

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081321\
 Data File : VX023724.D
 Acq On : 14 Aug 2021 05:35
 Operator : JC/MD
 Sample : M3397-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 06:56:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

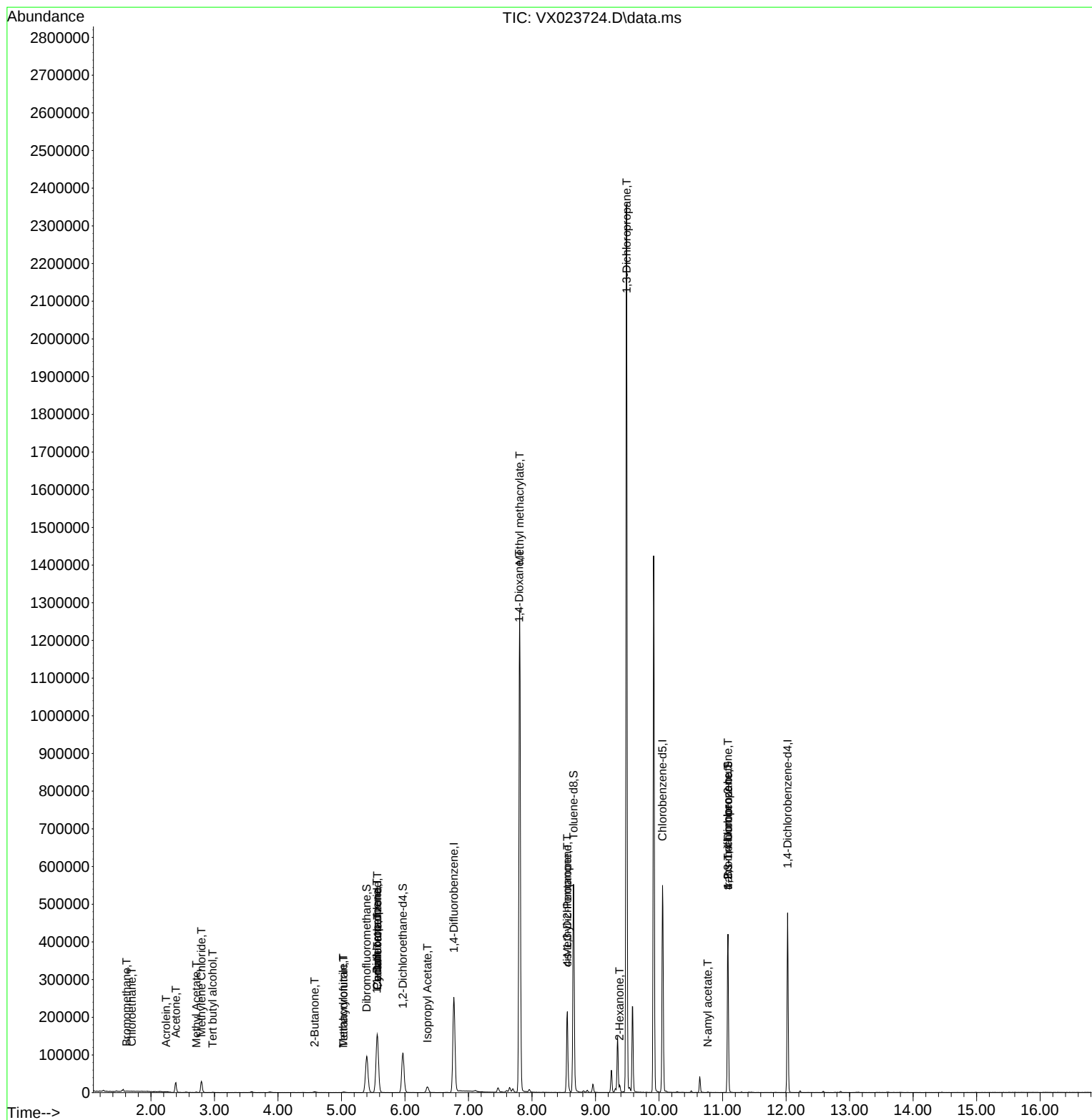
Internal Standards						
1) Pentafluorobenzene	5.562	168	145111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	249100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103330	57.084	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 114.160%		
35) Dibromofluoromethane	5.397	113	81346	52.229	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.460%		
50) Toluene-d8	8.653	98	312531	54.617	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.240%		
62) 4-Bromofluorobenzene	11.085	95	105592	54.267	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 108.540%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	262	0.280	ug/l #	63
6) Chloroethane	1.697	64	224	0.232	ug/l #	43
11) Tert butyl alcohol	2.971	59	694	1.678	ug/l #	73
13) Acrolein	2.239	56	63	1.662	ug/l #	1
16) Acetone	2.392	43	27948	31.475	ug/l	93
18) Methyl Acetate	2.715	43	1780	0.843	ug/l #	87
20) Methylene Chloride	2.794	84	12970	7.509	ug/l	92
25) 2-Butanone	4.574	43	4366	3.167	ug/l #	81
29) Tetrahydrofuran	5.032	42	1492	1.651	ug/l #	67
31) Cyclohexane	5.562	56	3254	1.214	ug/l #	35
36) 1,1-Dichloropropene	5.556	75	11445	5.079	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15086	6.583	ug/l #	16
41) Methacrylonitrile	5.026	41	449	0.299	ug/l #	21
43) Isopropyl Acetate	6.355	43	20981	4.766	ug/l #	92
48) Methyl methacrylate	7.806	41	114871	56.338	ug/l #	38
49) 1,4-Dioxane	7.799	88	112	2.580	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	75946	28.203	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	31512	11.700	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	19395	6.810	ug/l #	43
59) 2-Hexanone	9.378	43	8427	4.121	ug/l #	19
74) N-amyl acetate	10.768	43	916	0.282	ug/l #	46
76) 1,2,3-Trichloropropane	11.085	75	56977	27.486	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	56977	73.908	ug/l #	12

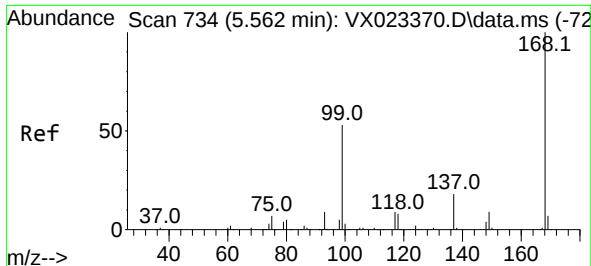
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Aug 14 06:56:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

