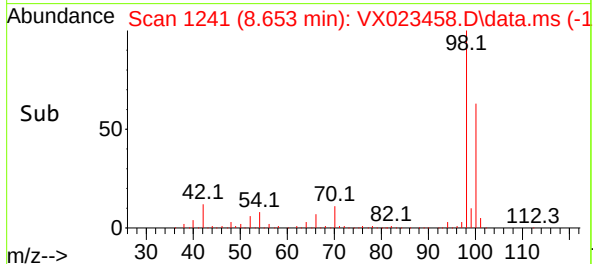
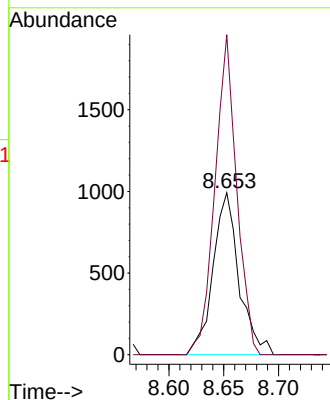
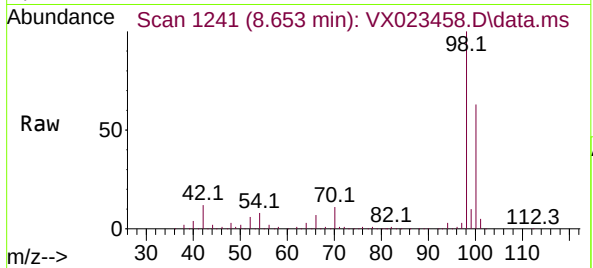




#51
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

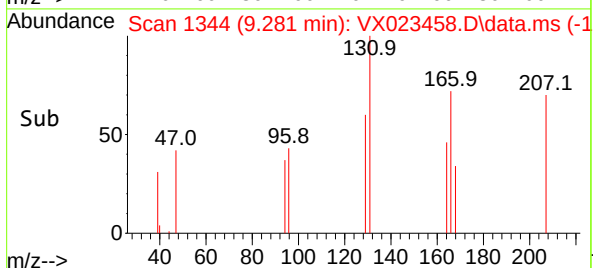
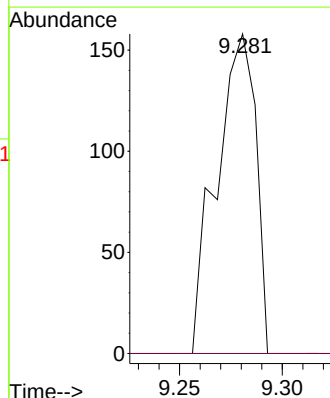
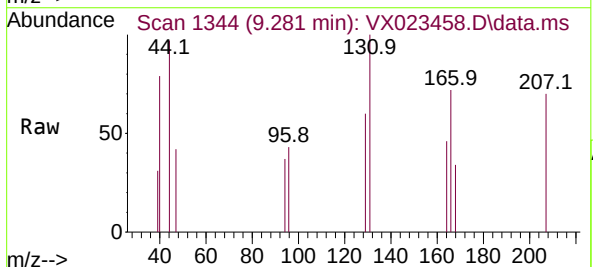
Instrument :
MSVOA_X
ClientSampled :

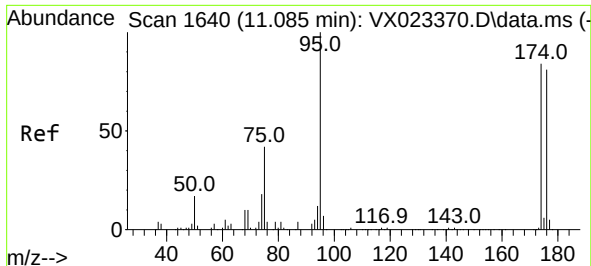
Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
58 165.5 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.08 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Tgt Ion: 129 Resp: 211
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

