

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023890.D
 Acq On : 20 Aug 2021 20:18
 Operator : JC/MD
 Sample : M3468-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

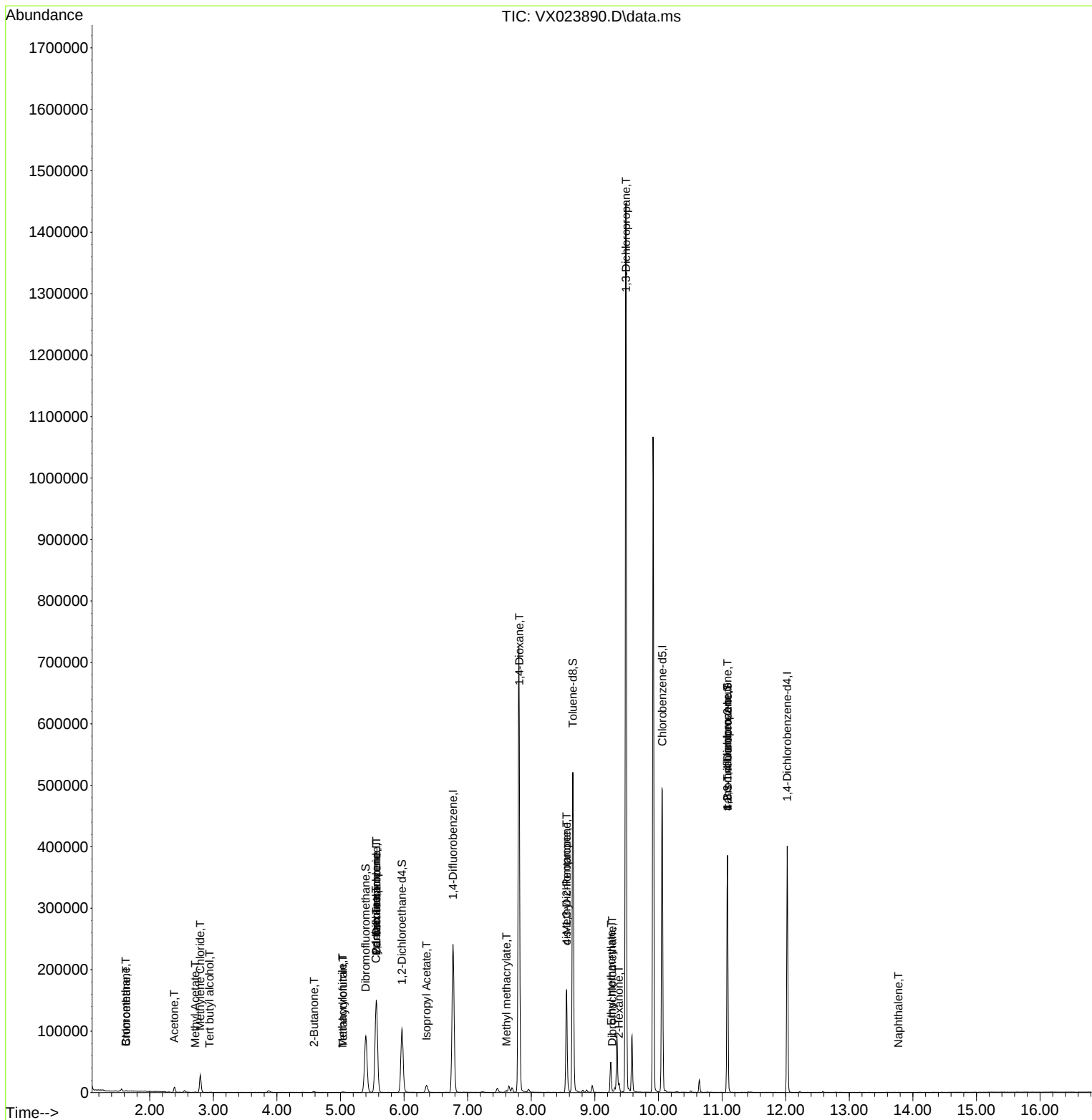
Quant Time: Aug 21 01:15:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

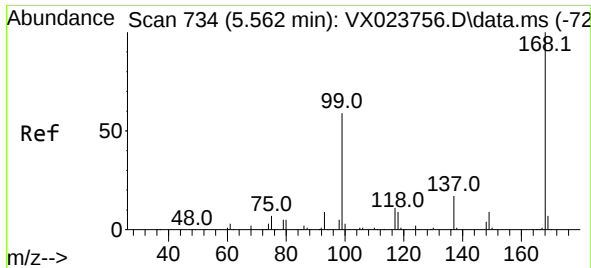
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	139403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	234427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	223025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100764	51.790	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.580%		
35) Dibromofluoromethane	5.397	113	77972	50.252	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.500%		
50) Toluene-d8	8.653	98	297897	50.444	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.880%		
62) 4-Bromofluorobenzene	11.085	95	94879	43.643	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 87.280%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	467	0.472	ug/l #	68
6) Chloroethane	1.630	64	266	2.411	ug/l #	43
11) Tert butyl alcohol	2.941	59	270	0.686	ug/l #	73
16) Acetone	2.386	43	8969	10.310	ug/l #	75
18) Methyl Acetate	2.715	43	809	0.373	ug/l #	82
20) Methylene Chloride	2.794	84	11547	6.949	ug/l #	80
25) 2-Butanone	4.587	43	1606	1.219	ug/l	90
29) Tetrahydrofuran	5.038	42	616	0.722	ug/l #	59
31) Cyclohexane	5.556	56	3393	1.357	ug/l #	44
36) 1,1-Dichloropropene	5.562	75	11344	5.225	ug/l #	47
38) Carbon Tetrachloride	5.562	117	14171	6.260	ug/l #	15
41) Methacrylonitrile	5.032	41	329	0.227	ug/l #	43
43) Isopropyl Acetate	6.355	43	15509	3.715	ug/l #	93
48) Methyl methacrylate	7.610	41	4194	2.060	ug/l #	10
49) 1,4-Dioxane	7.812	88	99	2.300	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60165	22.298	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	24706	9.501	ug/l #	74
56) Ethyl methacrylate	9.256	69	247	0.843	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	11916	4.195	ug/l #	42
59) 2-Hexanone	9.378	43	8447	4.073	ug/l #	19
60) Dibromochloromethane	9.275	129	19	1.698	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	51172	28.099	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51172	82.654	ug/l #	12
95) Naphthalene	13.774	128	131	1.305	ug/l #	69

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

Quant Time: Aug 21 01:15:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

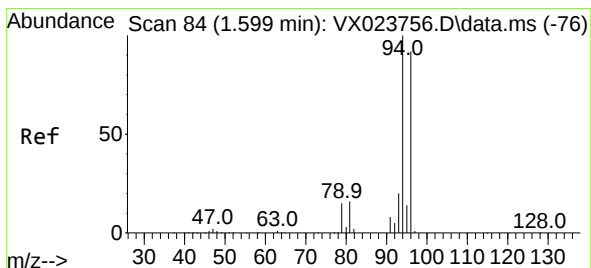
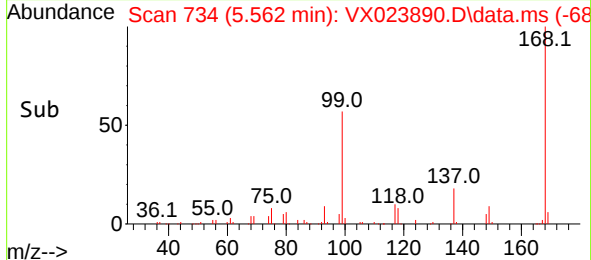
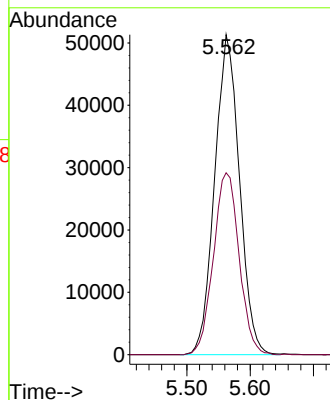
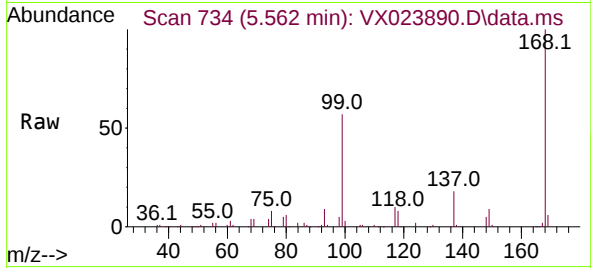




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

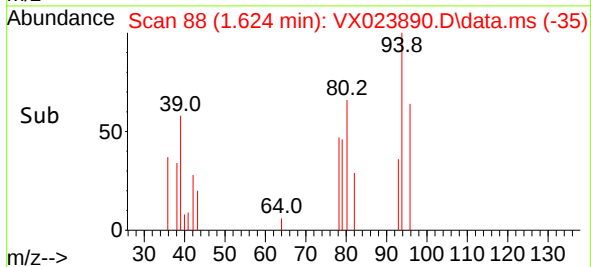
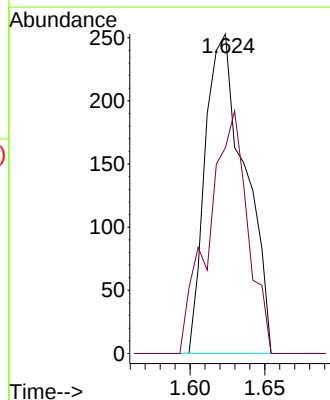
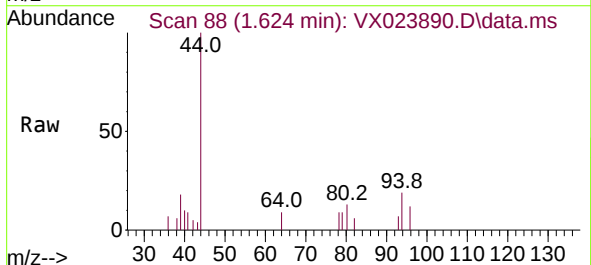
Instrument :
MSVOA_X
ClientSampleId :