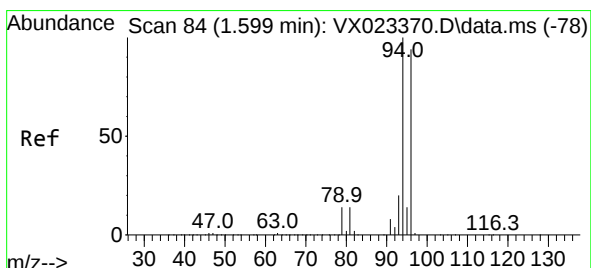
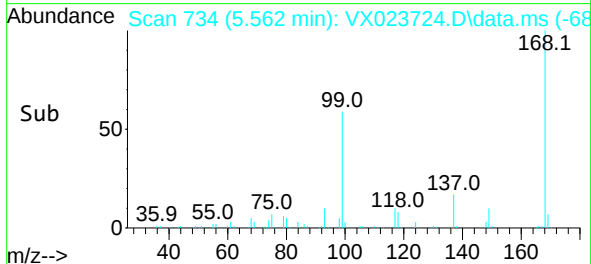
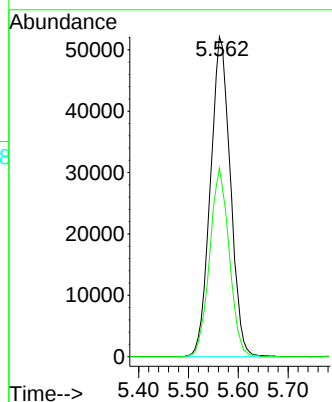
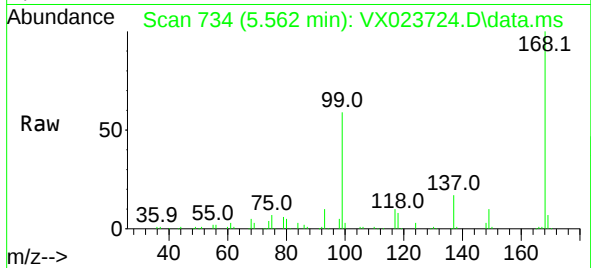




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

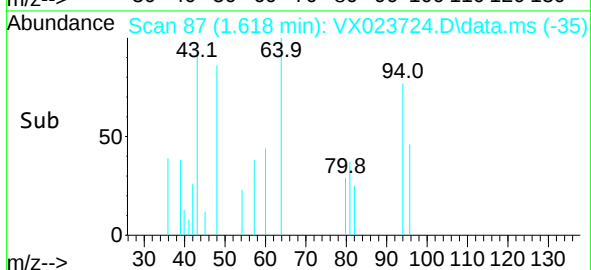
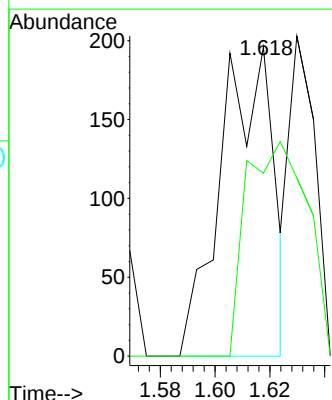
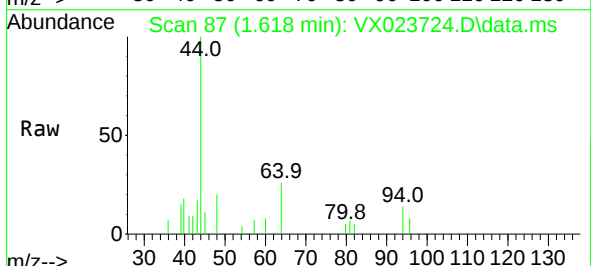
Instrument :
MSVOA_X
ClientSampled :

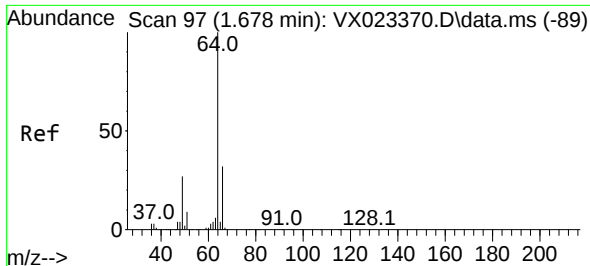
Tgt Ion:168 Resp: 145111
Ion Ratio Lower Upper
168 100
99 58.9 45.8 68.6



#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 59.2 76.4 114.6#

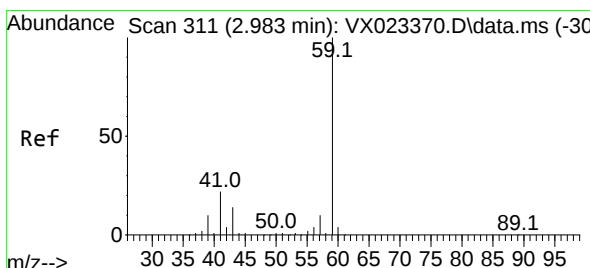
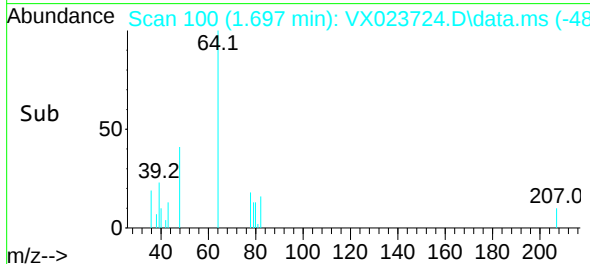
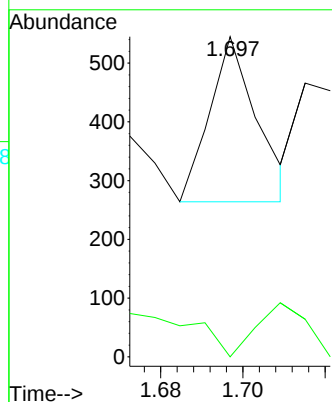
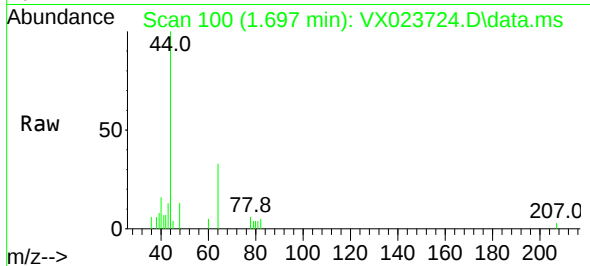




#6
Chloroethane
Concen: 0.232 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

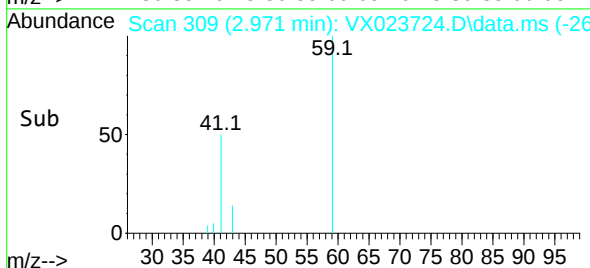
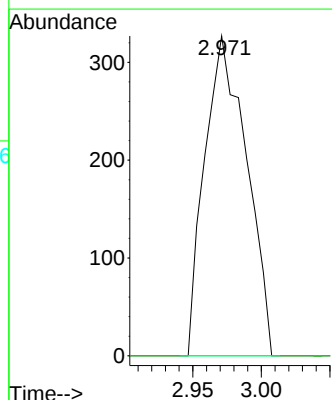
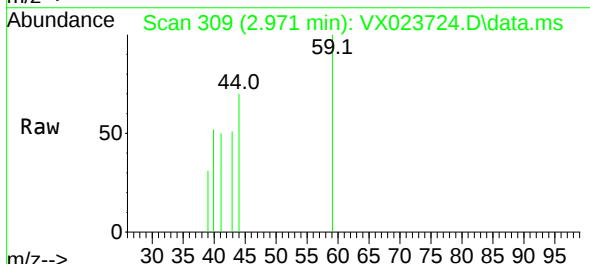
Instrument :
MSVOA_X
ClientSampleId :

