

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023789.D
 Acq On : 18 Aug 2021 02:18
 Operator : JC/MD
 Sample : M3424-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20N

Quant Time: Aug 18 07:02:56 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)

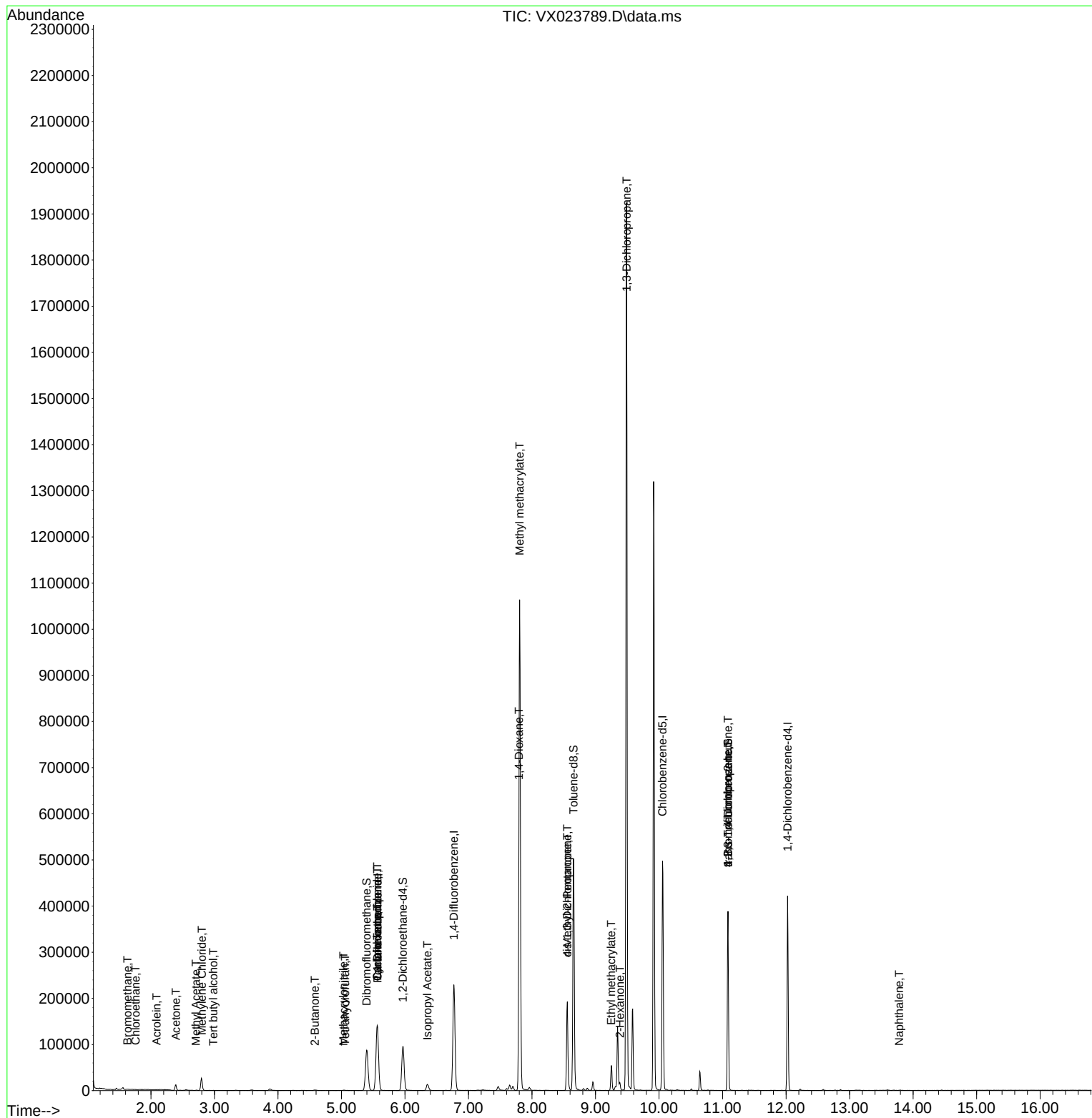
Internal Standards						
1) Pentafluorobenzene	5.568	168	133847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94422	50.545	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.080%	
35) Dibromofluoromethane	5.397	113	75383	49.406	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.820%	
50) Toluene-d8	8.653	98	288435	49.668	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.340%	
62) 4-Bromofluorobenzene	11.085	95	93679	43.820	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	528	0.555	ug/l #	76
6) Chloroethane	1.758	64	28	2.239	ug/l #	43
11) Tert butyl alcohol	2.983	59	84	0.222	ug/l #	46
13) Acrolein	2.087	56	48	0.214	ug/l	88
16) Acetone	2.392	43	12917	15.464	ug/l	89
18) Methyl Acetate	2.709	43	1003	0.481	ug/l #	71
20) Methylene Chloride	2.800	84	11316	7.093	ug/l #	96
25) 2-Butanone	4.580	43	1790	1.415	ug/l #	76
29) Tetrahydrofuran	5.056	42	593	0.724	ug/l #	58
31) Cyclohexane	5.562	56	3032	1.263	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	10432	4.887	ug/l #	50
38) Carbon Tetrachloride	5.562	117	13519	6.073	ug/l #	16
41) Methacrylonitrile	5.031	41	380	0.267	ug/l #	36
43) Isopropyl Acetate	6.354	43	18034	4.393	ug/l	94
48) Methyl methacrylate	7.805	41	95425	47.655	ug/l #	38
49) 1,4-Dioxane	7.793	88	34	0.803	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	67069	25.277	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27758	10.855	ug/l #	72
56) Ethyl methacrylate	9.244	69	246	0.844	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	16120	5.771	ug/l #	42
59) 2-Hexanone	9.384	43	8069	3.956	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	50004	26.222	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50004	77.132	ug/l #	12
95) Naphthalene	13.780	128	187	1.313	ug/l #	69

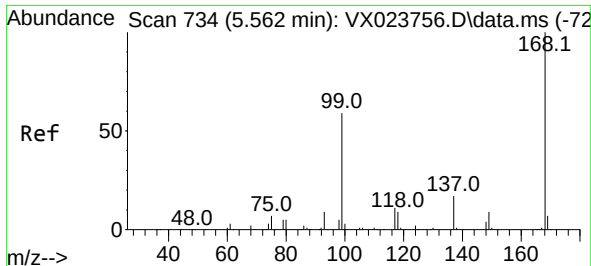
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

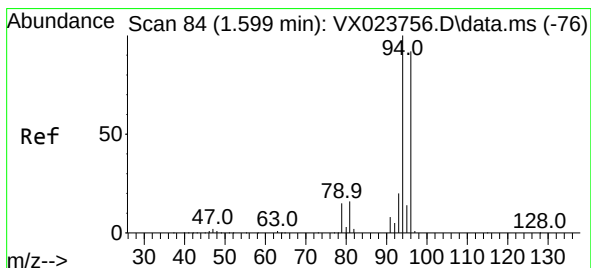
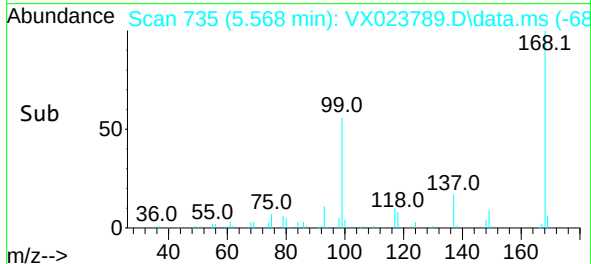
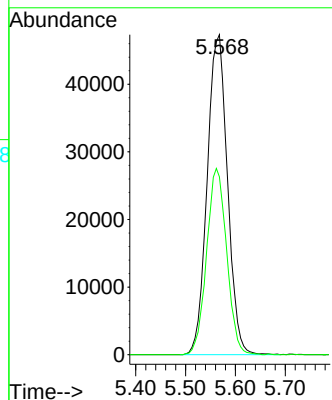
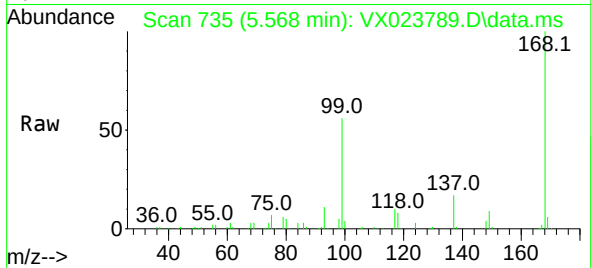




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

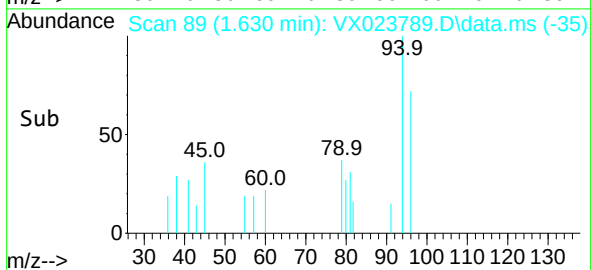
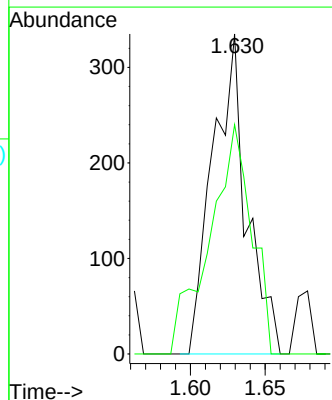
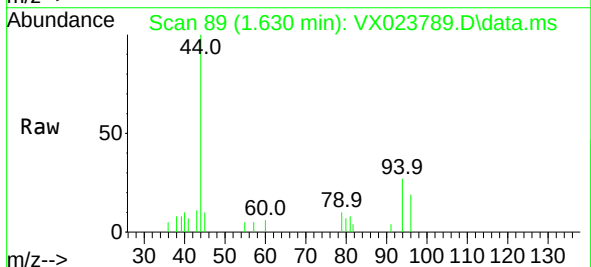
Instrument :
MSVOA_X
ClientSampled :
20N

