

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023796.D
 Acq On : 18 Aug 2021 05:03
 Operator : JC/MD
 Sample : M3425-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 23S

Quant Time: Aug 18 07:04:51 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

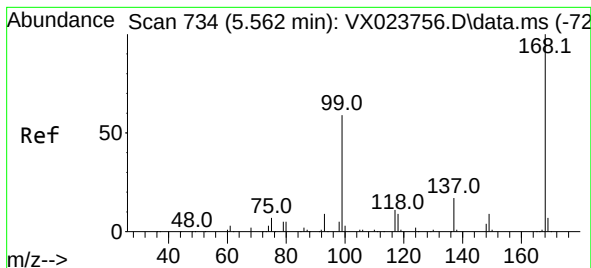
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	132646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95638	51.659	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.320%	
35) Dibromofluoromethane	5.398	113	74115	48.888	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.780%	
50) Toluene-d8	8.653	98	289003	50.087	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	11.086	95	91653	43.149	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	494	0.524	ug/l #	61
6) Chloroethane	1.666	64	53	2.258	ug/l #	43
11) Tert butyl alcohol	2.977	59	136	0.363	ug/l #	73
16) Acetone	2.386	43	13021	15.730	ug/l	89
18) Methyl Acetate	2.715	43	1117	0.541	ug/l #	73
20) Methylene Chloride	2.794	84	12095	7.649	ug/l	88
25) 2-Butanone	4.581	43	1684	1.343	ug/l #	69
29) Tetrahydrofuran	5.038	42	597	0.735	ug/l #	48
31) Cyclohexane	5.562	56	2888	1.214	ug/l #	36
36) 1,1-Dichloropropene	5.562	75	10500	4.950	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13503	6.105	ug/l #	17
43) Isopropyl Acetate	6.355	43	17223	4.223	ug/l	92
48) Methyl methacrylate	7.604	41	4950	2.488	ug/l #	10
49) 1,4-Dioxane	7.806	88	67	1.593	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	64748	24.559	ug/l #	43
54) cis-1,3-Dichloropropene	8.555	75	27220	10.714	ug/l #	69
56) Ethyl methacrylate	9.007	69	79	0.787	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	15518	5.592	ug/l #	42
59) 2-Hexanone	9.385	43	7370	3.637	ug/l #	19
76) 1,2,3-Trichloropropane	11.086	75	49180	27.224	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	49180	80.079	ug/l #	12
95) Naphthalene	13.780	128	84	1.297	ug/l #	69

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

Quant Time: Aug 18 07:04:51 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: VX023796.D

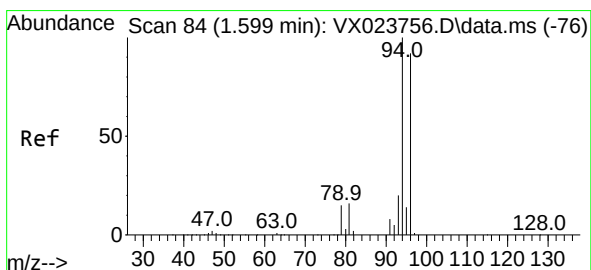
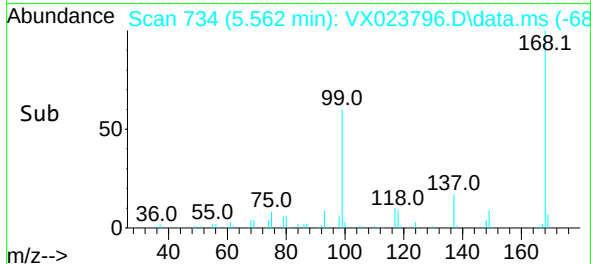
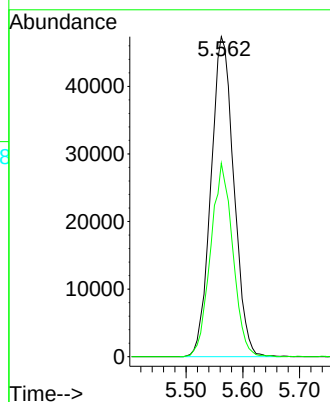
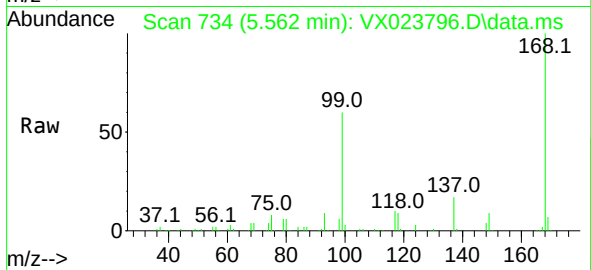
Acq: 18 Aug 2021 05:03

Tgt Ion:168 Resp: 132646

Ion Ratio Lower Upper

168 100

99 60.4 45.8 68.6



#5

Bromomethane

Concen: 0.524 ug/l

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX023796.D

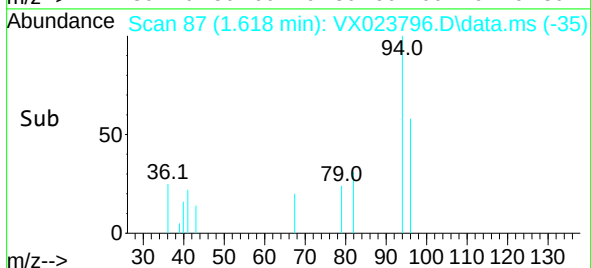
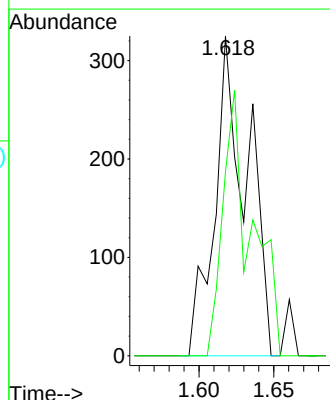
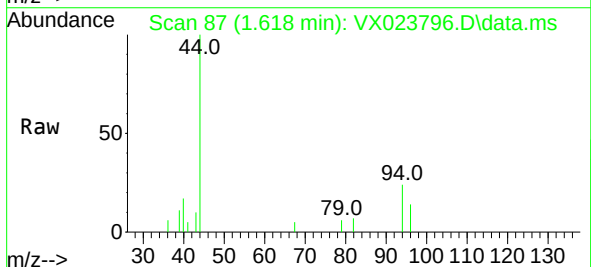
Acq: 18 Aug 2021 05:03

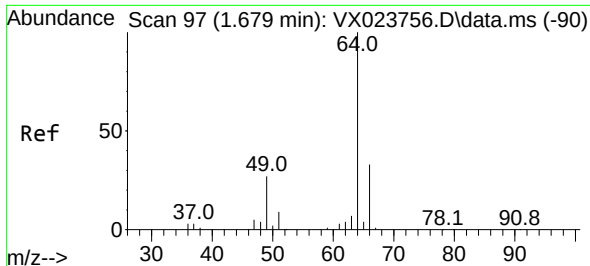
Tgt Ion: 94 Resp: 494

Ion Ratio Lower Upper

94 100

96 57.5 76.4 114.6#

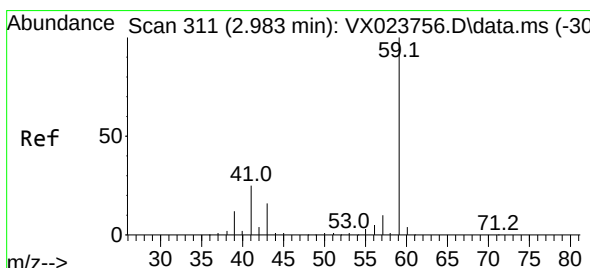
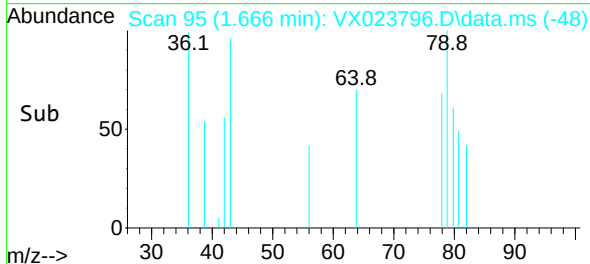
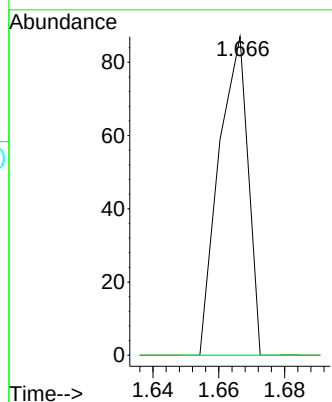
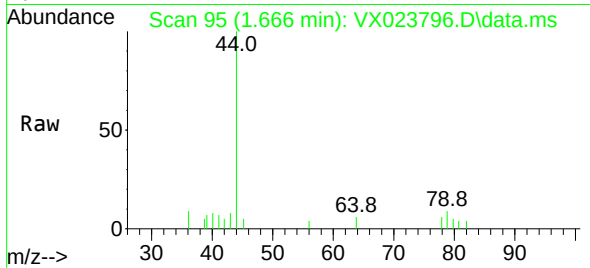