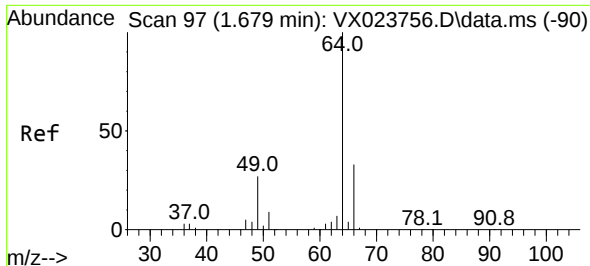
Tgt Ion:168 Resp: 139403
Ion Ratio Lower Upper
168 100
99 56.8 45.8 68.6



#5
Bromomethane
Concen: 0.472 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 64.4 76.4 114.6#

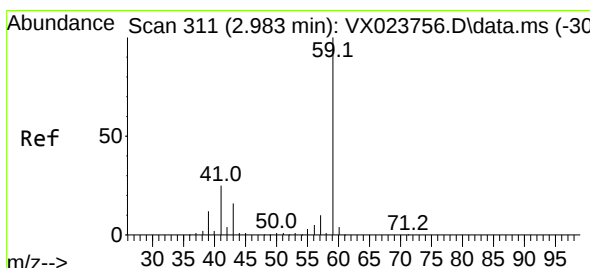
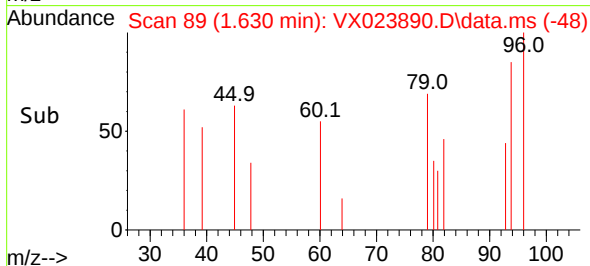
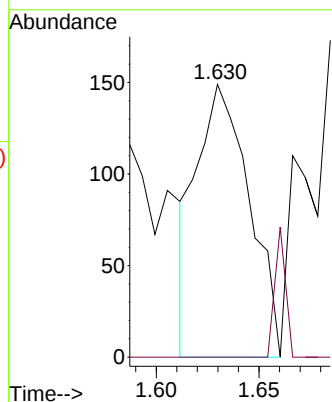
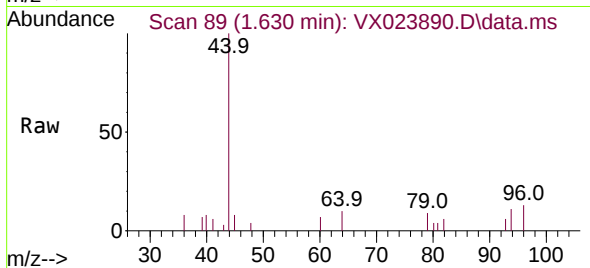




#6
Chloroethane
Concen: 2.411 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.049 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

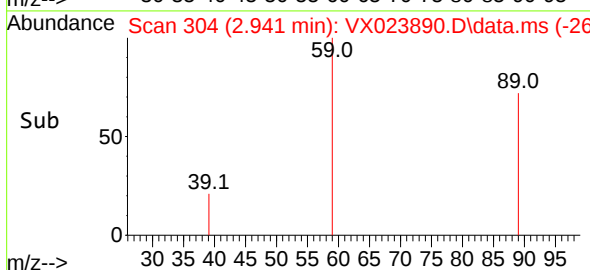
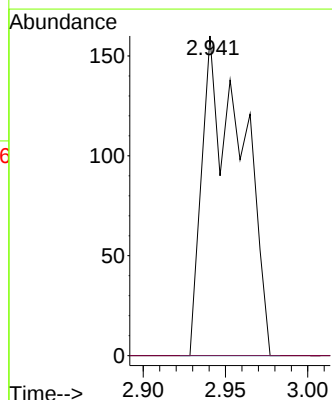
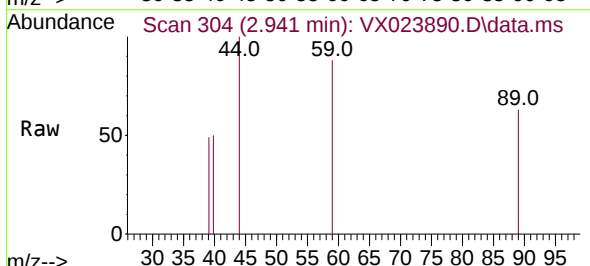
Instrument :
MSVOA_X
ClientSampled :

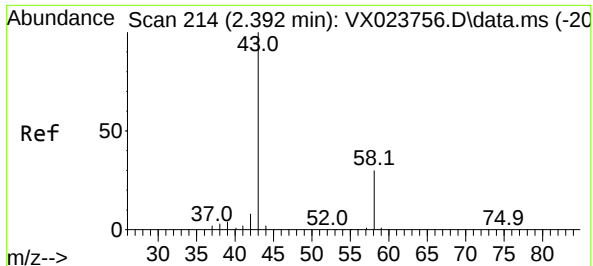
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.686 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

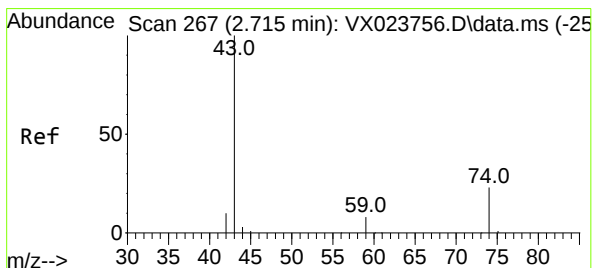
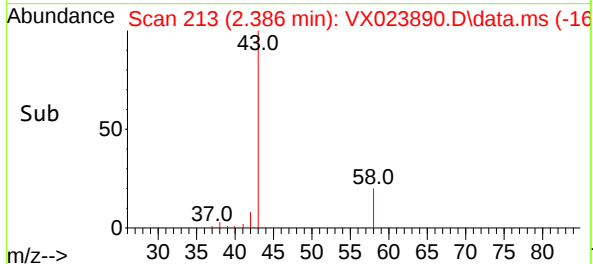
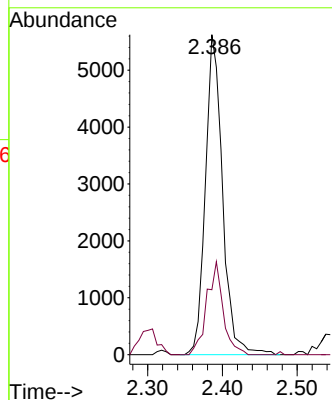
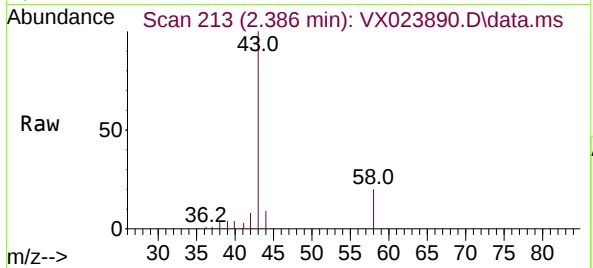




#16
Acetone
Concen: 10.310 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

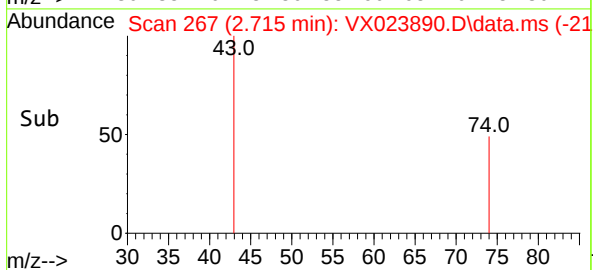
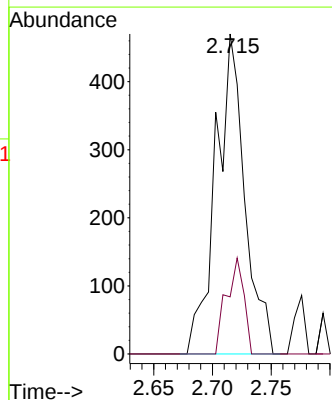
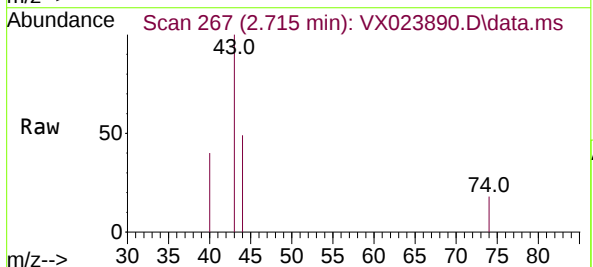
Instrument :
MSVOA_X
ClientSampled :

