

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023790.D
 Acq On : 18 Aug 2021 02:41
 Operator : JC/MD
 Sample : M3425-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20S

Quant Time: Aug 18 07:03:12 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)

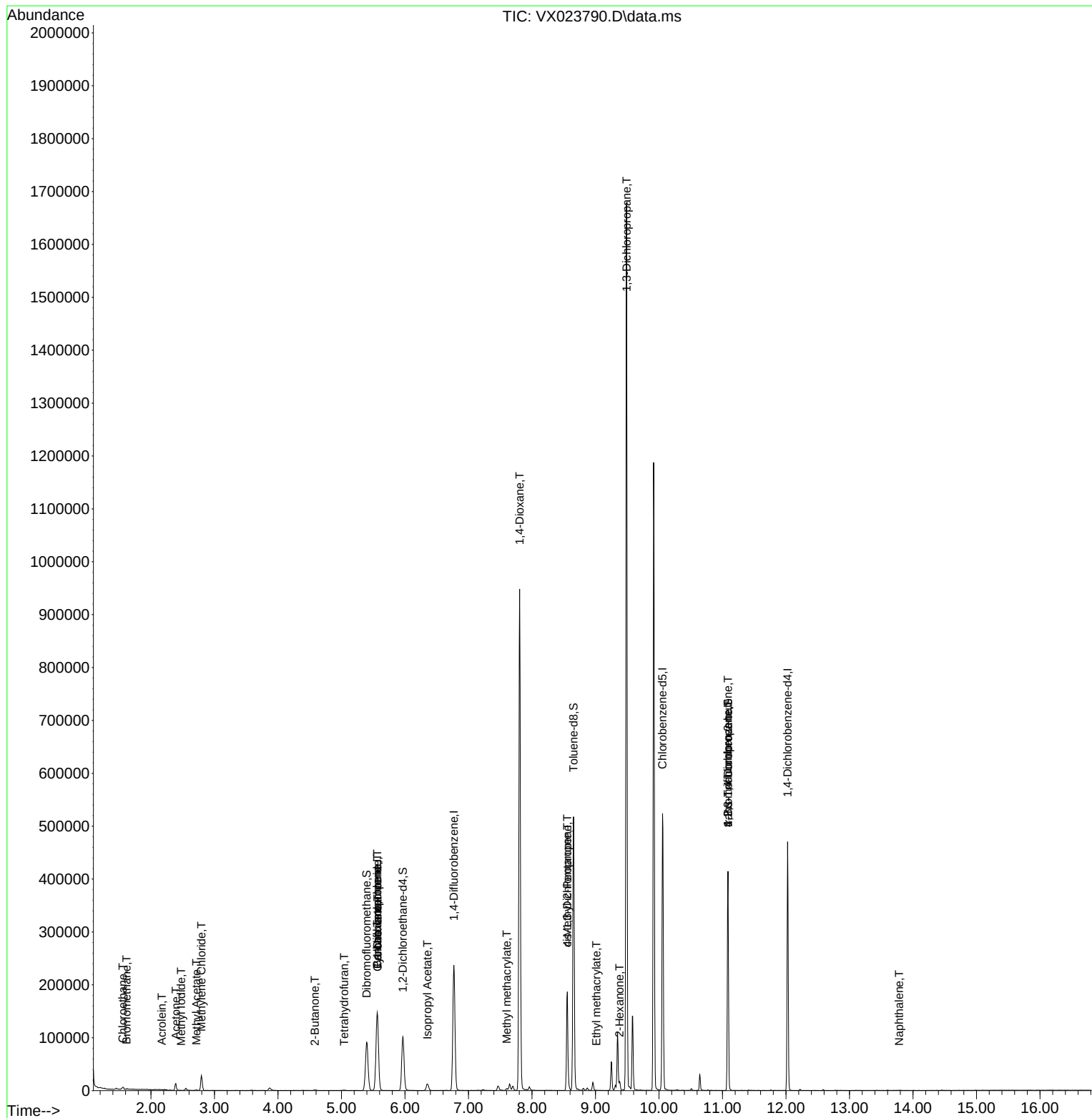
Internal Standards						
1) Pentafluorobenzene	5.562	168	137862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237446	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99048	51.477	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.960%			
35) Dibromofluoromethane	5.397	113	79406	50.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.060%			
50) Toluene-d8	8.653	98	299225	50.024	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.040%			
62) 4-Bromofluorobenzene	11.085	95	102088	46.362	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.720%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	565	0.577	ug/l #	61
6) Chloroethane	1.557	64	40	2.247	ug/l #	43
10) Methyl Iodide	2.477	142	404	0.210	ug/l #	86
13) Acrolein	2.172	56	56	0.242	ug/l #	14
16) Acetone	2.392	43	13562	15.764	ug/l	93
18) Methyl Acetate	2.715	43	1206	0.562	ug/l #	87
20) Methylene Chloride	2.794	84	12039	7.326	ug/l	92
25) 2-Butanone	4.581	43	1882	1.444	ug/l	95
29) Tetrahydrofuran	5.044	42	457	0.541	ug/l	90
31) Cyclohexane	5.568	56	3184	1.288	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	11033	5.017	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14175	6.182	ug/l #	16
43) Isopropyl Acetate	6.355	43	17287	4.089	ug/l #	92
48) Methyl methacrylate	7.604	41	5396	2.616	ug/l #	10
49) 1,4-Dioxane	7.806	88	125	2.868	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	65856	24.096	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27799	10.555	ug/l #	72
56) Ethyl methacrylate	9.013	69	104	0.794	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	13394	4.656	ug/l #	42
59) 2-Hexanone	9.378	43	9398	4.474	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	54488	25.426	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54488	74.793	ug/l #	12
95) Naphthalene	13.780	128	269	1.321	ug/l #	80

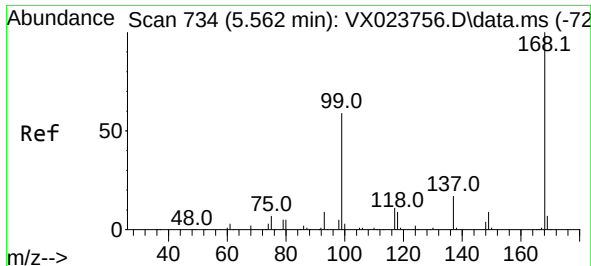
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
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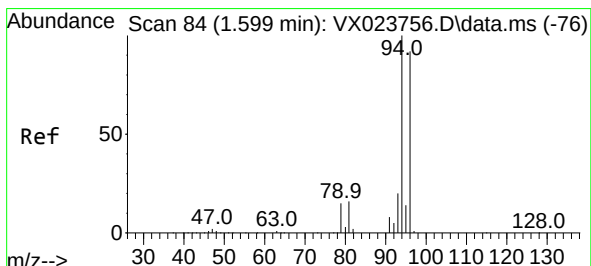
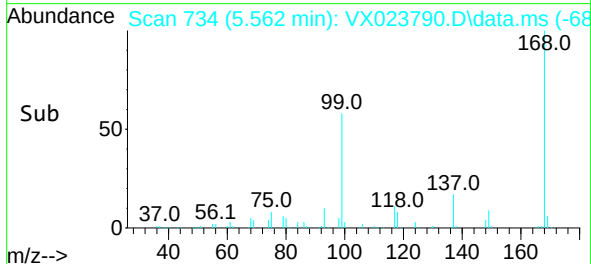
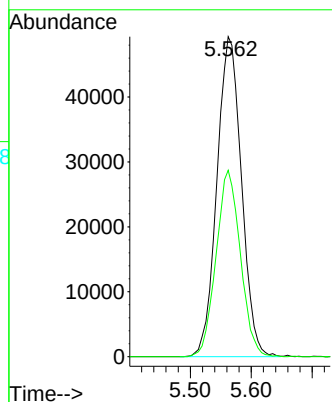
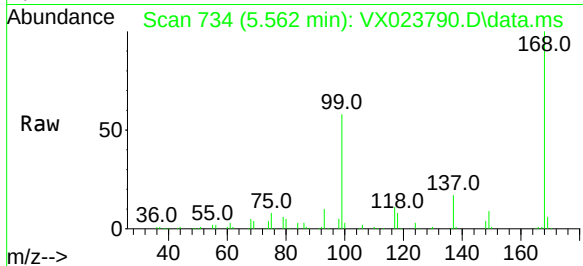




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

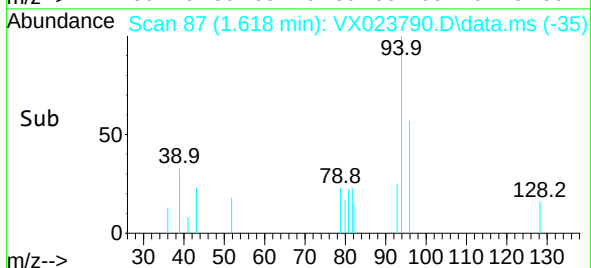
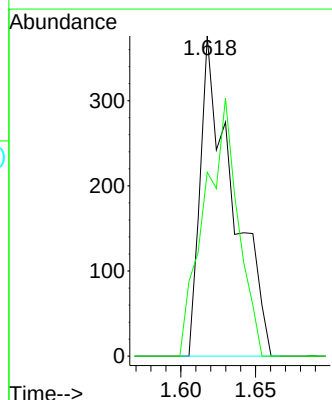
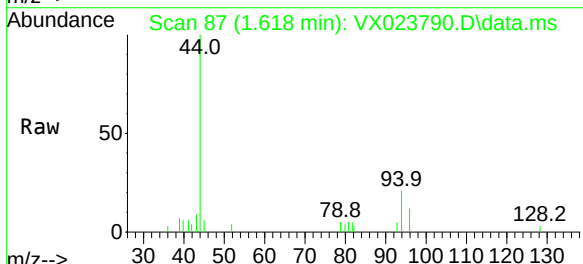
Instrument :
MSVOA_X
ClientSampled :
20S