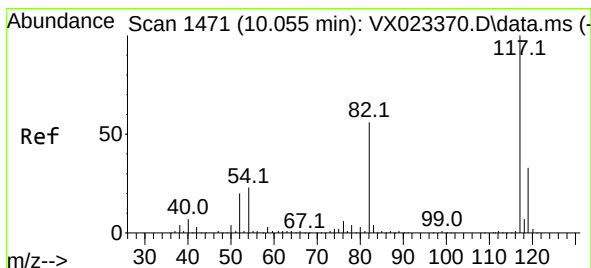
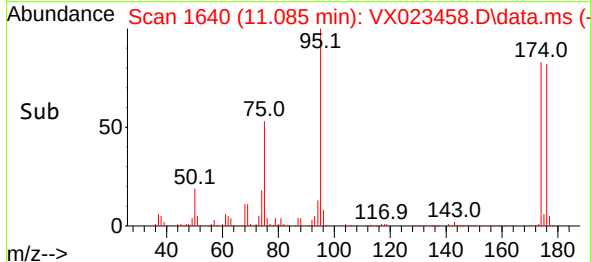
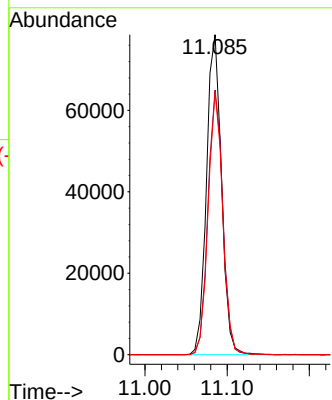
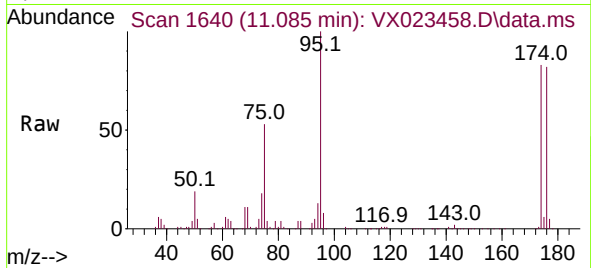




#62
4-Bromofluorobenzene
Concen: 46.33 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

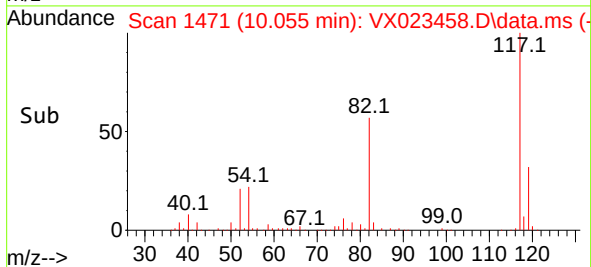
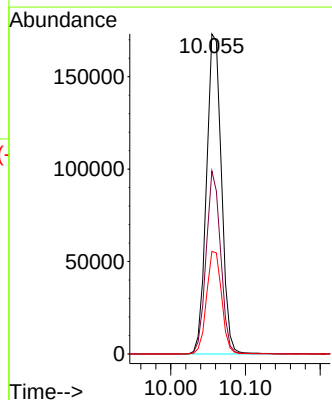
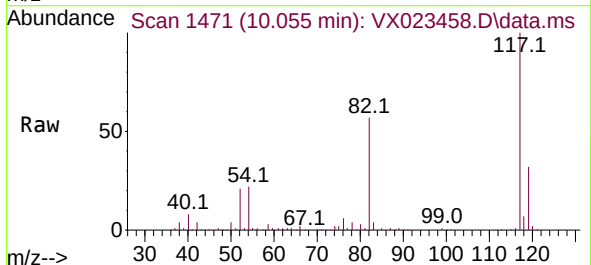
Instrument :
MSVOA_X
ClientSampled :

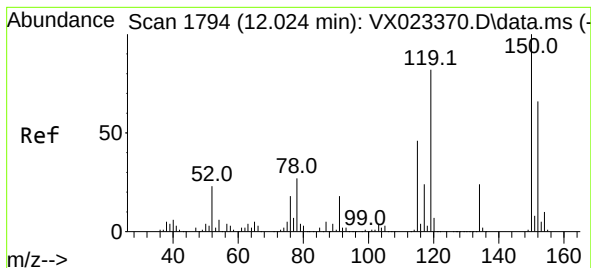
Tgt Ion: 95 Resp: 99535
Ion Ratio Lower Upper
95 100
174 81.9 0.0 154.6
176 79.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023458.D
Acq: 26 Jul 2021 17:59

Tgt Ion: 117 Resp: 240882
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.0 26.6 39.8