#6
Chloroethane
Concen: 2.258 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

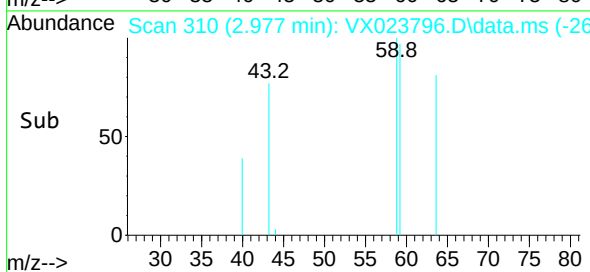
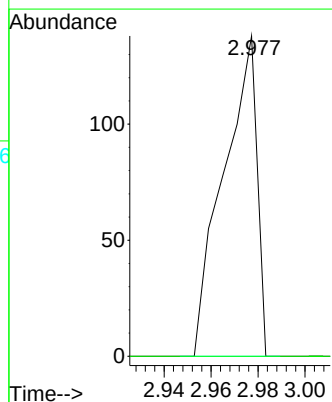
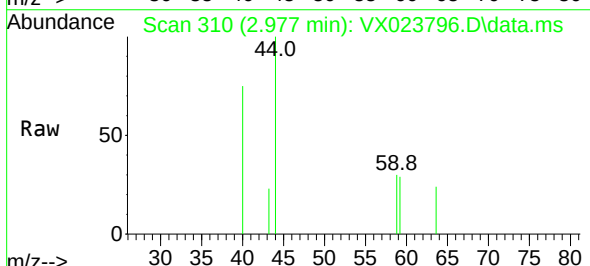
Instrument :
MSVOA_X
ClientSampled :
23S

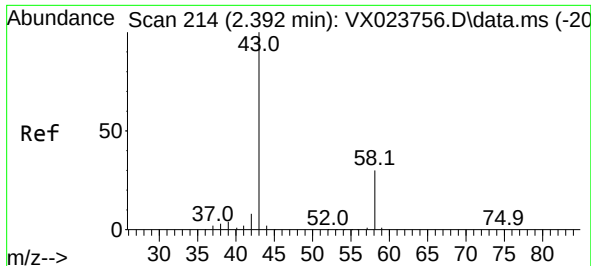
Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.363 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 59 Resp: 136
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

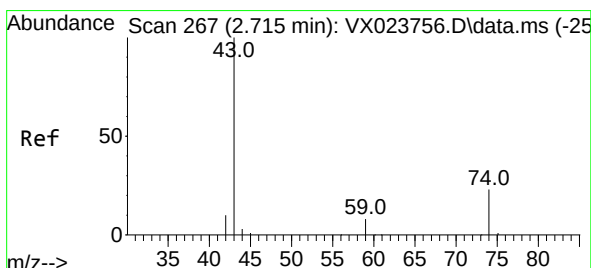
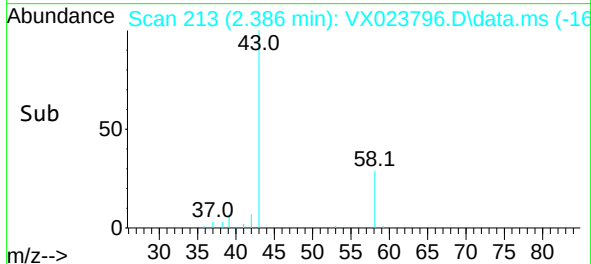
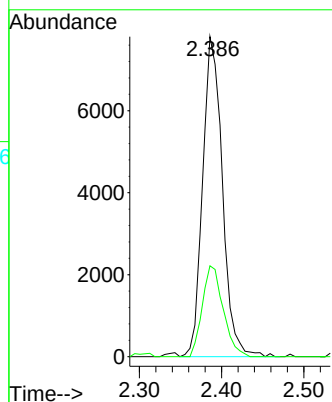
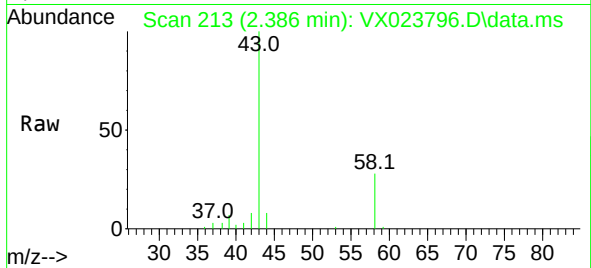




#16
Acetone
Concen: 15.730 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

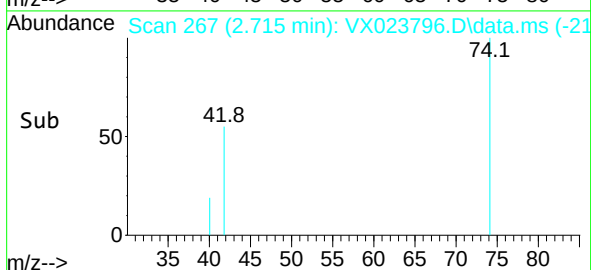
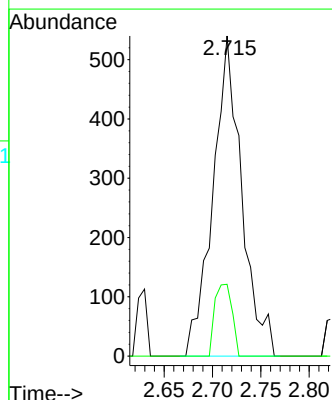
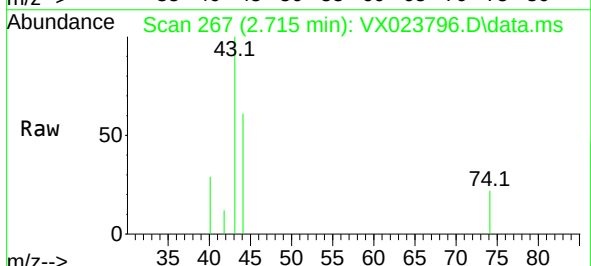
Instrument :
MSVOA_X
ClientSampled :
23S

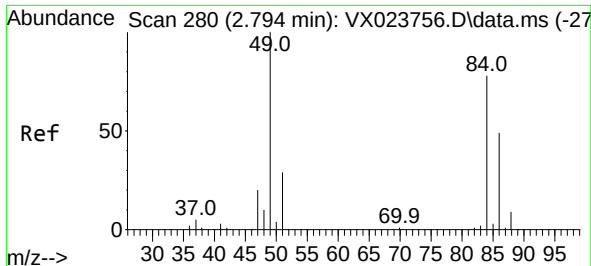
Tgt Ion: 43 Resp: 13021
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#18
Methyl Acetate
Concen: 0.541 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
74 13.4 21.9 32.9#

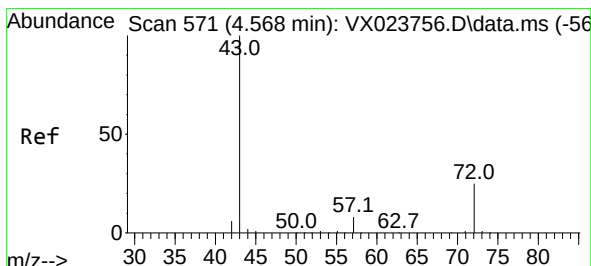
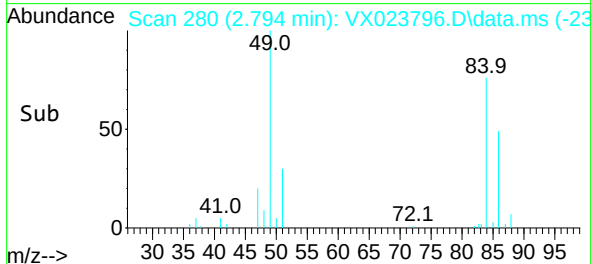
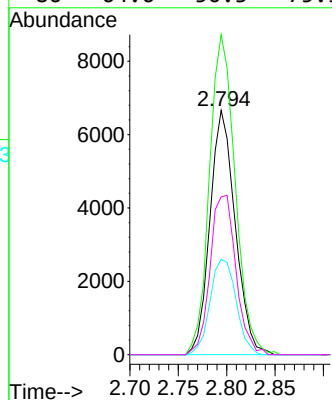
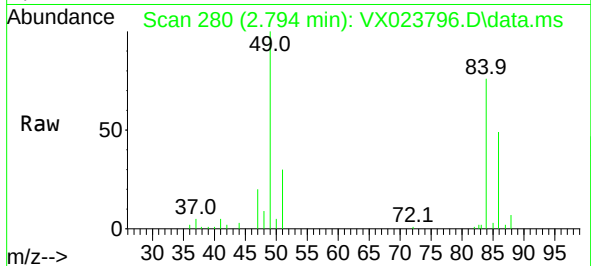