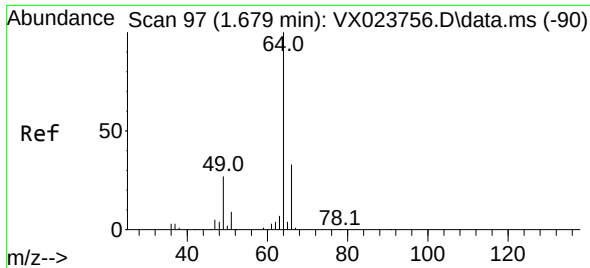
Tgt Ion:168 Resp: 137862
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#5
Bromomethane
Concen: 0.577 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion: 94 Resp: 565
Ion Ratio Lower Upper
94 100
96 57.4 76.4 114.6#

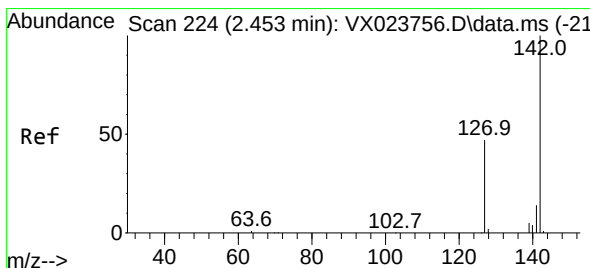
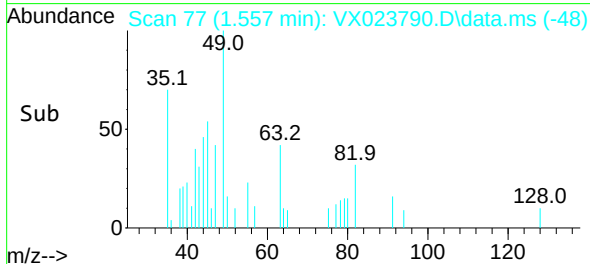
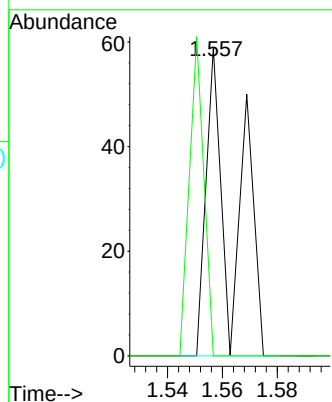
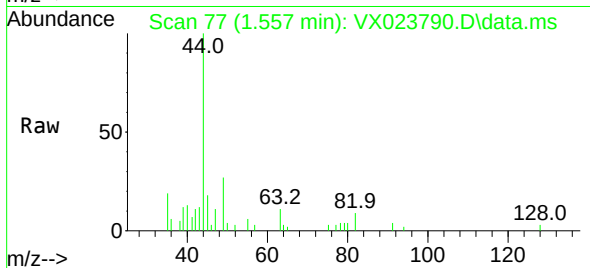




#6
Chloroethane
Concen: 2.247 ug/l
RT: 1.557 min Scan# 77
Delta R.T. -0.122 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

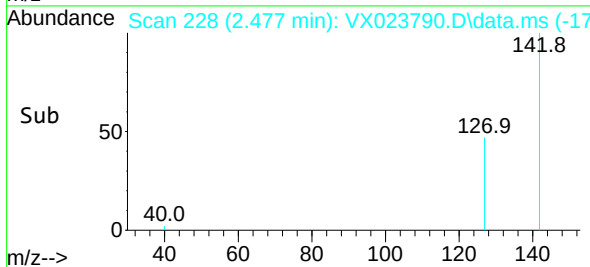
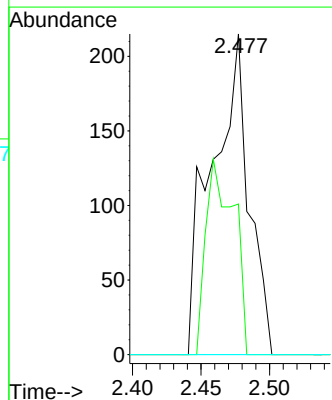
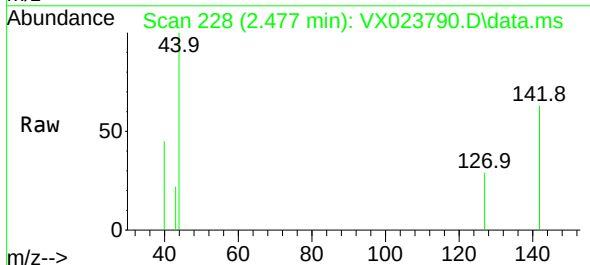
Instrument :
MSVOA_X
ClientSampled :
20S

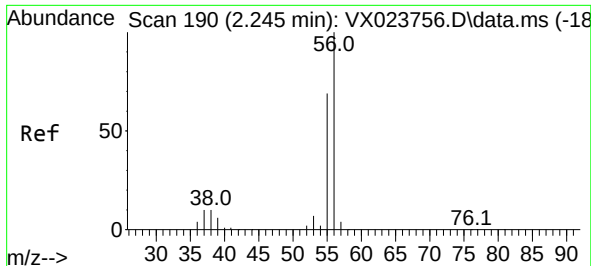
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.210 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.024 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion: 142 Resp: 404
Ion Ratio Lower Upper
142 100
127 46.3 33.3 49.9
141 0.0 11.4 17.0#

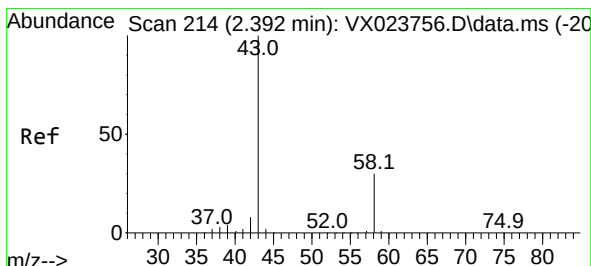
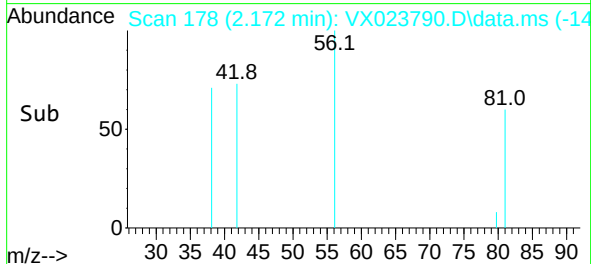
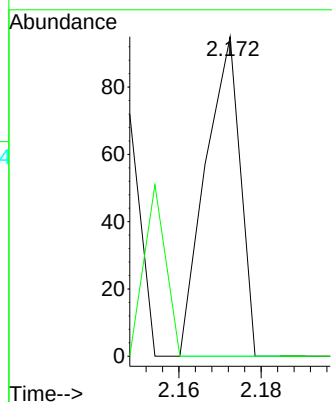
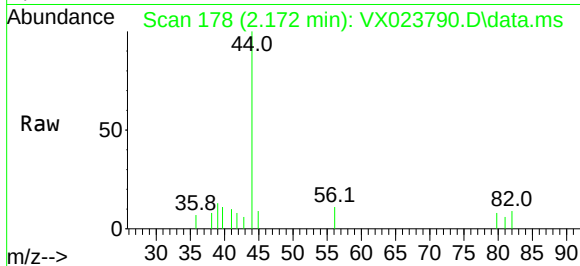




#13
Acrolein
Concen: 0.242 ug/l
RT: 2.172 min Scan# 178
Delta R.T. -0.073 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

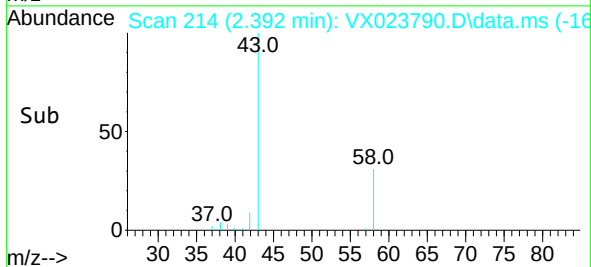
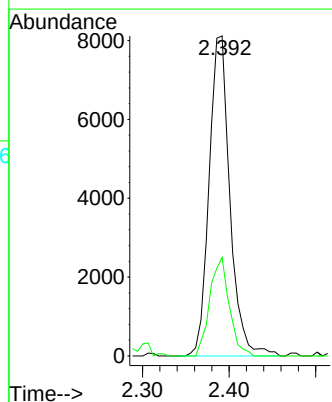
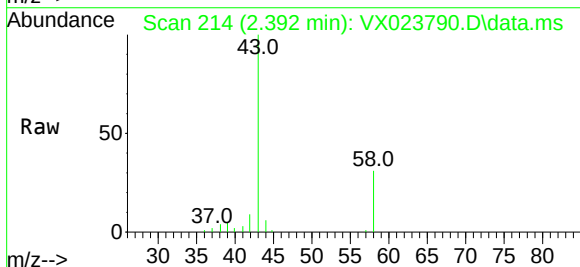
Instrument :
MSVOA_X
ClientSampled :
20S

