

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023786.D
 Acq On : 18 Aug 2021 01:07
 Operator : JC/MD
 Sample : M3424-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 18S

Quant Time: Aug 18 07:02:06 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)

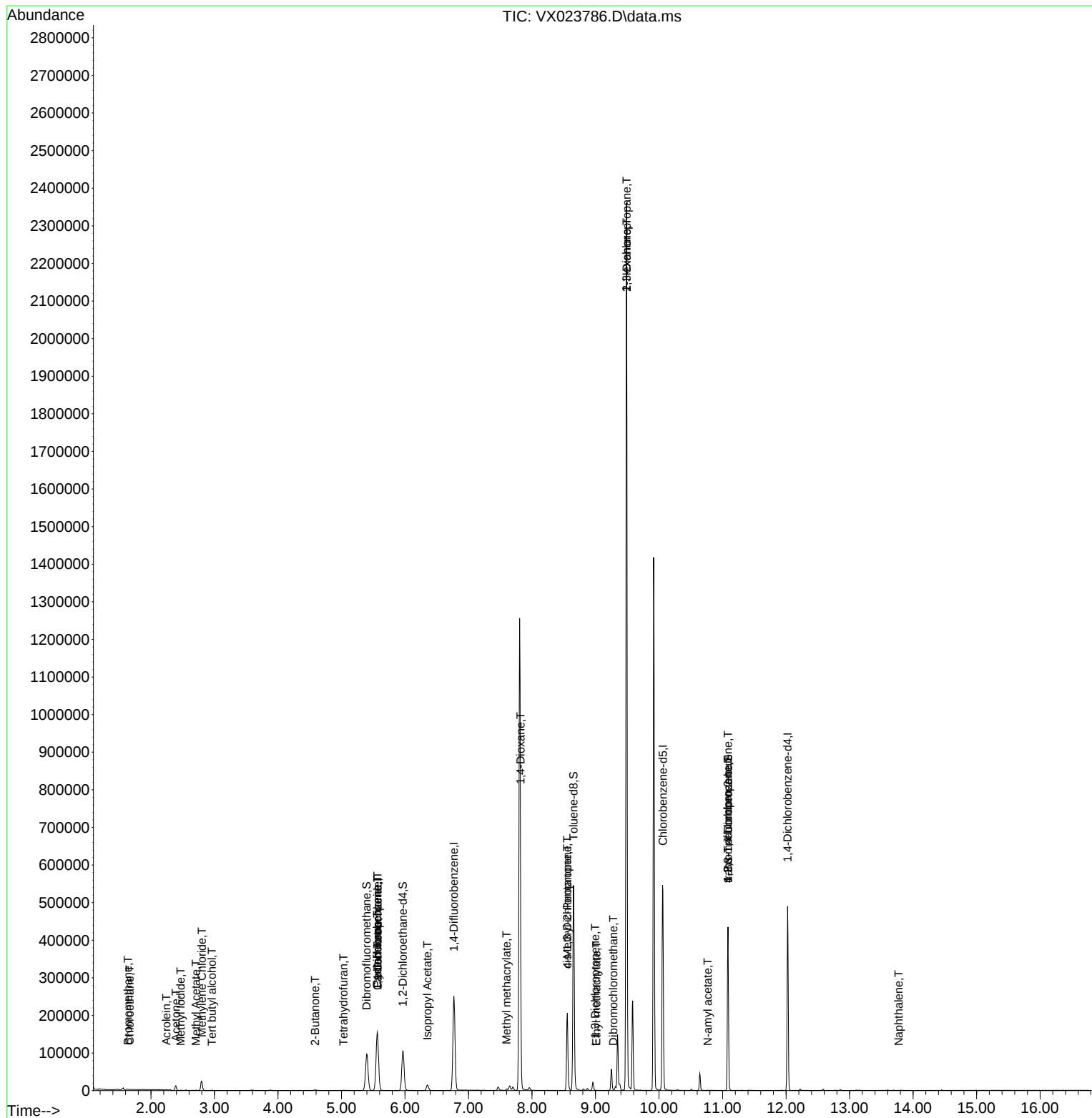
Internal Standards						
1) Pentafluorobenzene	5.562	168	144044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	248016	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	241348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103192	51.329	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.660%	
35) Dibromofluoromethane	5.397	113	80601	49.100	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.200%	
50) Toluene-d8	8.653	98	315809	50.547	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.100%	
62) 4-Bromofluorobenzene	11.085	95	106373	46.249	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	584	0.571	ug/l #	56
6) Chloroethane	1.666	64	230	2.379	ug/l #	43
10) Methyl Iodide	2.465	142	585	0.291	ug/l #	92
11) Tert butyl alcohol	2.959	59	448	1.102	ug/l #	73
13) Acrolein	2.239	56	102	0.422	ug/l #	63
16) Acetone	2.392	43	13371	14.875	ug/l	90
18) Methyl Acetate	2.709	43	1036	0.462	ug/l #	68
20) Methylene Chloride	2.800	84	11367	6.620	ug/l	93
25) 2-Butanone	4.586	43	1894	1.391	ug/l #	84
29) Tetrahydrofuran	5.031	42	708	0.803	ug/l #	61
31) Cyclohexane	5.562	56	3362	1.302	ug/l #	33
36) 1,1-Dichloropropene	5.568	75	11238	4.893	ug/l #	49
38) Carbon Tetrachloride	5.568	117	14636	6.111	ug/l #	17
43) Isopropyl Acetate	6.354	43	20178	4.569	ug/l	92
48) Methyl methacrylate	7.598	41	6054	2.810	ug/l #	10
49) 1,4-Dioxane	7.817	88	174	3.822	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	72083	25.251	ug/l #	44
53) t-1,3-Dichloropropene	8.994	75	23	2.145	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	30125	10.950	ug/l #	69
56) Ethyl methacrylate	9.012	69	110	0.794	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	18766	6.245	ug/l #	42
59) 2-Hexanone	9.488	43	274264	124.988	ug/l #	43
60) Dibromochloromethane	9.281	129	24	1.700	ug/l #	11
74) N-amyl acetate	10.768	43	721	0.216	ug/l #	40
76) 1,2,3-Trichloropropane	11.085	75	56925	25.196	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56925	74.114	ug/l #	12
95) Naphthalene	13.774	128	183	1.308	ug/l #	69

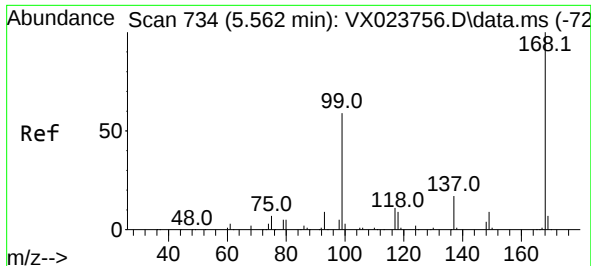
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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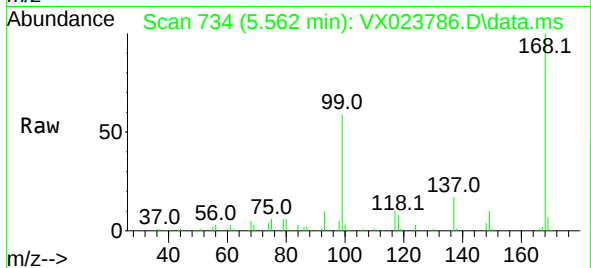
Quant Time: Aug 18 07:02:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
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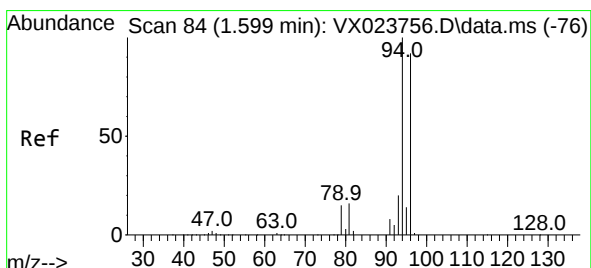
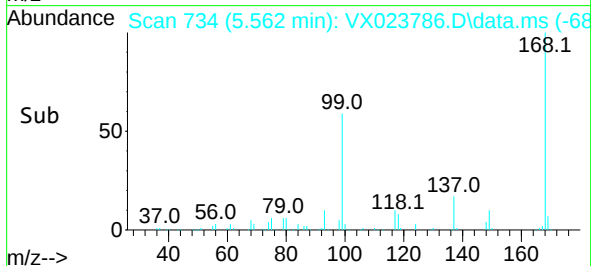
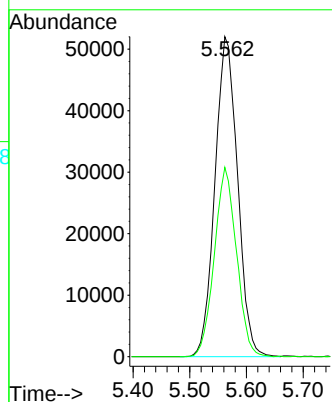


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Instrument :
MSVOA_X
ClientSampled :
18S

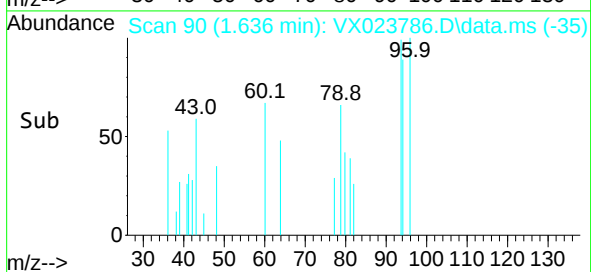
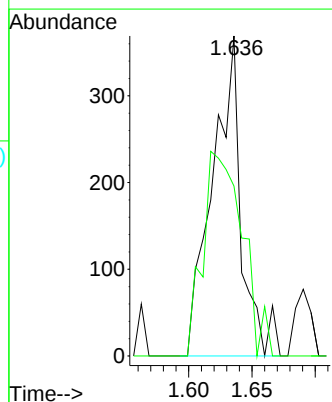
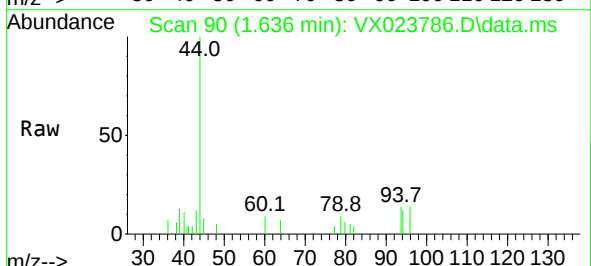