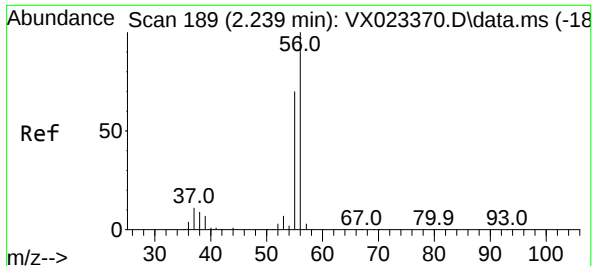
Tgt Ion: 64 Resp: 224
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.678 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 59 Resp: 694
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

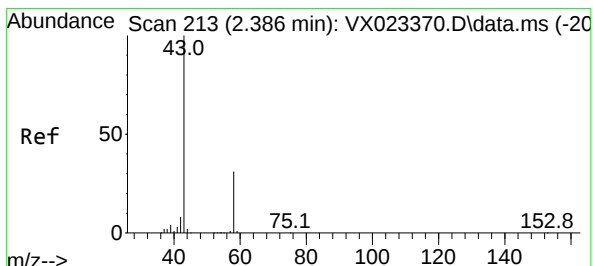
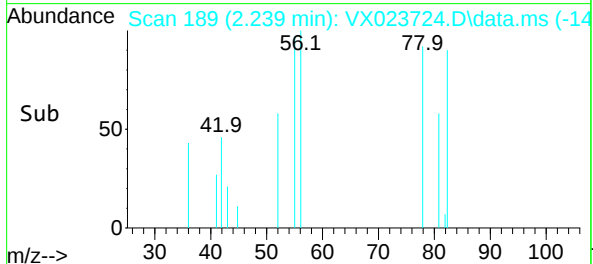
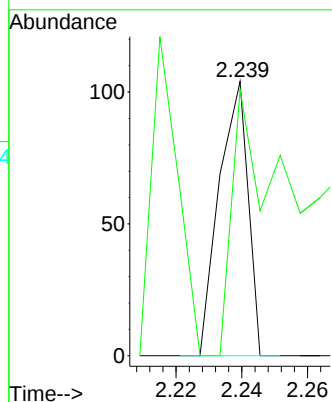
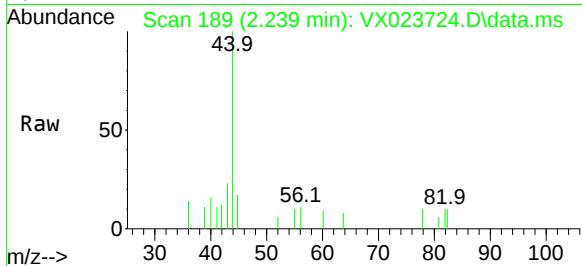




#13
Acrolein
Concen: 1.662 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

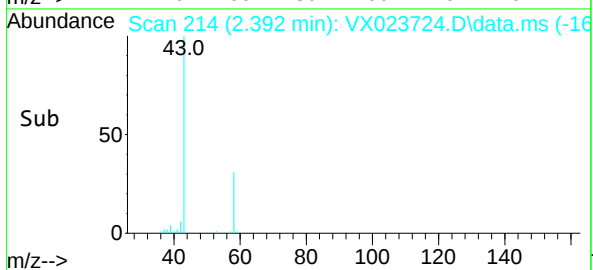
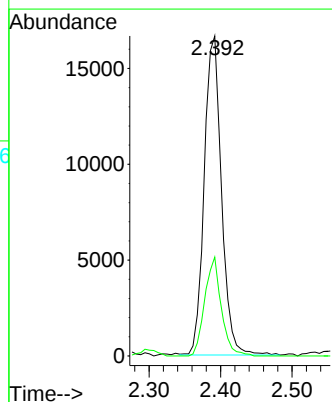
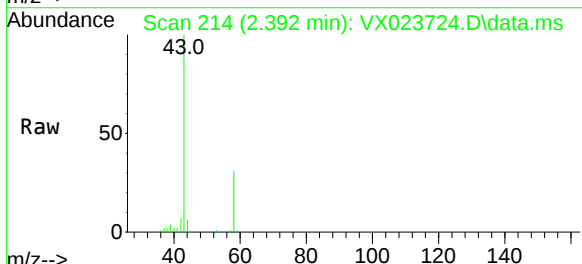
Instrument :
MSVOA_X
ClientSampled :

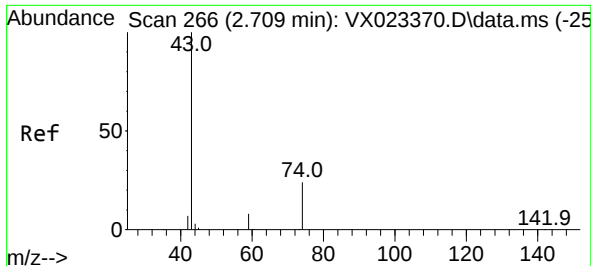
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 239.7 56.4 84.6#



#16
Acetone
Concen: 31.475 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 43 Resp: 27948
Ion Ratio Lower Upper
43 100
58 31.0 27.8 41.8

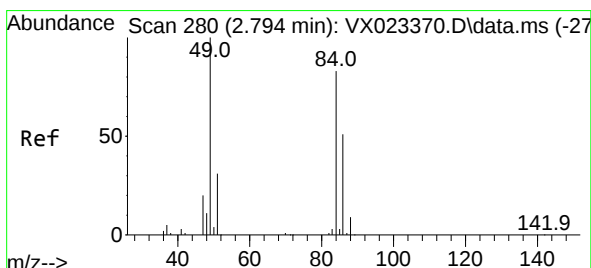
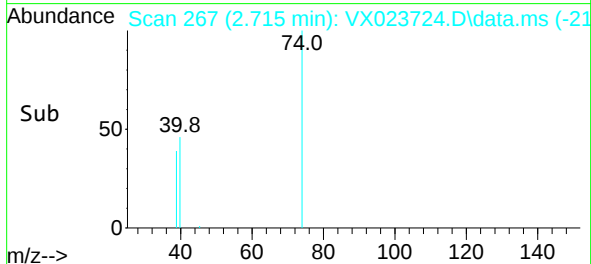
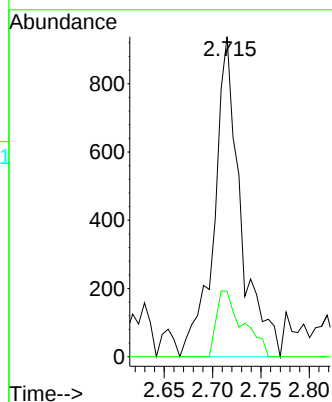
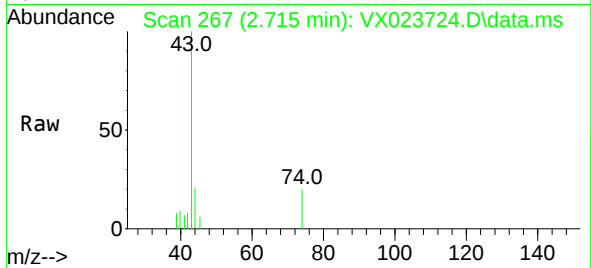




#18
Methyl Acetate
Concen: 0.843 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