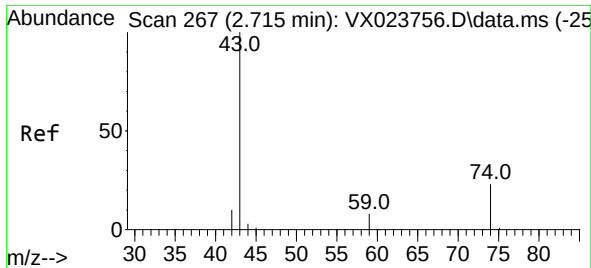
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 15.764 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion: 43 Resp: 13562
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8





#18

Methyl Acetate

Concen: 0.562 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX023790.D

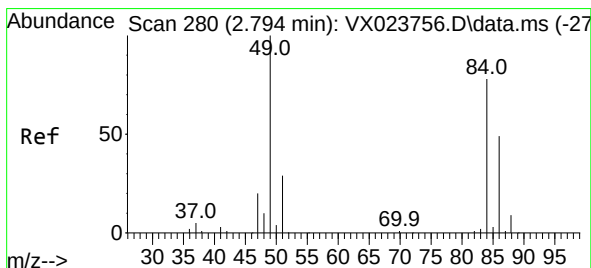
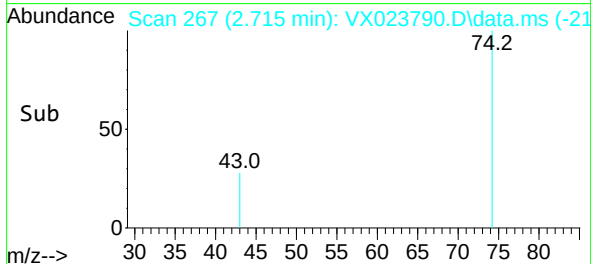
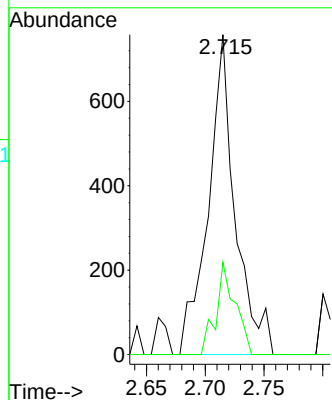
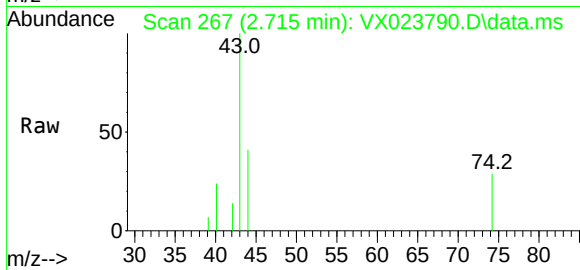
Acq: 18 Aug 2021 02:41

Tgt Ion: 43 Resp: 1206

Ion Ratio Lower Upper

43 100

74 20.6 21.9 32.9#



#20

Methylene Chloride

Concen: 7.326 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023790.D

Acq: 18 Aug 2021 02:41

Tgt Ion: 84 Resp: 12039

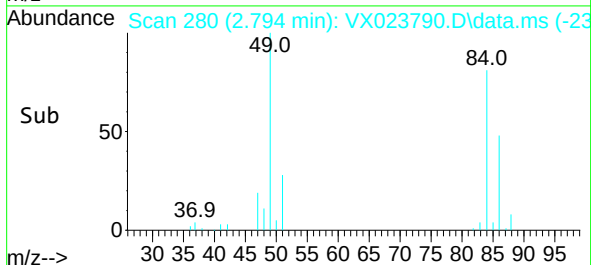
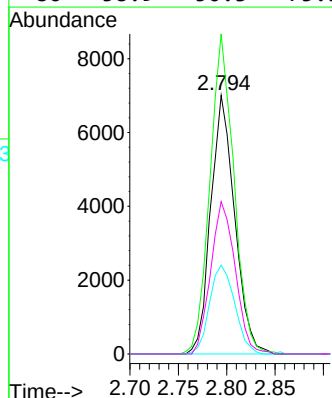
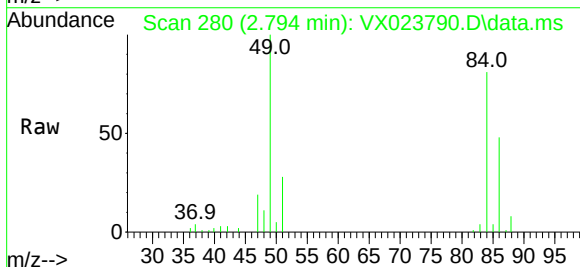
Ion Ratio Lower Upper

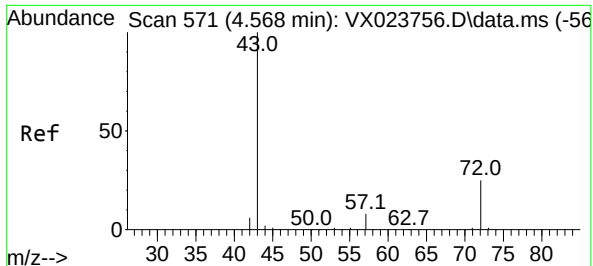
84 100

49 123.7 88.6 132.8

51 34.3 27.0 40.6

86 58.9 50.3 75.5





#25

2-Butanone

Concen: 1.444 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.013 min

Lab File: VX023790.D

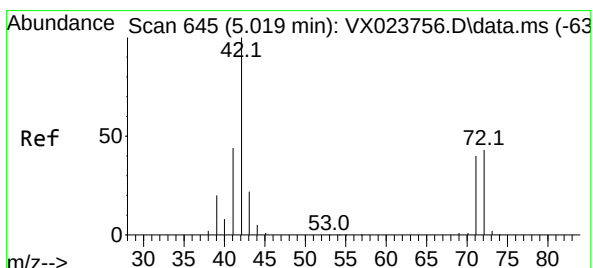
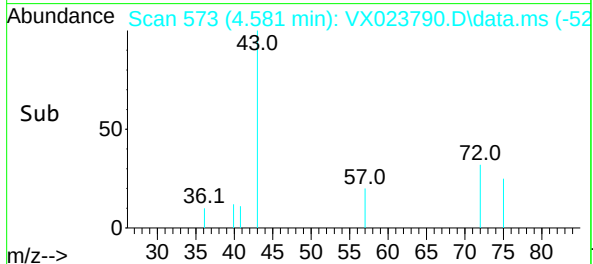
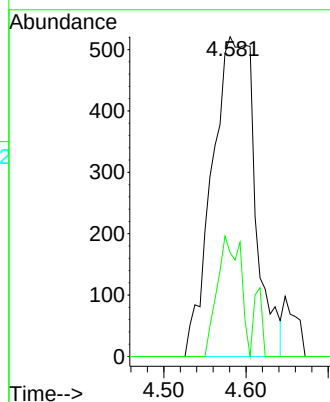
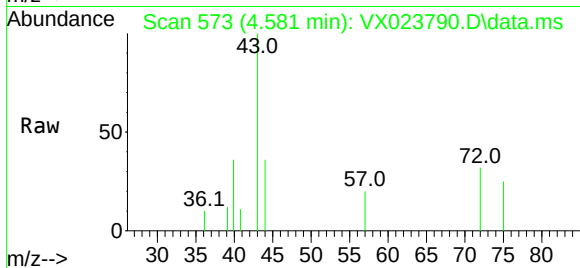
Acq: 18 Aug 2021 02:41

Tgt Ion: 43 Resp: 1882

Ion Ratio Lower Upper

43 100

72 32.4 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.541 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.025 min

Lab File: VX023790.D

Acq: 18 Aug 2021 02:41

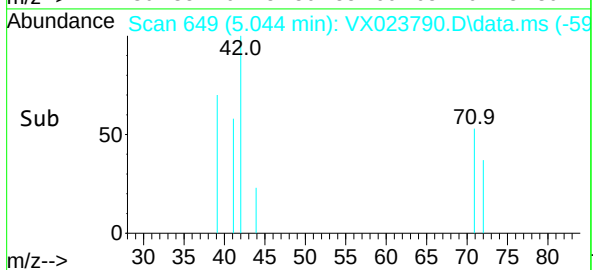
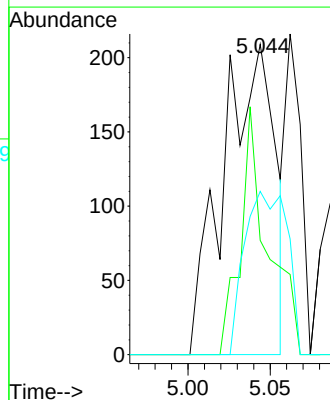
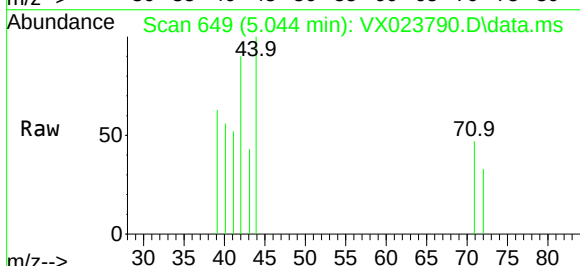
Tgt Ion: 42 Resp: 457