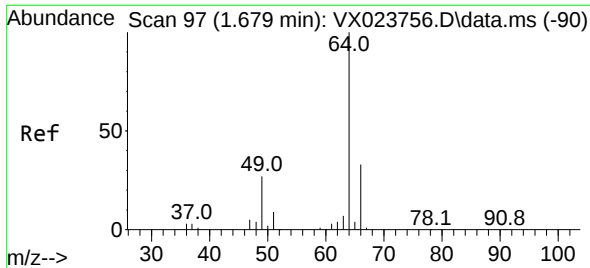
Tgt Ion:168 Resp: 144044
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#5
Bromomethane
Concen: 0.571 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.037 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 94 Resp: 584
Ion Ratio Lower Upper
94 100
96 53.1 76.4 114.6#

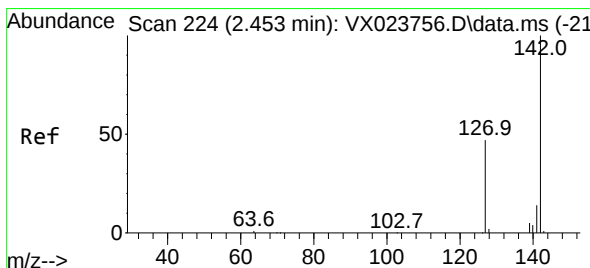
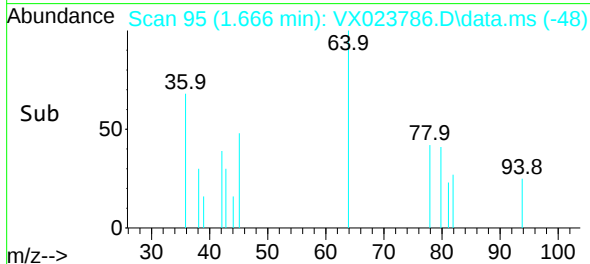
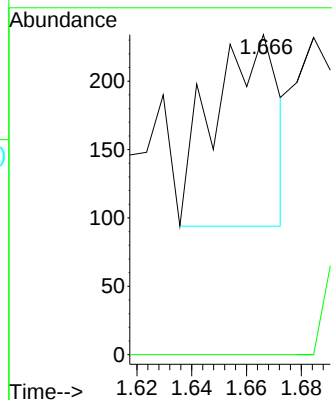
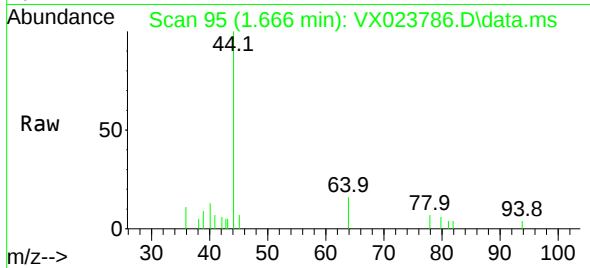




#6
Chloroethane
Concen: 2.379 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.013 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

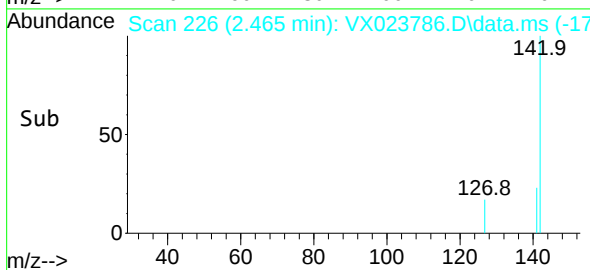
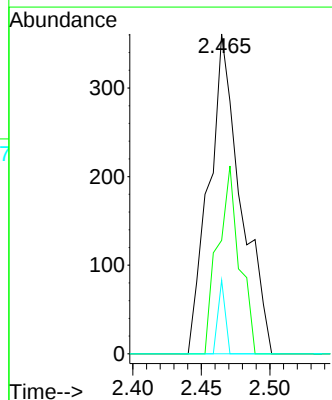
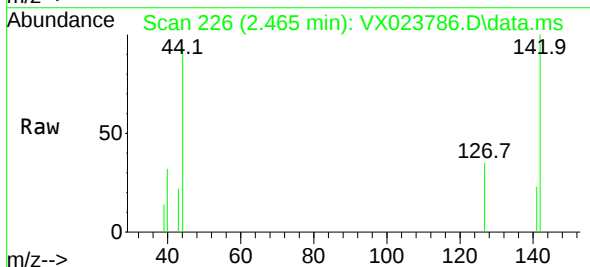
Instrument :
MSVOA_X
ClientSampled :
18S

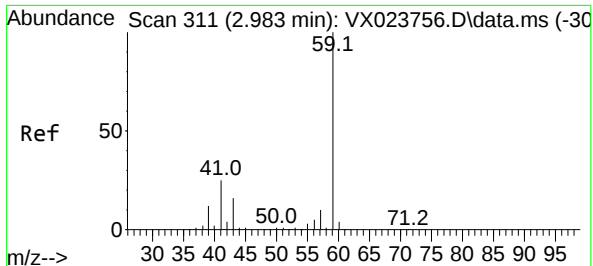
Tgt Ion: 64 Resp: 230
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.291 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 142 Resp: 585
Ion Ratio Lower Upper
142 100
127 39.8 33.3 49.9
141 5.1 11.4 17.0#



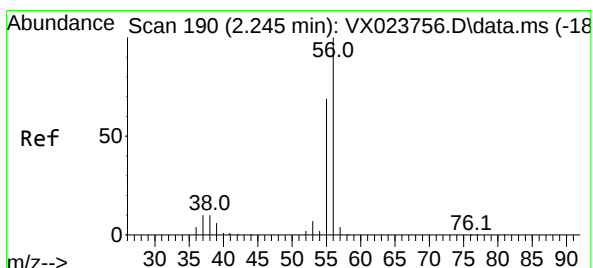
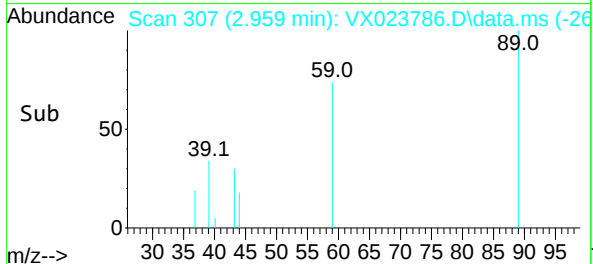
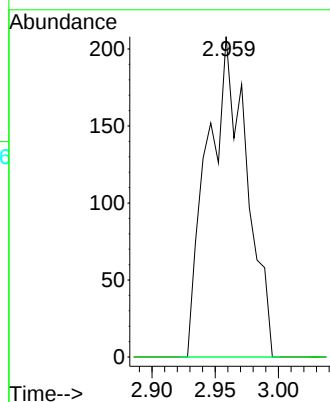
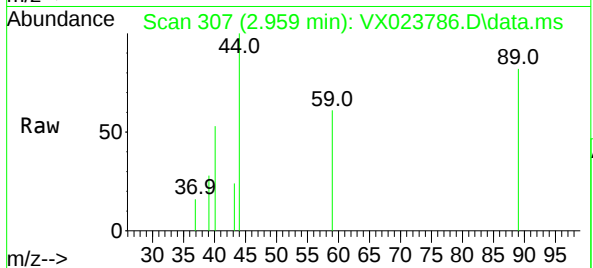


#11

Tert butyl alcohol
Concen: 1.102 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Instrument :
MSVOA_X
ClientSampled :
18S

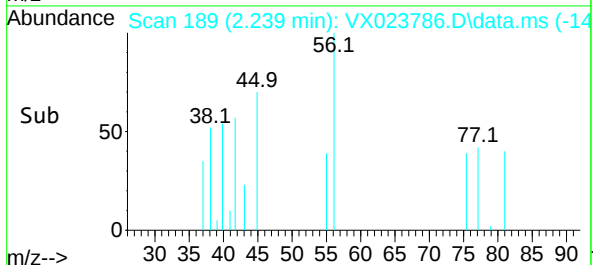
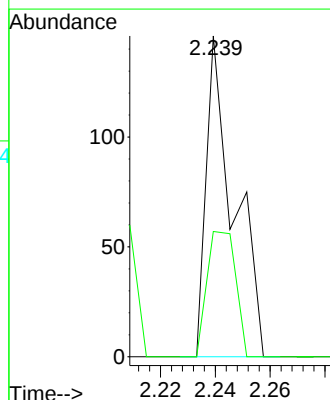
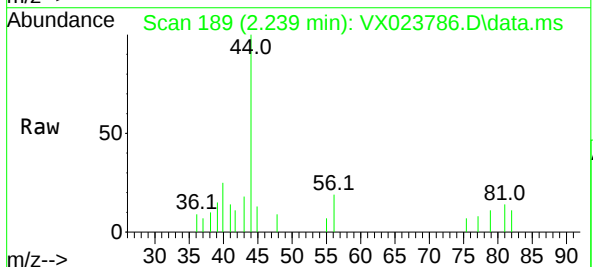
Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

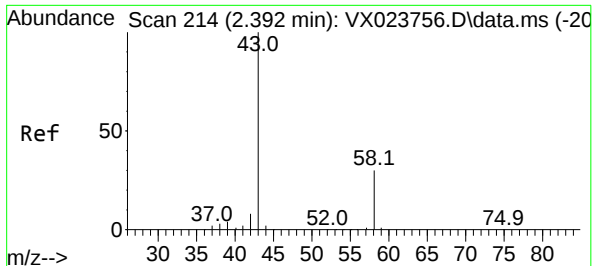


#13

Acrolein
Concen: 0.422 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

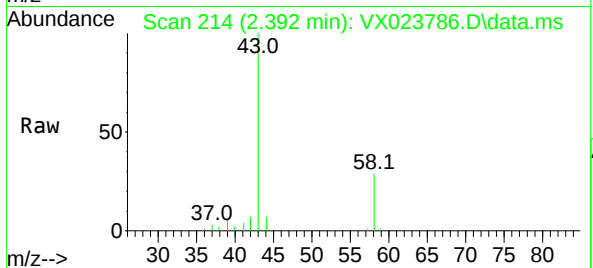
Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 40.2 56.4 84.6#