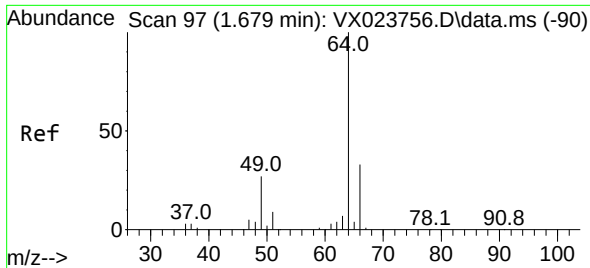
Tgt Ion:168 Resp: 133847
Ion Ratio Lower Upper
168 100
99 55.6 45.8 68.6



#5
Bromomethane
Concen: 0.555 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 94 Resp: 528
Ion Ratio Lower Upper
94 100
96 71.6 76.4 114.6#

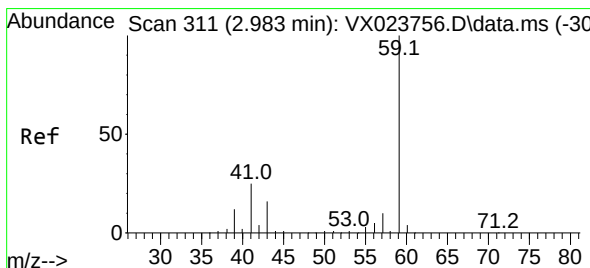
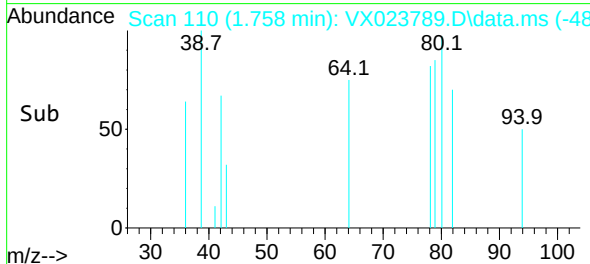
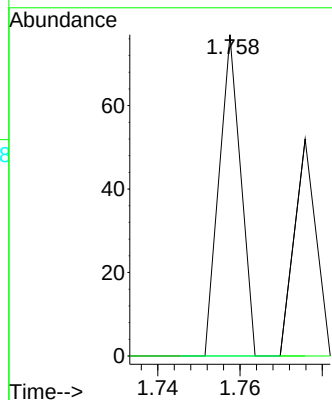
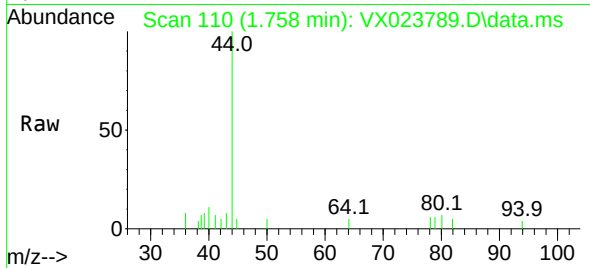




#6
Chloroethane
Concen: 2.239 ug/l
RT: 1.758 min Scan# 110
Delta R.T. 0.079 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

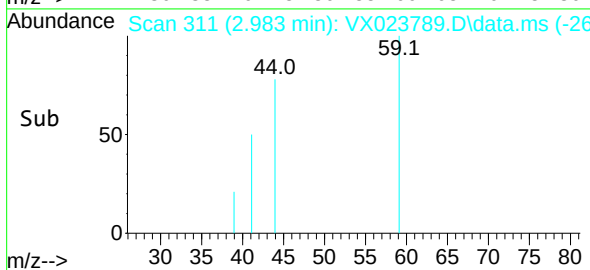
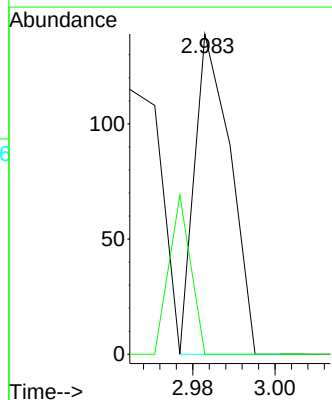
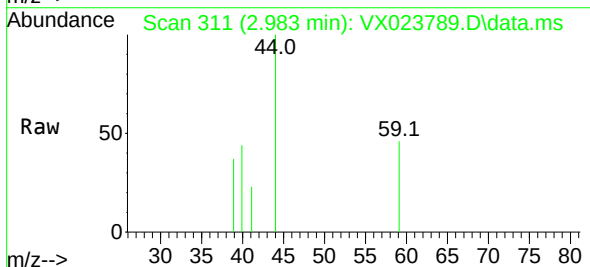
Instrument :
MSVOA_X
ClientSampled :
20N

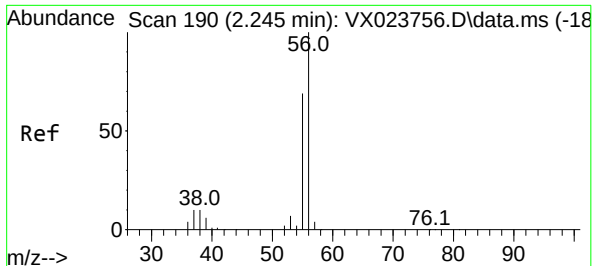
Tgt Ion: 64 Resp: 28
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 29.8 7.8 11.8#

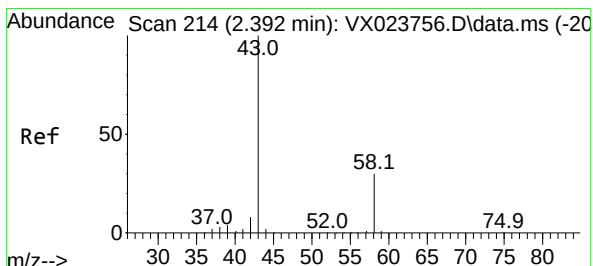
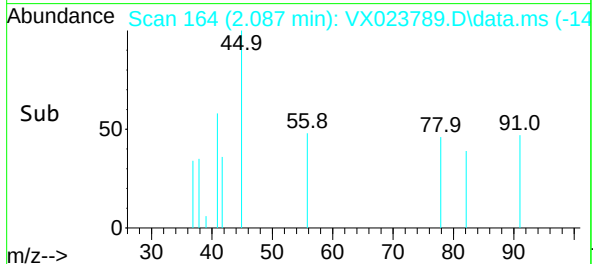
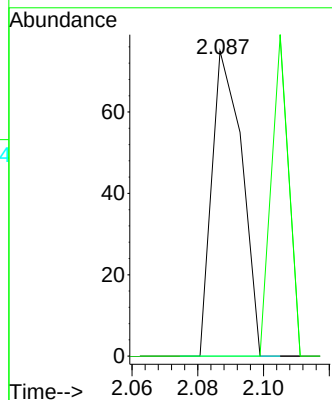
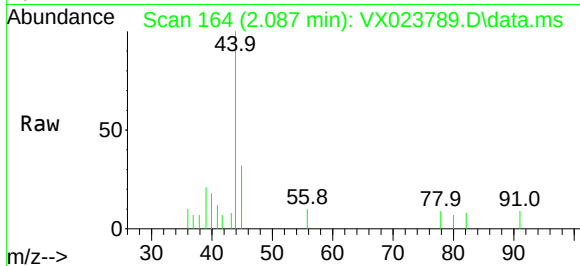




#13
Acrolein
Concen: 0.214 ug/l
RT: 2.087 min Scan# 164
Delta R.T. -0.158 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

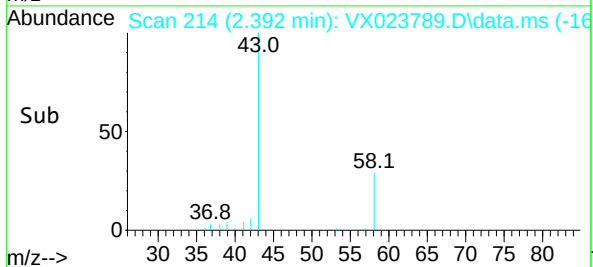
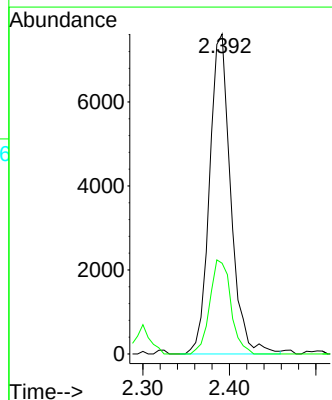
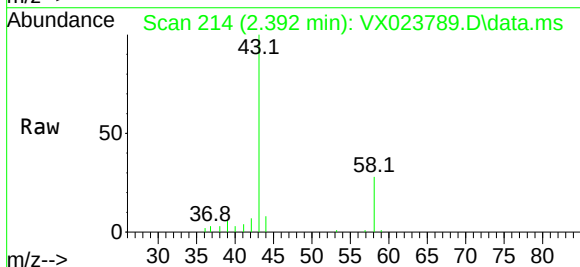
Instrument :
MSVOA_X
ClientSampleId :
20N