#20
Methylene Chloride
Concen: 7.649 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

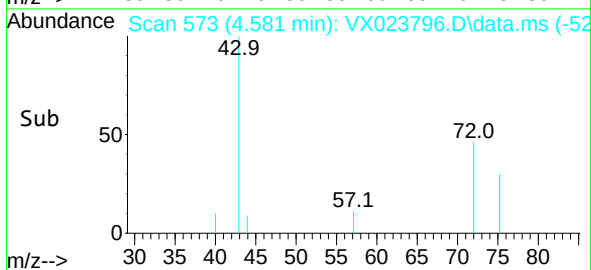
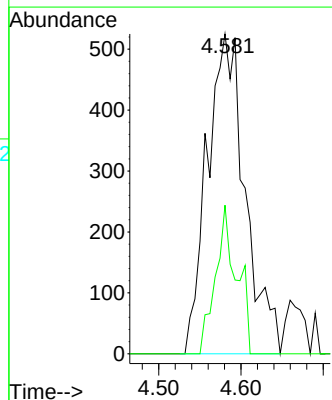
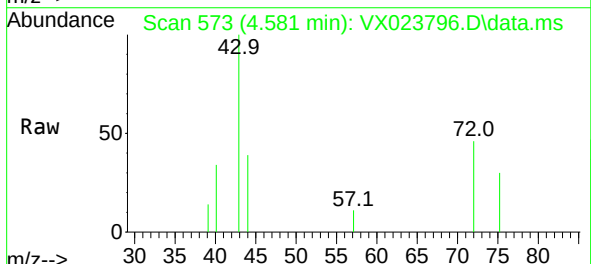
Instrument :
MSVOA_X
ClientSampled :
23S

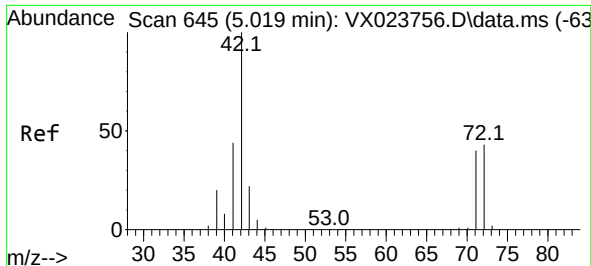
Tgt Ion:	84	Resp:	12095
Ion	Ratio	Lower	Upper
84	100		
49	131.0	88.6	132.8
51	39.0	27.0	40.6
86	64.6	50.3	75.5



#25
2-Butanone
Concen: 1.343 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion:	43	Resp:	1684
Ion	Ratio	Lower	Upper
43	100		
72	46.5	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.735 ug/l

RT: 5.038 min Scan# 648

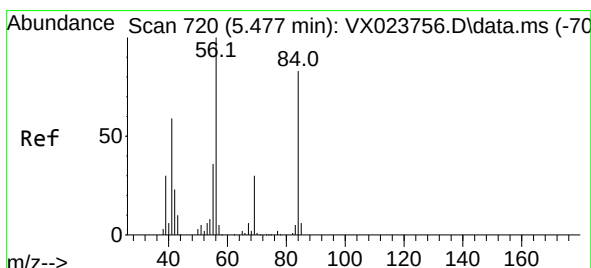
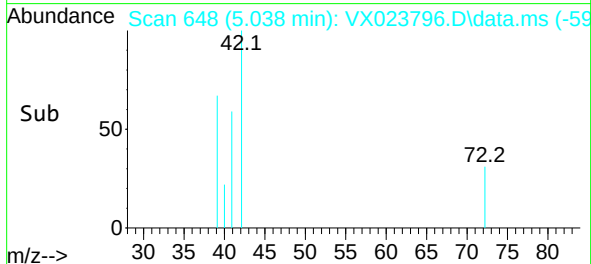
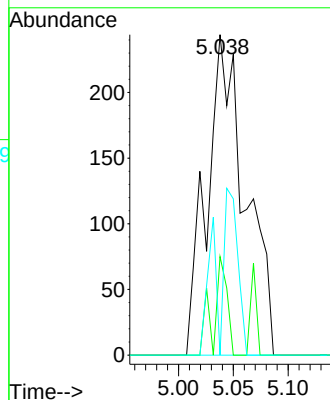
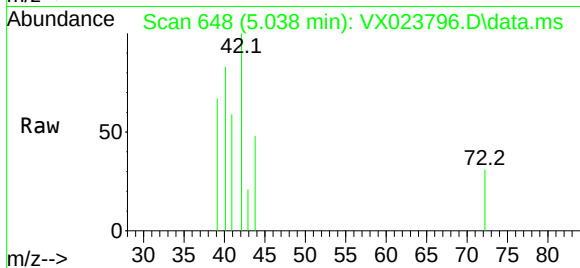
Delta R.T. 0.019 min

Lab File: VX023796.D

Acq: 18 Aug 2021 05:03

Tgt Ion:	42	Resp:	597
Ion	Ratio	Lower	Upper
42	100		
72	10.9	41.7	62.5#
71	18.4	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
23S



#31

Cyclohexane

Concen: 1.214 ug/l

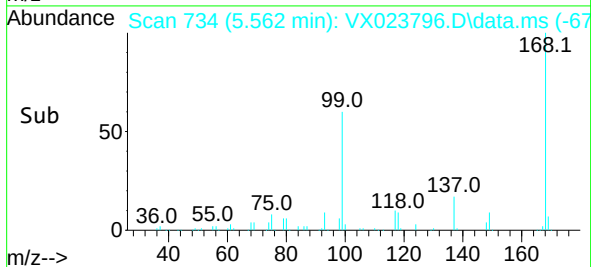
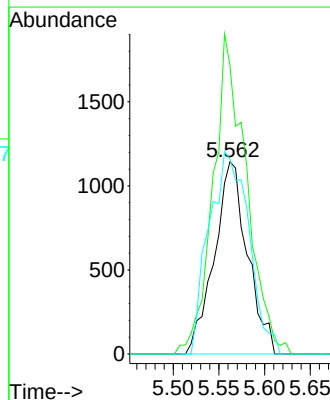
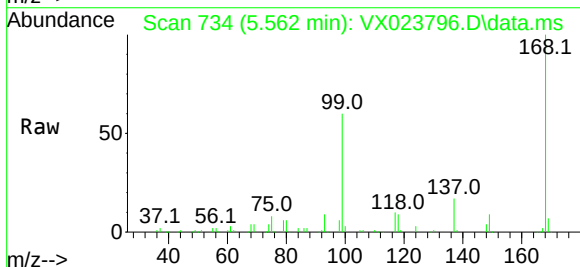
RT: 5.562 min Scan# 734

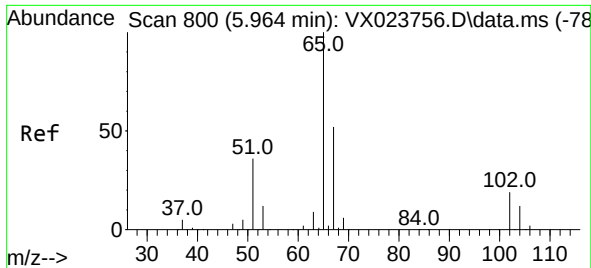
Delta R.T. 0.085 min

Lab File: VX023796.D

Acq: 18 Aug 2021 05:03

Tgt Ion:	56	Resp:	2888
Ion	Ratio	Lower	Upper
56	100		
69	145.8	25.3	37.9#
84	101.5	71.4	107.0