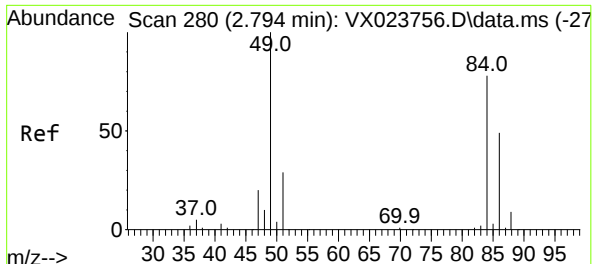
Tgt Ion: 43 Resp: 8969
Ion Ratio Lower Upper
43 100
58 20.3 27.8 41.8#



#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
74 18.0 21.9 32.9#





#20

Methylene Chloride

Concen: 6.949 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023890.D

Acq: 20 Aug 2021 20:18

Tgt Ion: 84 Resp: 11547

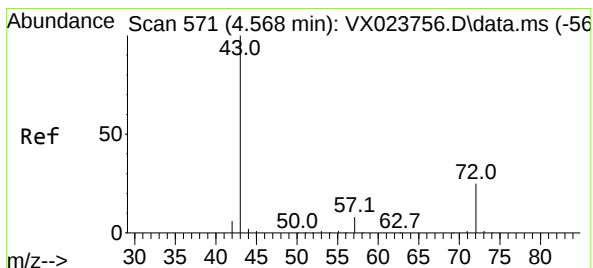
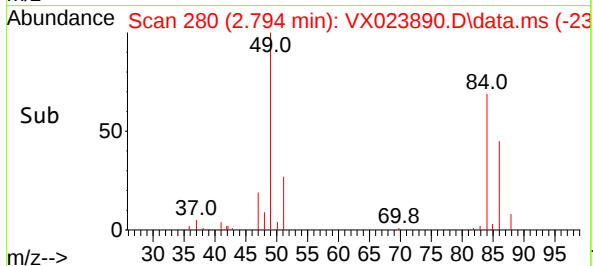
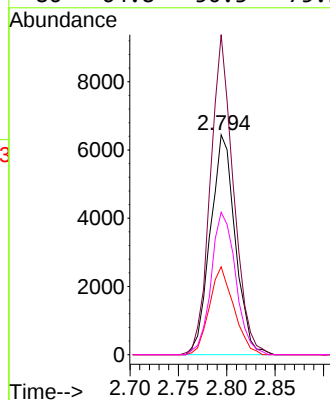
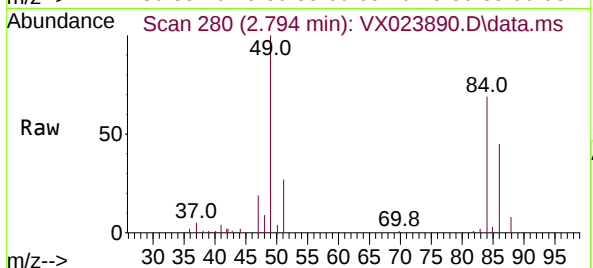
Ion Ratio Lower Upper

84 100

49 145.5 88.6 132.8#

51 40.0 27.0 40.6

86 64.8 50.3 75.5



#25

2-Butanone

Concen: 1.219 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX023890.D

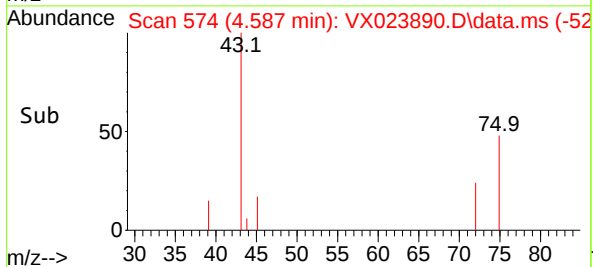
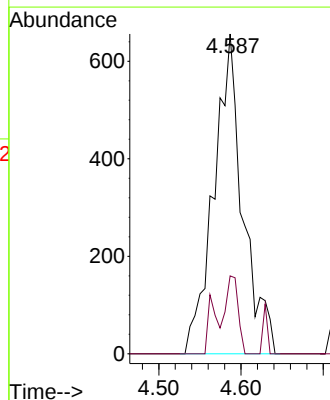
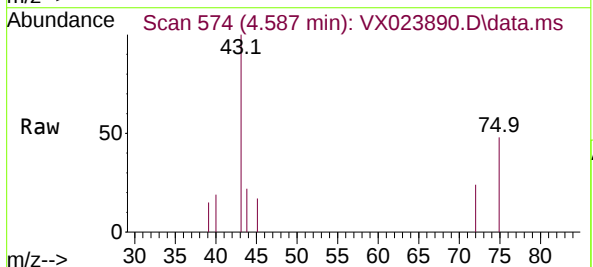
Acq: 20 Aug 2021 20:18

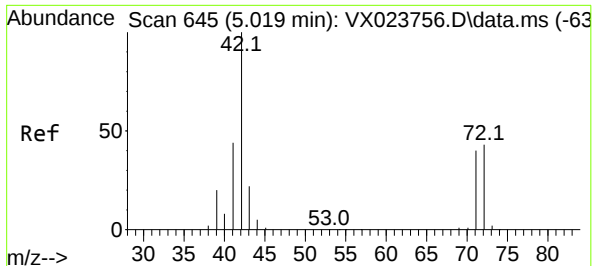
Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

43 100

72 24.4 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.722 ug/l

RT: 5.038 min Scan# 648

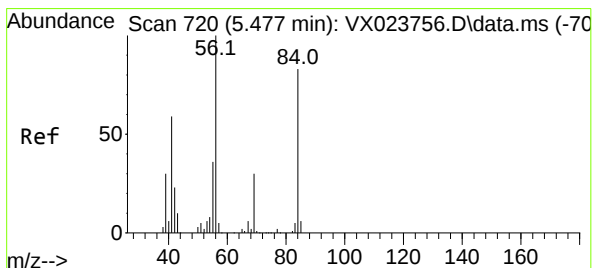
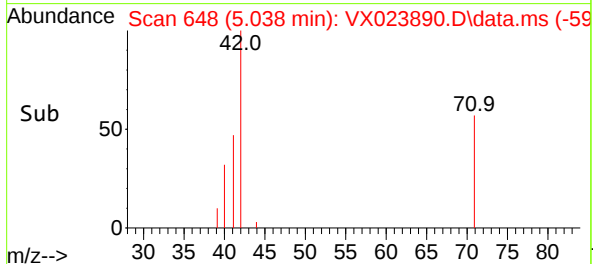
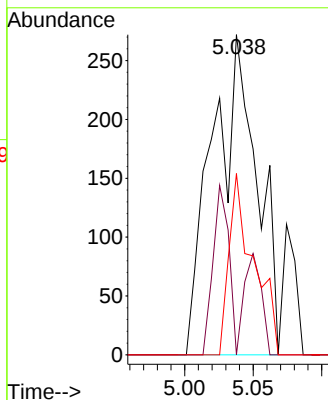
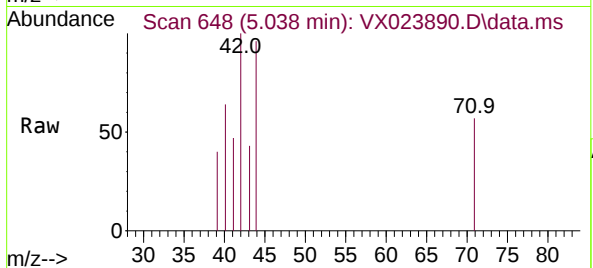
Delta R.T. 0.019 min

Lab File: VX023890.D

Acq: 20 Aug 2021 20:18

Tgt Ion:	42	Resp:	616
Ion	Ratio	Lower	Upper
42	100		
72	12.2	41.7	62.5#
71	31.3	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.357 ug/l

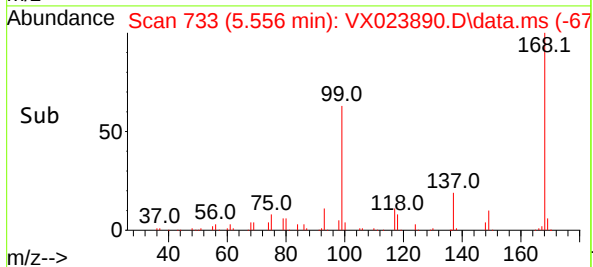
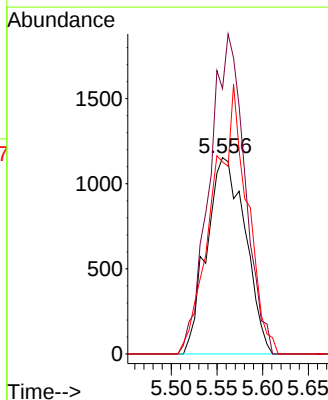
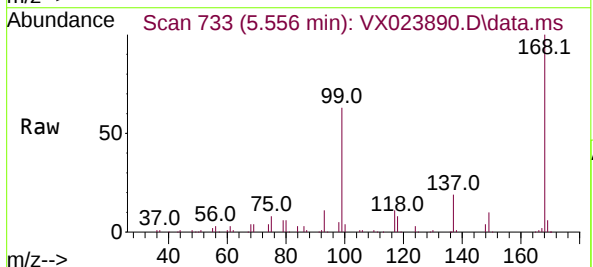
RT: 5.556 min Scan# 733