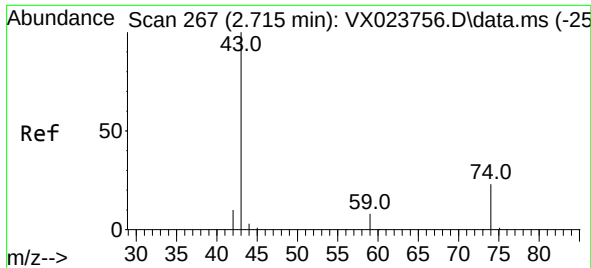
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 60.4 56.4 84.6



#16
Acetone
Concen: 15.464 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 43 Resp: 12917
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8

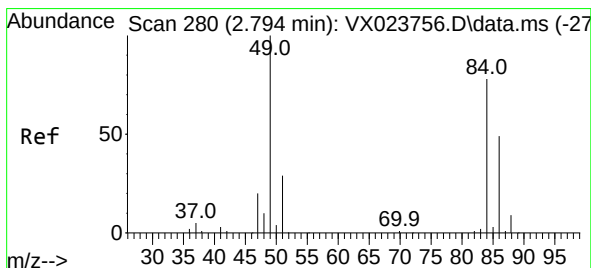
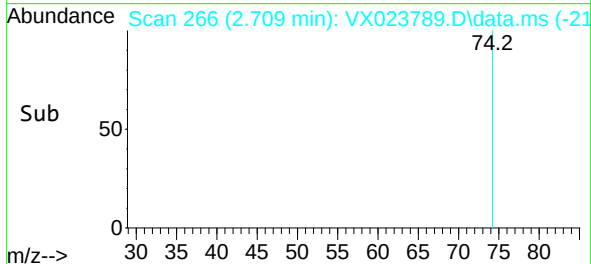
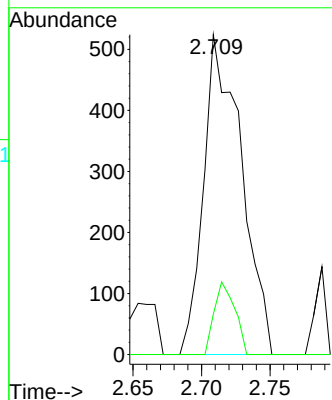
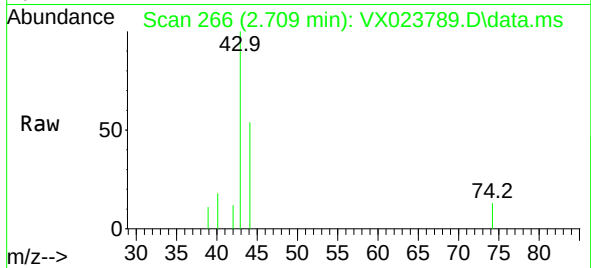




#18
Methyl Acetate
Concen: 0.481 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

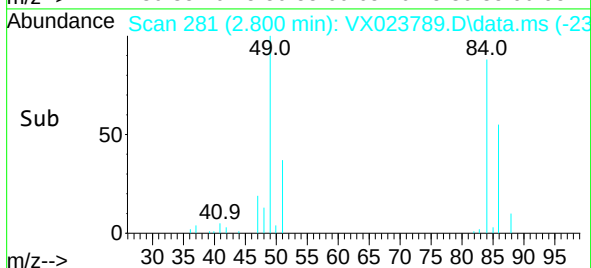
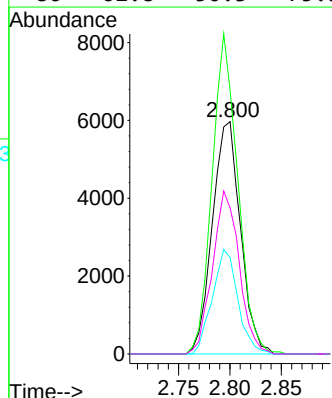
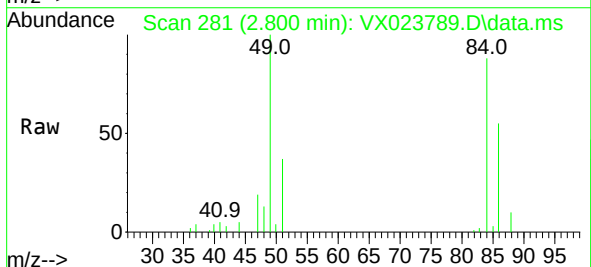
Instrument :
MSVOA_X
ClientSampled :
20N

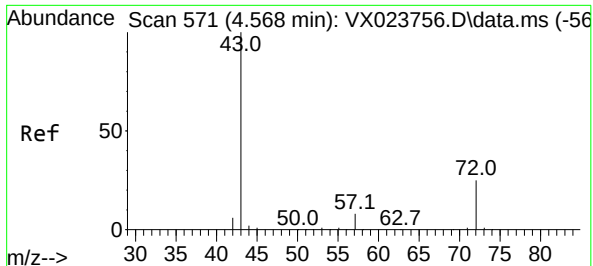
Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
74 12.4 21.9 32.9#



#20
Methylene Chloride
Concen: 7.093 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 84 Resp: 11316
Ion Ratio Lower Upper
84 100
49 113.4 88.6 132.8
51 41.5 27.0 40.6#
86 62.8 50.3 75.5

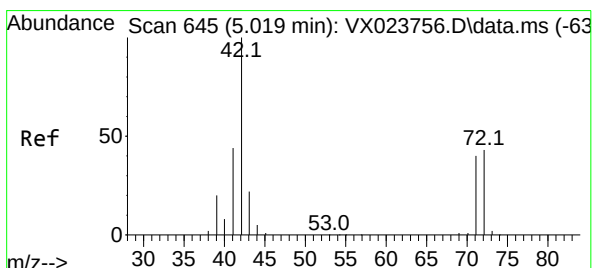
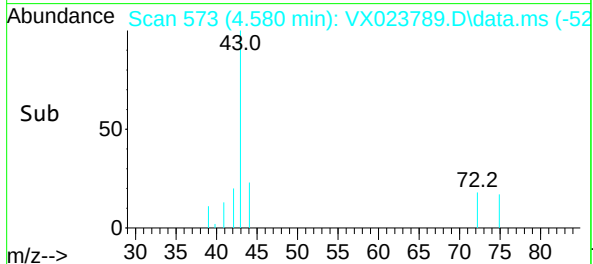
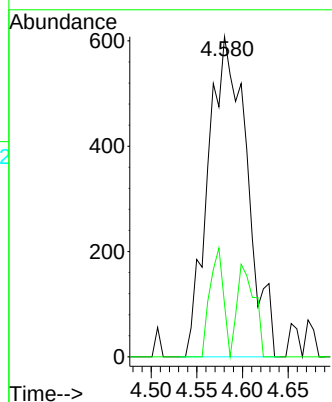
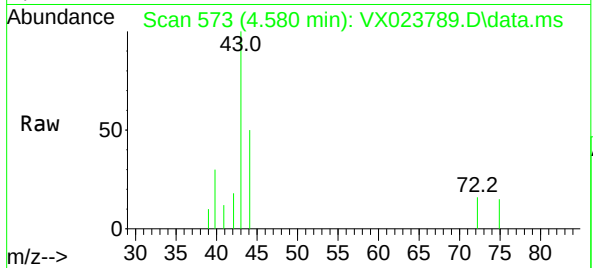




#25
2-Butanone
Concen: 1.415 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

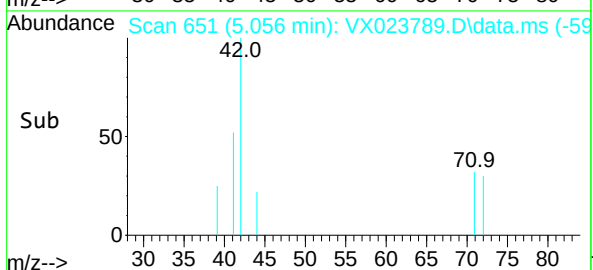
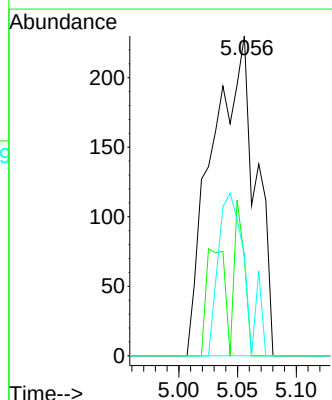
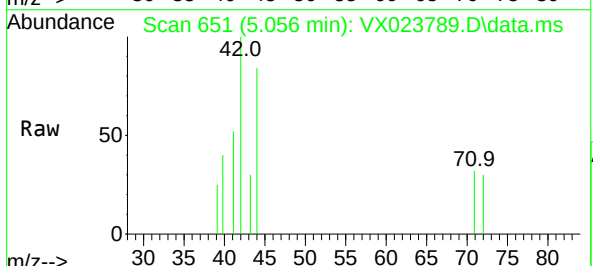
Instrument :
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ClientSampled :
20N