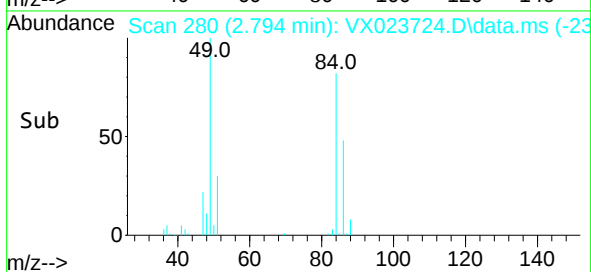
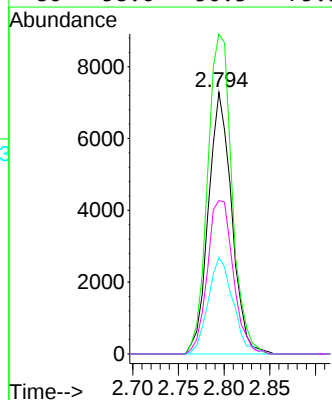
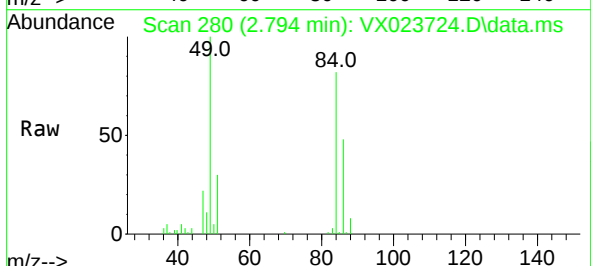
Instrument :
MSVOA_X
ClientSampled :

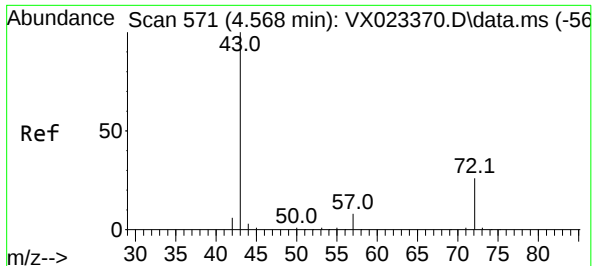
Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
74 20.4 21.9 32.9#



#20
Methylene Chloride
Concen: 7.509 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 84 Resp: 12970
Ion Ratio Lower Upper
84 100
49 122.3 88.6 132.8
51 36.8 27.0 40.6
86 58.6 50.3 75.5





#25

2-Butanone

Concen: 3.167 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX023724.D

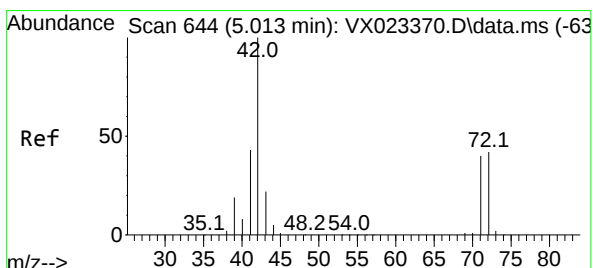
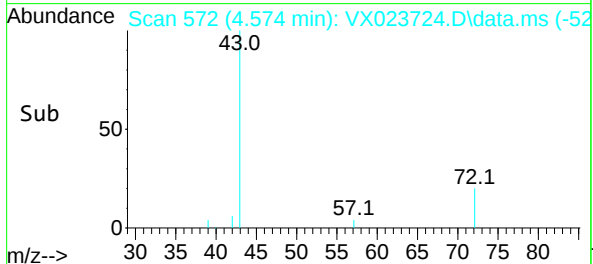
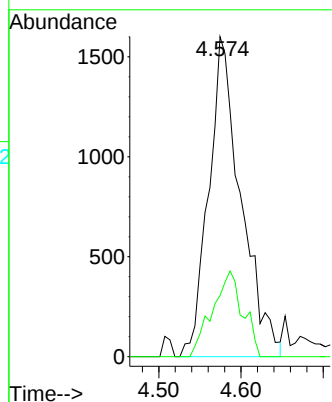
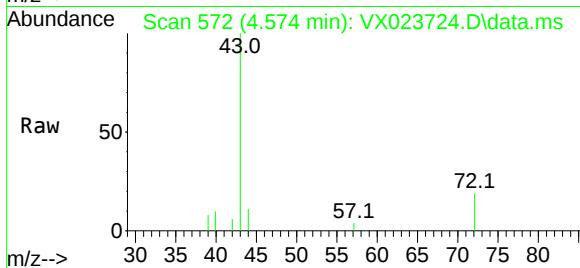
Acq: 14 Aug 2021 05:35

Tgt Ion: 43 Resp: 4366

Ion Ratio Lower Upper

43 100

72 19.1 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.651 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX023724.D

Acq: 14 Aug 2021 05:35

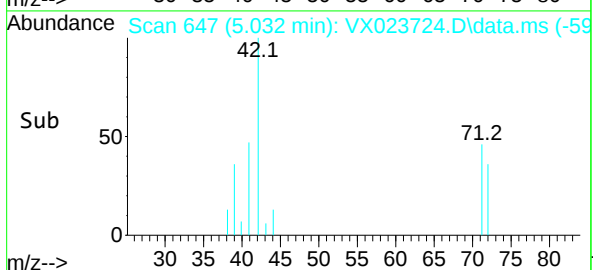
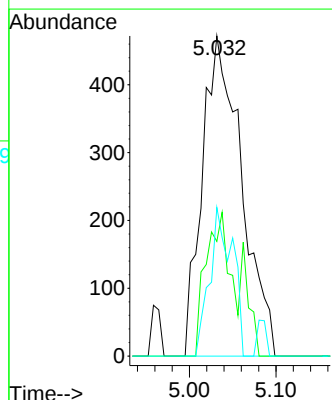
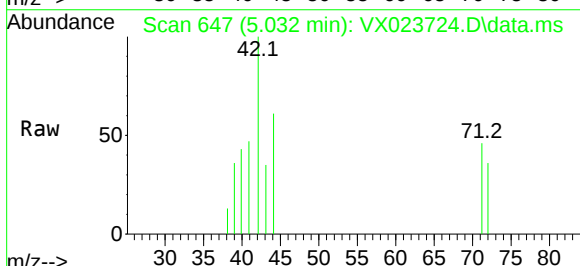
Tgt Ion: 42 Resp: 1492