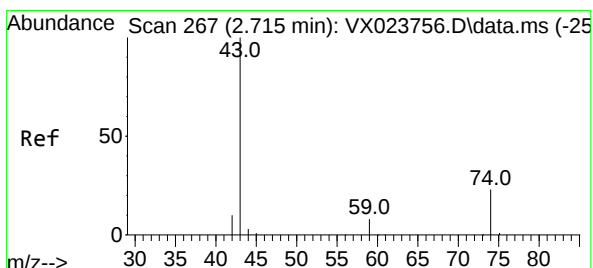
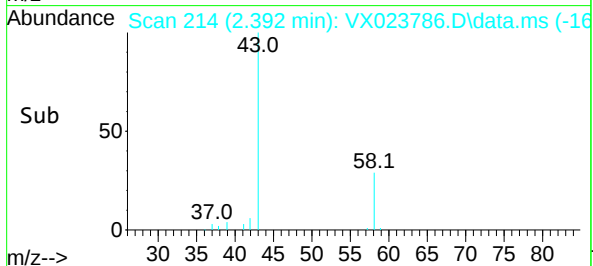
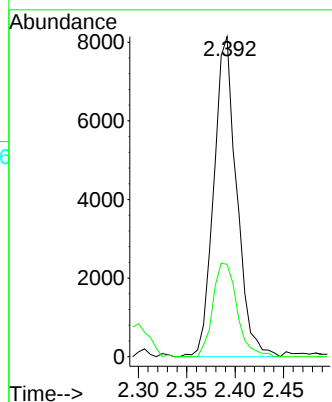


#16
Acetone
Concen: 14.875 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Instrument :
MSVOA_X
ClientSampled :
18S

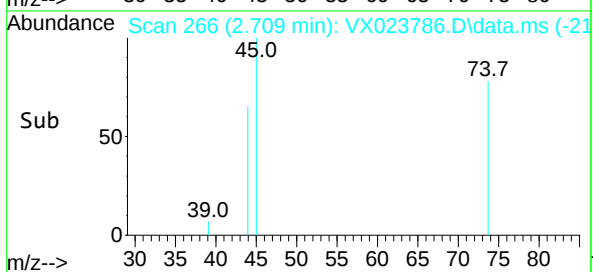
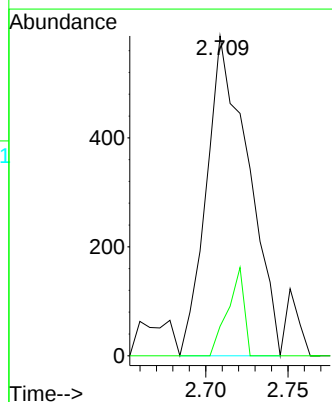
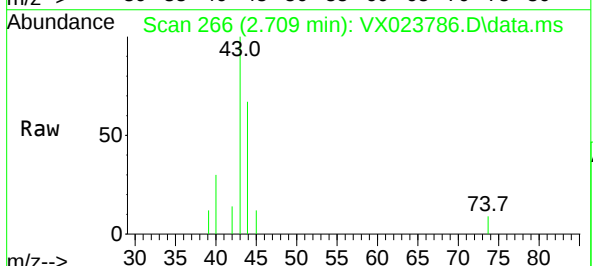


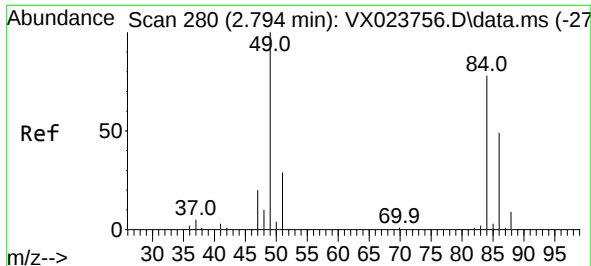
Tgt Ion: 43 Resp: 13371
Ion Ratio Lower Upper
43 100
58 28.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.462 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
74 10.8 21.9 32.9#

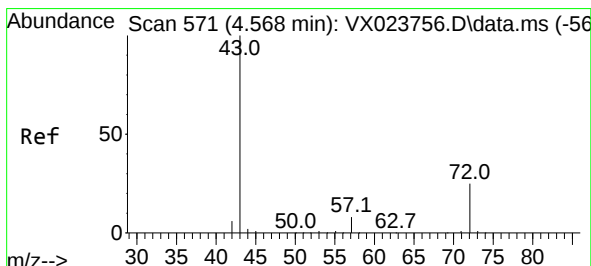
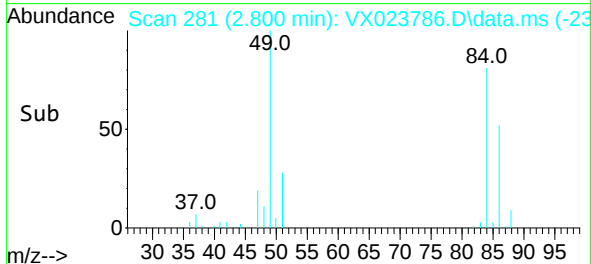
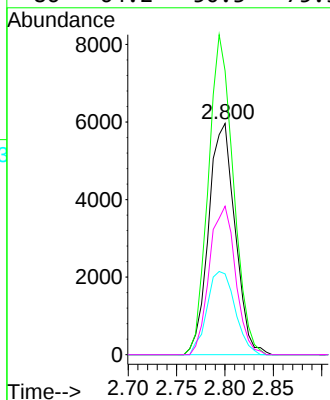
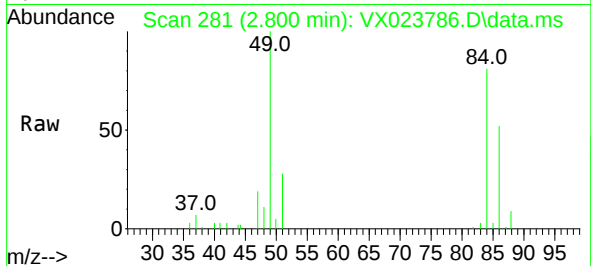




#20
Methylene Chloride
Concen: 6.620 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

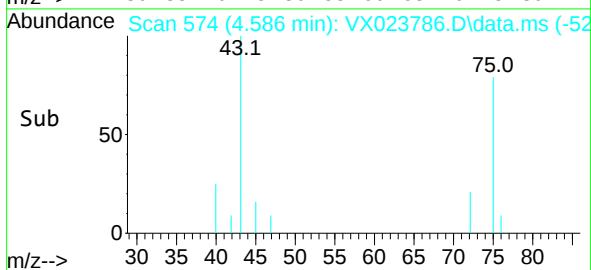
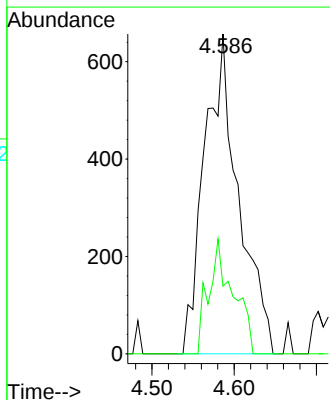
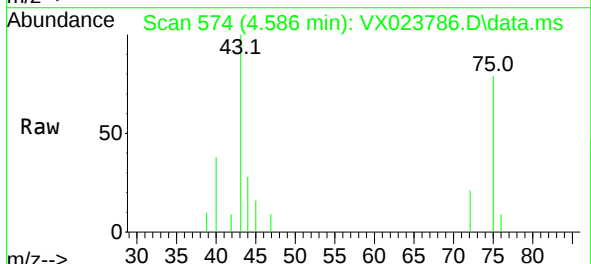
Instrument :
MSVOA_X
ClientSampled :
18S

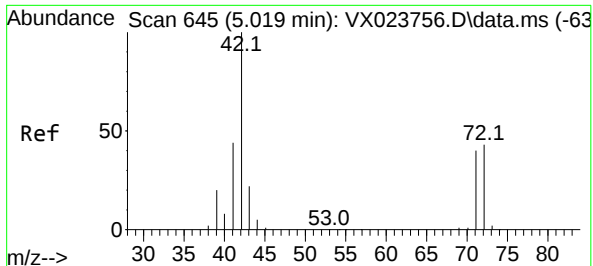
Tgt Ion:	84	Resp:	11367
Ion	Ratio	Lower	Upper
84	100		
49	122.8	88.6	132.8
51	34.9	27.0	40.6
86	64.2	50.3	75.5



#25
2-Butanone
Concen: 1.391 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion:	43	Resp:	1894
Ion	Ratio	Lower	Upper
43	100		
72	21.2	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.803 ug/l

RT: 5.031 min Scan# 647

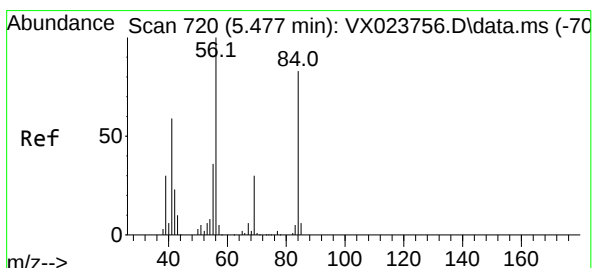
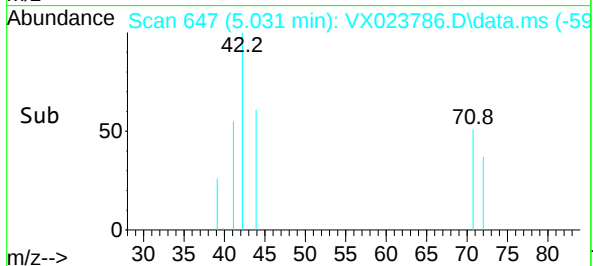
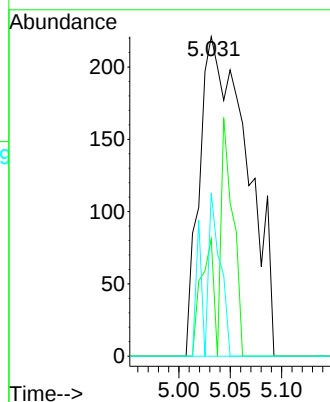
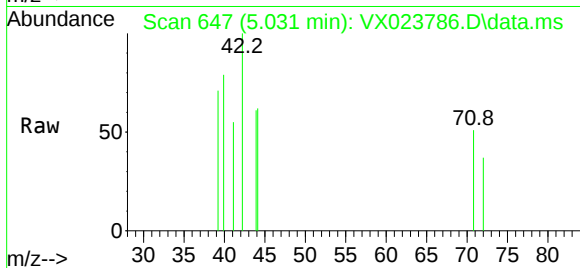
Delta R.T. 0.012 min

Lab File: VX023786.D

Acq: 18 Aug 2021 01:07

Tgt Ion:	42	Resp:	708
Ion	Ratio	Lower	Upper
42	100		
72	28.4	41.7	62.5#
71	17.2	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
18S