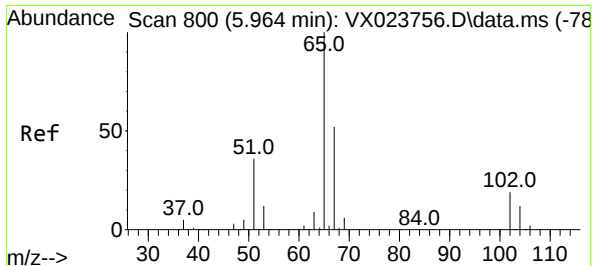
Delta R.T. 0.079 min

Lab File: VX023890.D

Acq: 20 Aug 2021 20:18

Tgt Ion:	56	Resp:	3393
Ion	Ratio	Lower	Upper
56	100		
69	135.1	25.3	37.9#
84	97.7	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 51.790 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023890.D

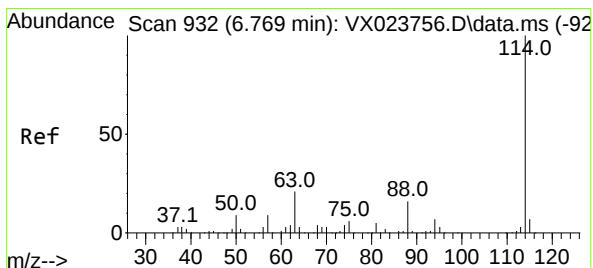
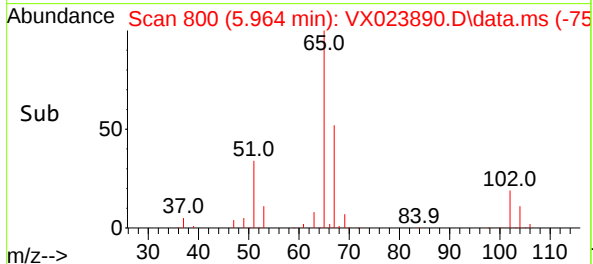
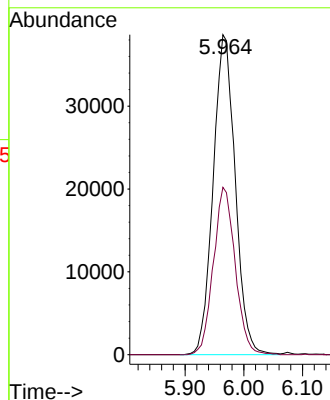
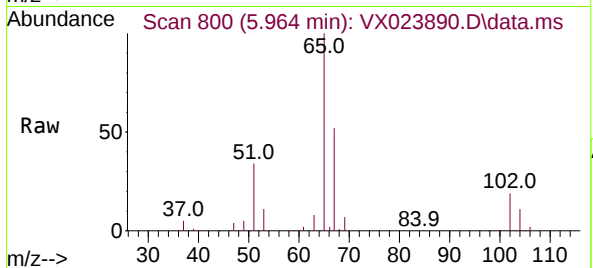
Acq: 20 Aug 2021 20:18

Tgt Ion: 65 Resp: 100764

Ion Ratio Lower Upper

65 100

67 51.7 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: VX023890.D

Acq: 20 Aug 2021 20:18

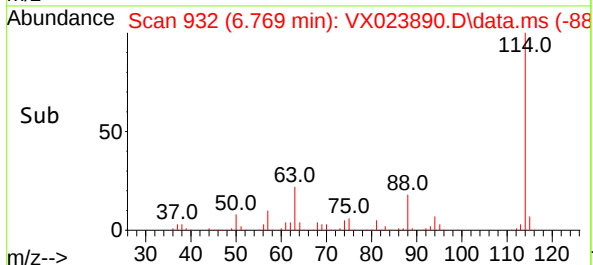
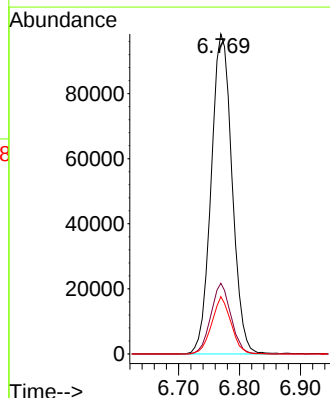
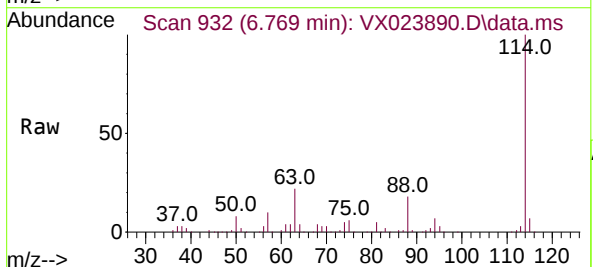
Tgt Ion: 114 Resp: 234427

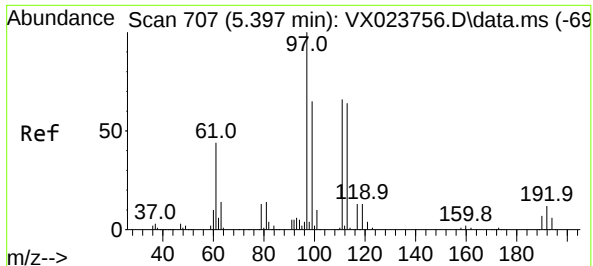
Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.8

88 17.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.252 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023890.D

Acq: 20 Aug 2021 20:18

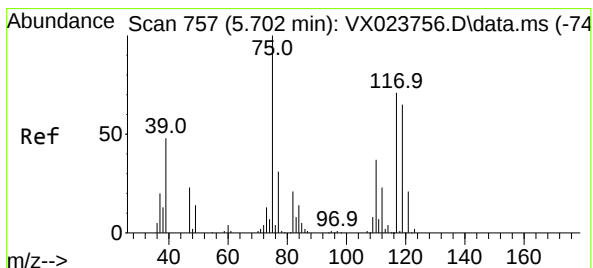
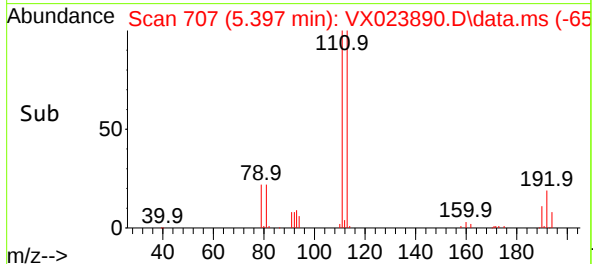
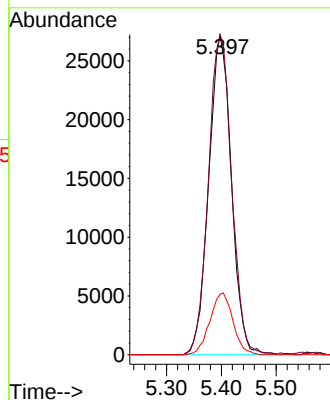
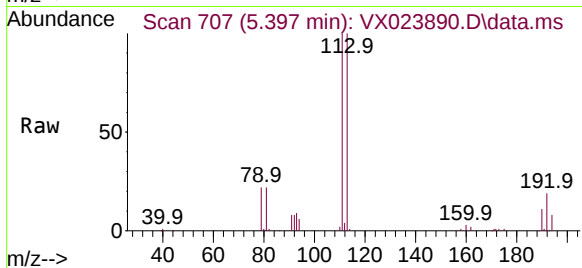
Tgt Ion:113 Resp: 77972

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.225 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023890.D

Acq: 20 Aug 2021 20:18

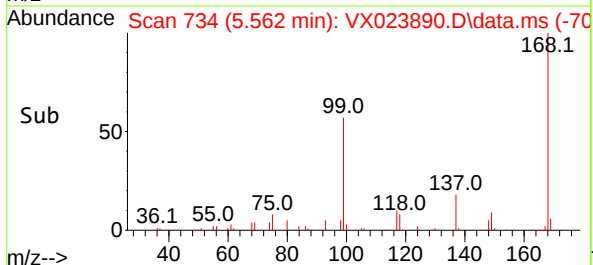
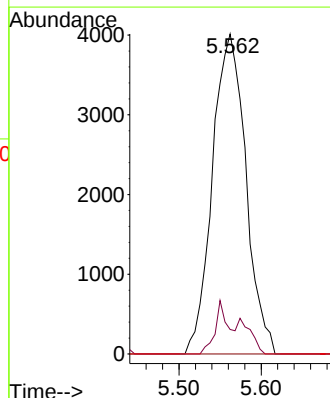
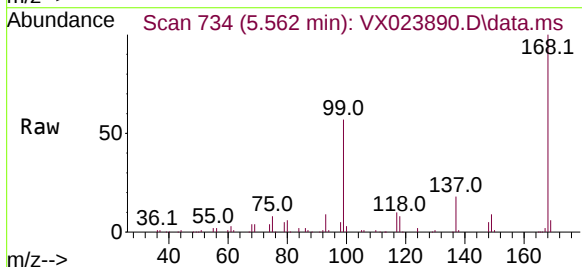
Tgt Ion: 75 Resp: 11344