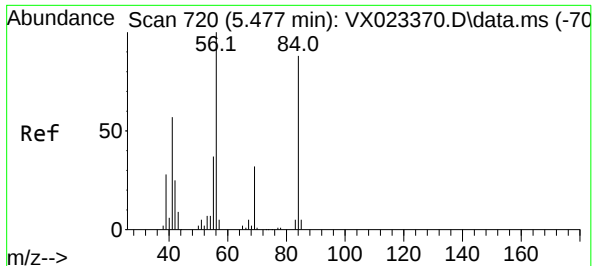
Ion Ratio Lower Upper

42 100

72 27.5 41.7 62.5#

71 27.0 38.4 57.6#

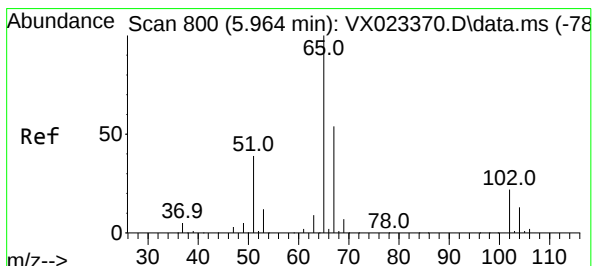
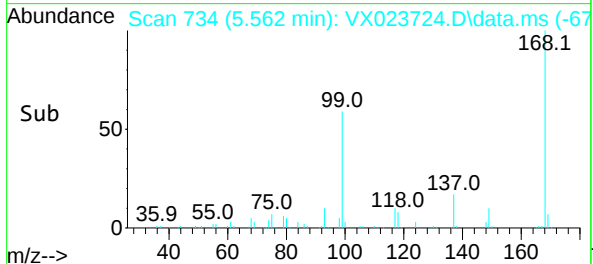
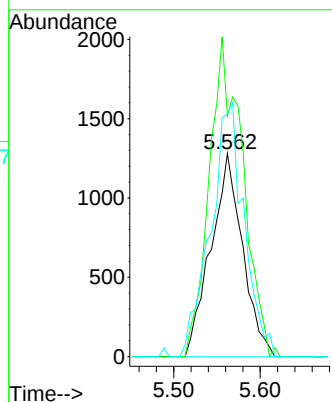
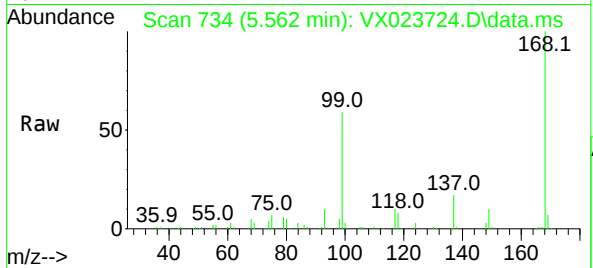




#31
Cyclohexane
Concen: 1.214 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

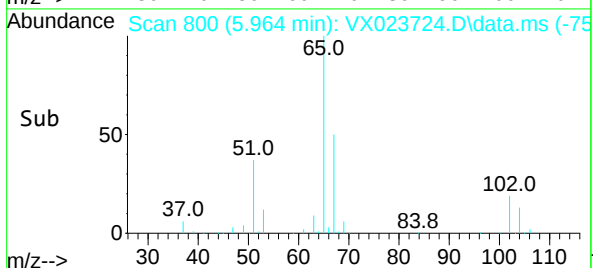
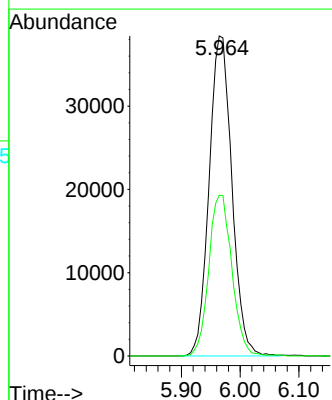
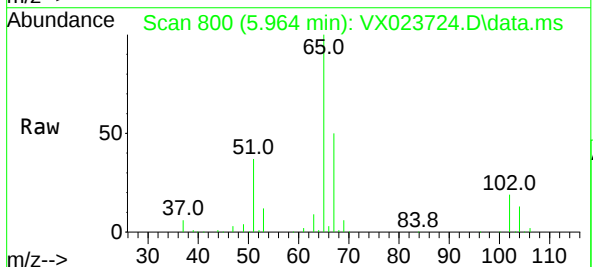
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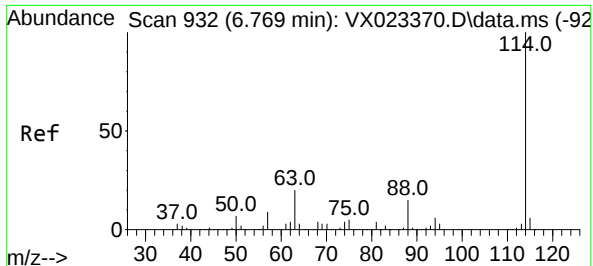
Tgt Ion: 56 Resp: 3254
Ion Ratio Lower Upper
56 100
69 118.5 25.3 37.9#
84 119.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 57.084 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 65 Resp: 103330
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

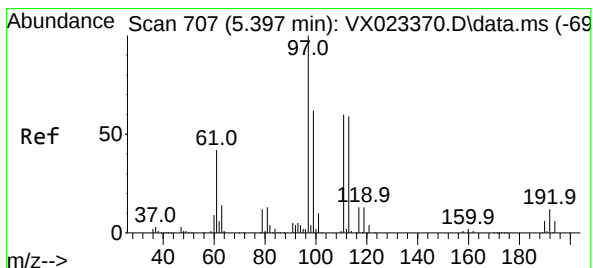
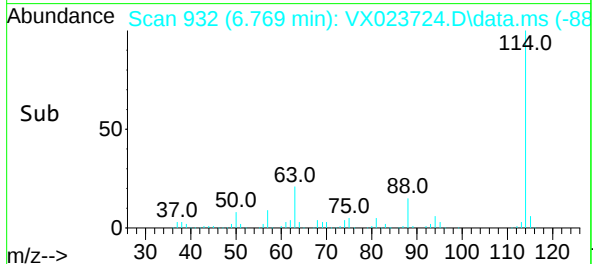
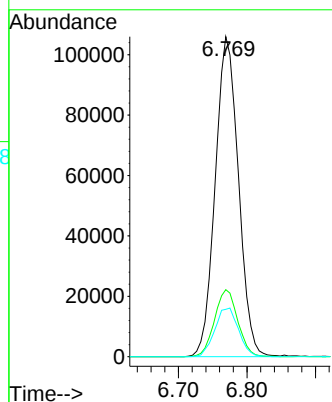
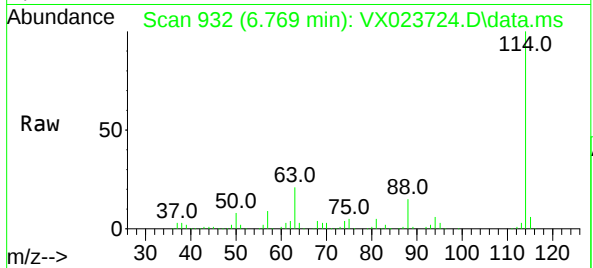




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

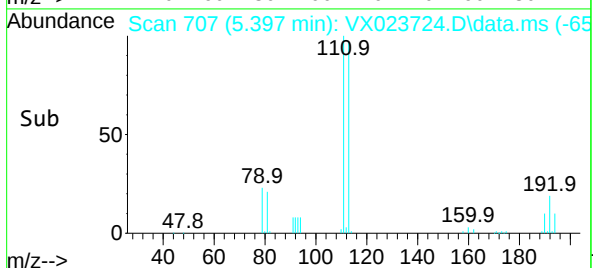
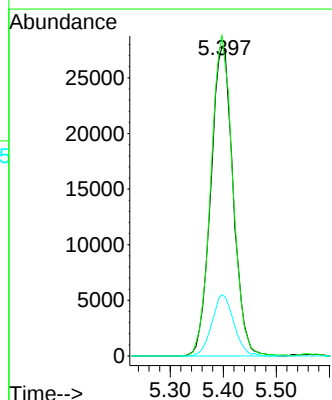
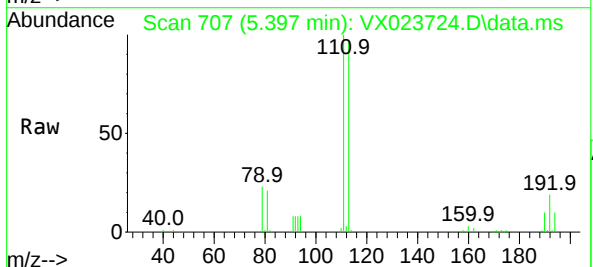
Instrument :
MSVOA_X
ClientSampleId :