#31

Cyclohexane

Concen: 1.302 ug/l

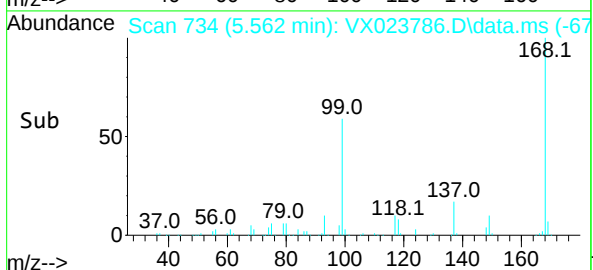
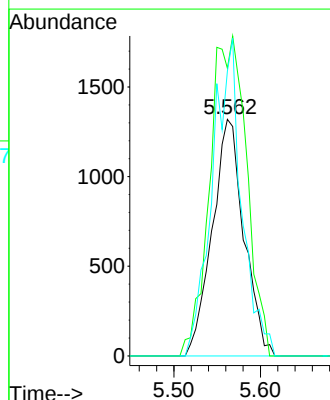
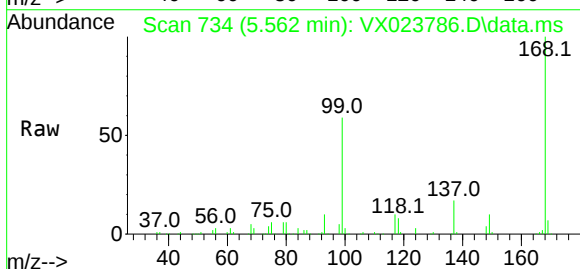
RT: 5.562 min Scan# 734

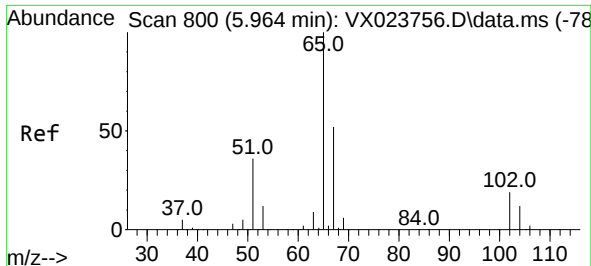
Delta R.T. 0.085 min

Lab File: VX023786.D

Acq: 18 Aug 2021 01:07

Tgt Ion:	56	Resp:	3362
Ion	Ratio	Lower	Upper
56	100		
69	121.6	25.3	37.9#
84	120.4	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.329 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023786.D

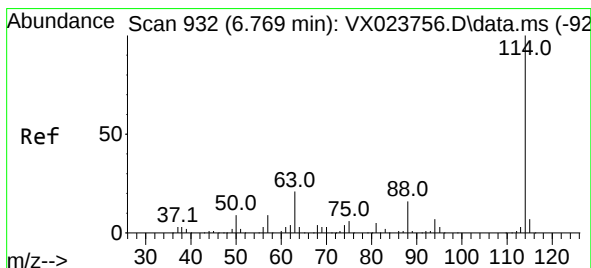
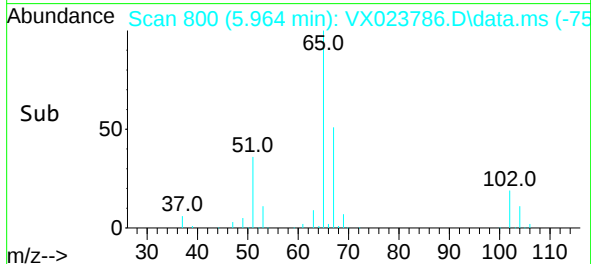
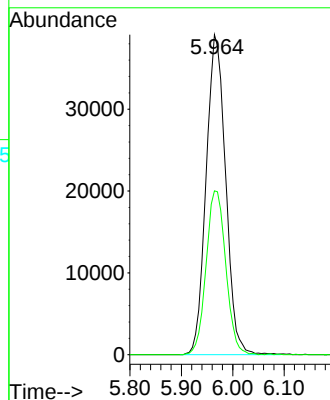
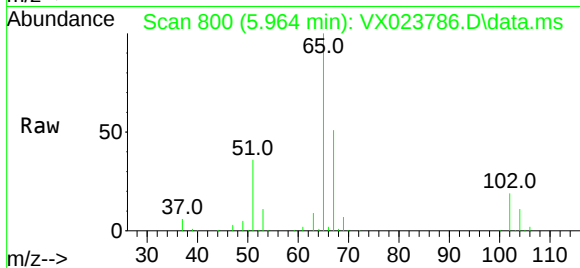
Acq: 18 Aug 2021 01:07

Tgt Ion: 65 Resp: 103192

Ion Ratio Lower Upper

65 100

67 51.6 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: VX023786.D

Acq: 18 Aug 2021 01:07

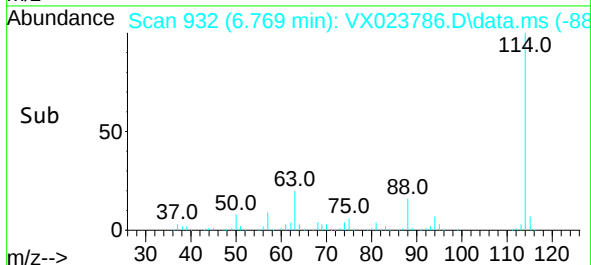
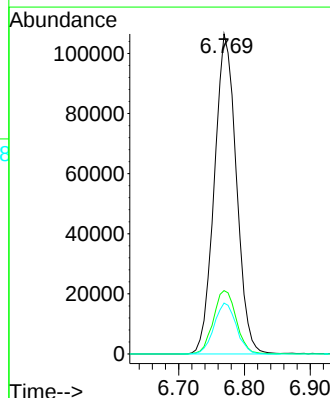
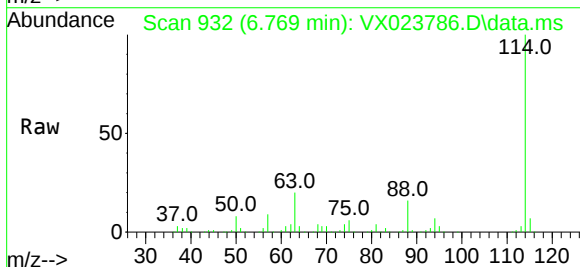
Tgt Ion: 114 Resp: 248016

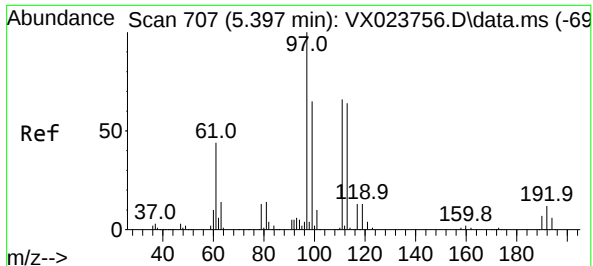
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 15.9 0.0 32.8

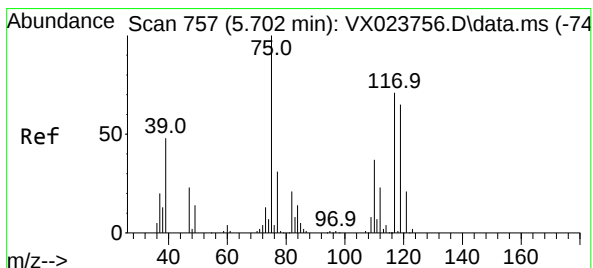
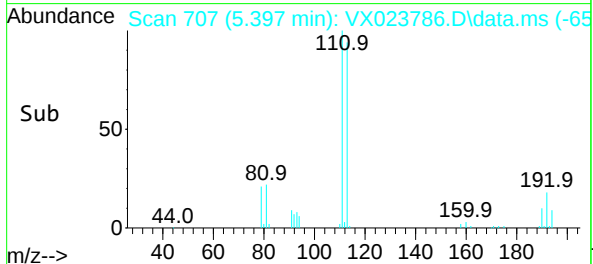
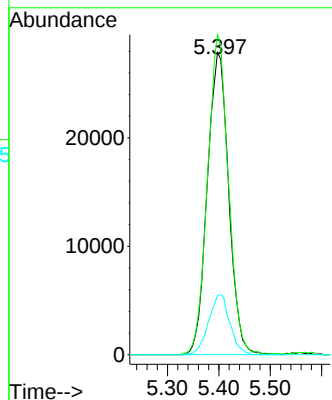
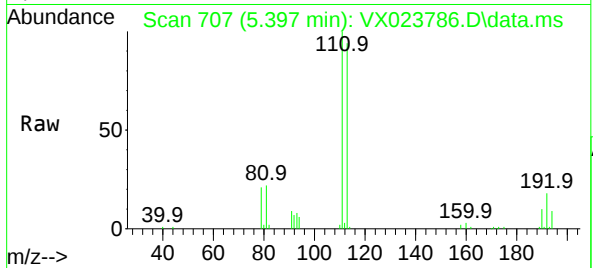




#35
Dibromofluoromethane
Concen: 49.100 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

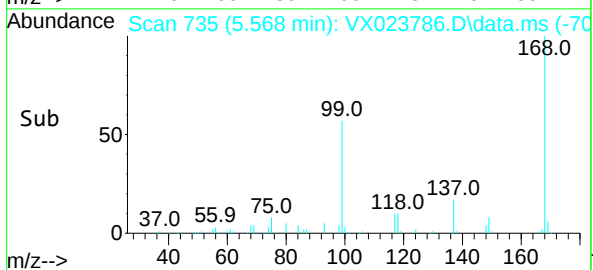
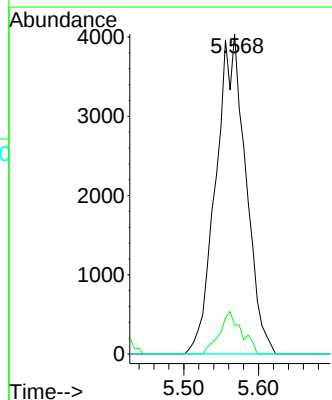
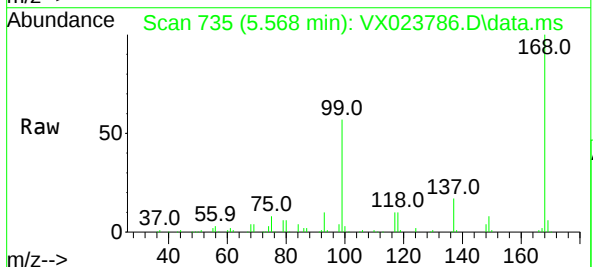
Instrument :
MSVOA_X
ClientSampled :
18S