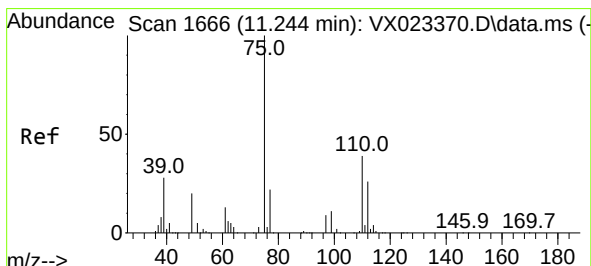
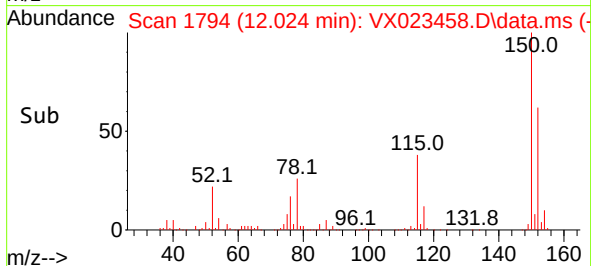
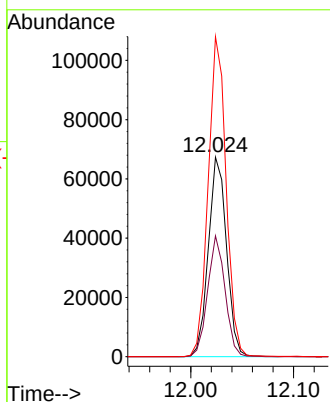
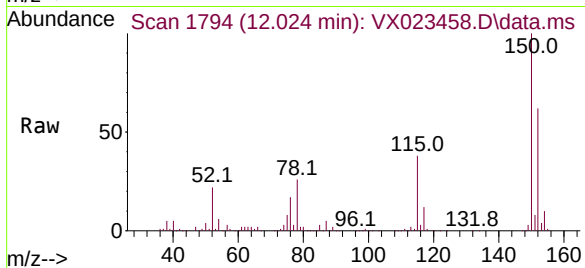




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023458.D
 Acq: 26 Jul 2021 17:59

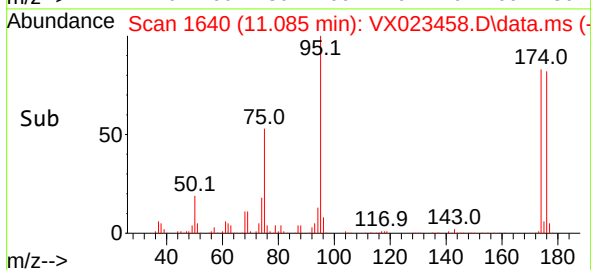
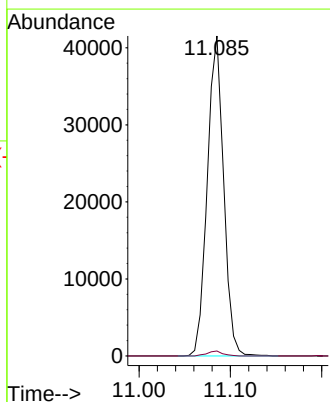
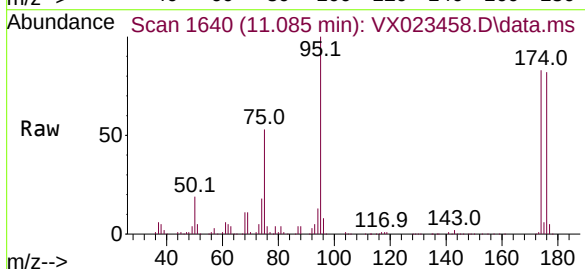
Instrument :
 MSVOA_X
 ClientSampled :

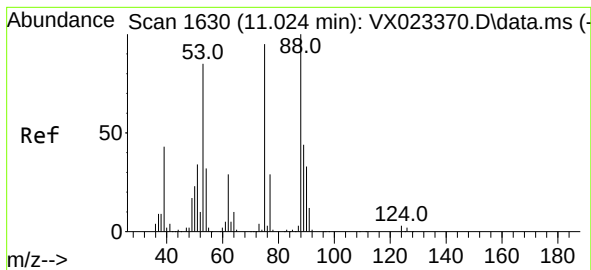
Tgt Ion:152 Resp: 83016
 Ion Ratio Lower Upper
 152 100
 115 57.9 41.1 123.3
 150 158.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.16 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023458.D
 Acq: 26 Jul 2021 17:59

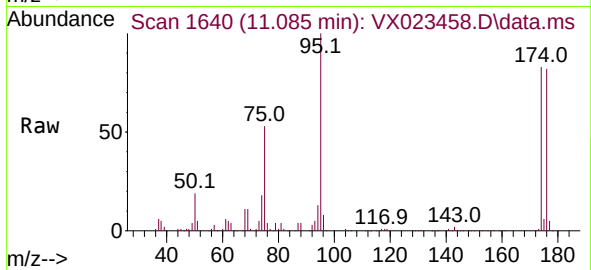
Tgt Ion: 75 Resp: 51443
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.72 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023458.D
 Acq: 26 Jul 2021 17:59

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	51443
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.5	111.7#
89	0.0	37.9	56.9#