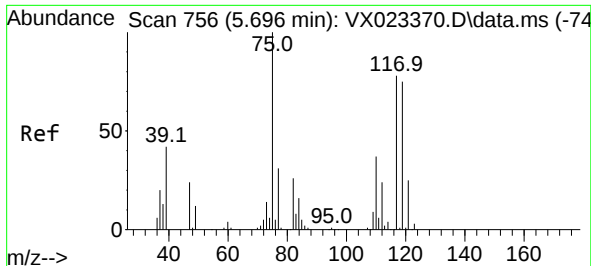
Tgt Ion:114 Resp: 249100
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 14.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.229 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion:113 Resp: 81346
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.4 16.7 25.1

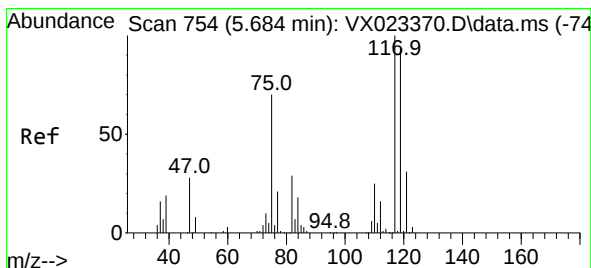
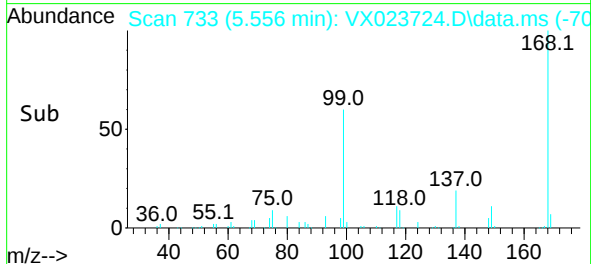
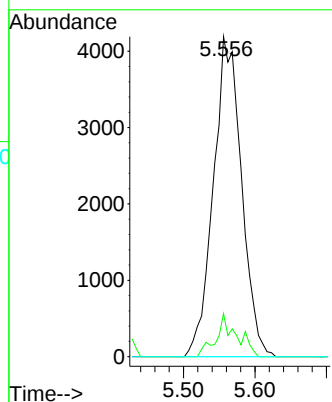
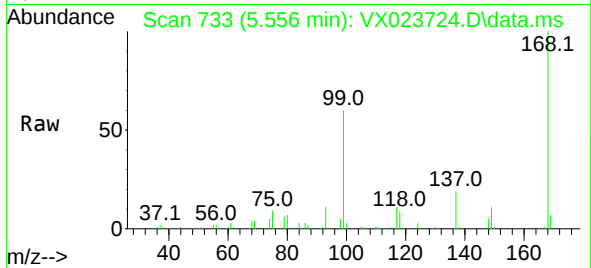




#36
1,1-Dichloropropene
Concen: 5.079 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

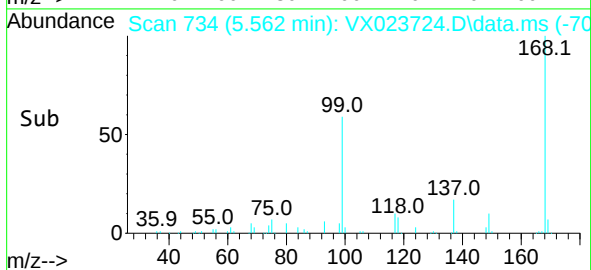
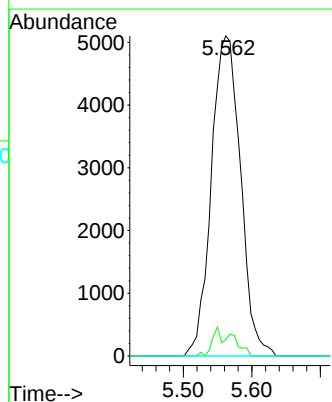
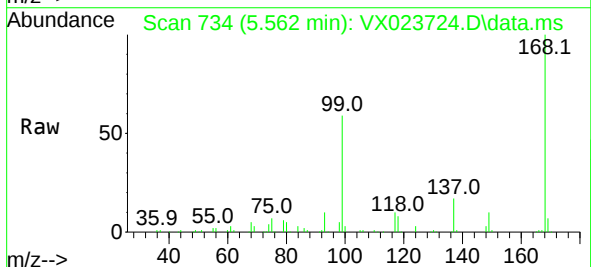
Instrument :
MSVOA_X
ClientSampled :

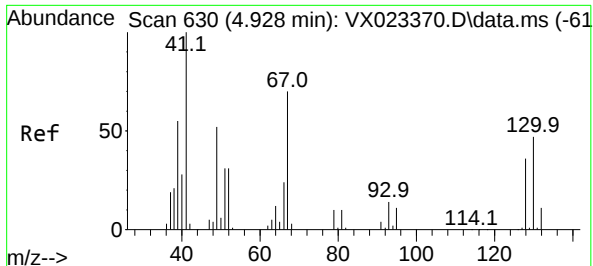
Tgt Ion: 75 Resp: 11445
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.583 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 117 Resp: 15086
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

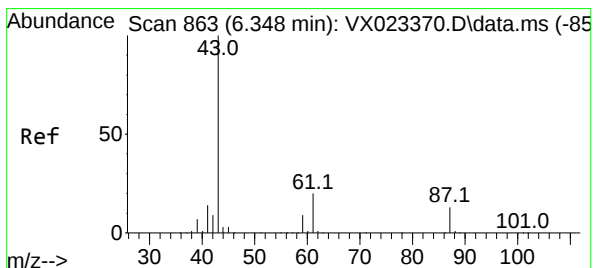
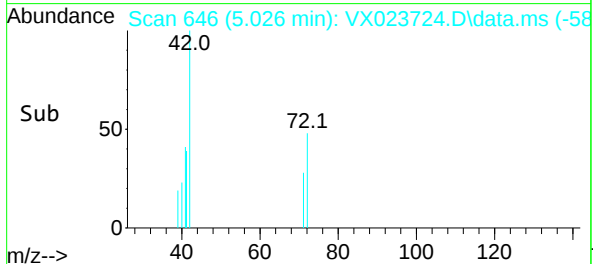
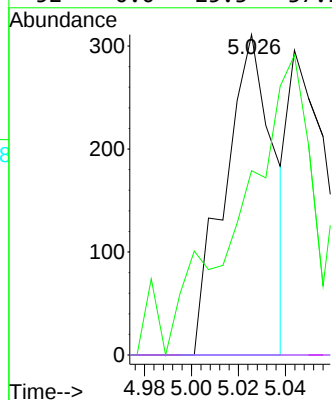
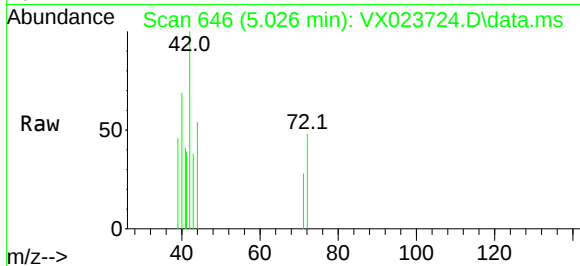