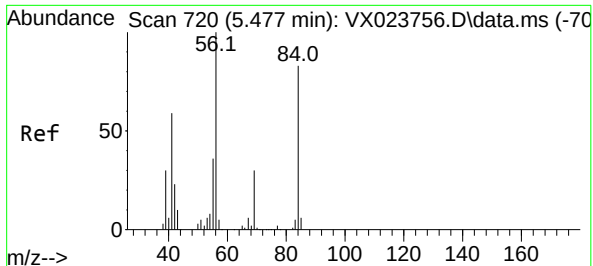
Ion Ratio Lower Upper

42 100

72 42.0 41.7 62.5

71 43.8 38.4 57.6





#31

Cyclohexane

Concen: 1.288 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.091 min

Lab File: VX023790.D

Acq: 18 Aug 2021 02:41

Tgt Ion: 56 Resp: 3184

Ion Ratio Lower Upper

56 100

69 160.4 25.3 37.9#

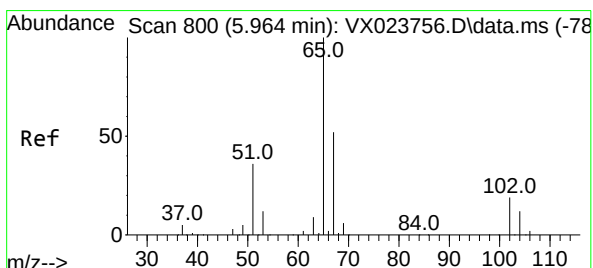
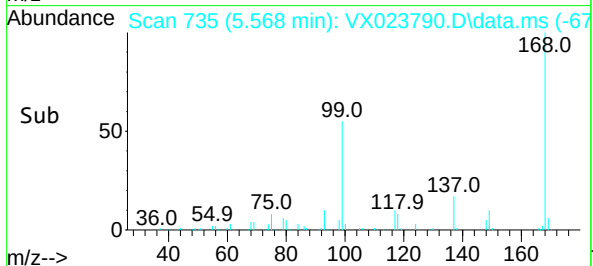
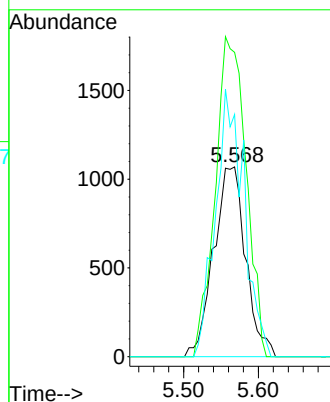
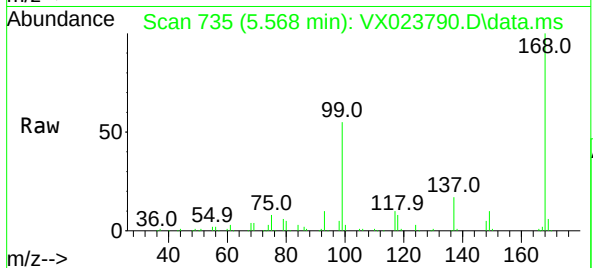
84 127.7 71.4 107.0#

Instrument :

MSVOA_X

ClientSampled :

20S



#33

1,2-Dichloroethane-d4

Concen: 51.477 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023790.D

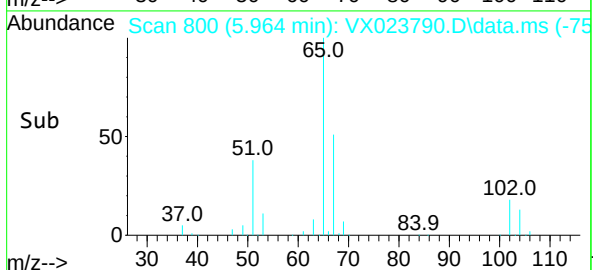
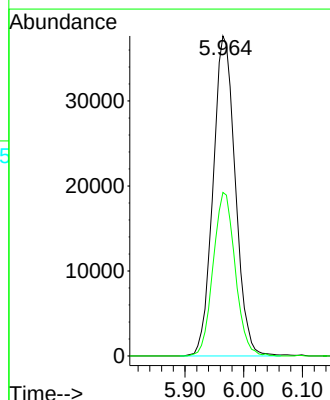
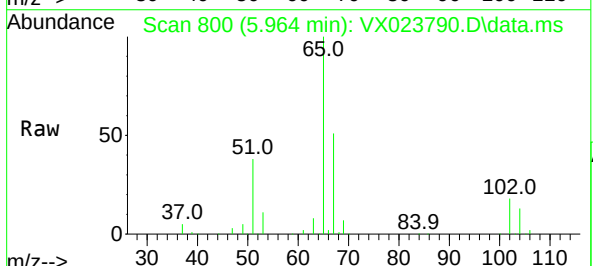
Acq: 18 Aug 2021 02:41

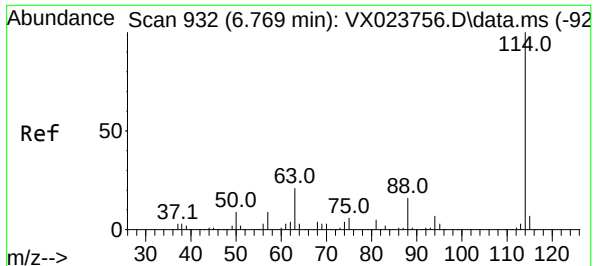
Tgt Ion: 65 Resp: 99048

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.4

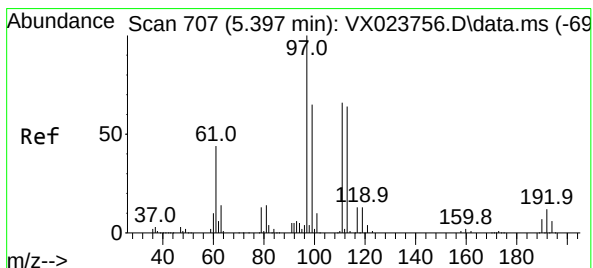
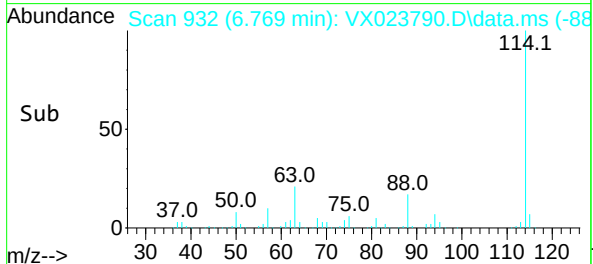
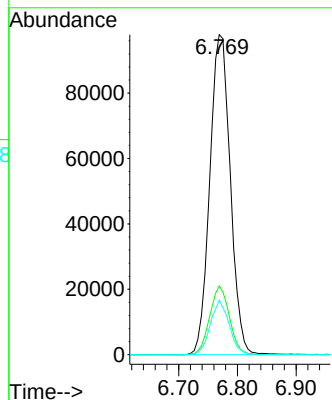
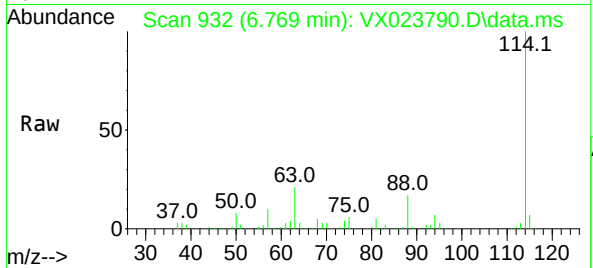




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

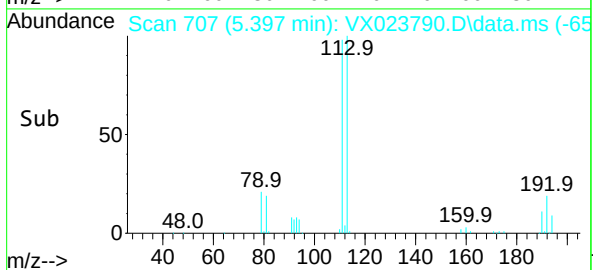
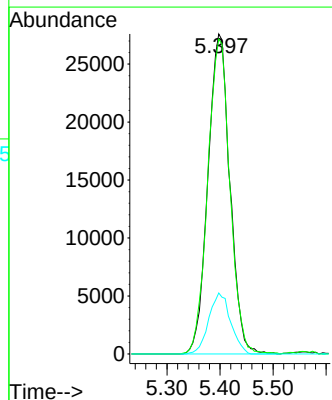
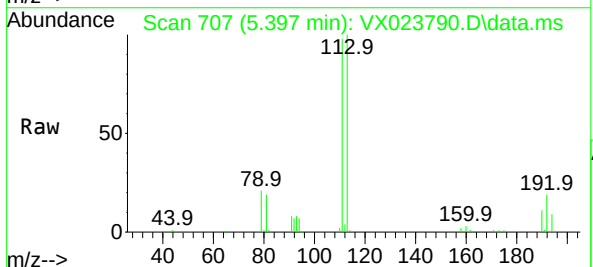
Instrument :
MSVOA_X
ClientSampled :
20S