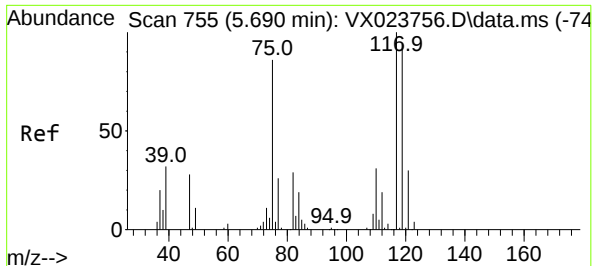
Ion Ratio Lower Upper

75 100

110 6.9 18.1 54.4#

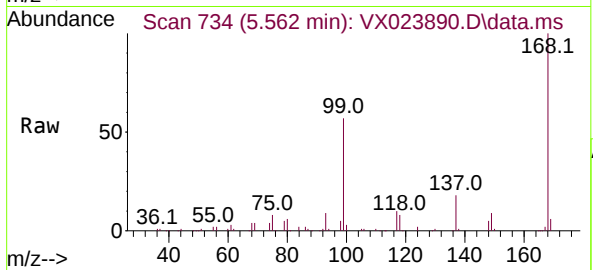
77 0.0 25.3 37.9#



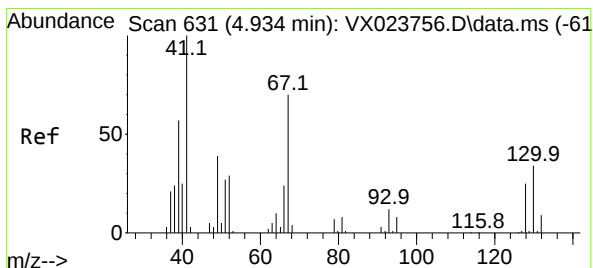
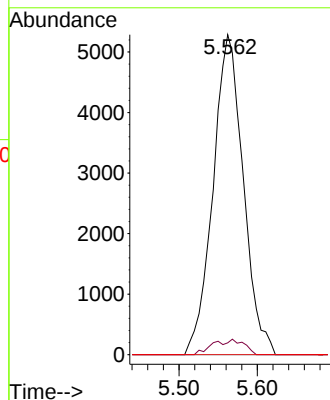
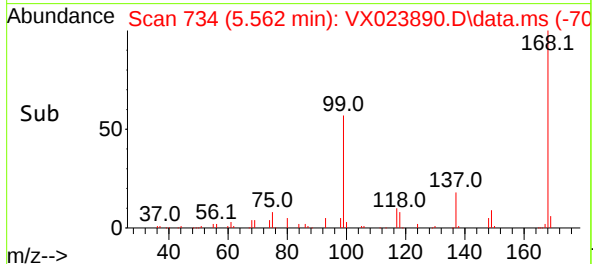


#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

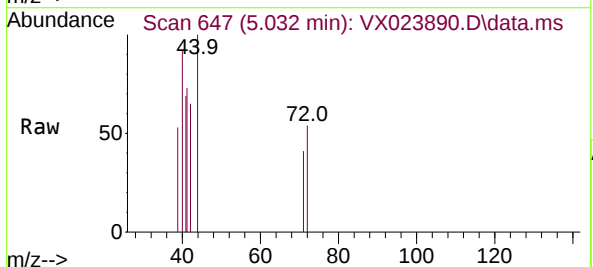
Instrument :
MSVOA_X
ClientSampled :



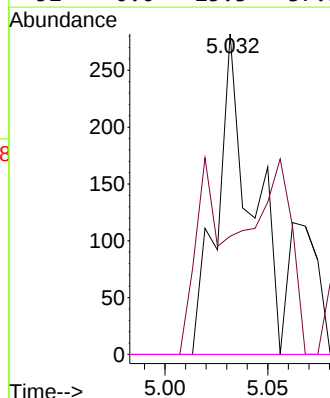
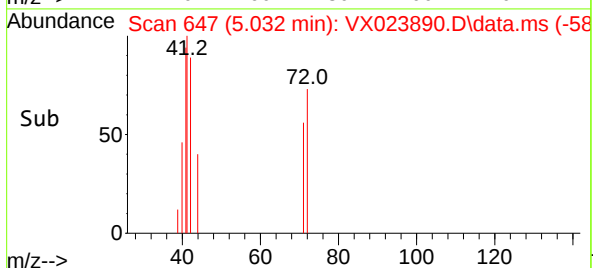
Tgt Ion:117 Resp: 14171
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#

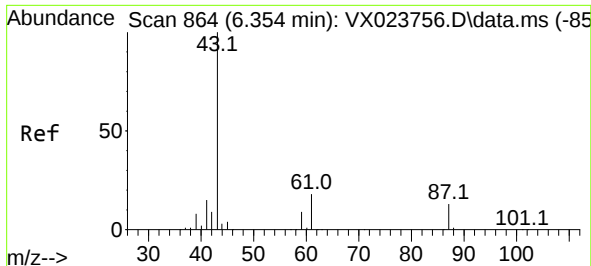


#41
Methacrylonitrile
Concen: 0.227 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.098 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18



Tgt Ion: 41 Resp: 329
Ion Ratio Lower Upper
41 100
39 49.8 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

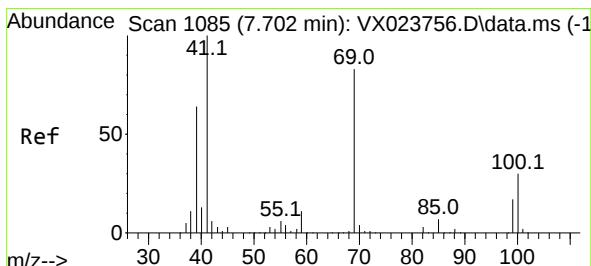
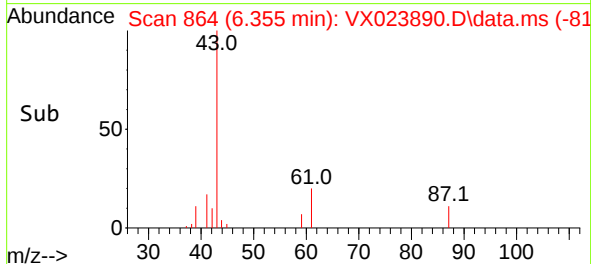
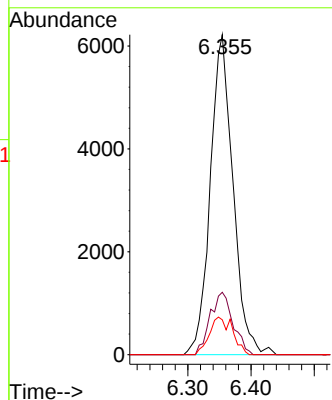
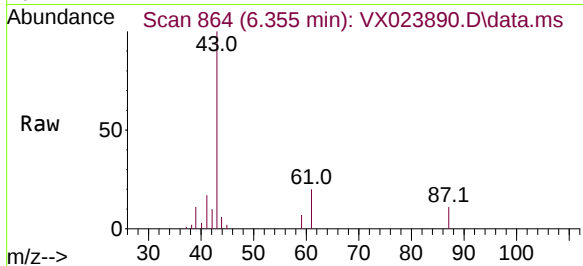




#43
Isopropyl Acetate
Concen: 3.715 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

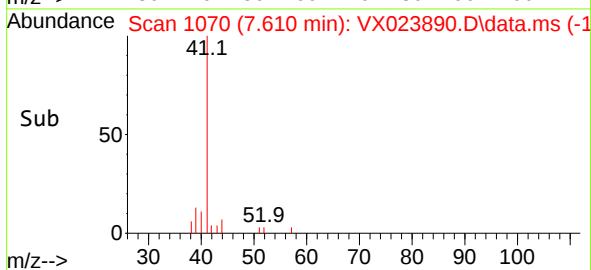
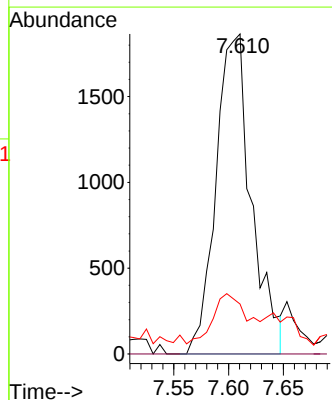
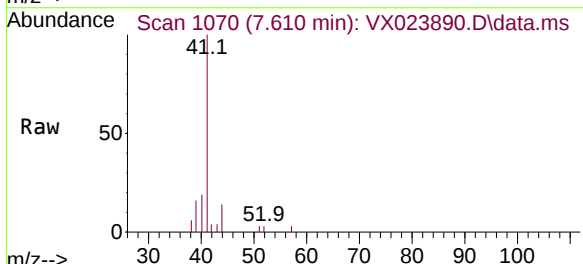
Instrument :
MSVOA_X
ClientSampled :

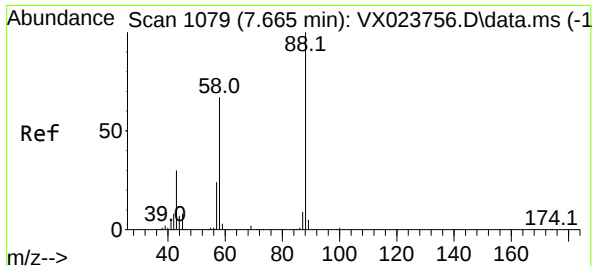
Tgt Ion: 43 Resp: 15509
Ion Ratio Lower Upper
43 100
61 19.6 18.2 27.4
87 12.0 12.5 18.7#



#48
Methyl methacrylate
Concen: 2.060 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.092 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 41 Resp: 4194
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