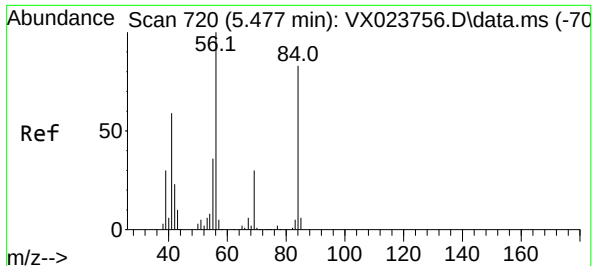
Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
72 16.4 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.724 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.037 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 42 Resp: 593
Ion Ratio Lower Upper
42 100
72 11.3 41.7 62.5#
71 31.5 38.4 57.6#

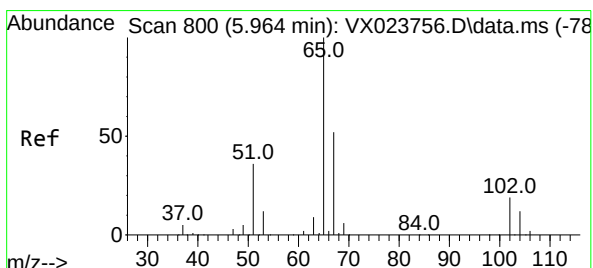
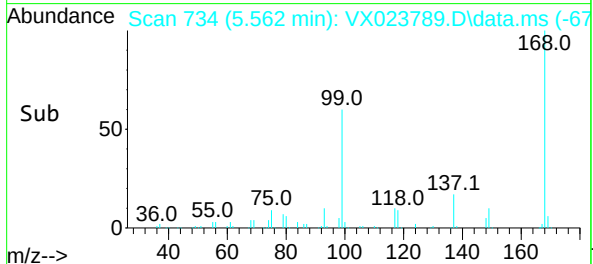
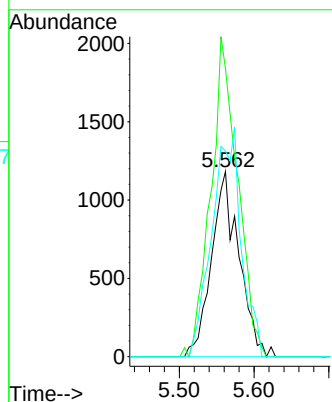
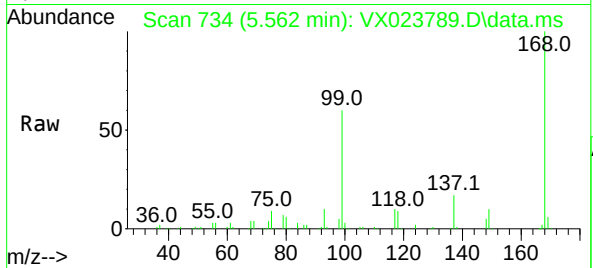




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

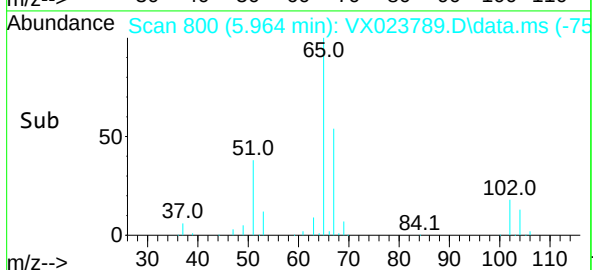
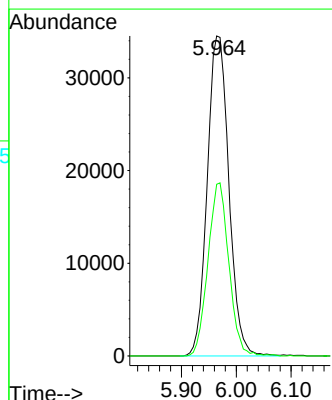
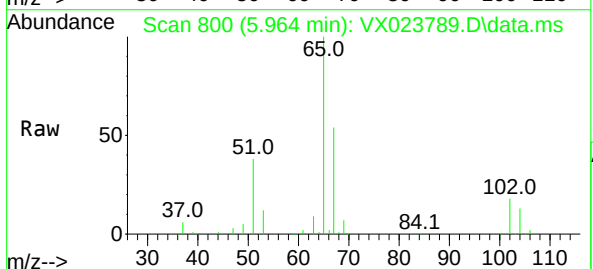
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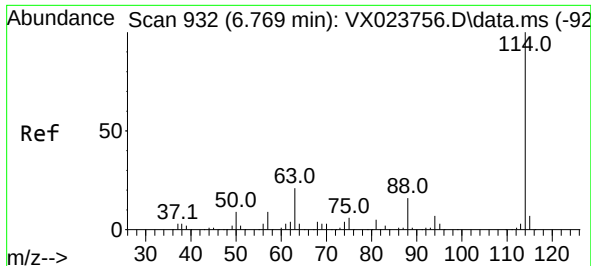
Tgt Ion: 56 Resp: 3032
Ion Ratio Lower Upper
56 100
69 155.5 25.3 37.9#
84 111.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.545 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 65 Resp: 94422
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4

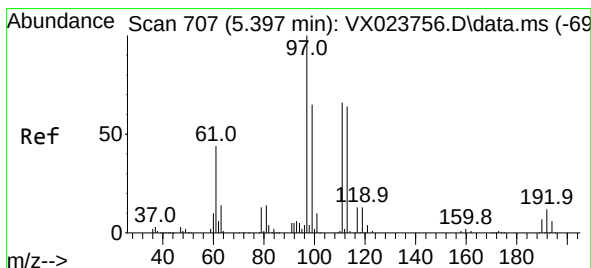
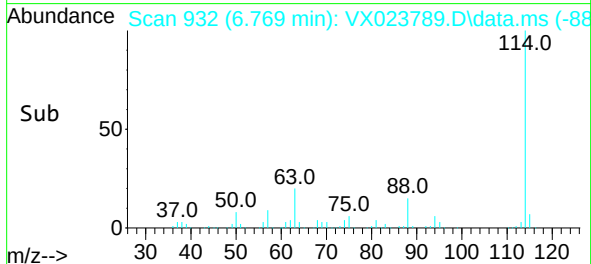
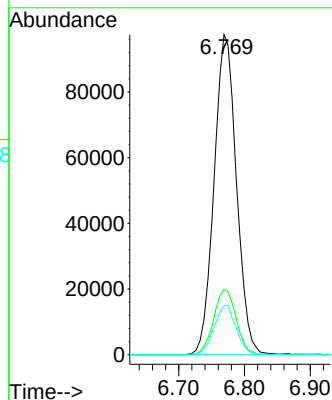
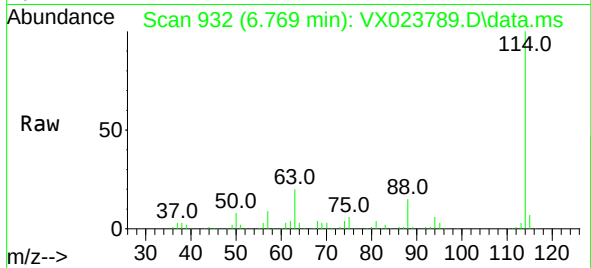




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

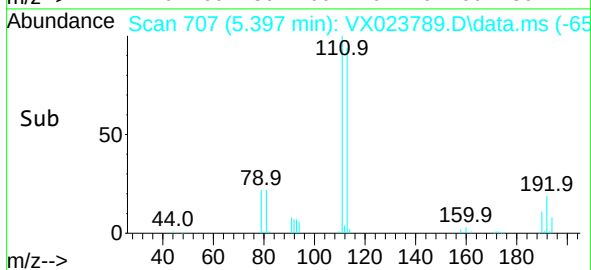
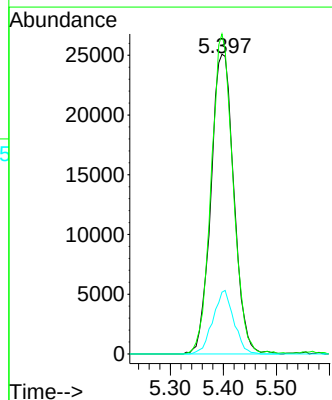
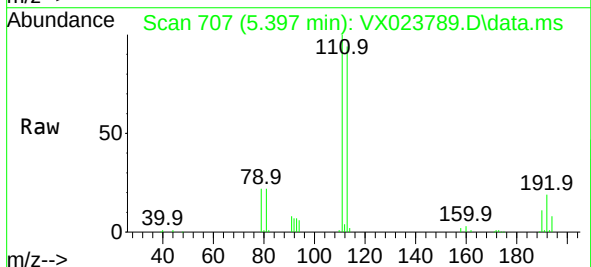
Instrument :
MSVOA_X
ClientSampleId :
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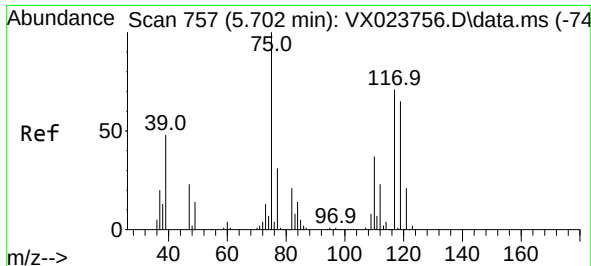
Tgt Ion:114 Resp: 230526
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.406 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion:113 Resp: 75383
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 19.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023789.D