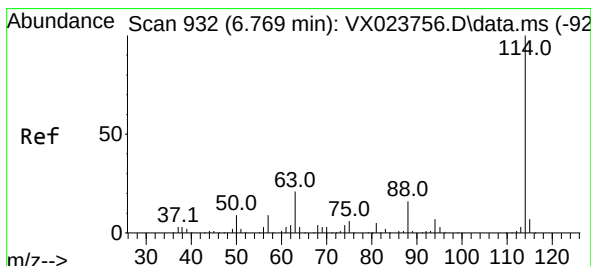
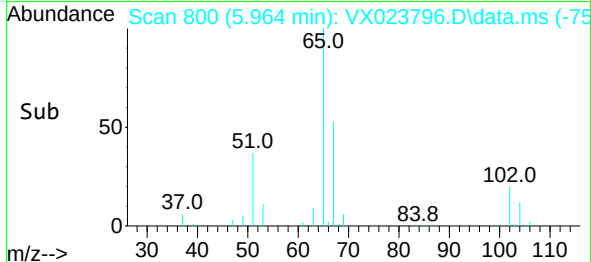
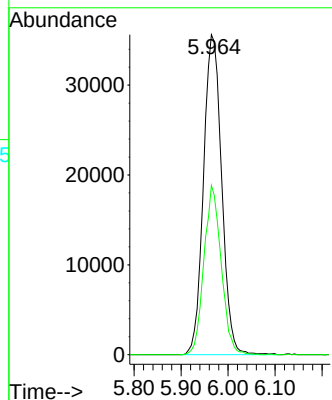
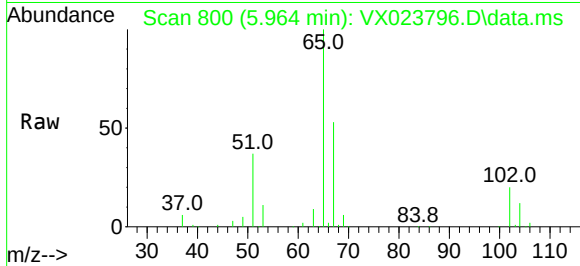




#33
 1,2-Dichloroethane-d4
 Concen: 51.659 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023796.D
 Acq: 18 Aug 2021 05:03

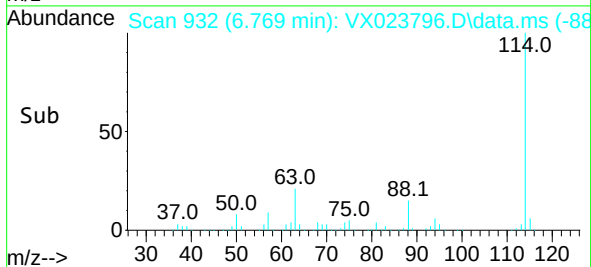
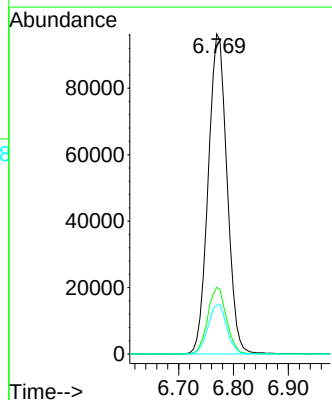
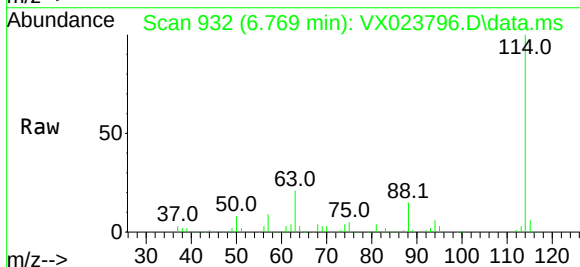
Instrument :
 MSVOA_X
 ClientSampled :
 23S

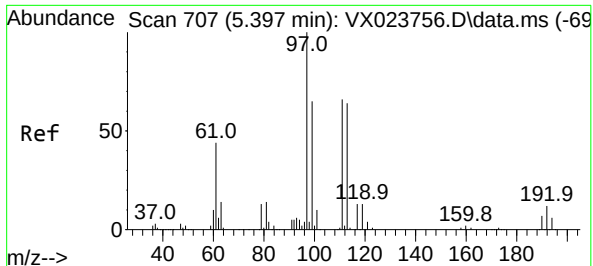
Tgt Ion: 65 Resp: 95638
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023796.D
 Acq: 18 Aug 2021 05:03

Tgt Ion: 114 Resp: 229050
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.888 ug/l

RT: 5.398 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023796.D

Acq: 18 Aug 2021 05:03

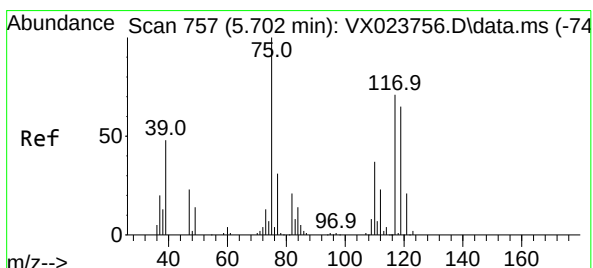
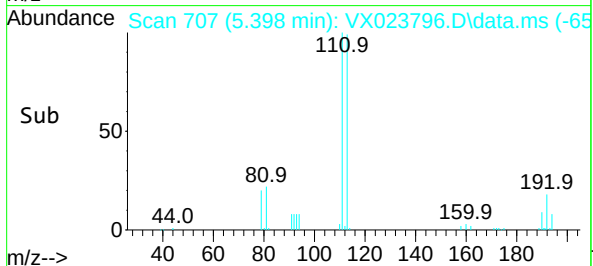
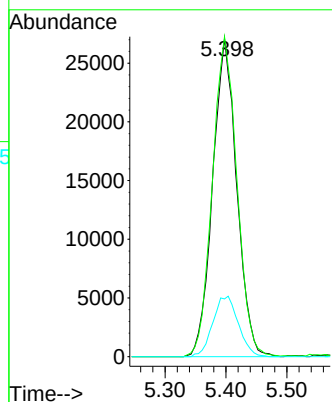
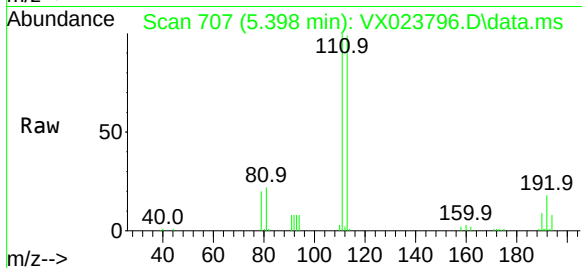
Tgt Ion:113 Resp: 74115

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 20.2 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023796.D

Acq: 18 Aug 2021 05:03

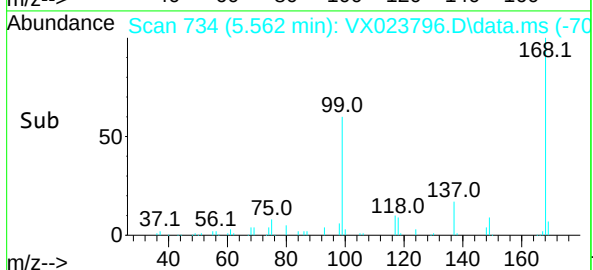
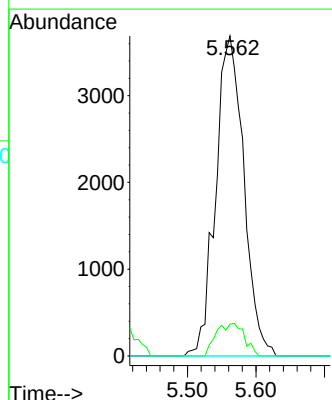
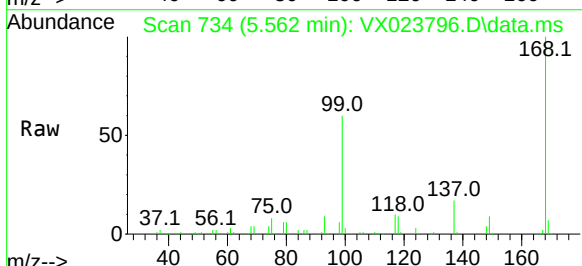
Tgt Ion: 75 Resp: 10500

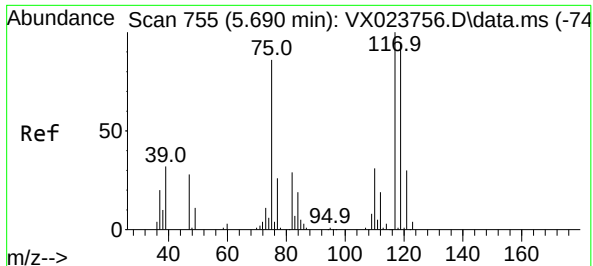
Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