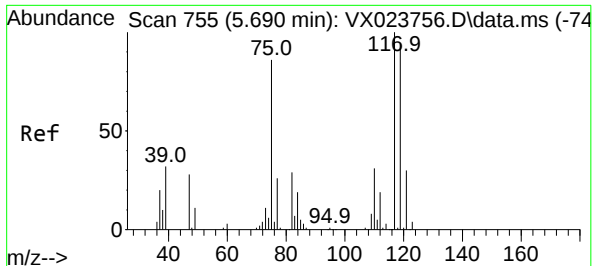
Tgt Ion:113 Resp: 80601
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

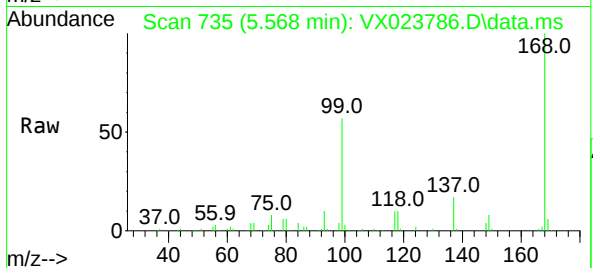
Tgt Ion: 75 Resp: 11238
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



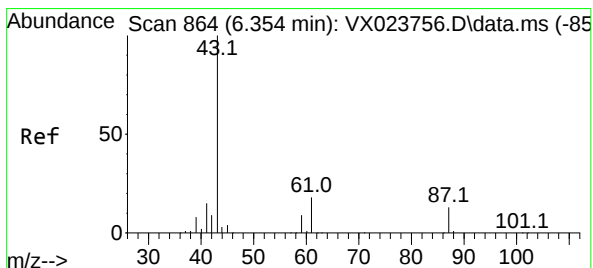
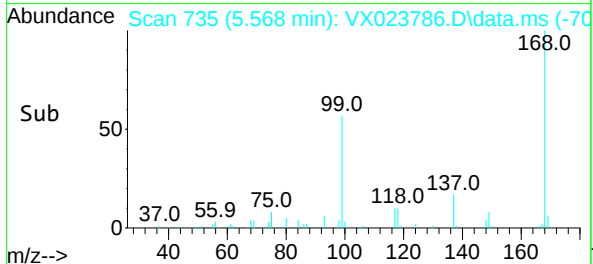
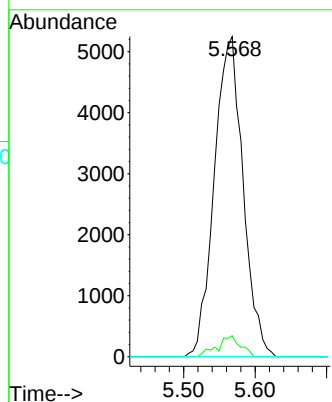


#38
Carbon Tetrachloride
Concen: 6.111 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Instrument :
MSVOA_X
ClientSampled :
18S

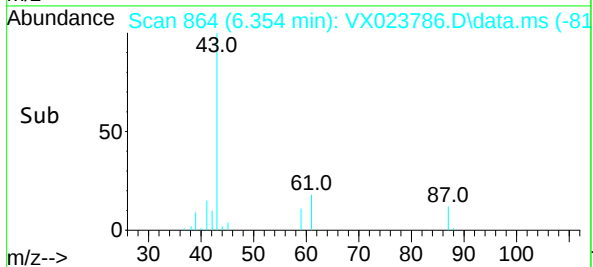
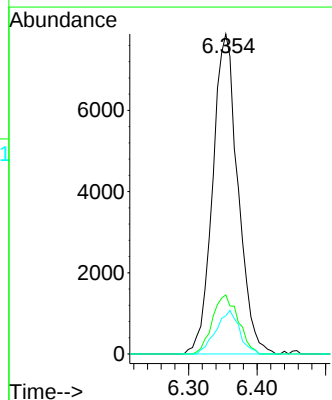
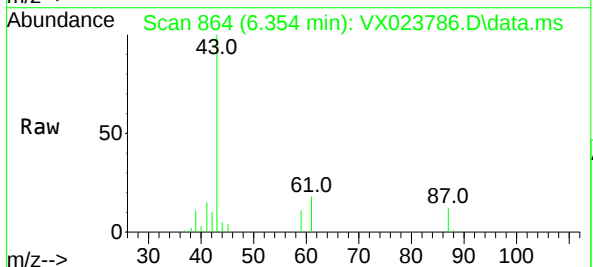


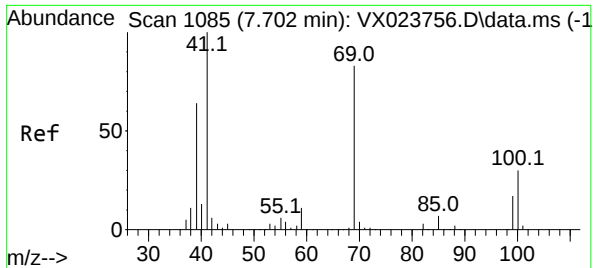
Tgt Ion:117 Resp: 14636
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.569 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 43 Resp: 20178
Ion Ratio Lower Upper
43 100
61 18.9 18.2 27.4
87 12.6 12.5 18.7



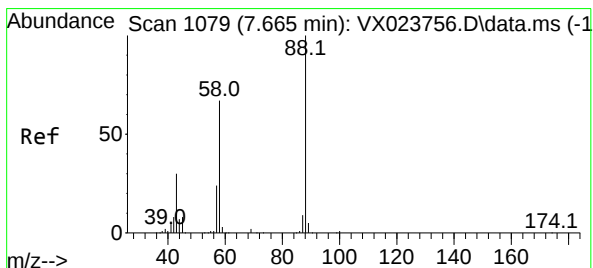
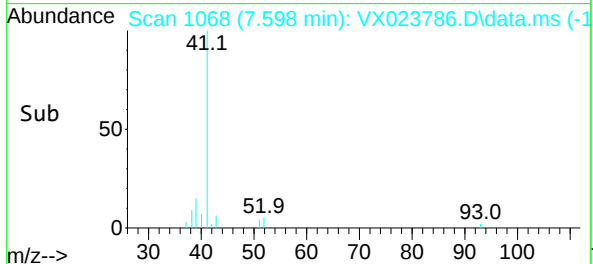
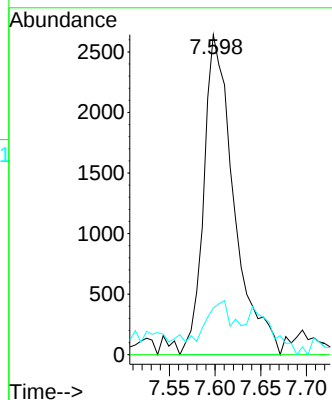
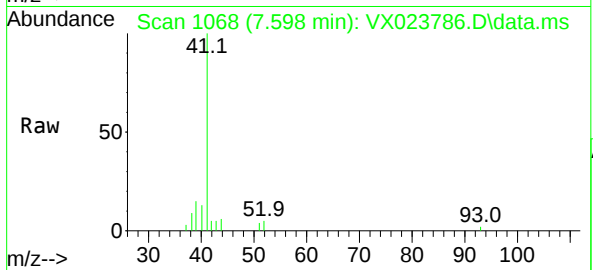


#48

Methyl methacrylate
 Concen: 2.810 ug/l
 RT: 7.598 min Scan# 1068
 Delta R.T. -0.104 min
 Lab File: VX023786.D
 Acq: 18 Aug 2021 01:07

Instrument :
 MSVOA_X
 ClientSampled :
 18S

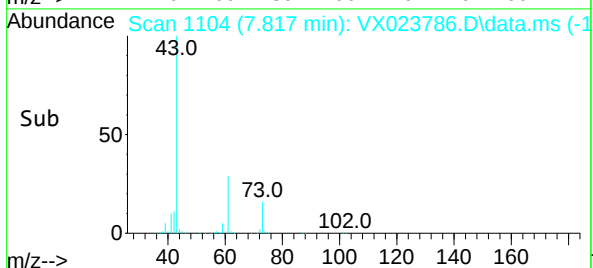
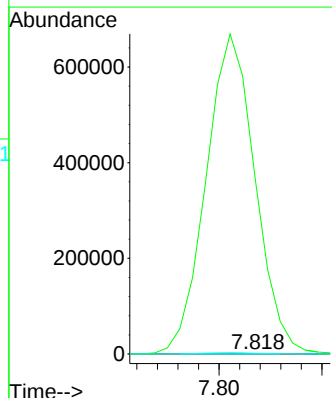
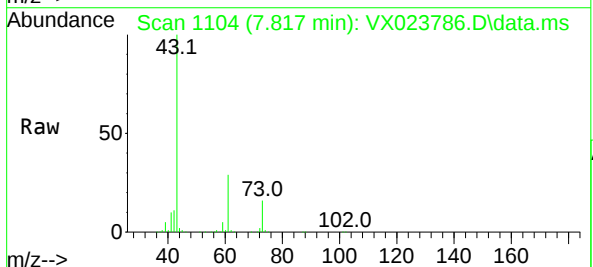
Tgt Ion: 41 Resp: 6054
 Ion Ratio Lower Upper
 41 100
 69 0.0 76.0 114.0#
 39 0.0 44.6 67.0#

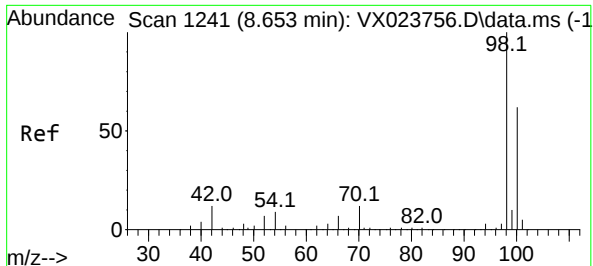


#49

1,4-Dioxane
 Concen: 3.822 ug/l
 RT: 7.817 min Scan# 1104
 Delta R.T. 0.152 min
 Lab File: VX023786.D
 Acq: 18 Aug 2021 01:07

Tgt Ion: 88 Resp: 174
 Ion Ratio Lower Upper
 88 100
 43 641587.4 23.2 34.8#
 58 2926.4 55.0 82.4#