Acq: 18 Aug 2021 02:18

Tgt Ion: 75 Resp: 10432

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

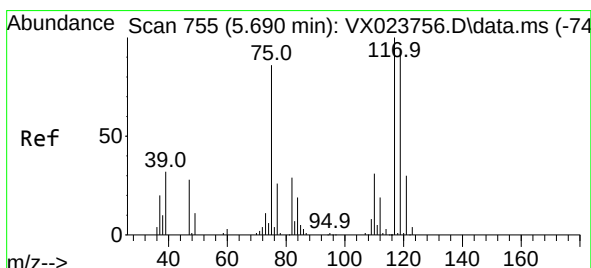
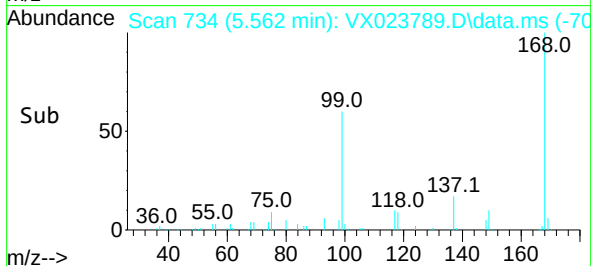
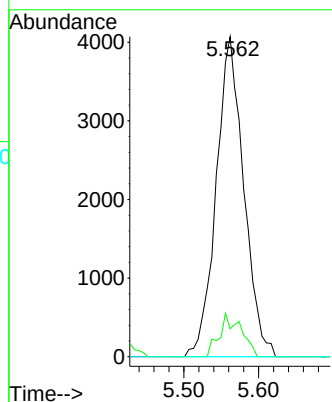
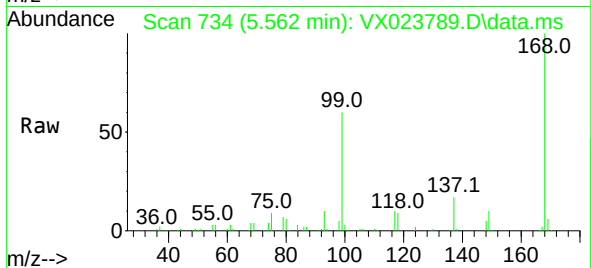
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :

20N



#38

Carbon Tetrachloride

Concen: 6.073 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX023789.D

Acq: 18 Aug 2021 02:18

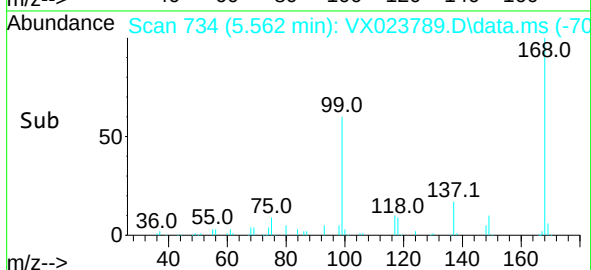
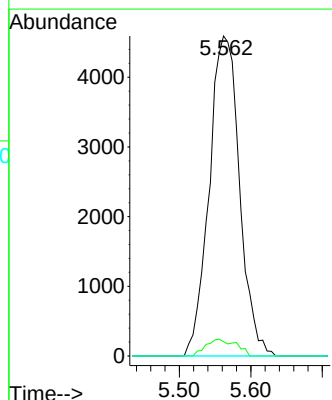
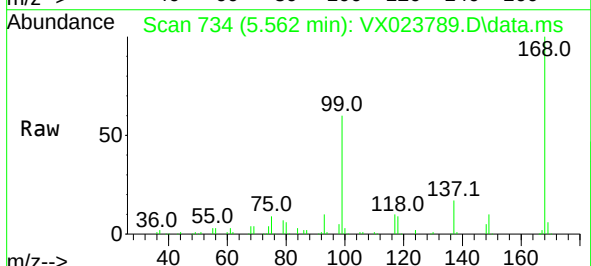
Tgt Ion: 117 Resp: 13519

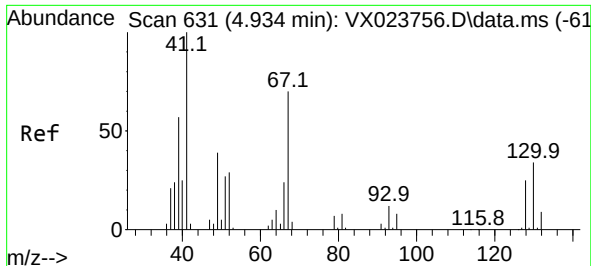
Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

121 0.0 24.8 37.2#

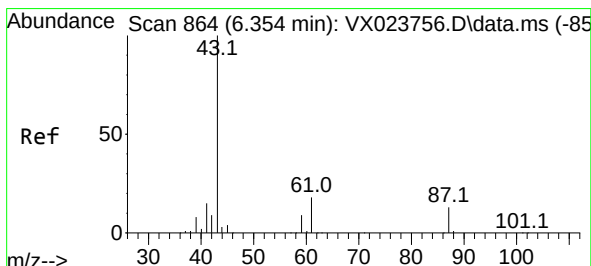
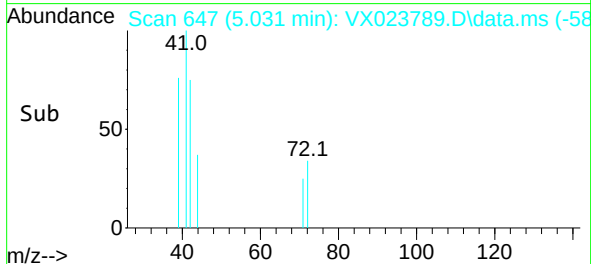
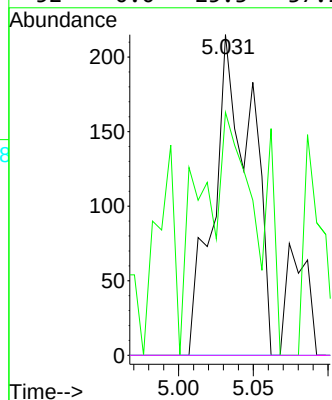
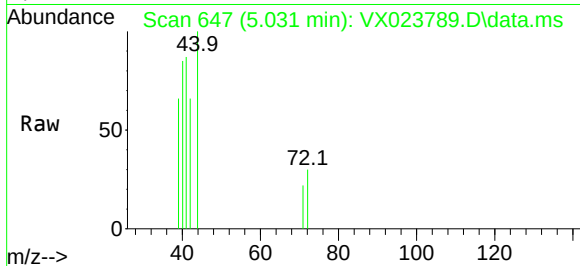




#41
Methacrylonitrile
Concen: 0.267 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.097 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

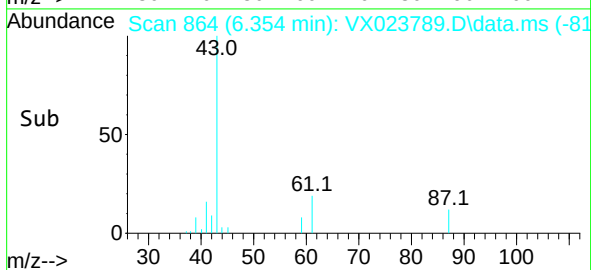
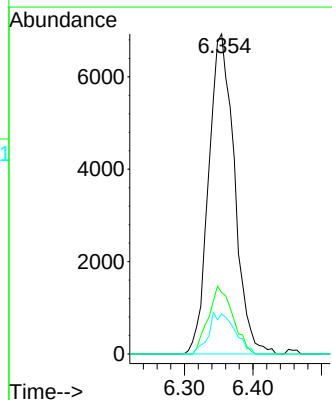
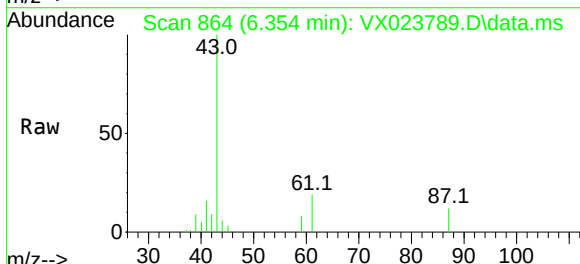
Instrument :
MSVOA_X
ClientSampled :
20N

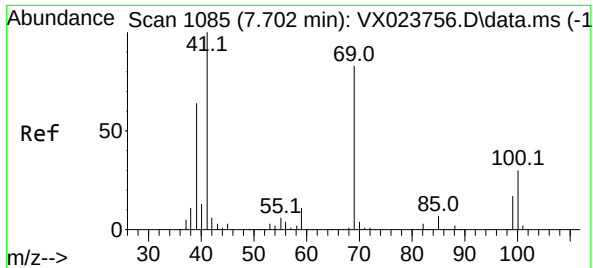
Tgt Ion:	41	Resp:	380
Ion	Ratio	Lower	Upper
41	100		
39	71.3	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.393 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion:	43	Resp:	18034
Ion	Ratio	Lower	Upper
43	100		
61	20.2	18.2	27.4
87	13.0	12.5	18.7