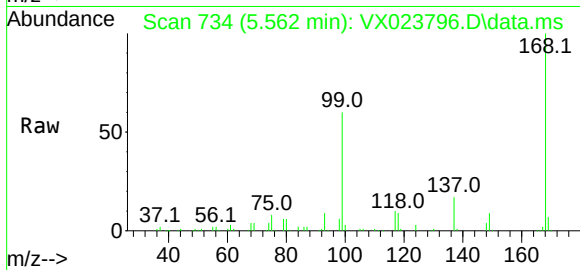
77 0.0 25.3 37.9#



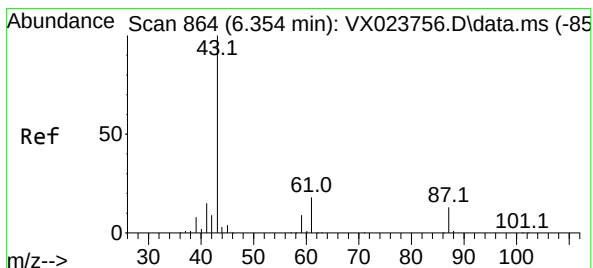
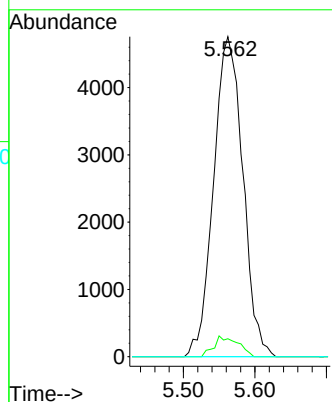
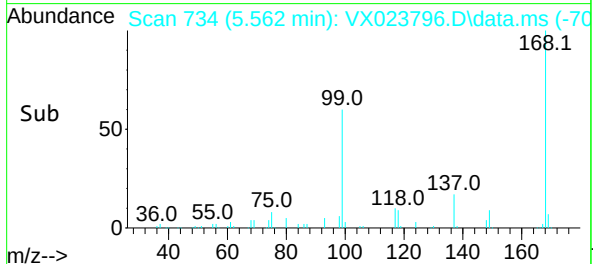


#38
Carbon Tetrachloride
Concen: 6.105 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

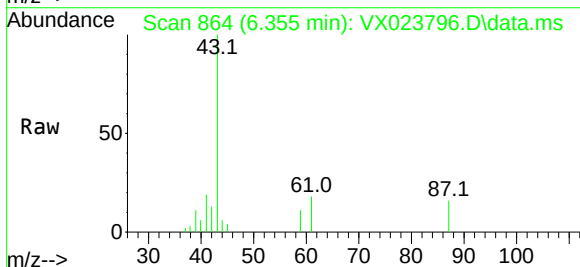
Instrument :
MSVOA_X
ClientSampled :
23S



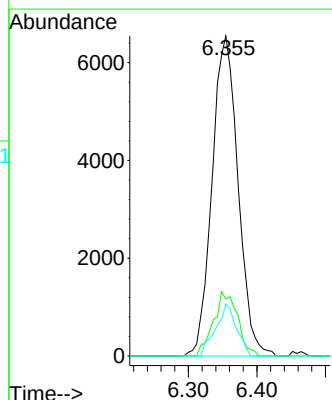
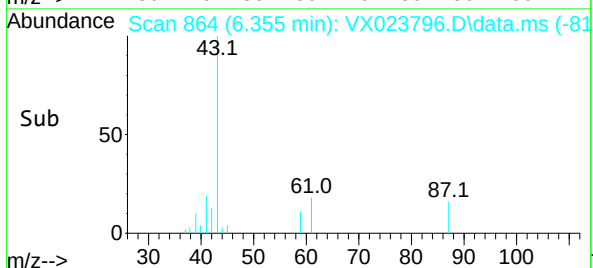
Tgt Ion:117 Resp: 13503
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

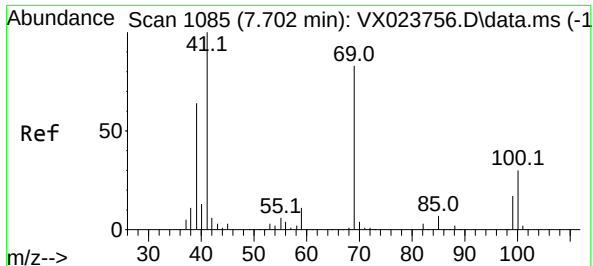


#43
Isopropyl Acetate
Concen: 4.223 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03



Tgt Ion: 43 Resp: 17223
Ion Ratio Lower Upper
43 100
61 18.6 18.2 27.4
87 13.0 12.5 18.7

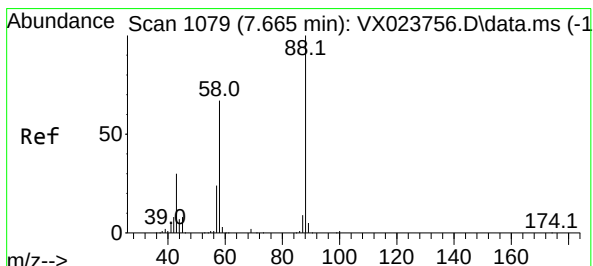
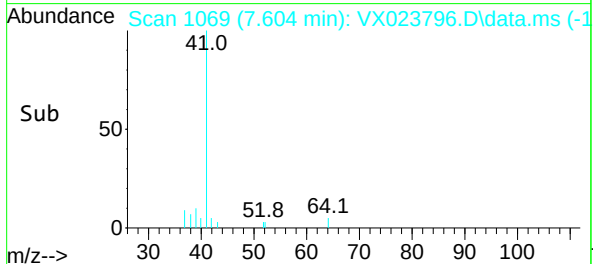
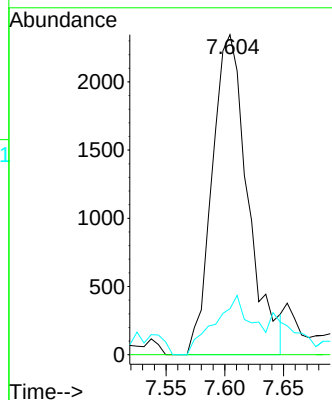
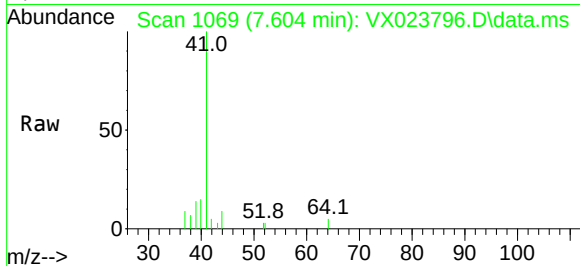




#48
Methyl methacrylate
Concen: 2.488 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

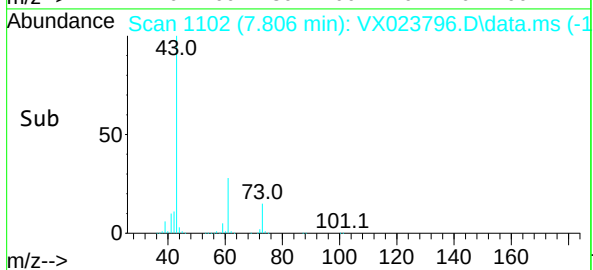
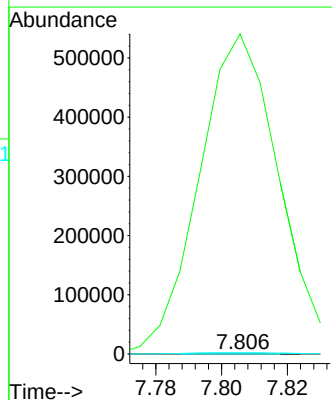
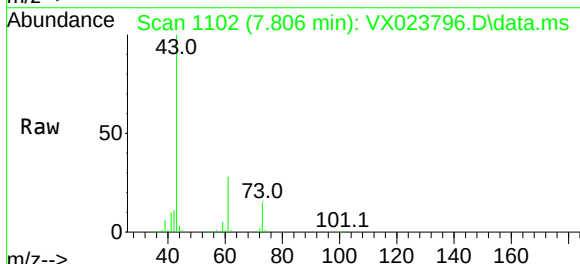
Instrument :
MSVOA_X
ClientSampled :
23S