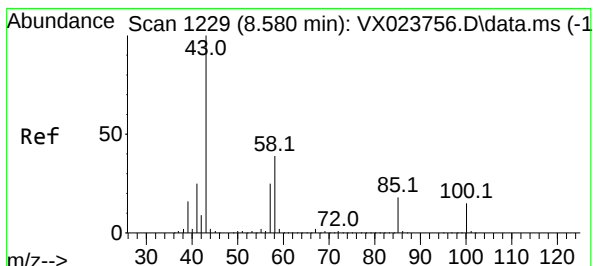
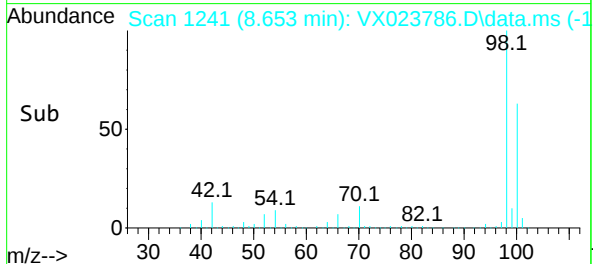
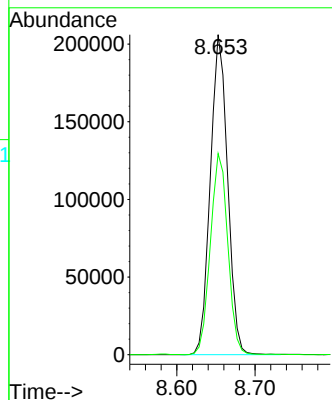
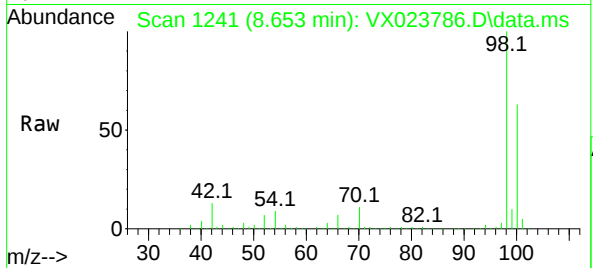




#50
Toluene-d8
Concen: 50.547 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

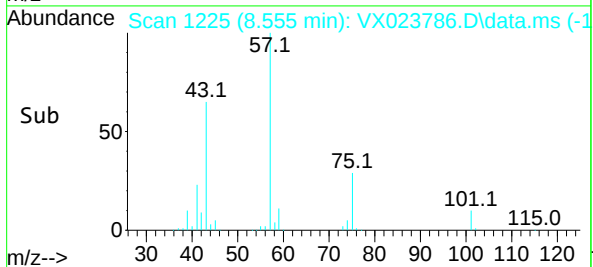
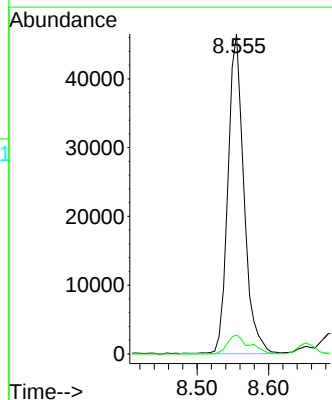
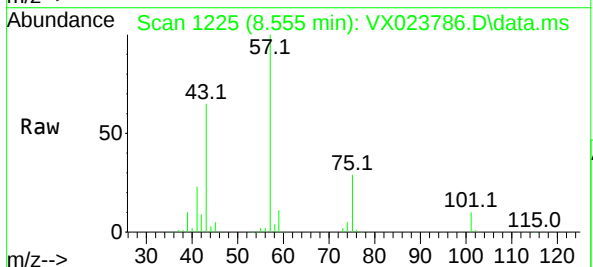
Instrument :
MSVOA_X
ClientSampled :
18S

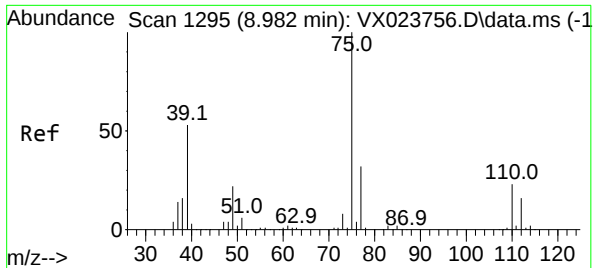
Tgt Ion: 98 Resp: 315809
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.251 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 43 Resp: 72083
Ion Ratio Lower Upper
43 100
58 8.1 35.4 53.0#

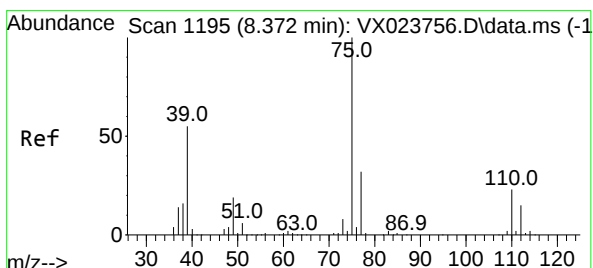
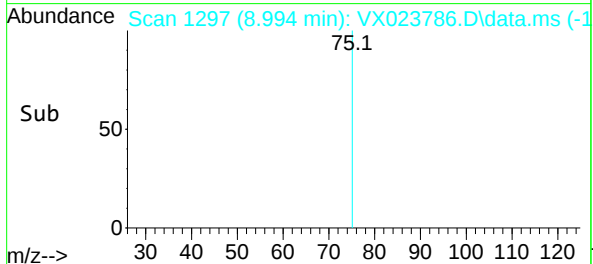
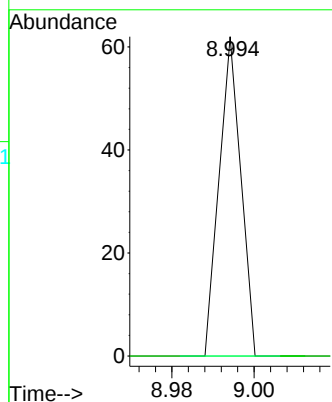
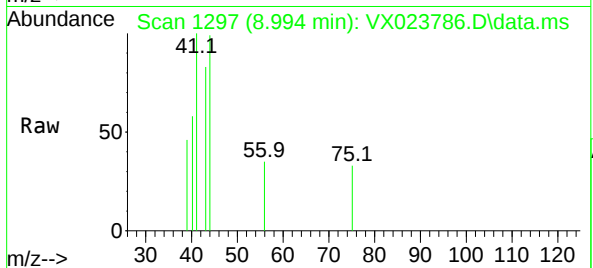




#53
t-1,3-Dichloropropene
Concen: 2.145 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

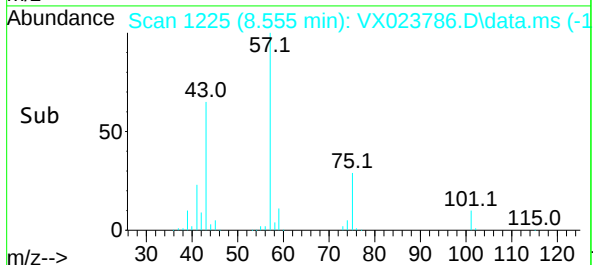
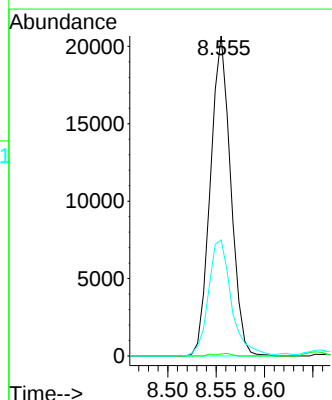
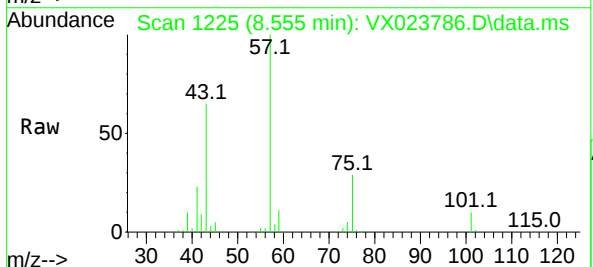
Instrument :
MSVOA_X
ClientSampled :
18S

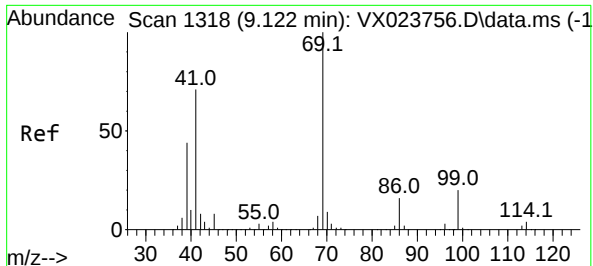
Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 10.950 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 75 Resp: 30125
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 36.0 35.1 52.7

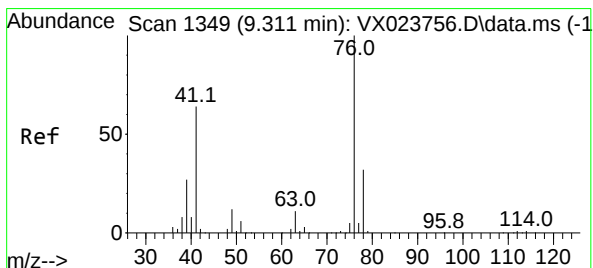
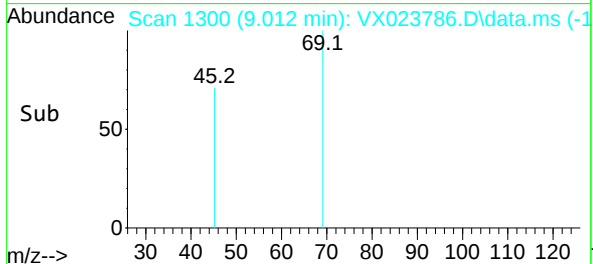
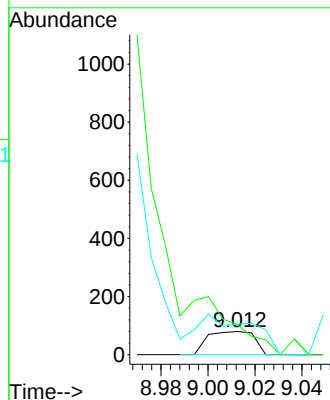
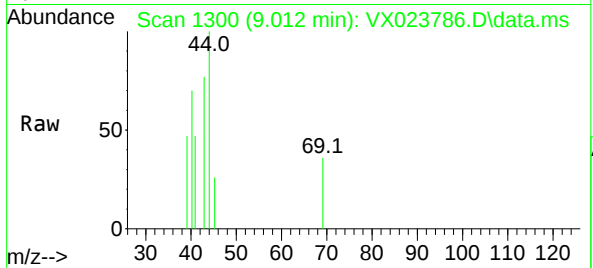