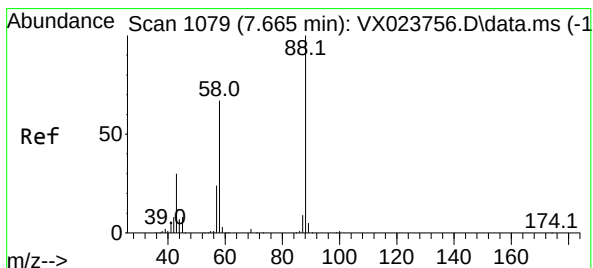
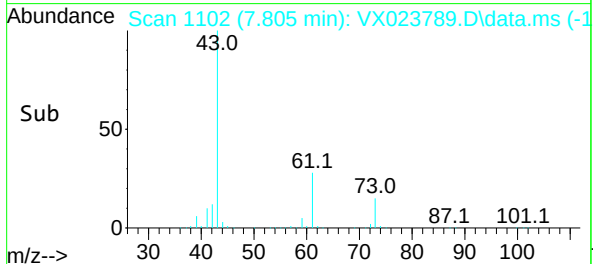
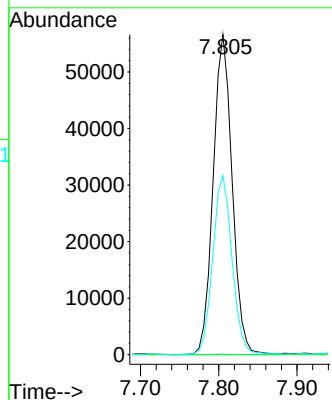
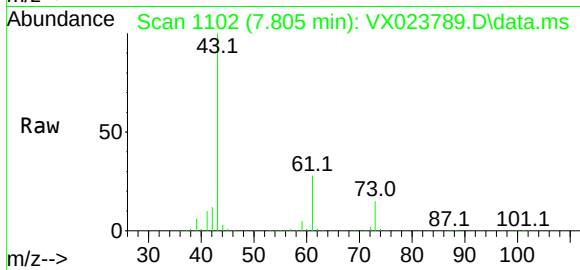




#48
Methyl methacrylate
Concen: 47.655 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

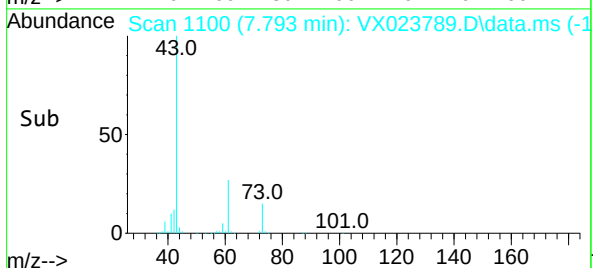
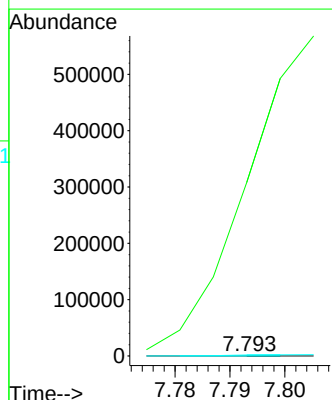
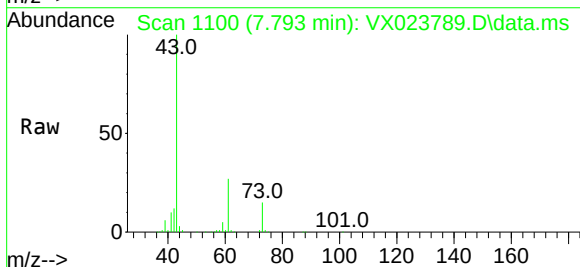
Instrument :
MSVOA_X
ClientSampled :
20N

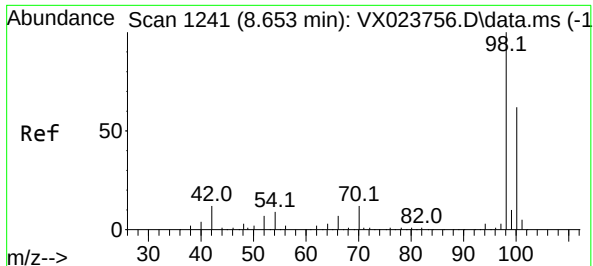
Tgt Ion: 41 Resp: 95425
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 57.1 44.6 67.0



#49
1,4-Dioxane
Concen: 0.803 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 2791211.8 23.2 34.8#
58 13170.6 55.0 82.4#

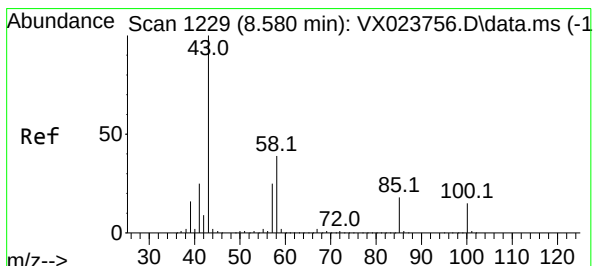
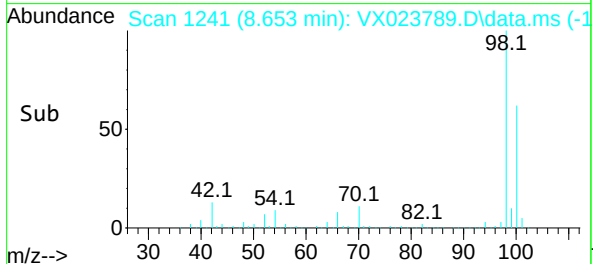
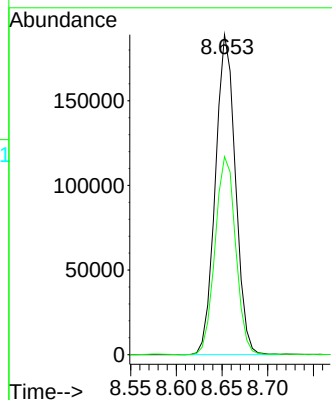
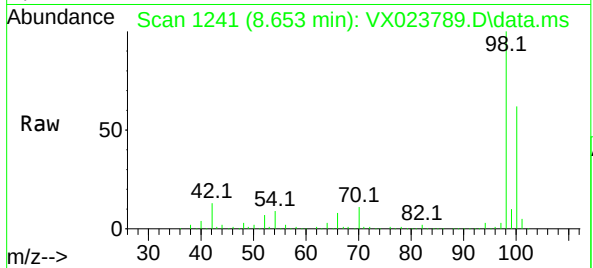




#50
Toluene-d8
Concen: 49.668 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

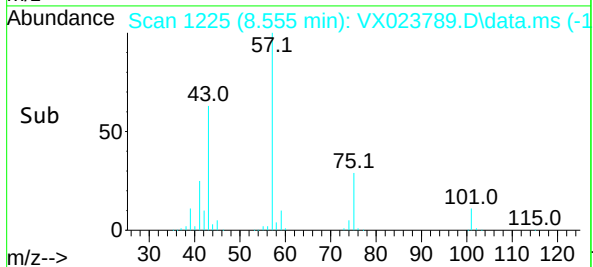
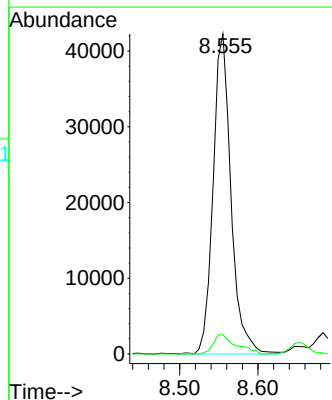
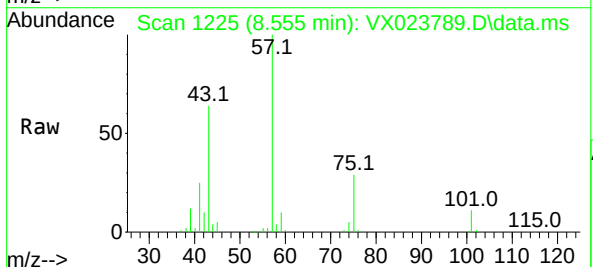
Instrument :
MSVOA_X
ClientSampled :
20N

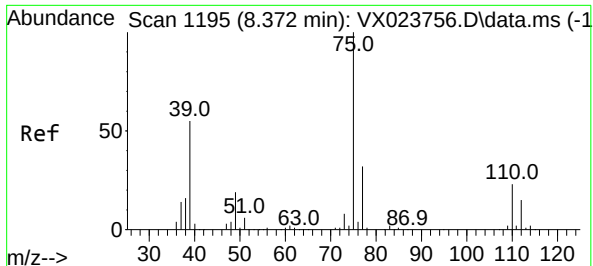
Tgt Ion: 98 Resp: 288435
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.277 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 43 Resp: 67069
Ion Ratio Lower Upper
43 100
58 7.6 35.4 53.0#

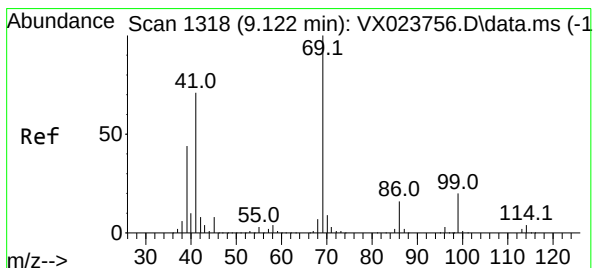
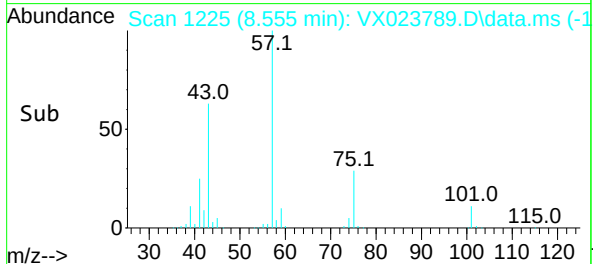
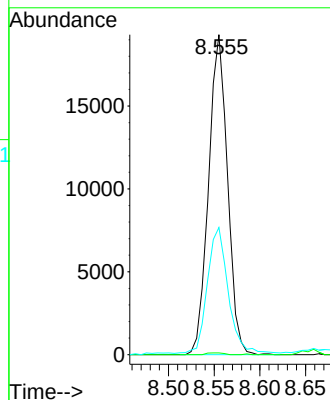
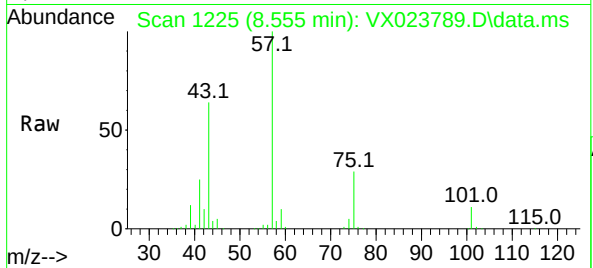