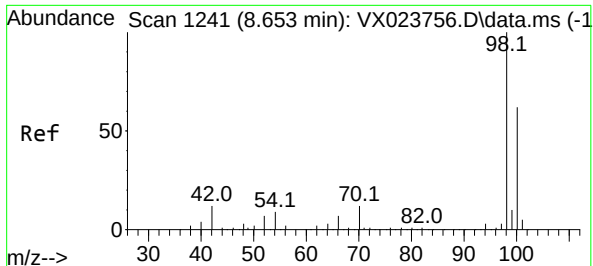
Tgt Ion: 41 Resp: 4950
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.593 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 1368865.7 23.2 34.8#
58 6640.3 55.0 82.4#

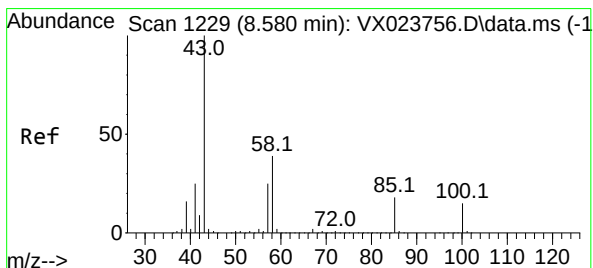
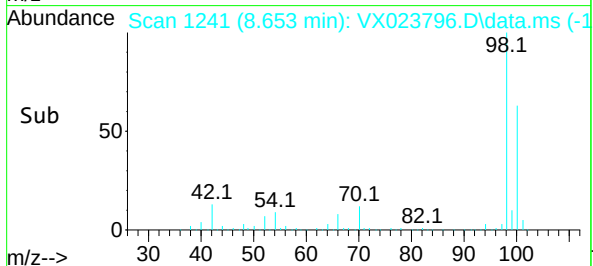
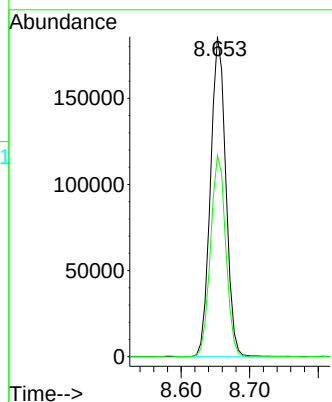
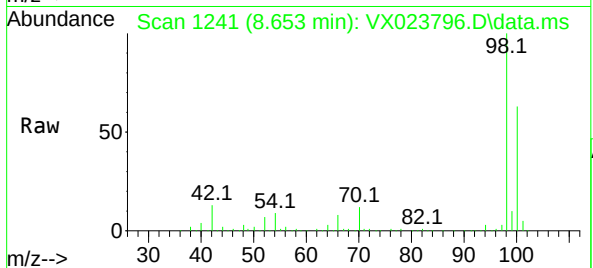




#50
Toluene-d8
Concen: 50.087 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

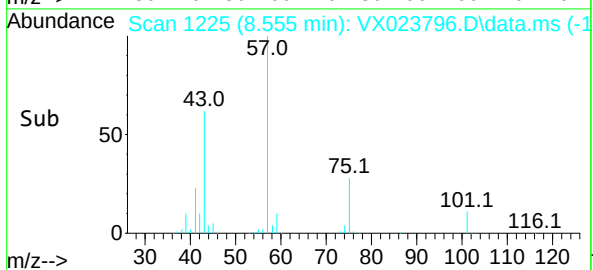
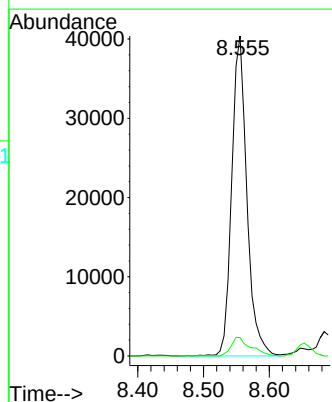
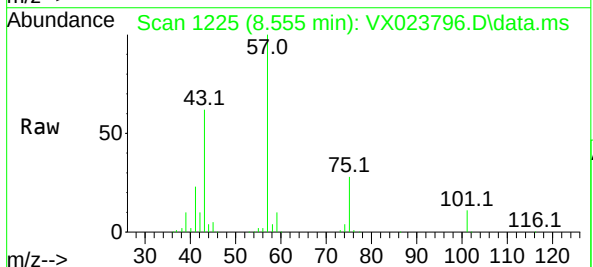
Instrument :
MSVOA_X
ClientSampled :
23S

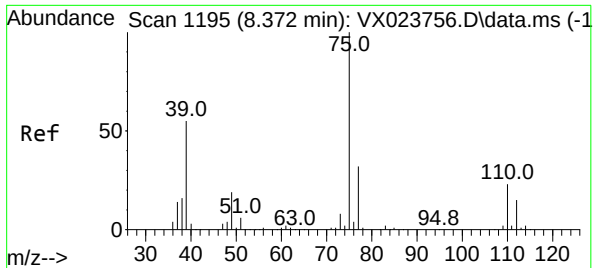
Tgt Ion: 98 Resp: 289003
Ion Ratio Lower Upper
98 100
100 62.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 24.559 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 43 Resp: 64748
Ion Ratio Lower Upper
43 100
58 7.5 35.4 53.0#

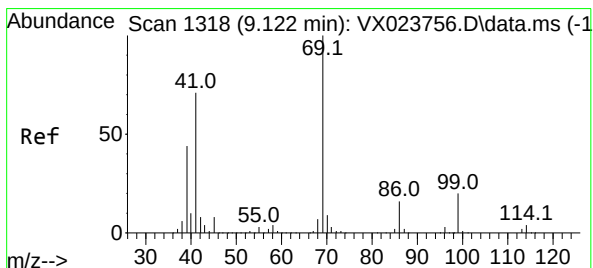
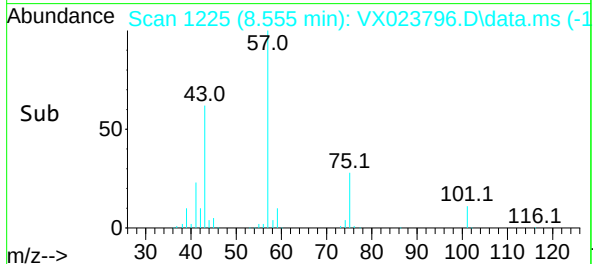
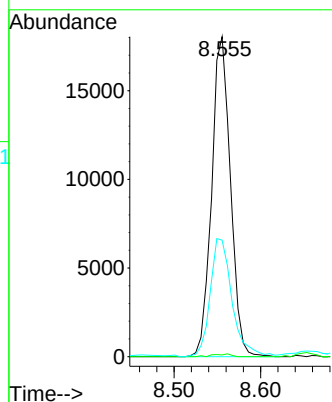
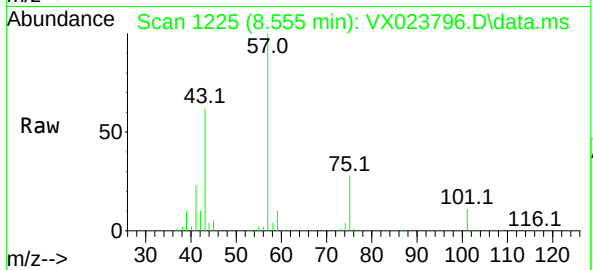




#54
cis-1,3-Dichloropropene
Concen: 10.714 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

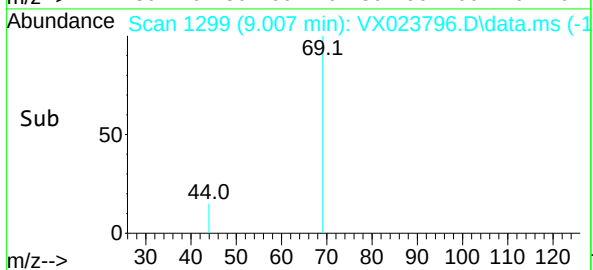
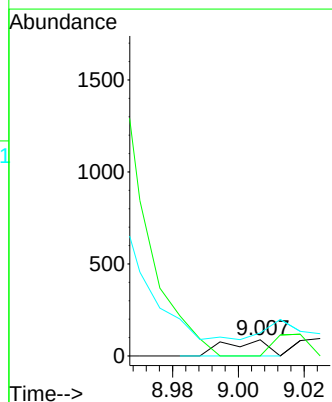
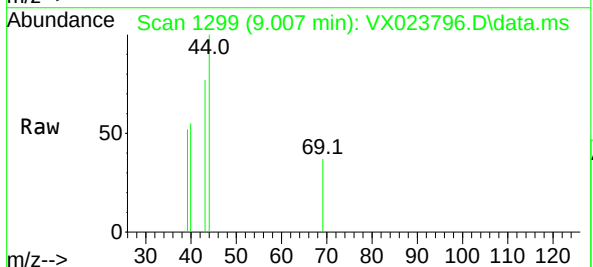
Instrument :
MSVOA_X
ClientSampled :
23S