#56
Ethyl methacrylate
Concen: 0.794 ug/l
RT: 9.012 min Scan# 1300
Delta R.T. -0.110 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

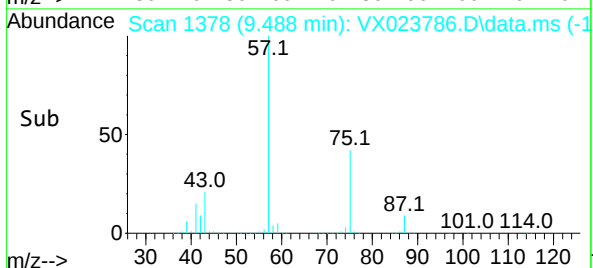
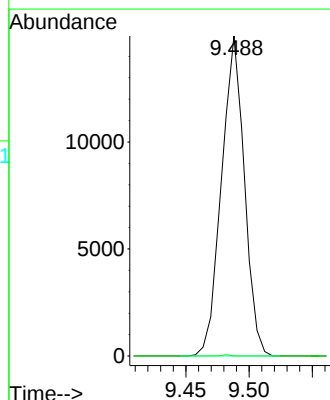
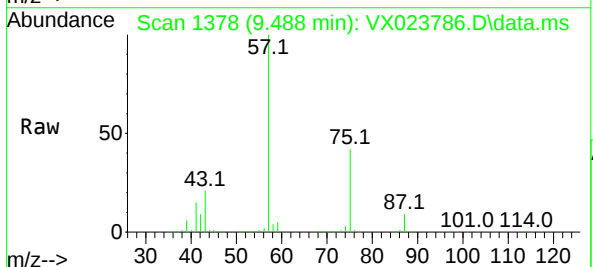
Instrument :
MSVOA_X
ClientSampled :
18S

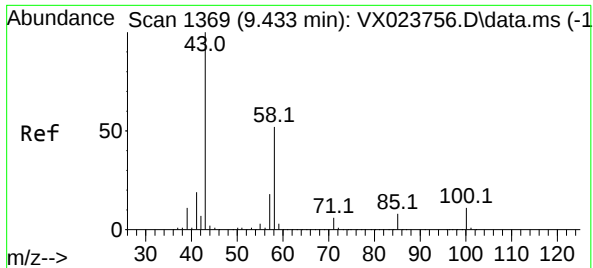
Tgt Ion: 69 Resp: 110
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 6.245 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 76 Resp: 18766
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

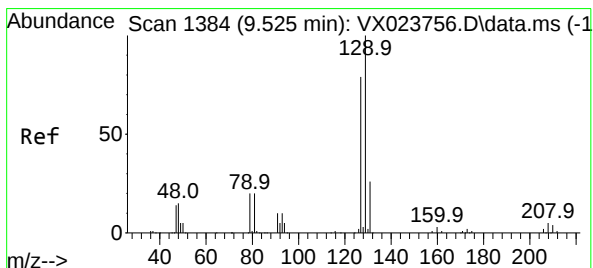
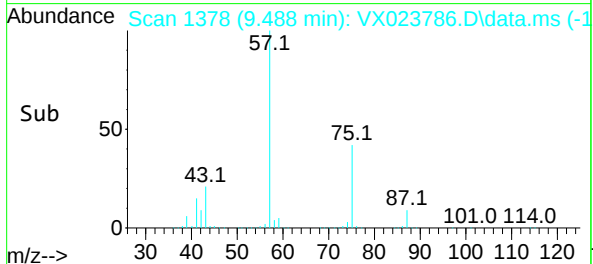
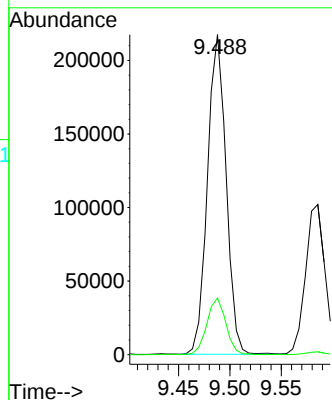
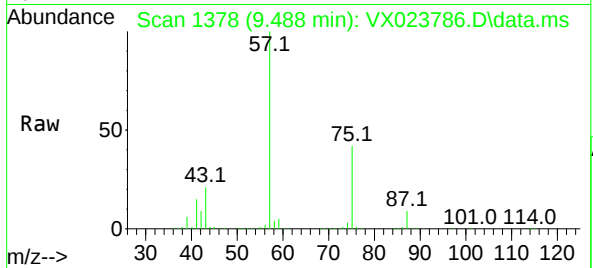




#59
2-Hexanone
Concen: 124.988 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

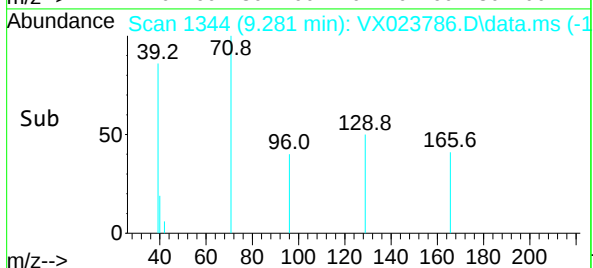
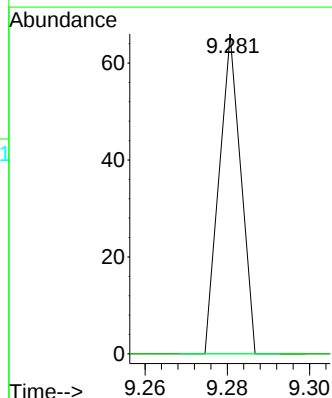
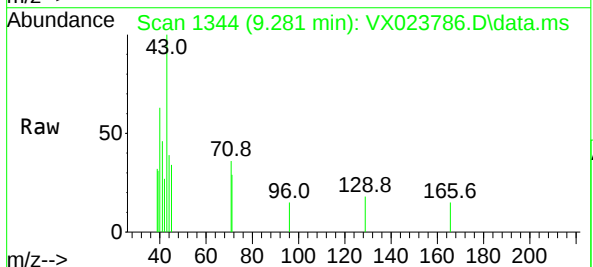
Instrument :
MSVOA_X
ClientSampled :
18S

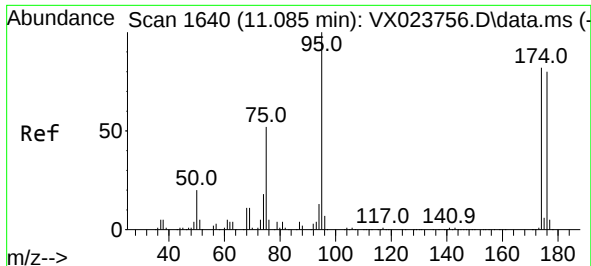
Tgt Ion: 43 Resp: 274264
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#



#60
Dibromochloromethane
Concen: 1.700 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion:129 Resp: 24
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

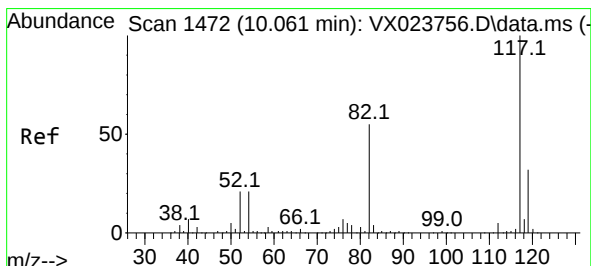
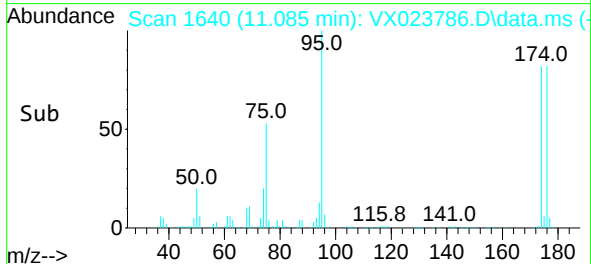
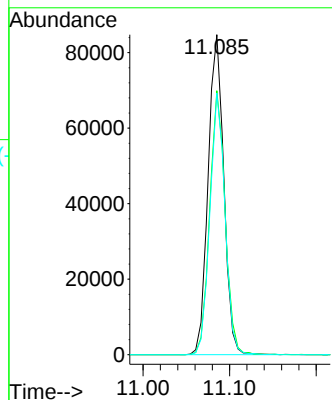
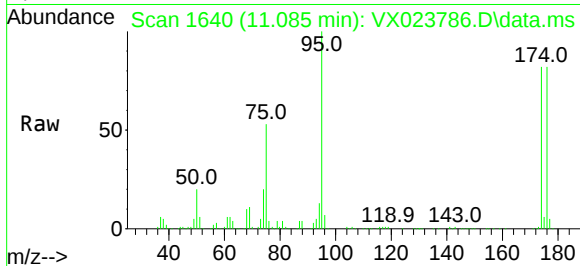




#62
4-Bromofluorobenzene
Concen: 46.249 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

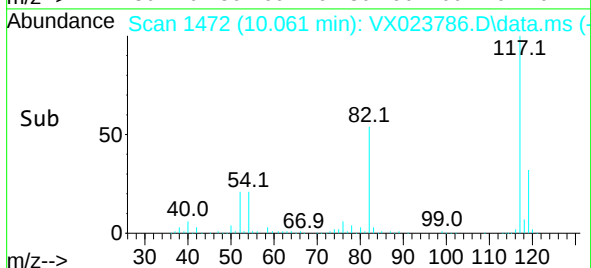
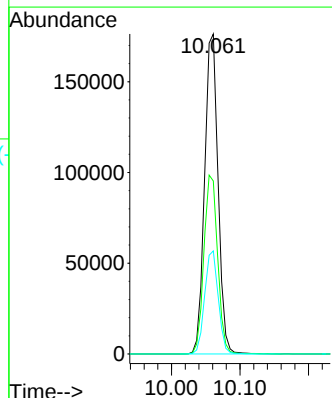
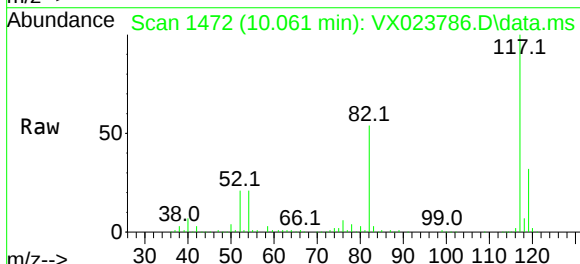
Instrument :
MSVOA_X
ClientSampled :
18S