#41
Methacrylonitrile
Concen: 0.299 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

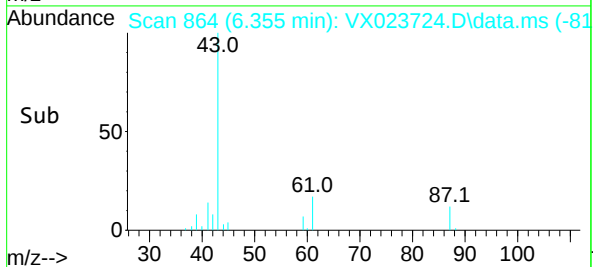
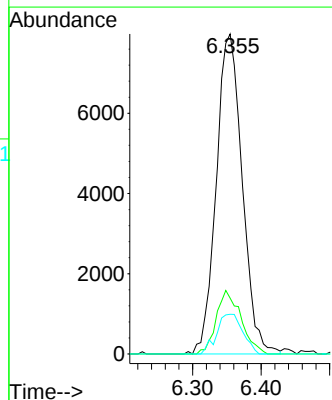
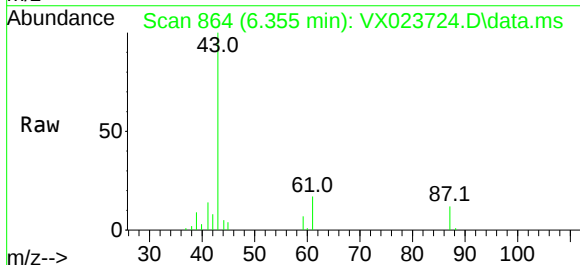
Instrument :
MSVOA_X
ClientSampled :

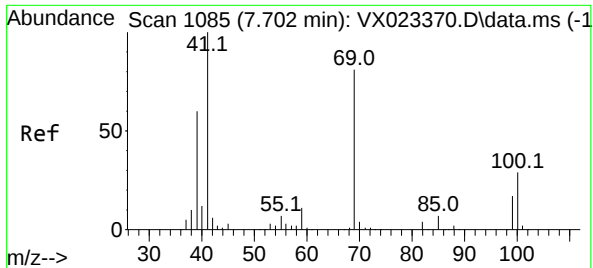
Tgt Ion: 41	Resp: 449
Ion Ratio	Lower Upper
41 100	
39 0.0	42.5 63.7#
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 4.766 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 43	Resp: 20981
Ion Ratio	Lower Upper
43 100	
61 18.9	18.2 27.4
87 12.5	12.5 18.7#

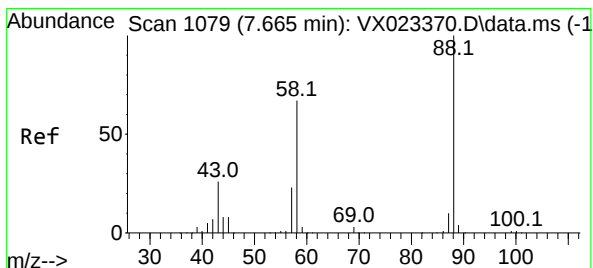
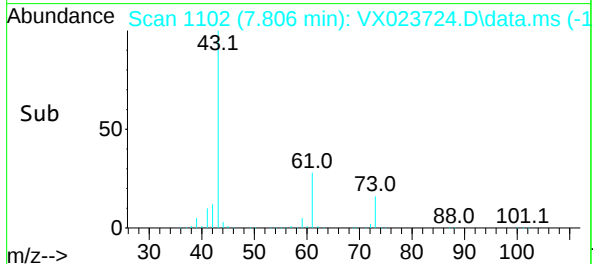
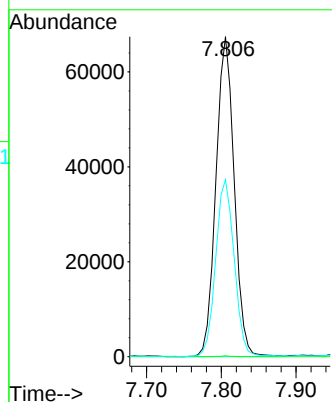
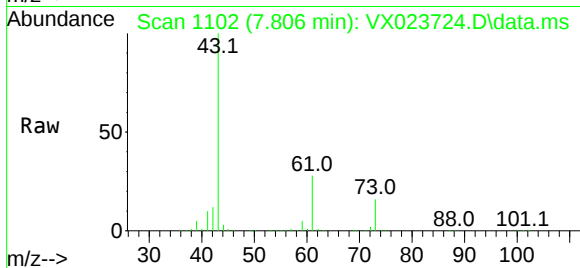




#48
Methyl methacrylate
Concen: 56.338 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.104 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

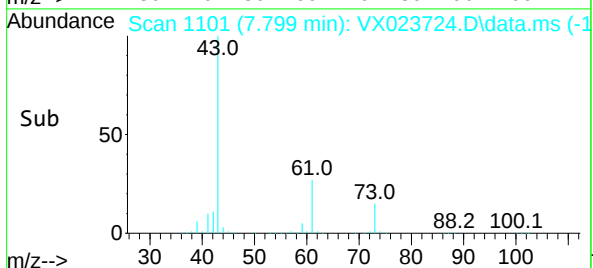
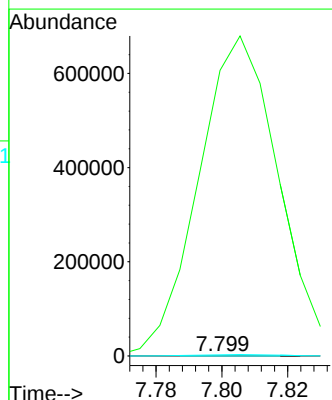
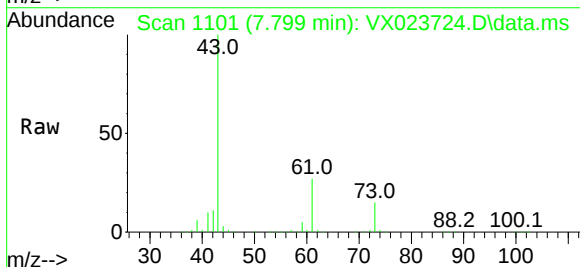
Instrument :
MSVOA_X
ClientSampleId :

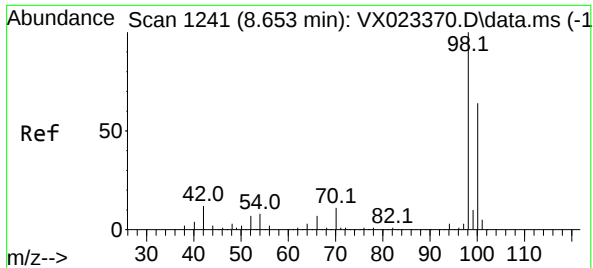
Tgt Ion: 41 Resp: 114871
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 56.1 44.6 67.0



#49
1,4-Dioxane
Concen: 2.580 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 1033080.4 23.2 34.8#
58 4555.4 55.0 82.4#