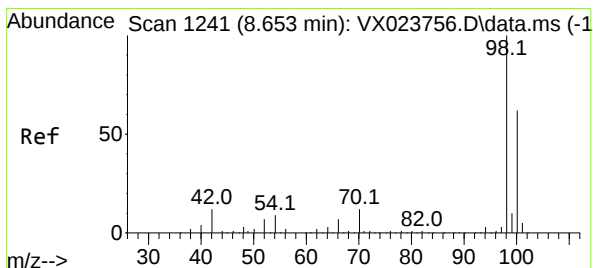
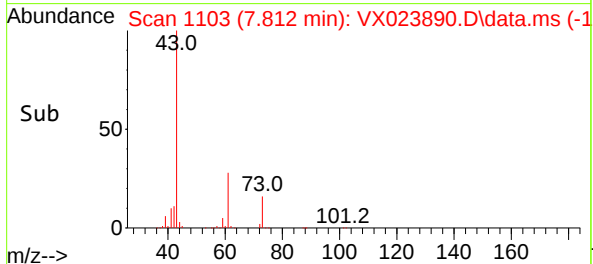
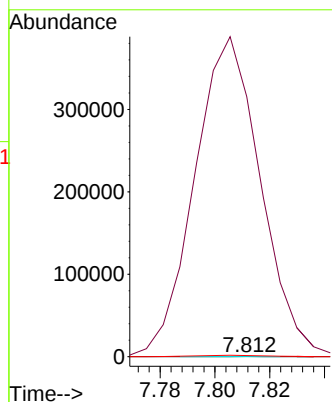
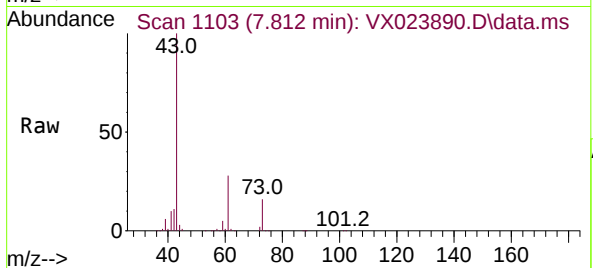




#49
1,4-Dioxane
Concen: 2.300 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

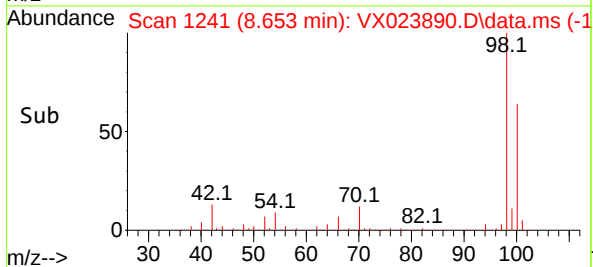
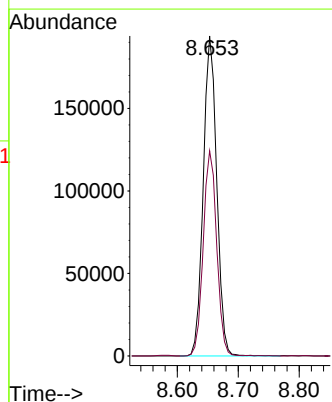
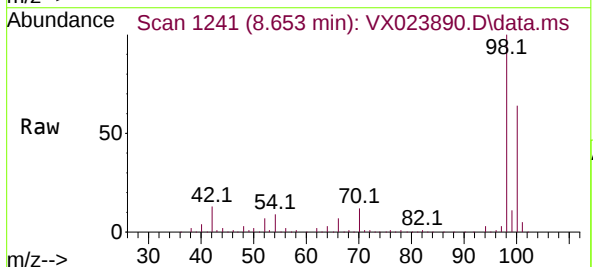
Instrument :
MSVOA_X
ClientSampled :

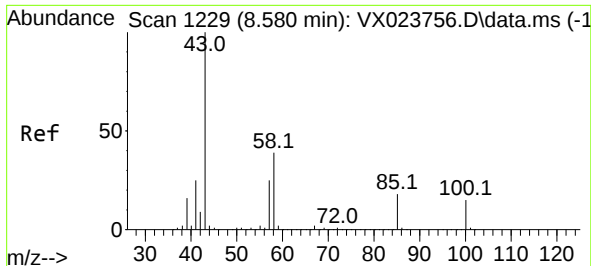
Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 661951.5 23.2 34.8#
58 3128.3 55.0 82.4#



#50
Toluene-d8
Concen: 50.444 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 98 Resp: 297897
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

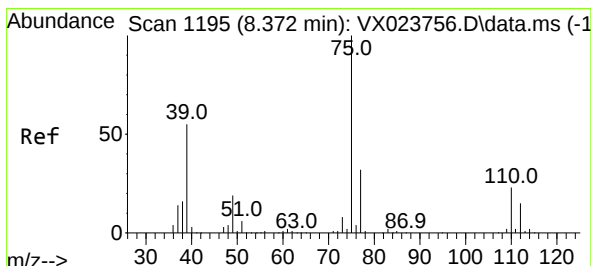
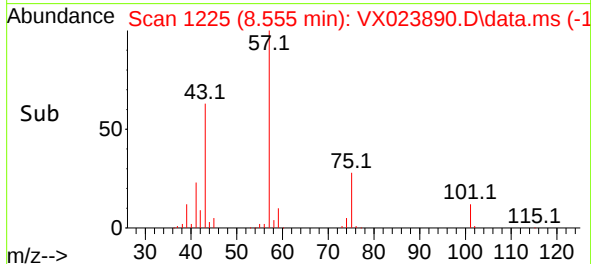
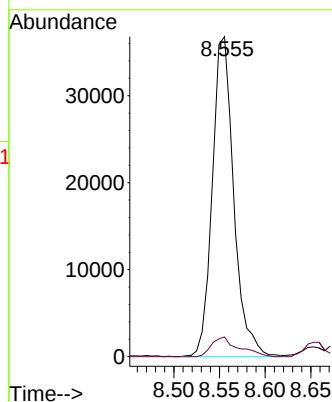
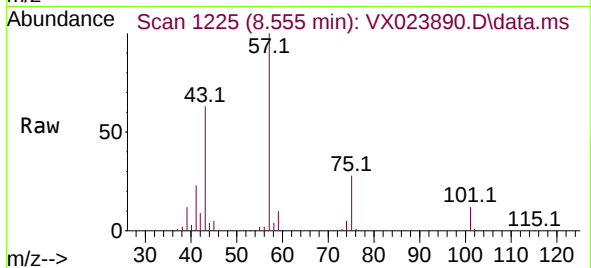




#51
4-Methyl-2-Pentanone
Concen: 22.298 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

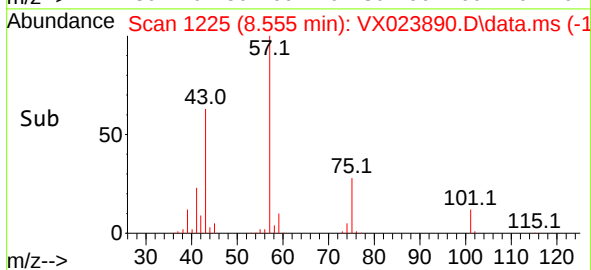
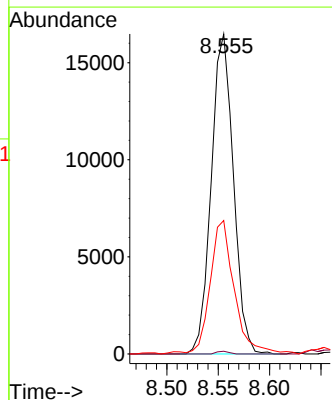
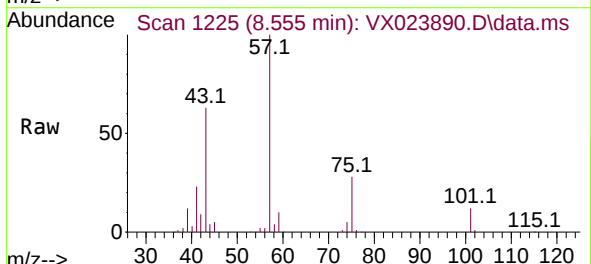
Instrument :
MSVOA_X
ClientSampled :

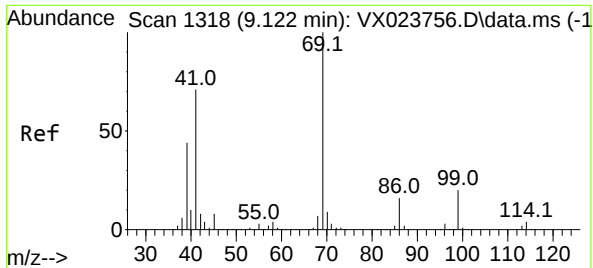
Tgt Ion: 43 Resp: 60165
Ion Ratio Lower Upper
43 100
58 7.7 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.501 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 75 Resp: 24706
Ion Ratio Lower Upper
75 100
77 0.9 25.7 38.5#
39 41.1 35.1 52.7

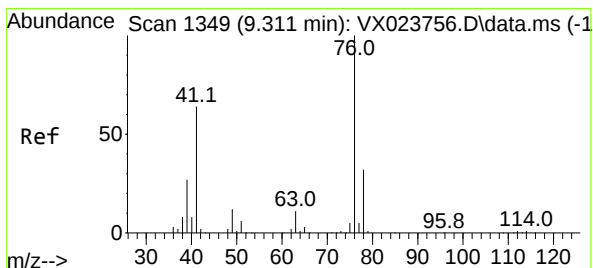
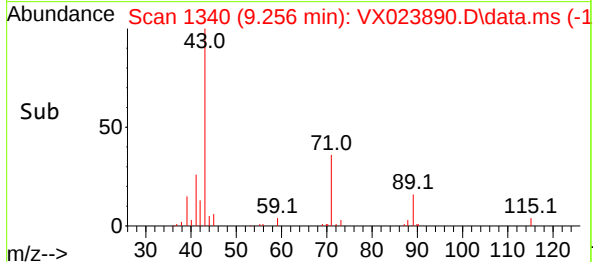
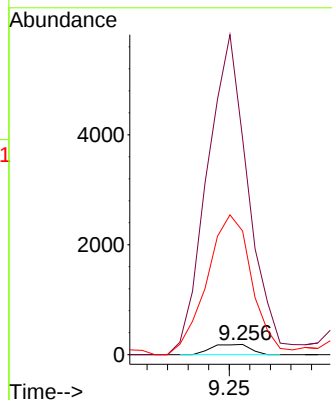
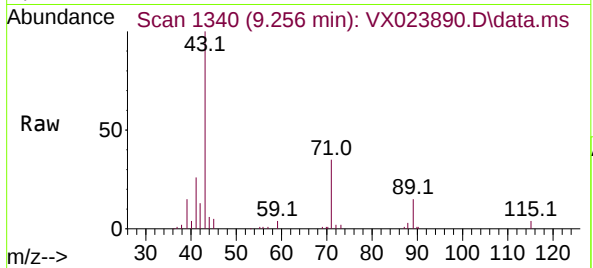