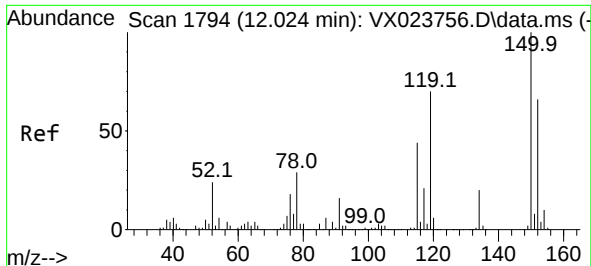
Tgt Ion: 95 Resp: 106373
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 78.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 117 Resp: 241348
Ion Ratio Lower Upper
117 100
82 54.0 47.4 71.2
119 32.2 26.6 39.8

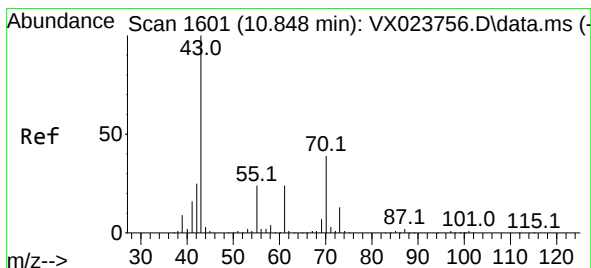
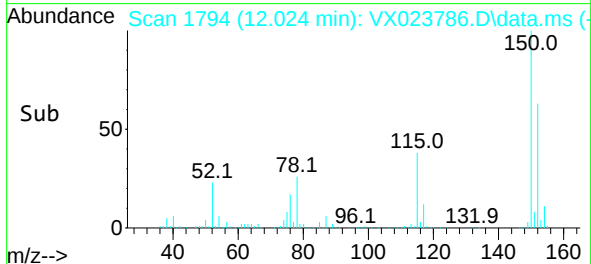
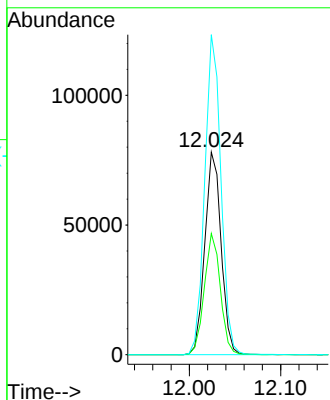
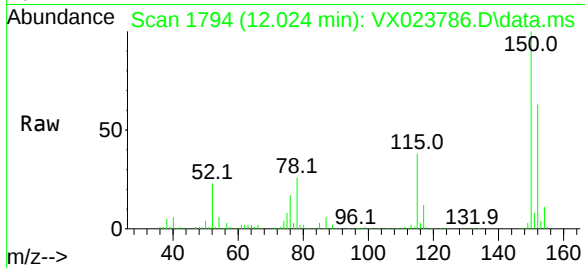




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

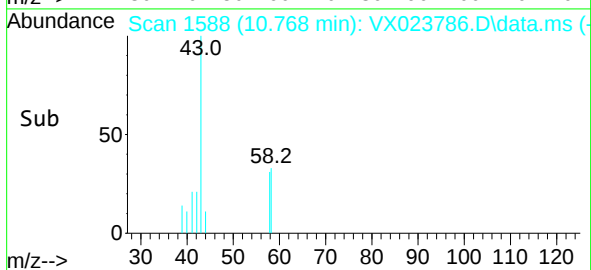
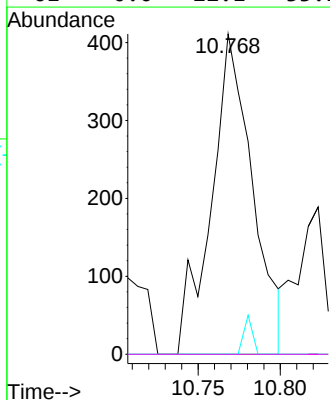
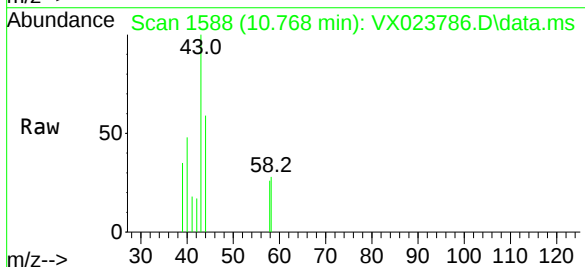
Instrument :
MSVOA_X
ClientSampled :
18S

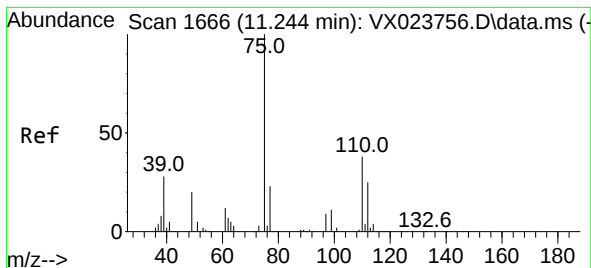
Tgt Ion:152 Resp: 96853
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 156.5 0.0 349.0



#74
N-ethyl acetate
Concen: 0.216 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 2.5 21.5 32.3#
61 0.0 22.1 33.1#

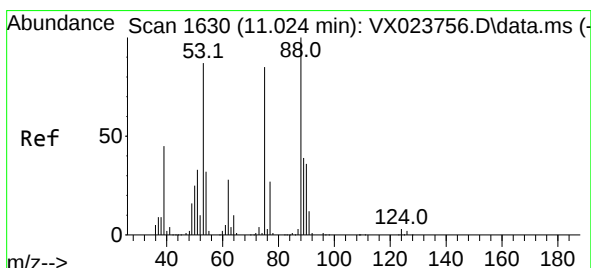
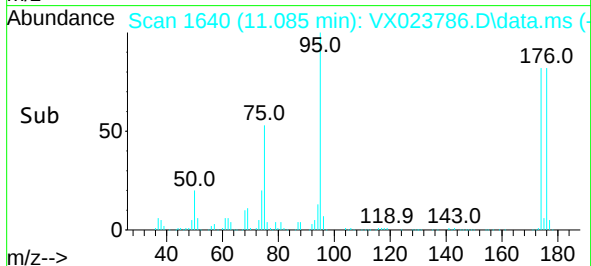
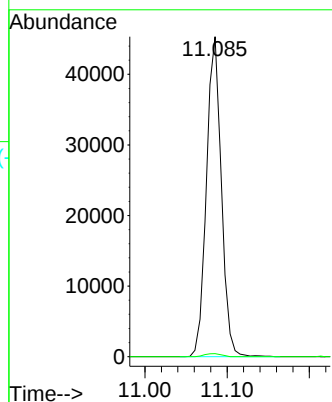
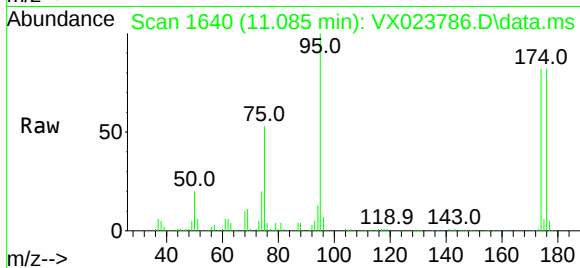




#76
1,2,3-Trichloropropane
Concen: 25.196 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

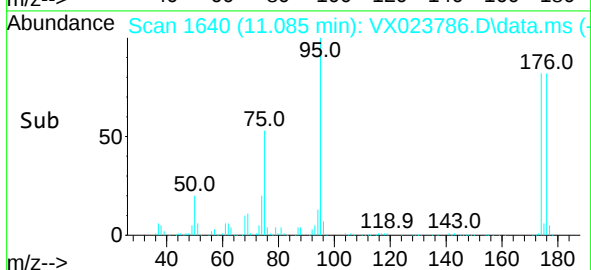
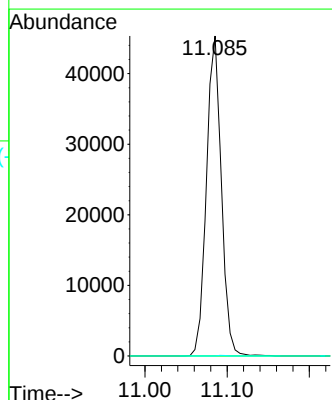
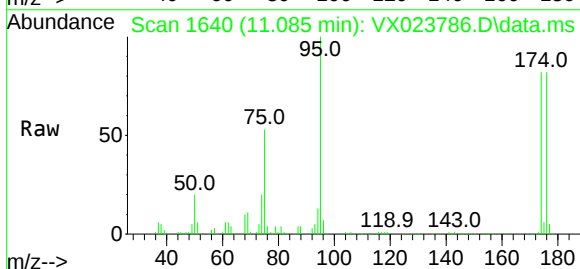
Instrument :
MSVOA_X
ClientSampled :
18S

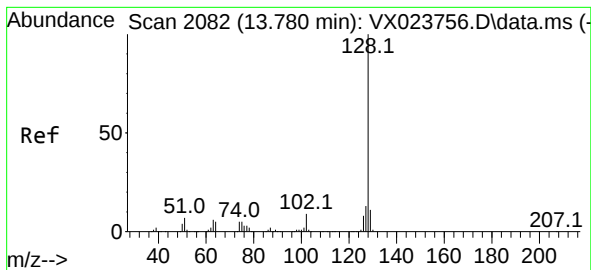
Tgt Ion: 75 Resp: 56925
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.114 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

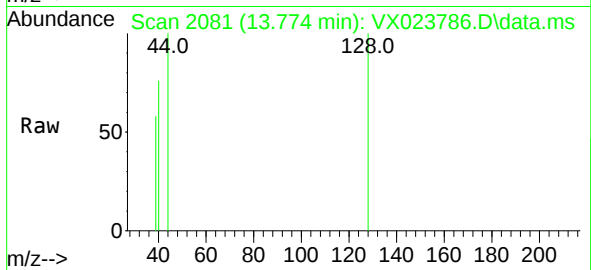
Tgt Ion: 75 Resp: 56925
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#





#95
Naphthalene
Concen: 1.308 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023786.D
Acq: 18 Aug 2021 01:07

Instrument :
MSVOA_X
ClientSampleId :
18S



Tgt Ion:128 Resp: 183
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