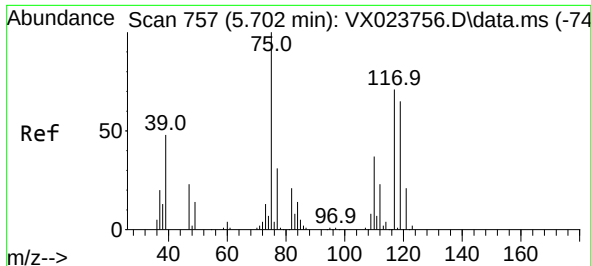
Tgt Ion:114 Resp: 237446
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.526 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion:113 Resp: 79406
Ion Ratio Lower Upper
113 100
111 99.5 81.9 122.9
192 18.9 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.017 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023790.D

Acq: 18 Aug 2021 02:41

Tgt Ion: 75 Resp: 11033

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

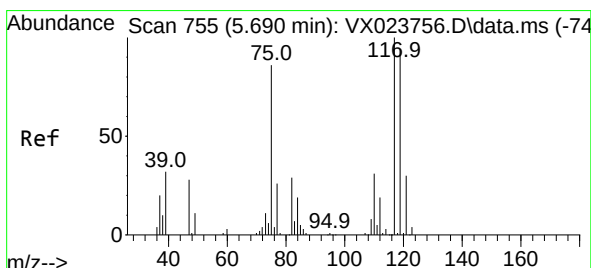
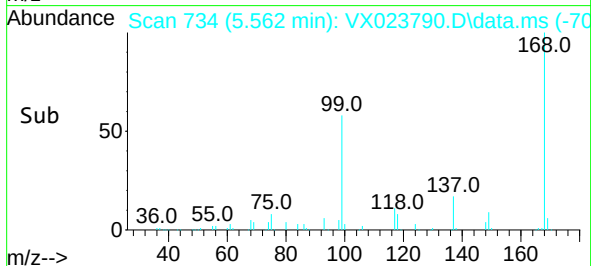
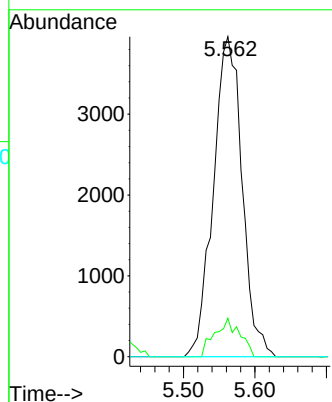
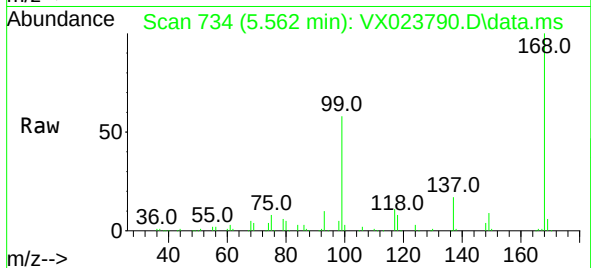
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :

20S



#38

Carbon Tetrachloride

Concen: 6.182 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX023790.D

Acq: 18 Aug 2021 02:41

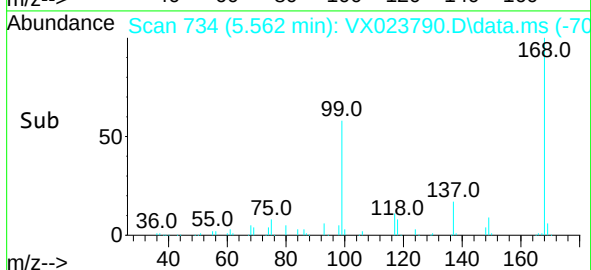
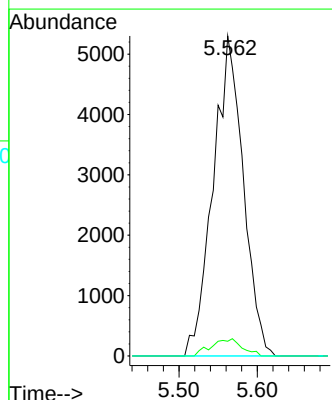
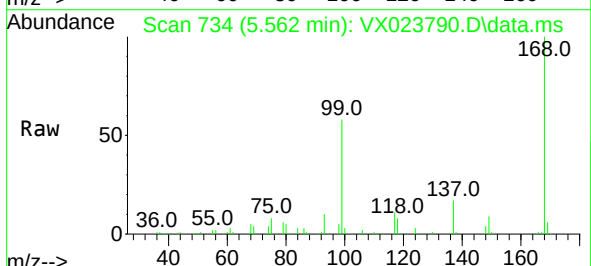
Tgt Ion: 117 Resp: 14175

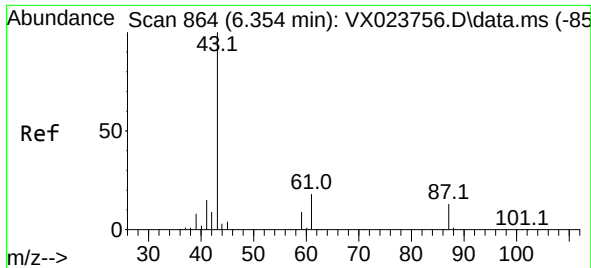
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

121 0.0 24.8 37.2#

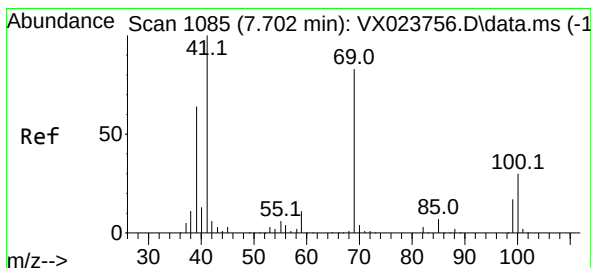
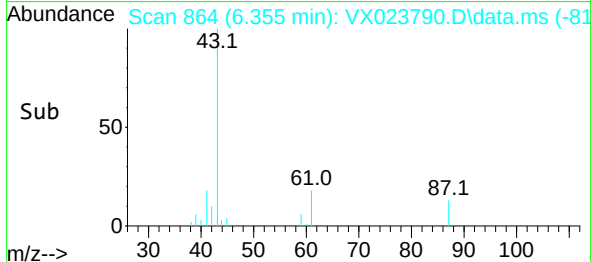
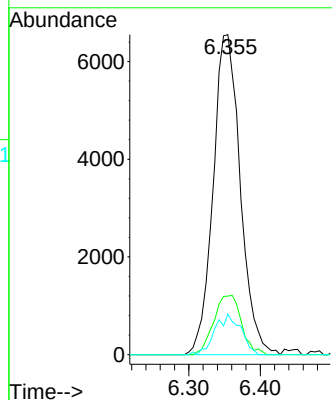
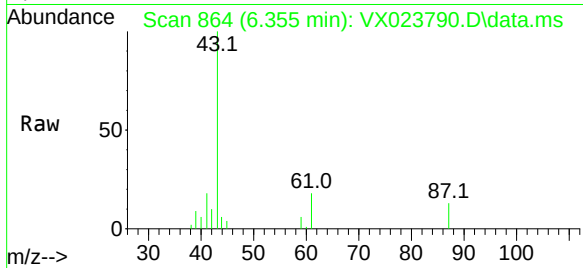




#43
Isopropyl Acetate
Concen: 4.089 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

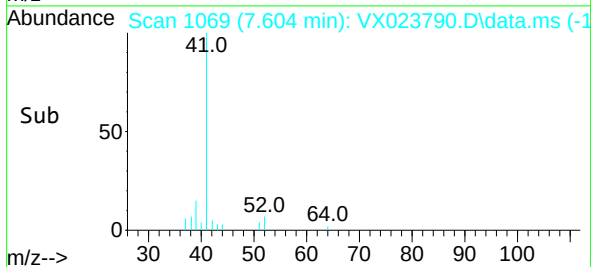
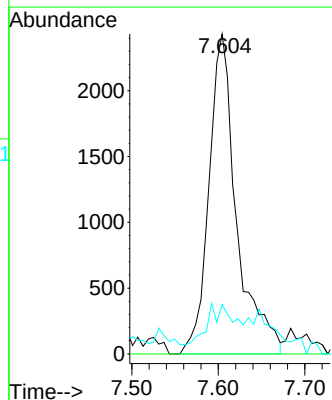
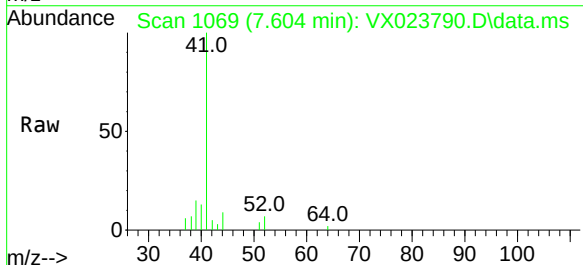
Instrument :
MSVOA_X
ClientSampled :
20S

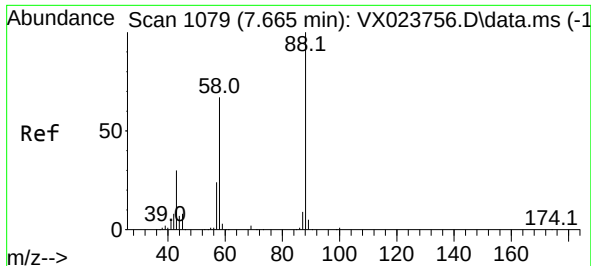
Tgt Ion:	43	Resp:	17287
Ion	Ratio	Lower	Upper
43	100		
61	18.9	18.2	27.4
87	12.0	12.5	18.7#