#56
Ethyl methacrylate
Concen: 0.843 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.134 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

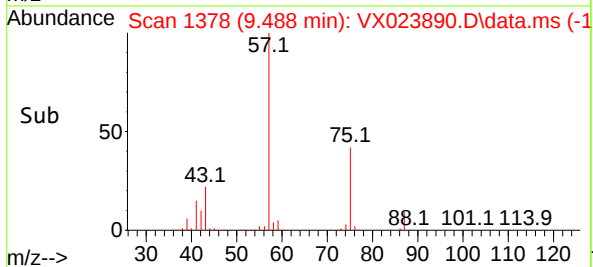
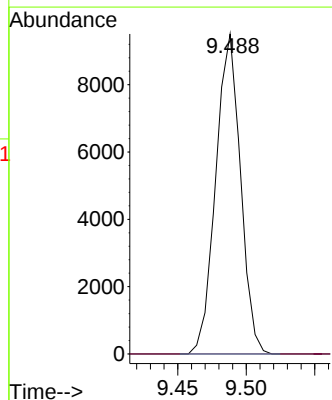
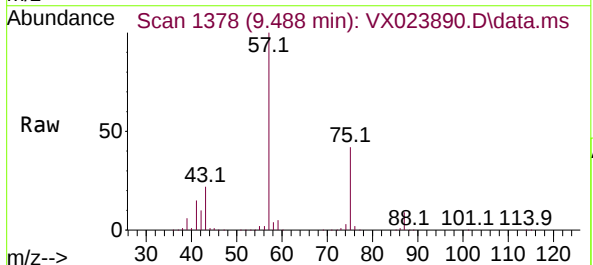
Instrument :
MSVOA_X
ClientSampled :

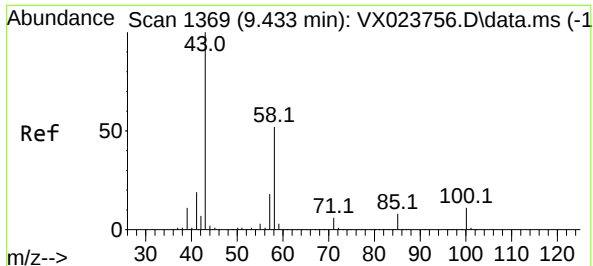
Tgt Ion: 69 Resp: 247
Ion Ratio Lower Upper
69 100
41 3308.5 46.8 70.2#
39 1571.7 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 4.195 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 76 Resp: 11916
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

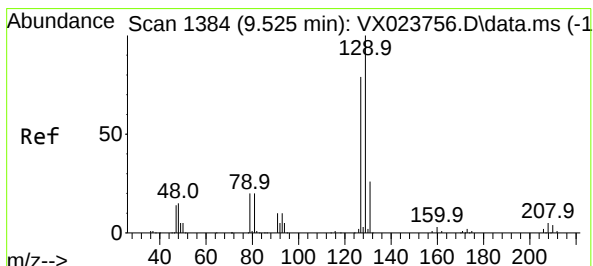
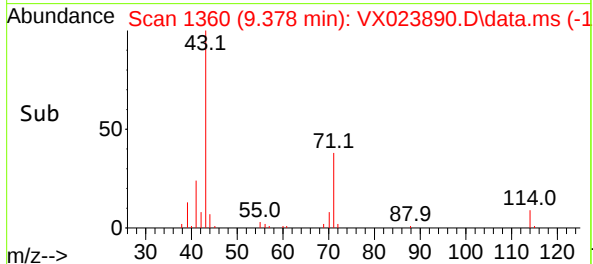
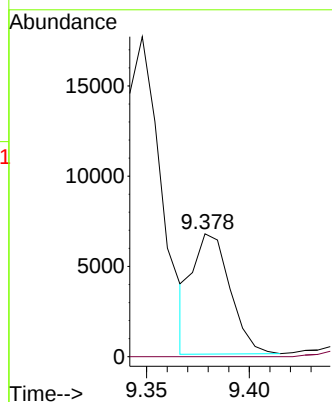
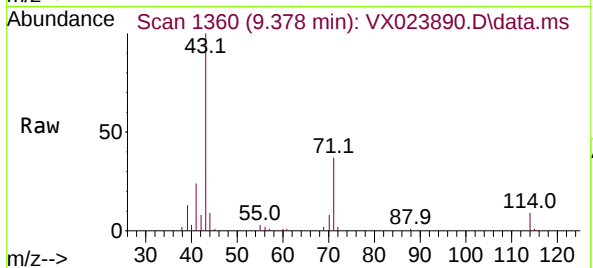




#59
2-Hexanone
Concen: 4.073 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

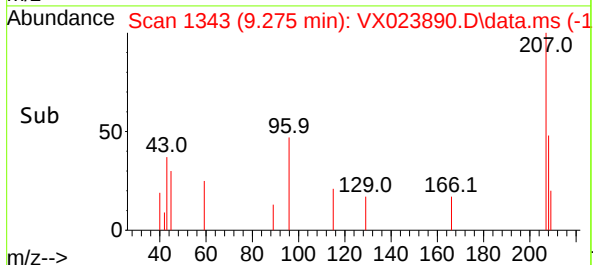
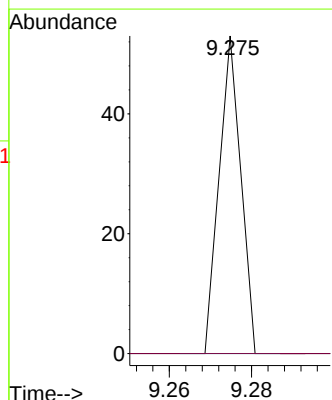
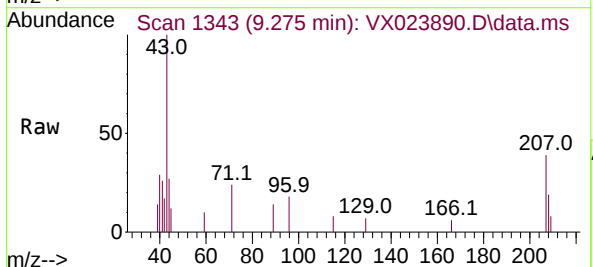
Instrument :
MSVOA_X
ClientSampled :

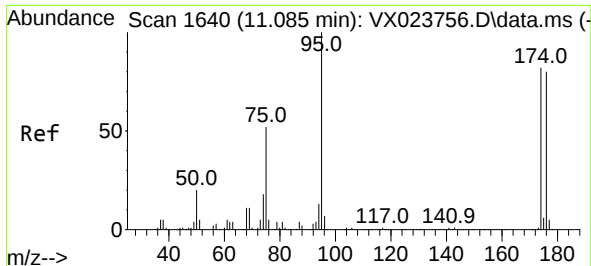
Tgt Ion: 43 Resp: 8447
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#60
Dibromochloromethane
Concen: 1.698 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 129 Resp: 19
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

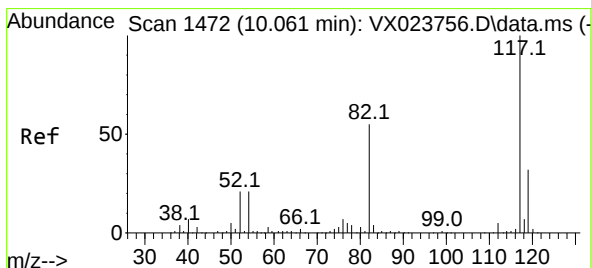
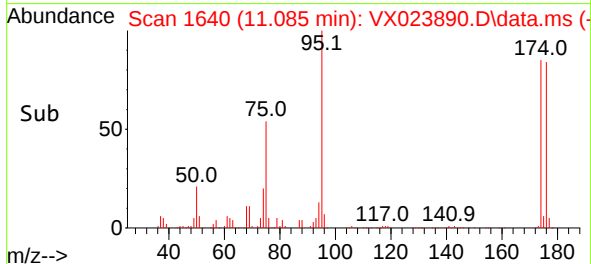
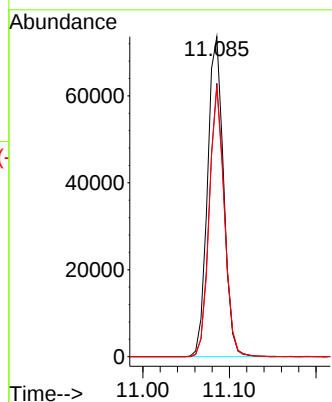
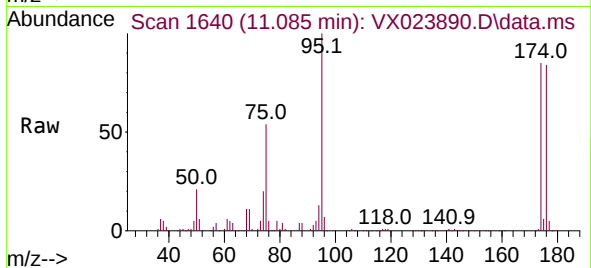