#54
cis-1,3-Dichloropropene
Concen: 10.855 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

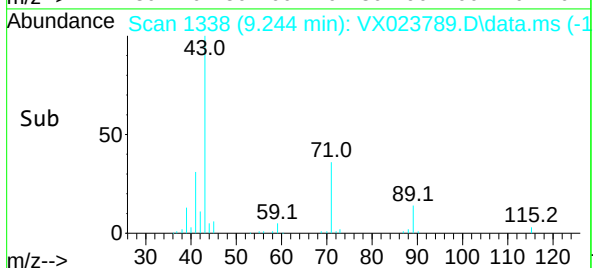
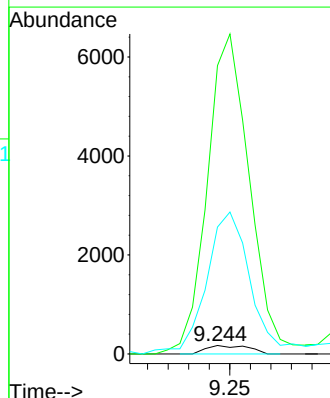
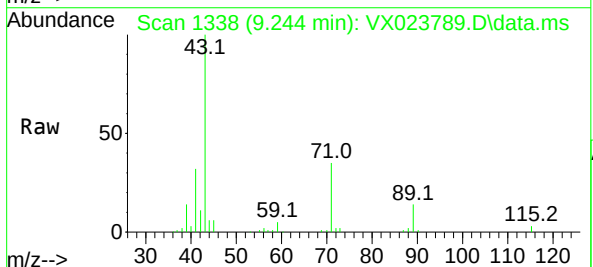
Instrument :
MSVOA_X
ClientSampled :
20N

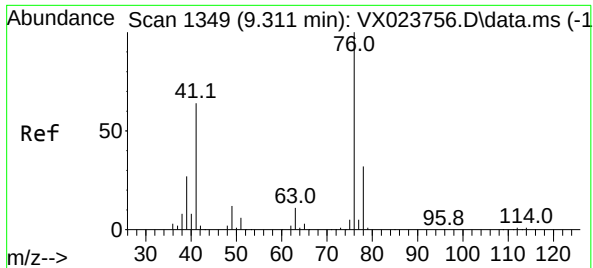
Tgt Ion: 75 Resp: 27758
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 39.2 35.1 52.7



#56
Ethyl methacrylate
Concen: 0.844 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 69 Resp: 246
Ion Ratio Lower Upper
69 100
41 3763.4 46.8 70.2#
39 1747.2 24.7 37.1#



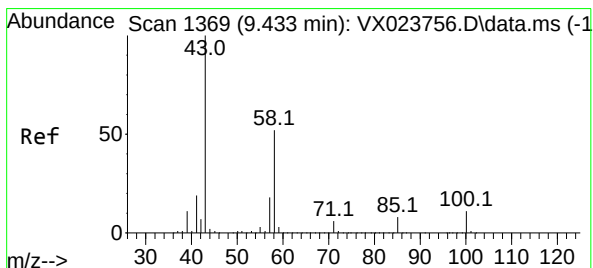
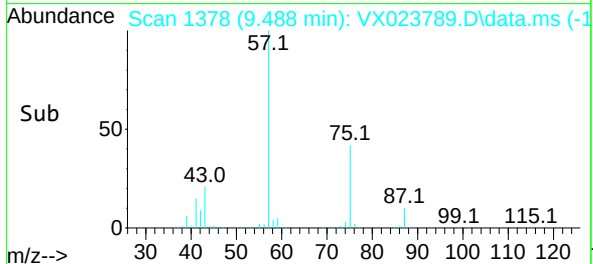
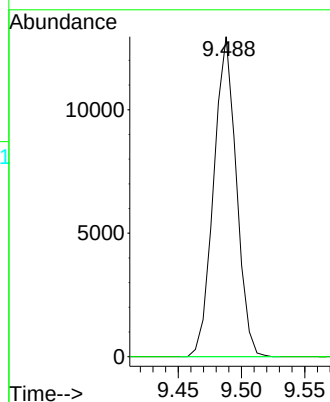
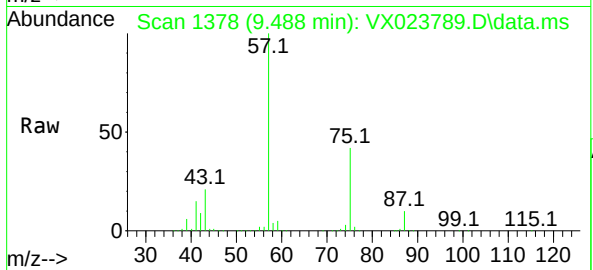


#57

1,3-Dichloropropane
Concen: 5.771 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Instrument :
MSVOA_X
ClientSampled :
20N

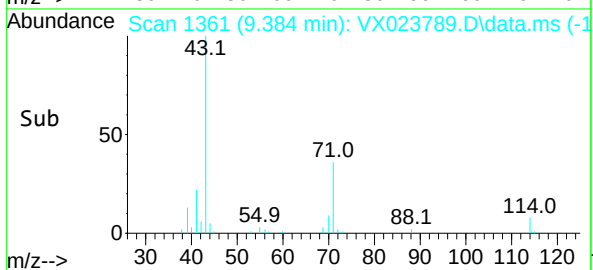
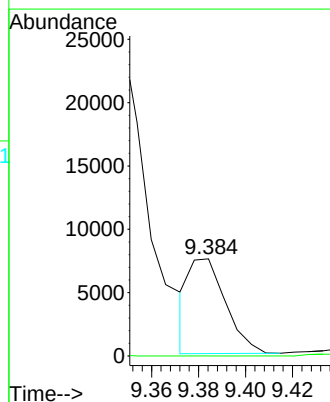
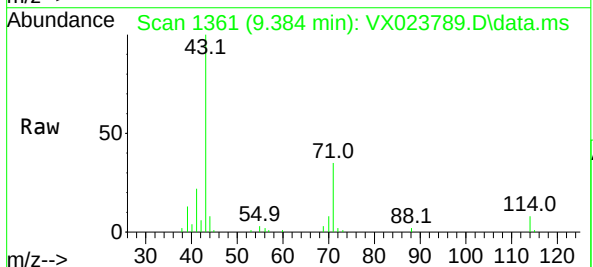
Tgt Ion: 76 Resp: 16120
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

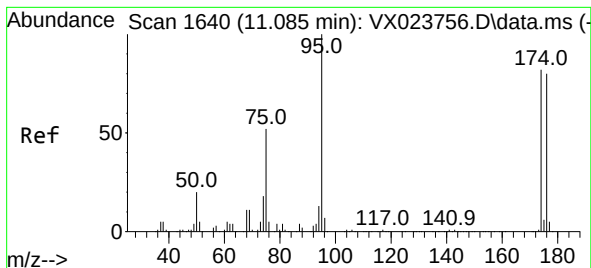


#59

2-Hexanone
Concen: 3.956 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 43 Resp: 8069
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

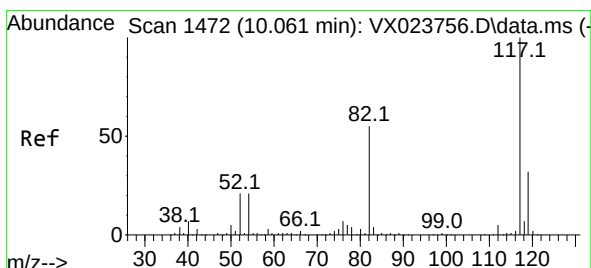
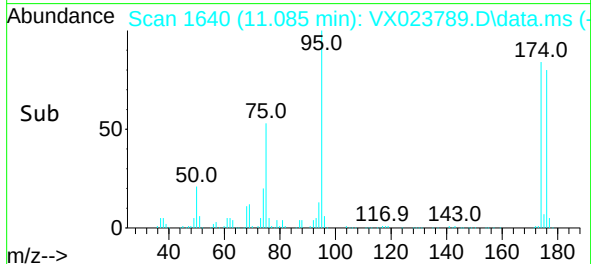
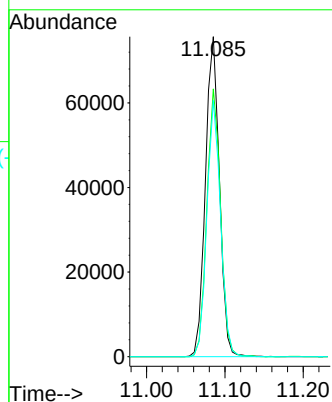
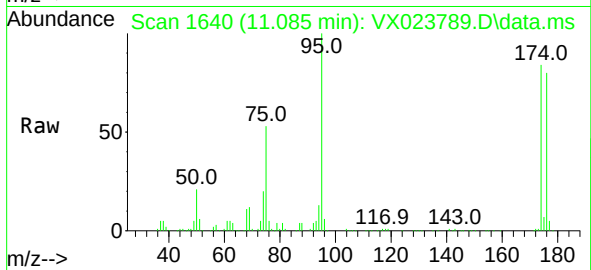