#48
Methyl methacrylate
Concen: 2.616 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion:	41	Resp:	5396
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: 2.868 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX023790.D

Acq: 18 Aug 2021 02:41

Instrument :

MSVOA_X

ClientSampleId :

20S

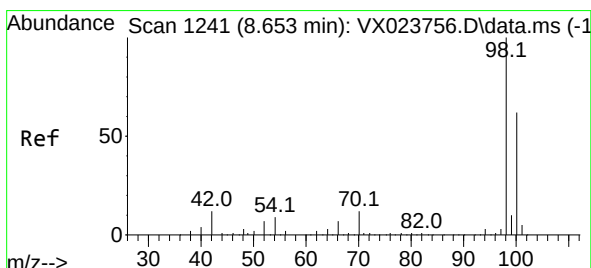
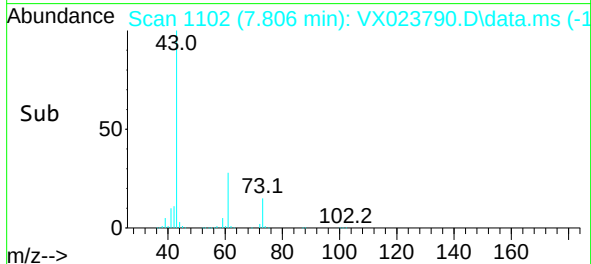
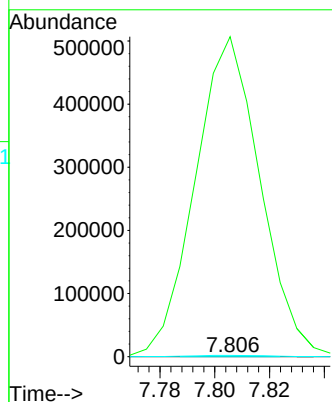
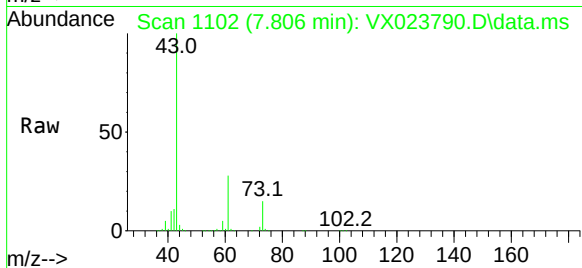
Tgt Ion: 88 Resp: 125

Ion Ratio Lower Upper

88 100

43 675075.2 23.2 34.8#

58 3294.4 55.0 82.4#



#50

Toluene-d8

Concen: 50.024 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023790.D

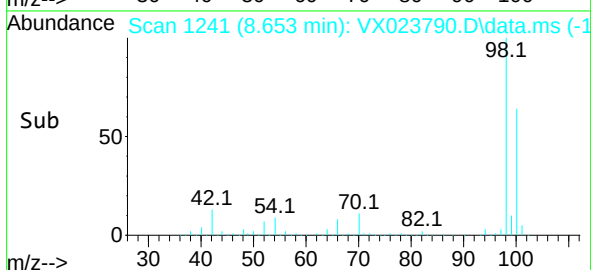
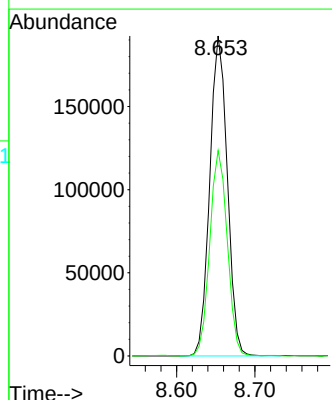
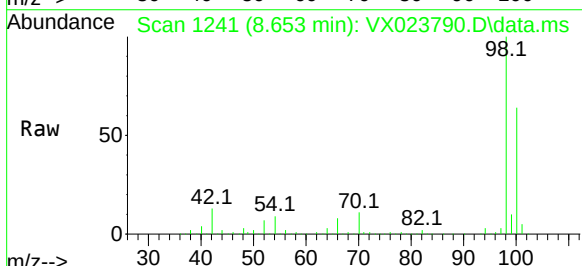
Acq: 18 Aug 2021 02:41

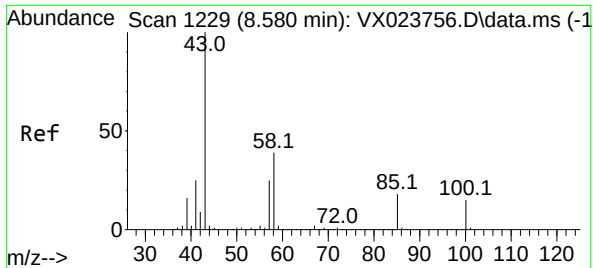
Tgt Ion: 98 Resp: 299225

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9

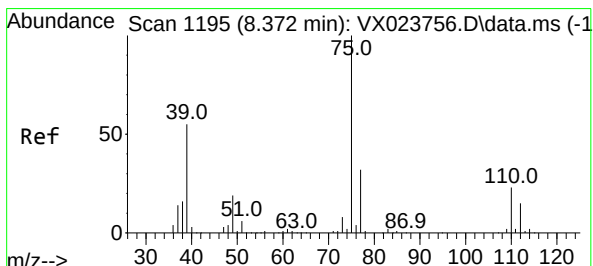
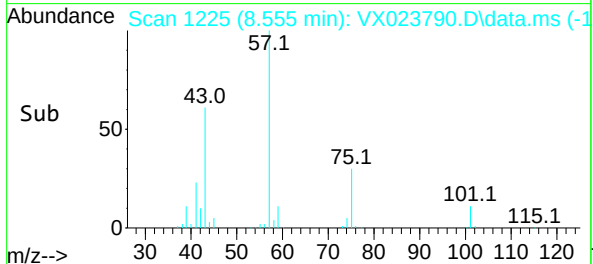
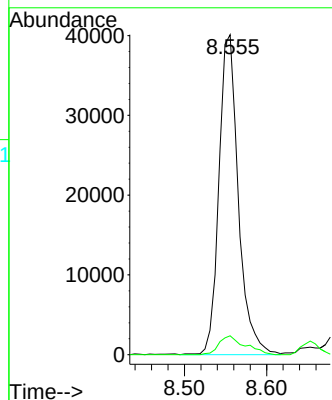
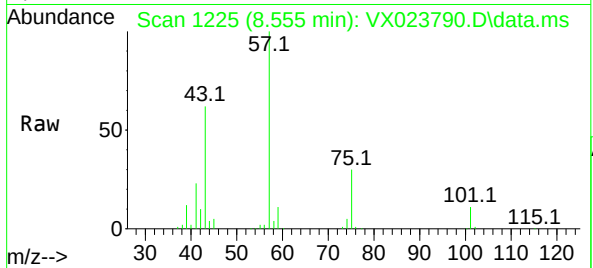




#51
4-Methyl-2-Pentanone
Concen: 24.096 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

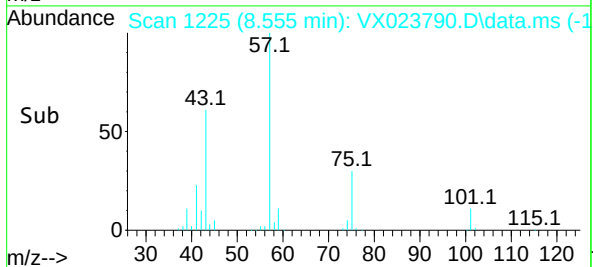
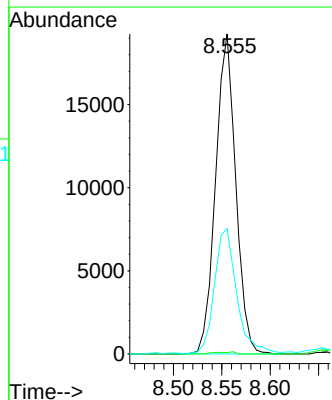
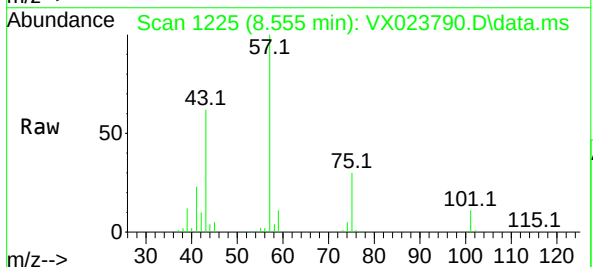
Instrument :
MSVOA_X
ClientSampled :
20S

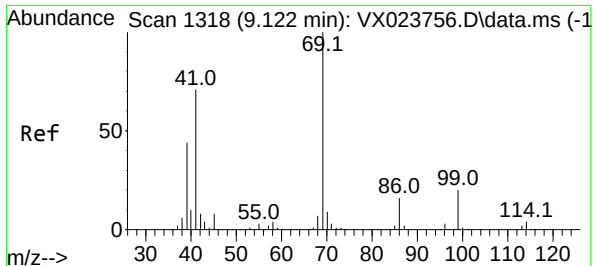
Tgt Ion: 43 Resp: 65856
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.555 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion: 75 Resp: 27799
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 38.9 35.1 52.7