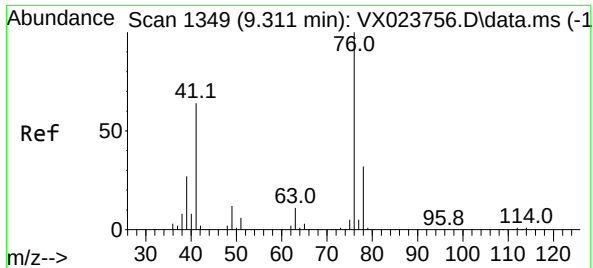
Tgt Ion: 75 Resp: 27220
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 36.4 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.787 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. -0.115 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 69 Resp: 79
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



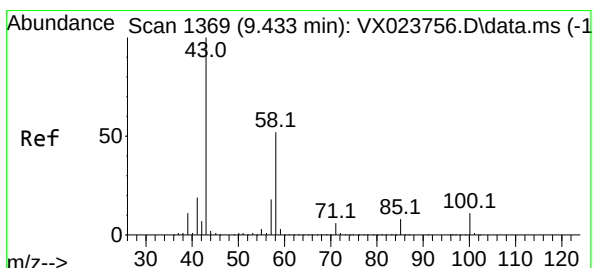
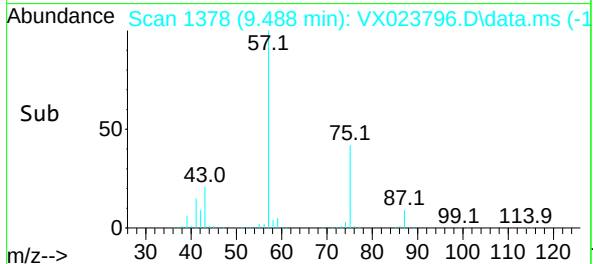
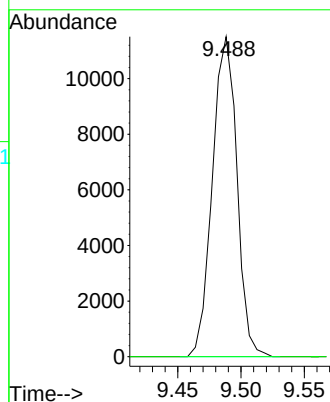
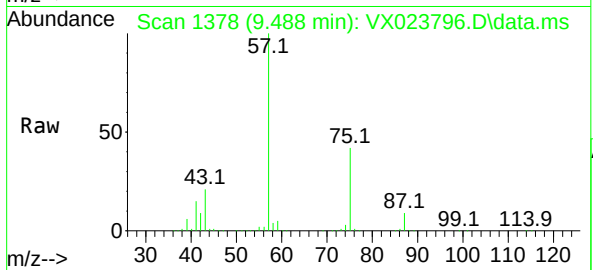


#57

1,3-Dichloropropane
Concen: 5.592 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Instrument :
MSVOA_X
ClientSampled :
23S

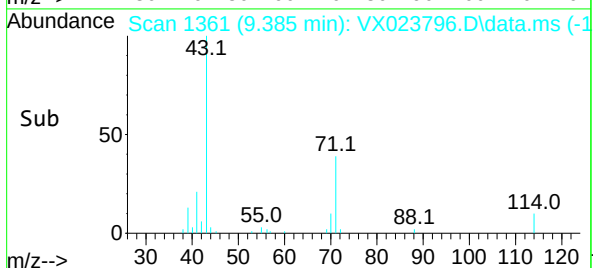
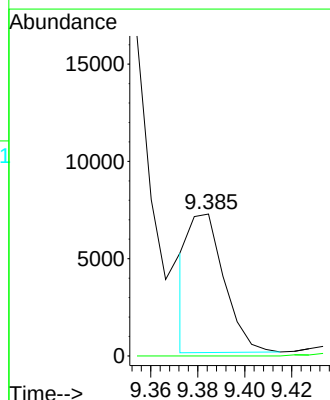
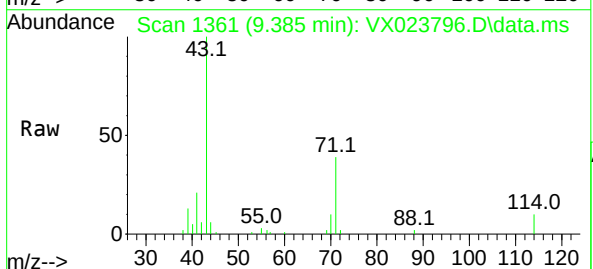
Tgt Ion: 76 Resp: 15518
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

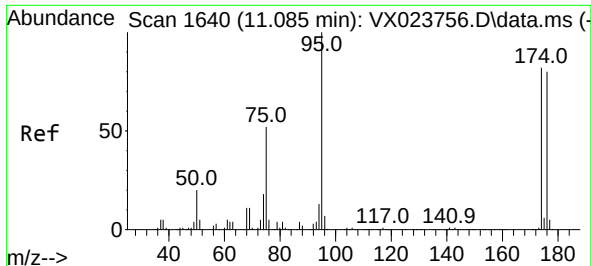


#59

2-Hexanone
Concen: 3.637 ug/l
RT: 9.385 min Scan# 1361
Delta R.T. -0.048 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 43 Resp: 7370
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

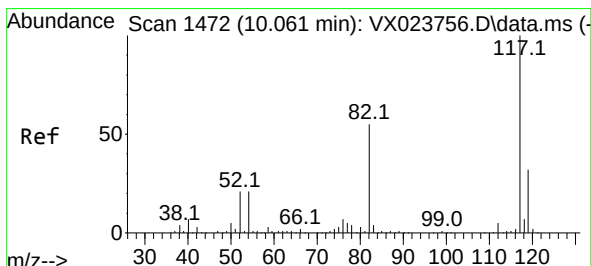
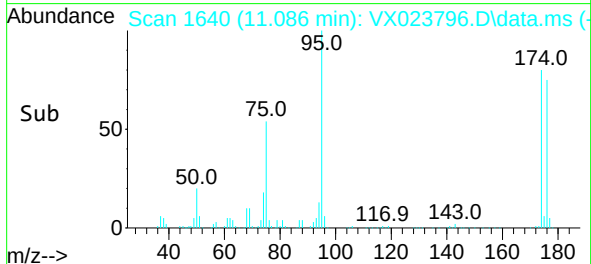
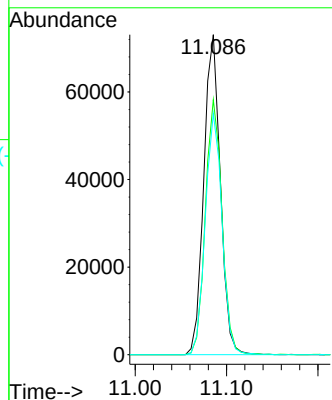
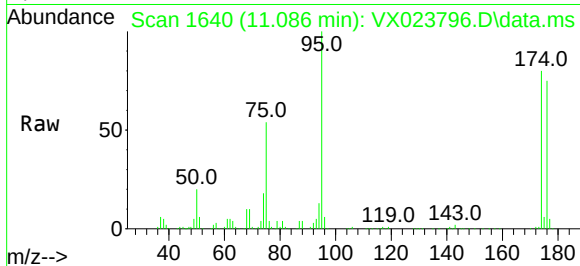




#62
4-Bromofluorobenzene
Concen: 43.149 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