#62
4-Bromofluorobenzene
Concen: 43.643 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

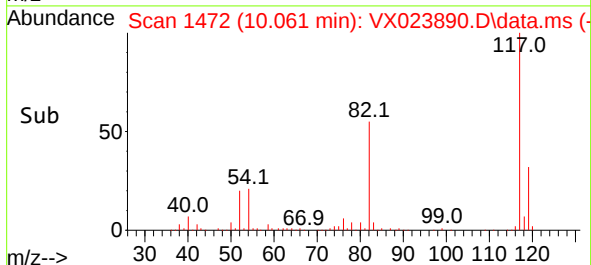
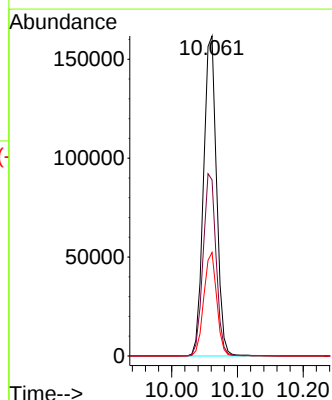
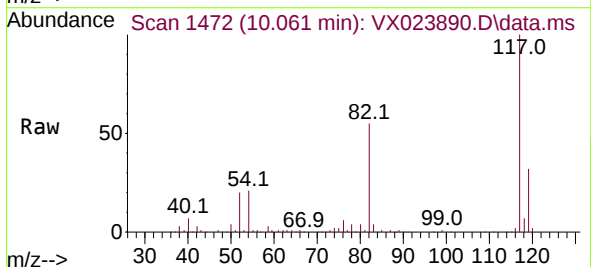
Instrument :
MSVOA_X
ClientSampleId :

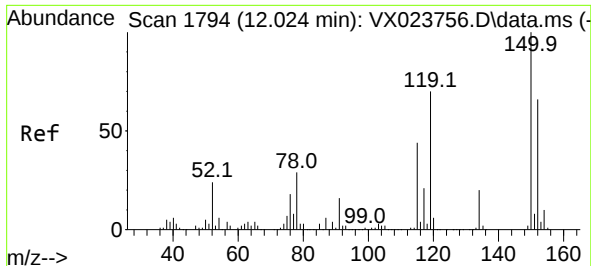
Tgt Ion: 95 Resp: 94879
Ion Ratio Lower Upper
95 100
174 79.9 0.0 154.6
176 78.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 117 Resp: 223025
Ion Ratio Lower Upper
117 100
82 55.1 47.4 71.2
119 32.4 26.6 39.8

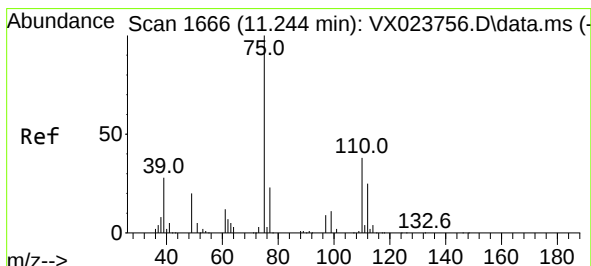
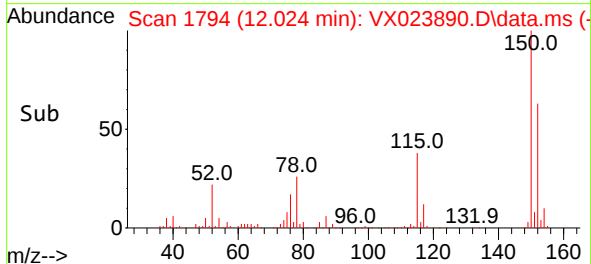
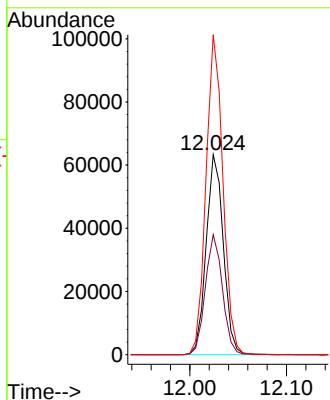
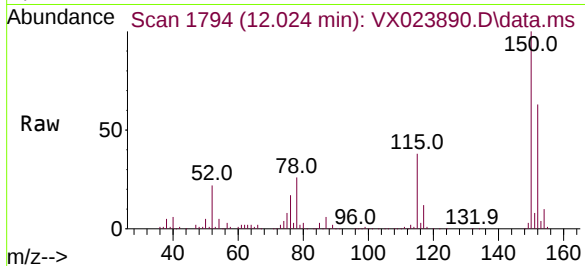




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023890.D
 Acq: 20 Aug 2021 20:18

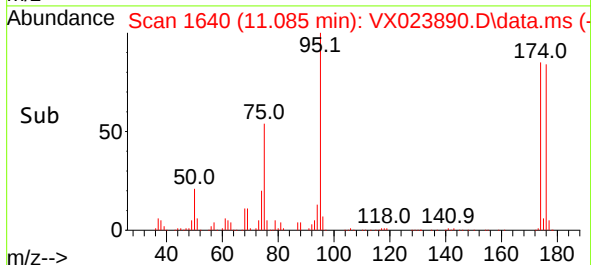
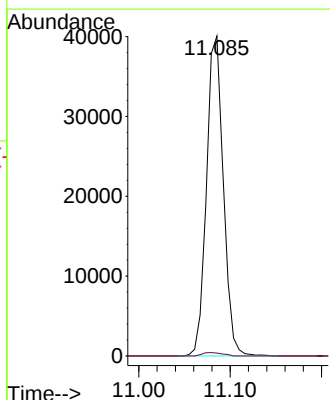
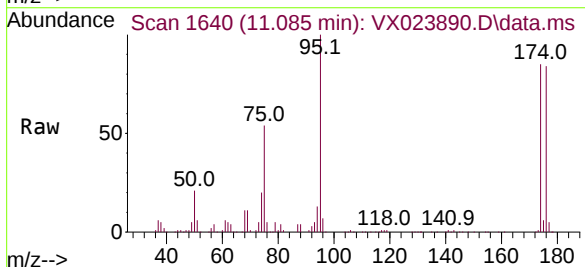
Instrument :
 MSVOA_X
 ClientSampled :

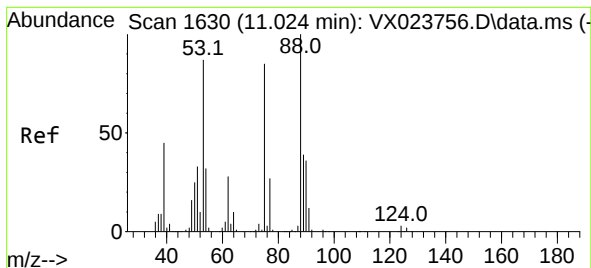
Tgt Ion:152 Resp: 78069
 Ion Ratio Lower Upper
 152 100
 115 60.0 41.1 123.3
 150 157.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.099 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023890.D
 Acq: 20 Aug 2021 20:18

Tgt Ion: 75 Resp: 51172
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

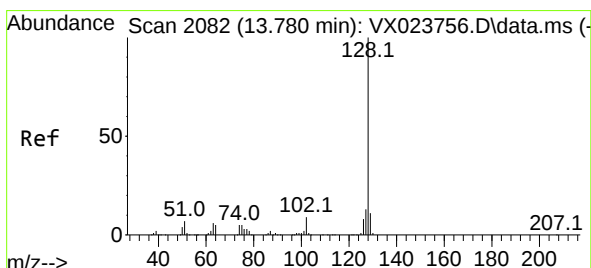
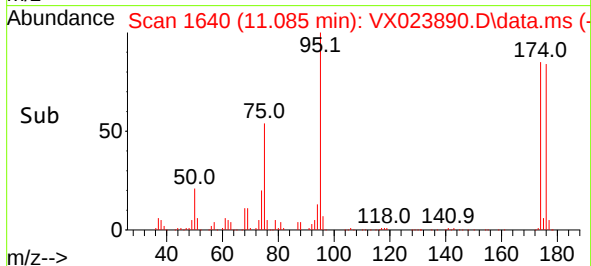
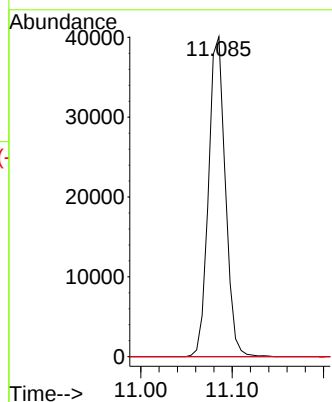
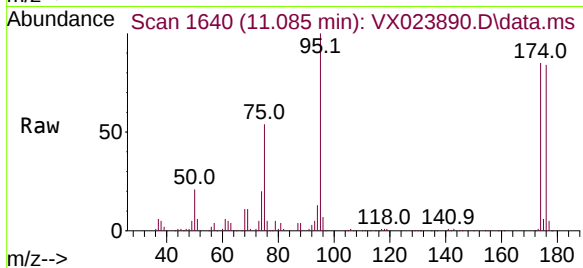




#81
trans-1,4-Dichloro-2-butene
Concen: 82.654 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 51172
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.305 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023890.D
Acq: 20 Aug 2021 20:18

Tgt Ion: 128 Resp: 131
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