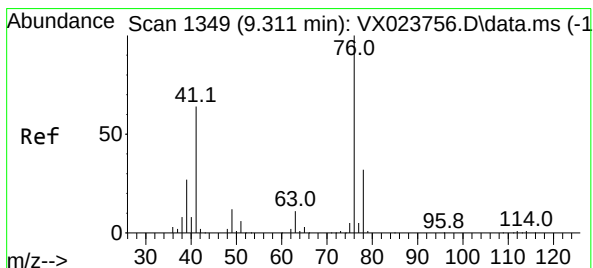
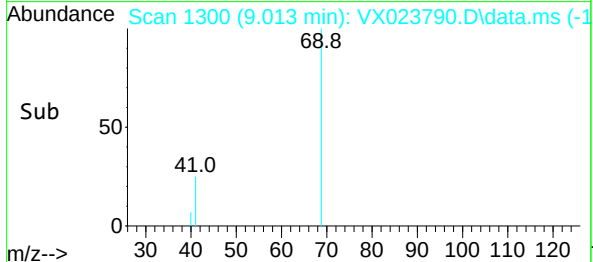
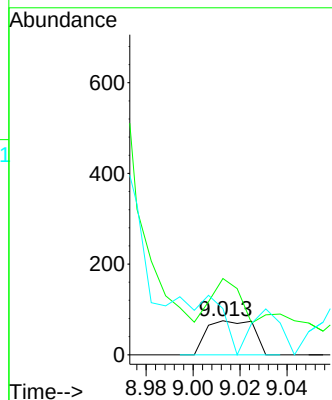
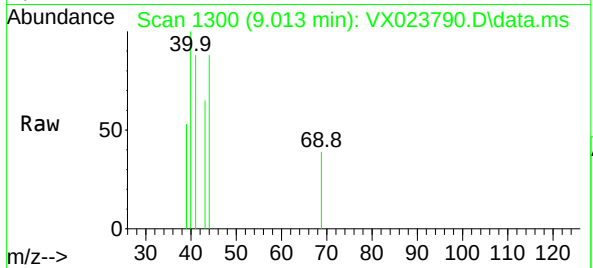




#56
Ethyl methacrylate
Concen: 0.794 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

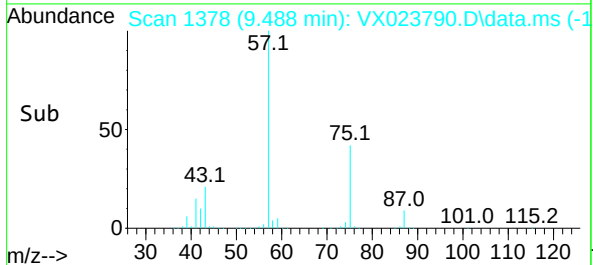
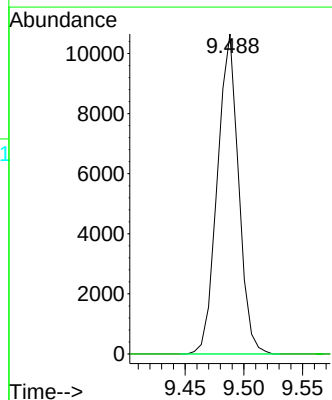
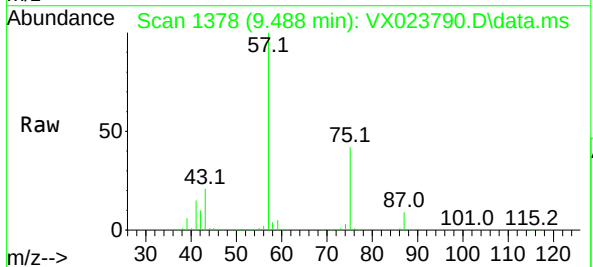
Instrument :
MSVOA_X
ClientSampled :
20S

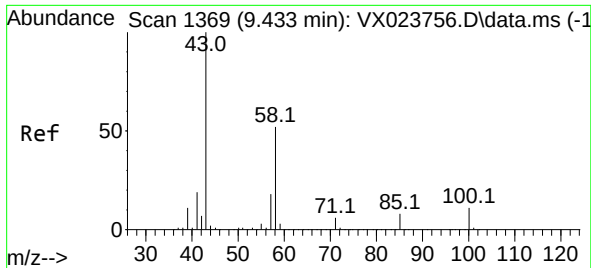
Tgt Ion: 69 Resp: 104
Ion Ratio Lower Upper
69 100
41 336.5 46.8 70.2#
39 0.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 4.656 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion: 76 Resp: 13394
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

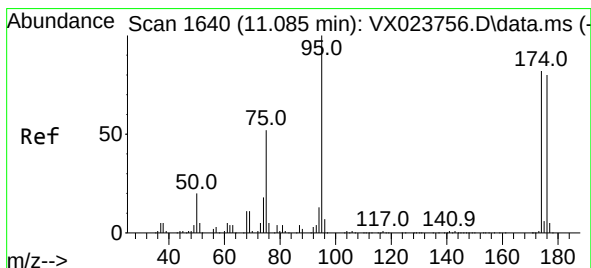
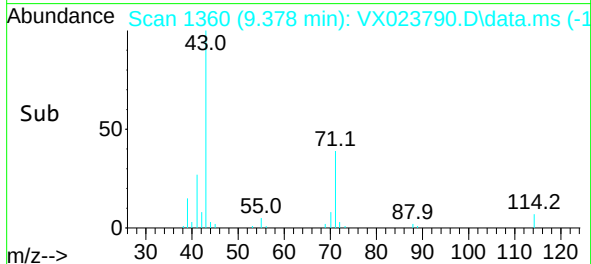
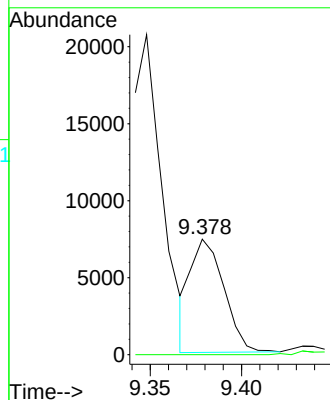
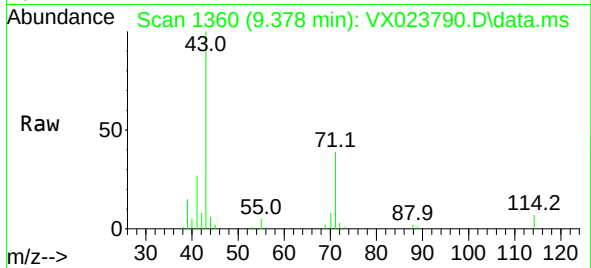




#59
2-Hexanone
Concen: 4.474 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

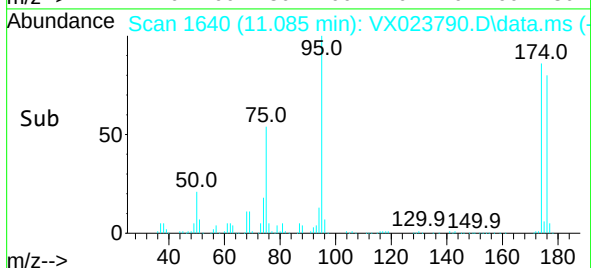
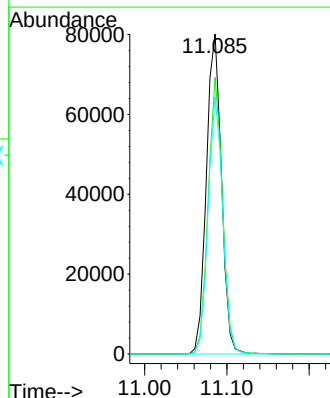
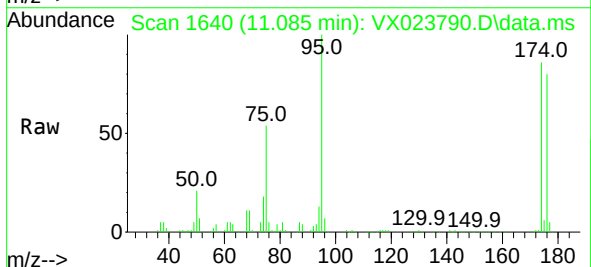
Instrument :
MSVOA_X
ClientSampled :
20S

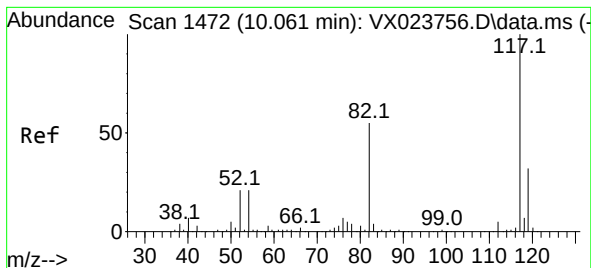
Tgt Ion: 43 Resp: 9398
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.362 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion: 95 Resp: 102088
Ion Ratio Lower Upper
95 100
174 83.1 0.0 154.6
176 77.8 0.0 155.8