#62
4-Bromofluorobenzene
Concen: 43.820 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

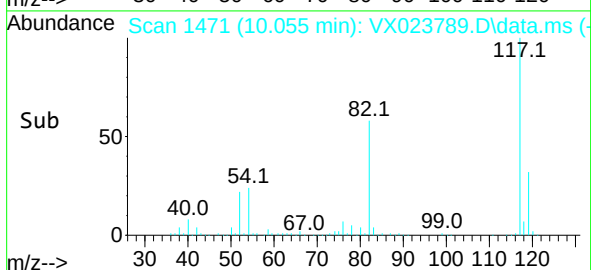
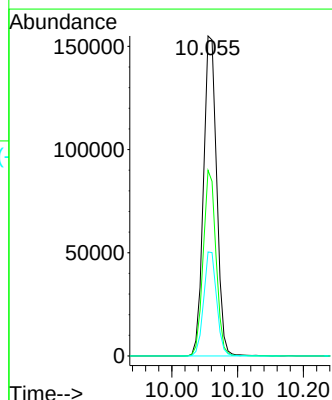
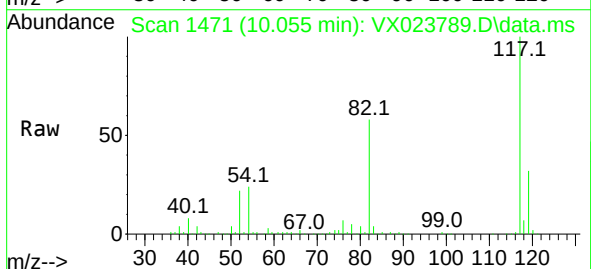
Instrument :
MSVOA_X
ClientSampleId :
20N

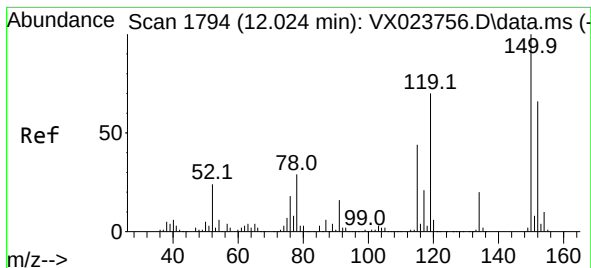
Tgt Ion: 95 Resp: 93679
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 78.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 117 Resp: 216148
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.5 26.6 39.8

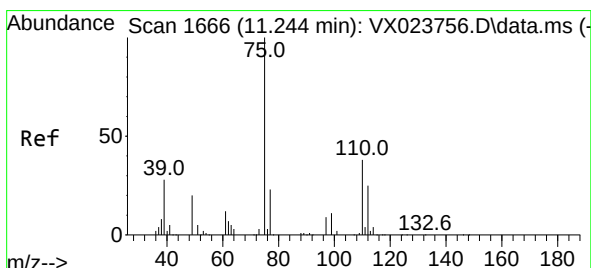
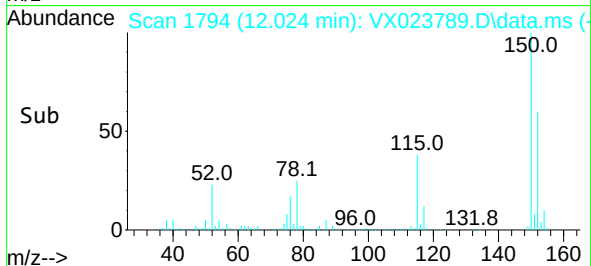
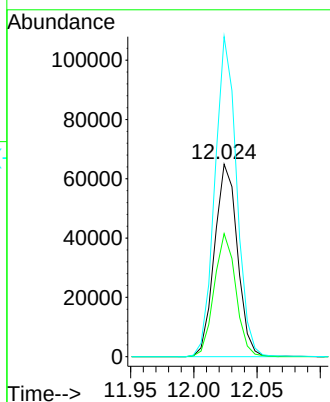
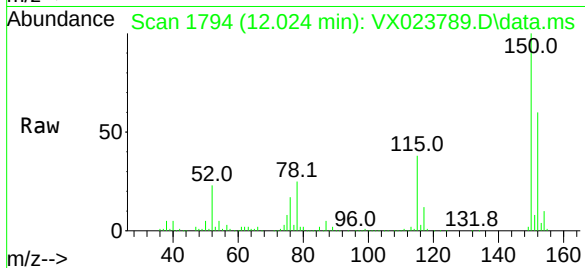




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023789.D
 Acq: 18 Aug 2021 02:18

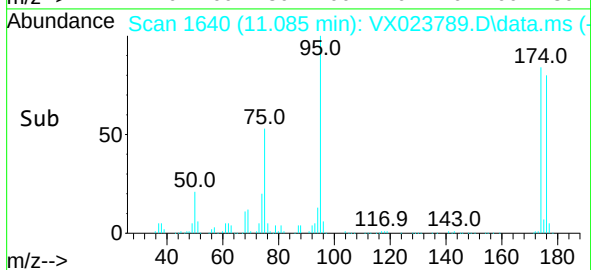
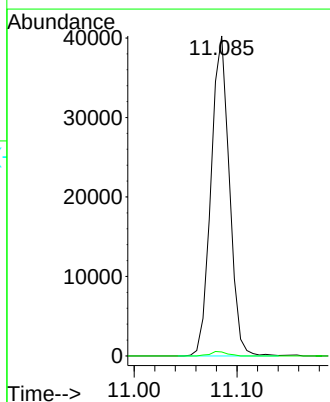
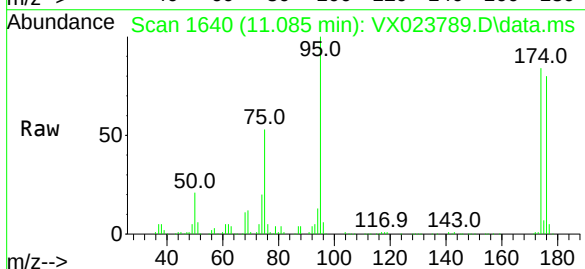
Instrument :
 MSVOA_X
 ClientSampled :
 20N

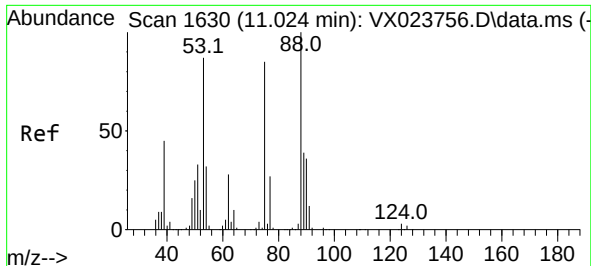
Tgt Ion:152 Resp: 81748
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 158.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.222 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023789.D
 Acq: 18 Aug 2021 02:18

Tgt Ion: 75 Resp: 50004
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

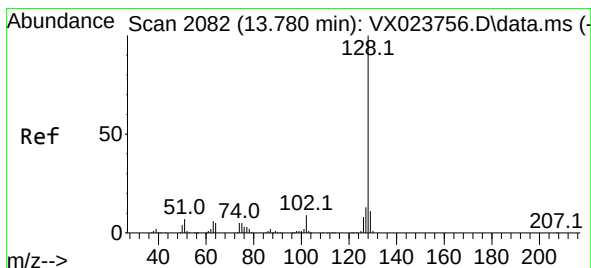
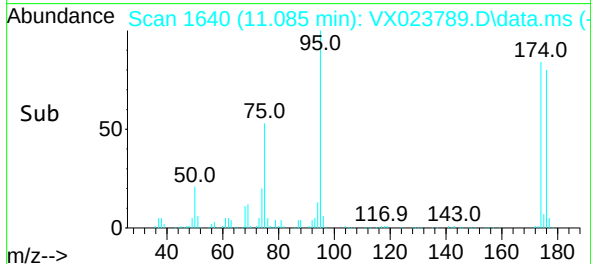
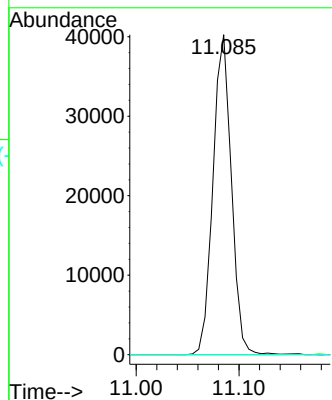
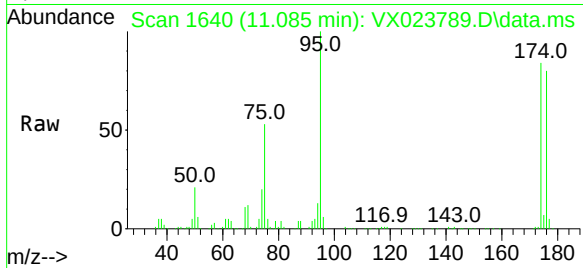




#81
trans-1,4-Dichloro-2-butene
Concen: 77.132 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Instrument :
MSVOA_X
ClientSampled :
20N

Tgt Ion: 75 Resp: 50004
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.313 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023789.D
Acq: 18 Aug 2021 02:18

Tgt Ion: 128 Resp: 187
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