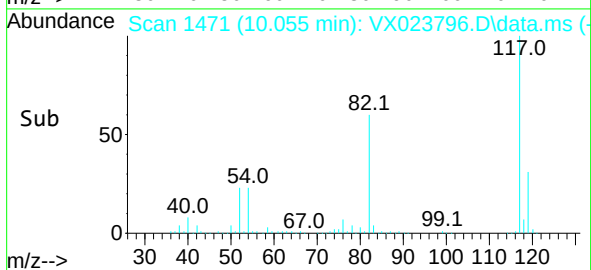
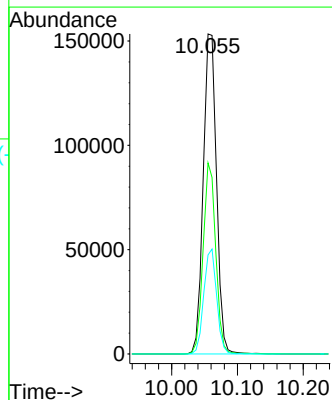
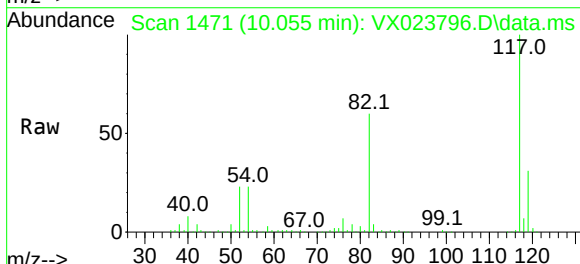
Instrument :
MSVOA_X
ClientSampled :
23S

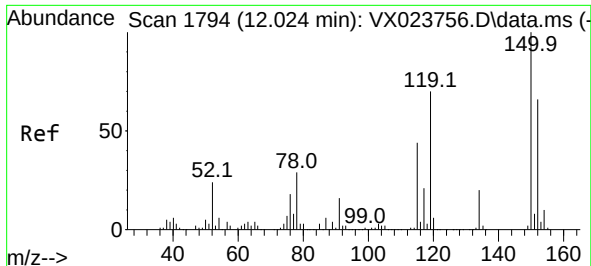
Tgt Ion: 95 Resp: 91653
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 76.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 117 Resp: 215304
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 30.9 26.6 39.8

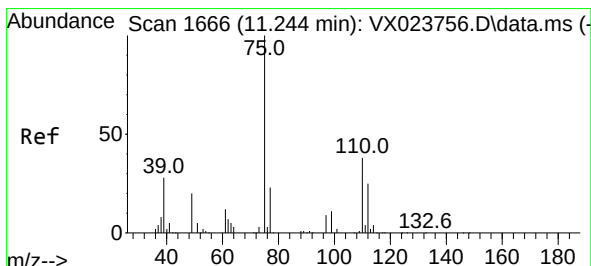
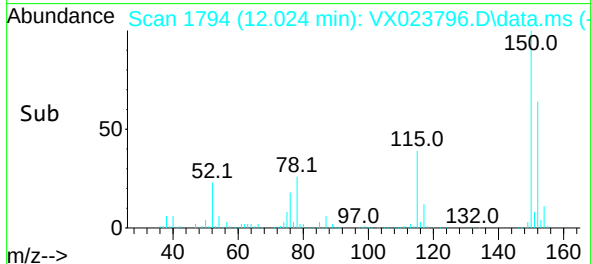
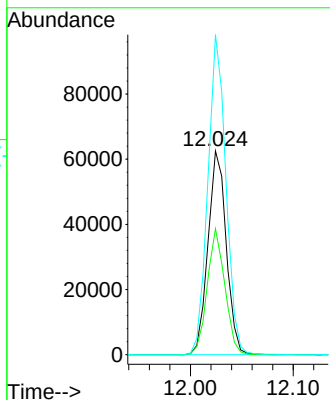
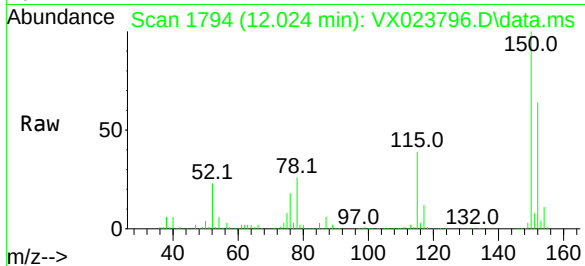




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023796.D
 Acq: 18 Aug 2021 05:03

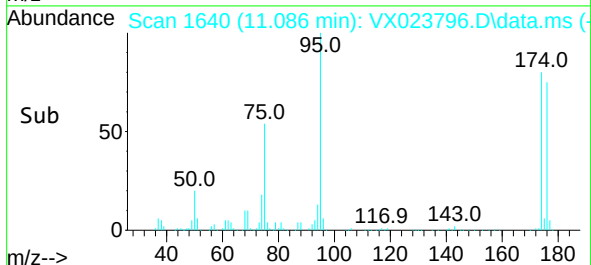
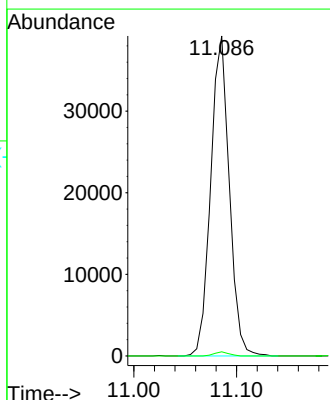
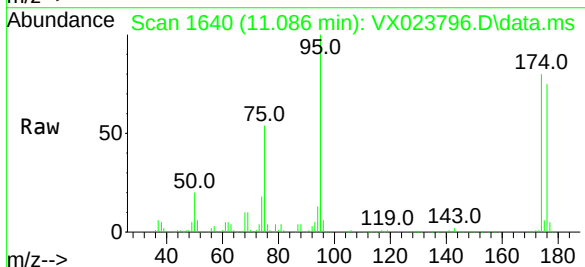
Instrument :
 MSVOA_X
 ClientSampled :
 23S

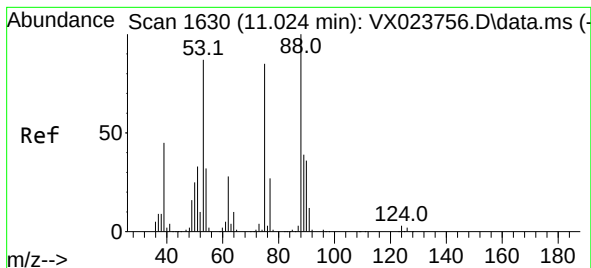
Tgt Ion:152 Resp: 77442
 Ion Ratio Lower Upper
 152 100
 115 59.4 41.1 123.3
 150 155.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.224 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023796.D
 Acq: 18 Aug 2021 05:03

Tgt Ion: 75 Resp: 49180
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

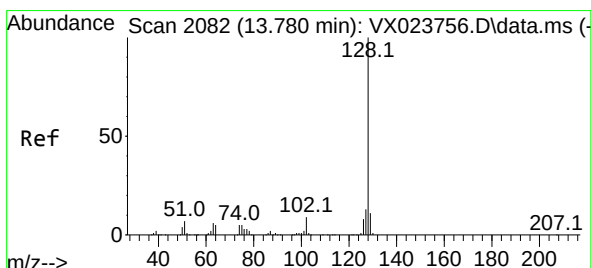
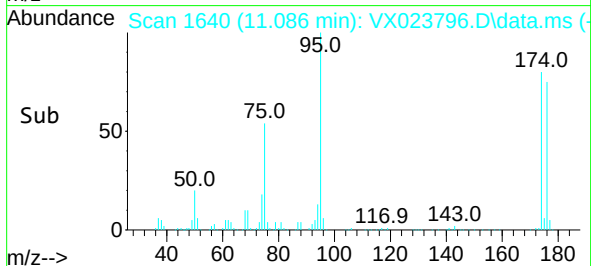
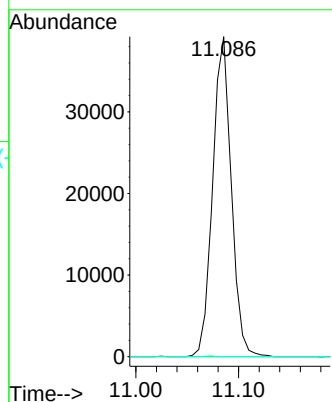
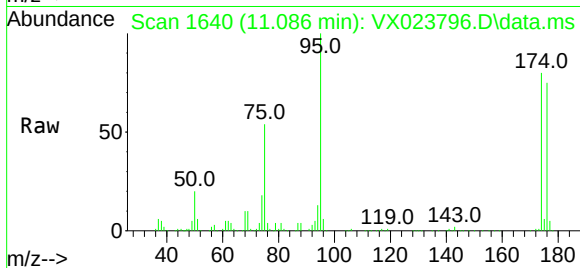




#81
trans-1,4-Dichloro-2-butene
Concen: 80.079 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Instrument :
MSVOA_X
ClientSampled :
23S

Tgt Ion: 75 Resp: 49180
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.297 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023796.D
Acq: 18 Aug 2021 05:03

Tgt Ion: 128 Resp: 84
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