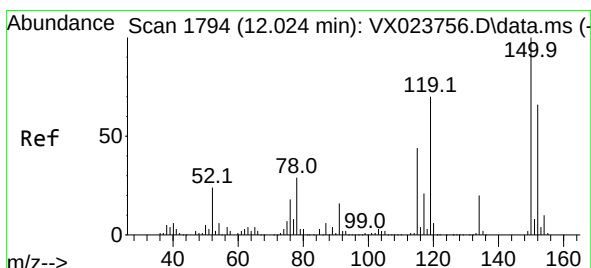
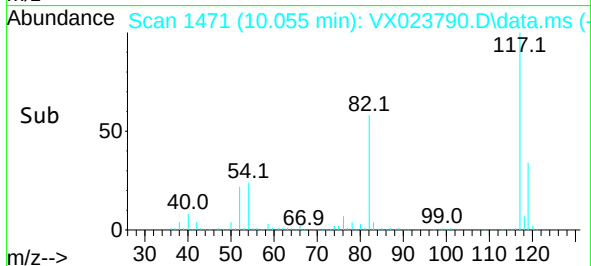
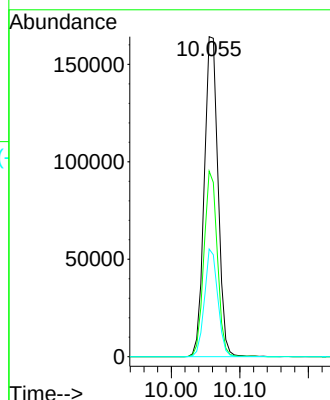
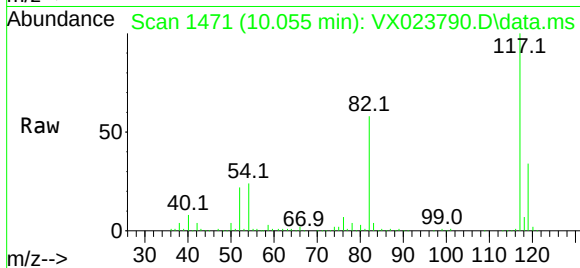




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

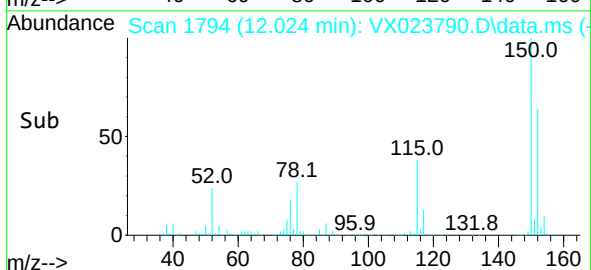
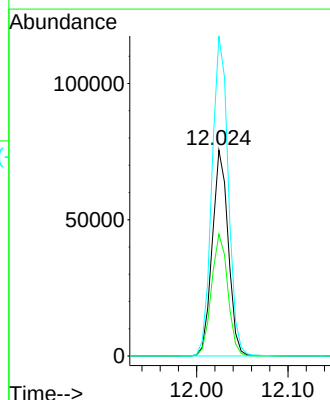
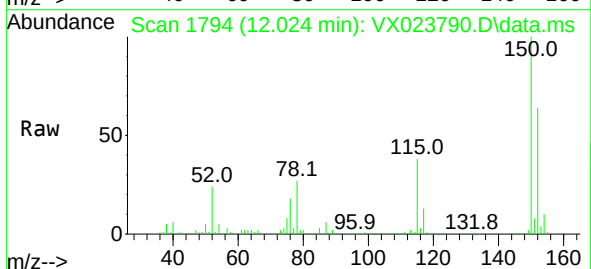
Instrument :
MSVOA_X
ClientSampled :
20S

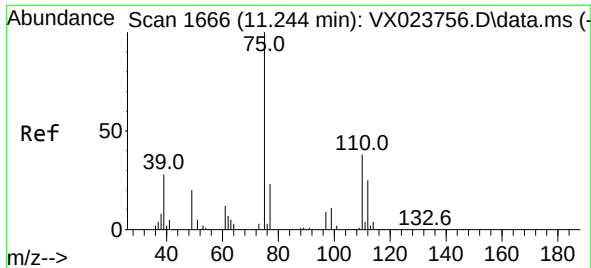
Tgt Ion:117 Resp: 230093
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 33.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Tgt Ion:152 Resp: 91865
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 158.6 0.0 349.0

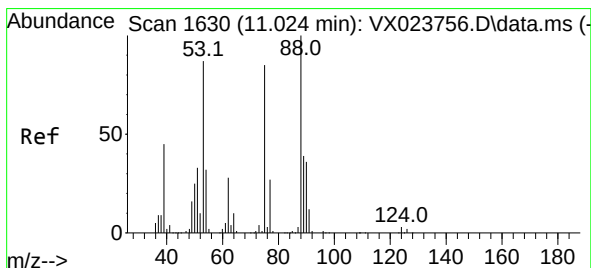
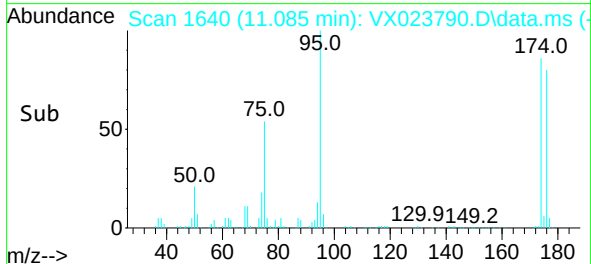
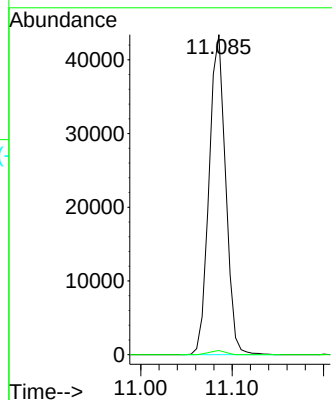
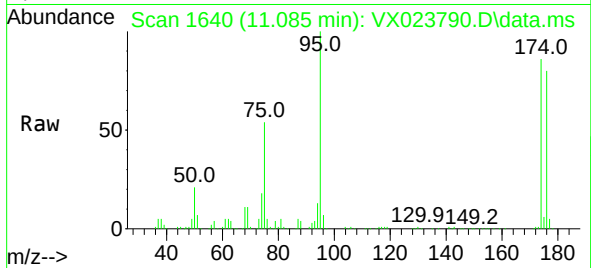




#76
1,2,3-Trichloropropane
Concen: 25.426 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

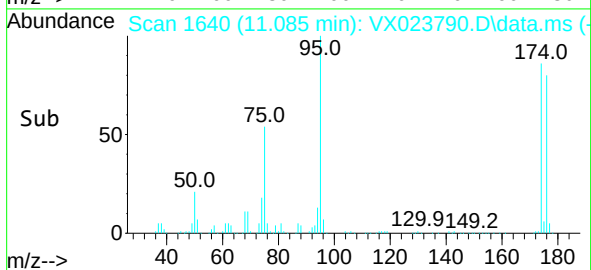
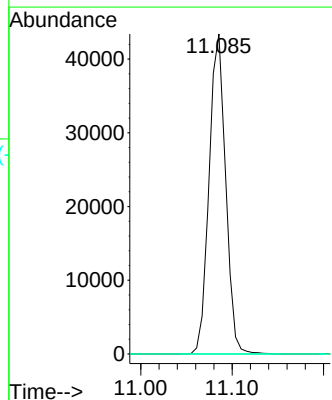
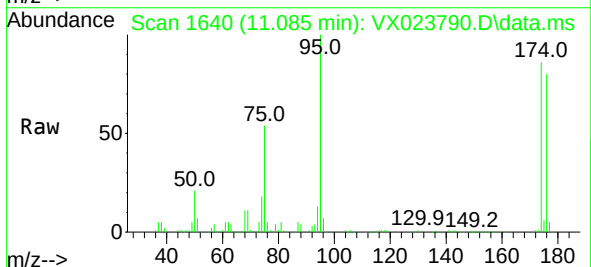
Instrument :
MSVOA_X
ClientSampled :
20S

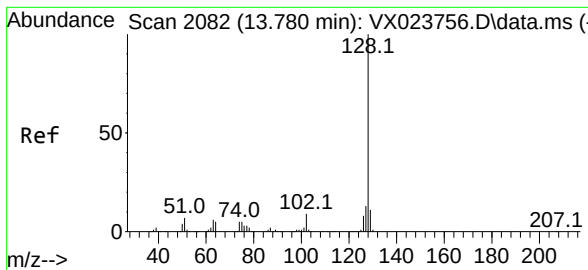
Tgt Ion: 75 Resp: 54488
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.793 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

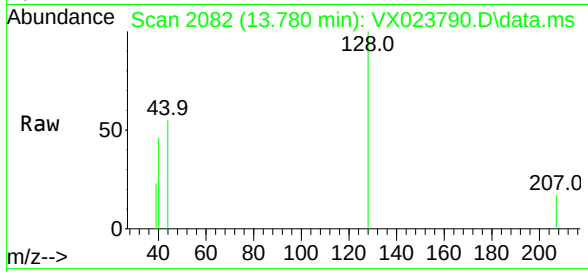
Tgt Ion: 75 Resp: 54488
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.321 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023790.D
Acq: 18 Aug 2021 02:41

Instrument :
MSVOA_X
ClientSampleId :
20S



Tgt Ion:	128	Resp:	269
Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.3	15.5#
129	0.0	8.8	13.2#