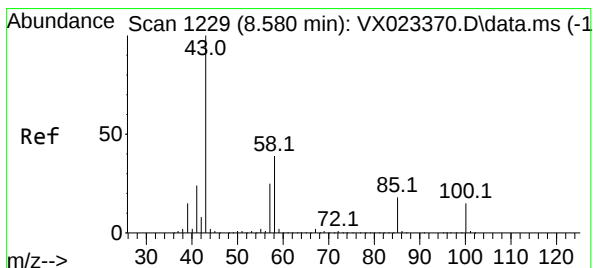
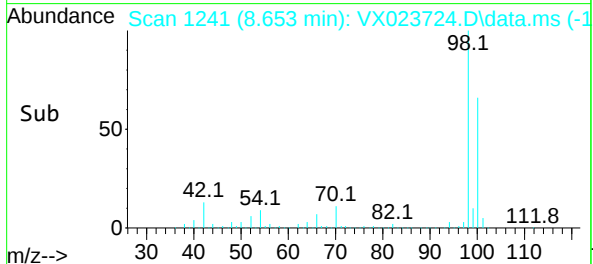
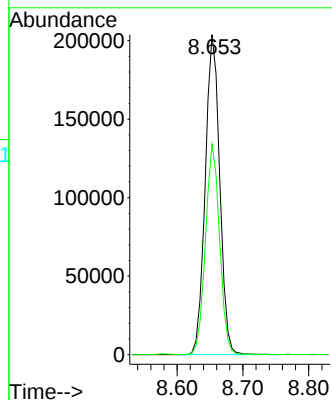
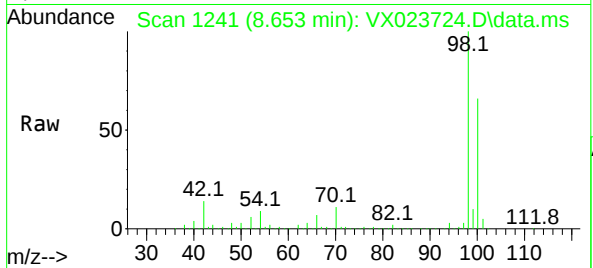




#50
Toluene-d8
Concen: 54.617 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

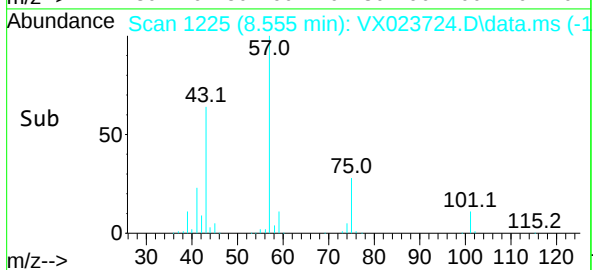
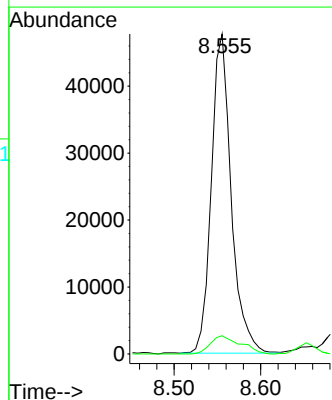
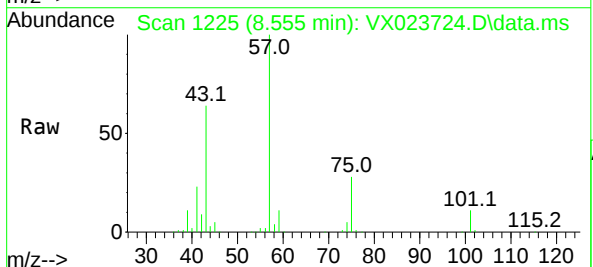
Instrument :
MSVOA_X
ClientSampled :

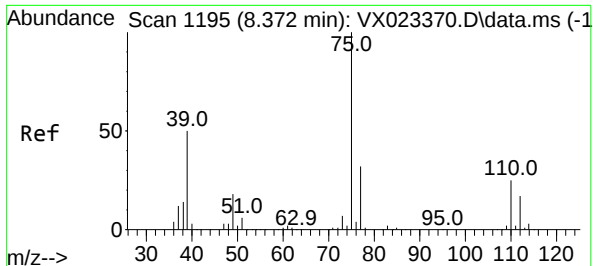
Tgt Ion: 98 Resp: 312531
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 28.203 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 43 Resp: 75946
Ion Ratio Lower Upper
43 100
58 8.6 35.4 53.0#

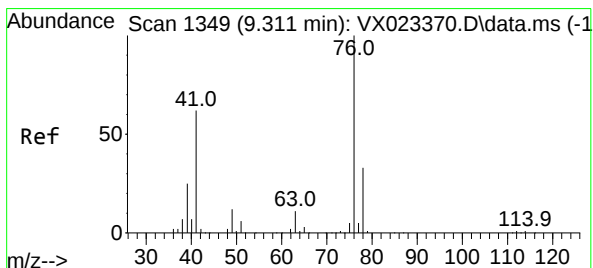
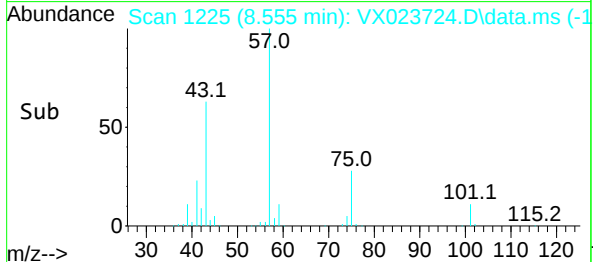
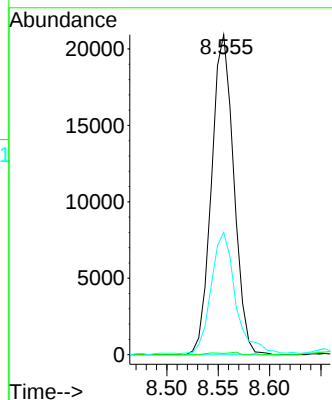
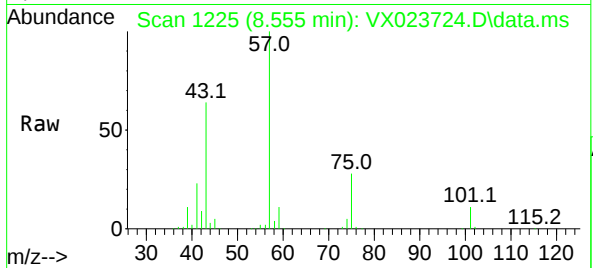




#54
 cis-1,3-Dichloropropene
 Concen: 11.700 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023724.D
 Acq: 14 Aug 2021 05:35

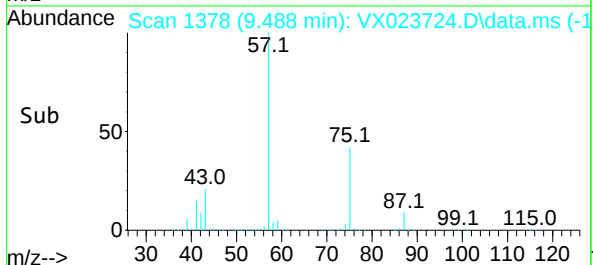
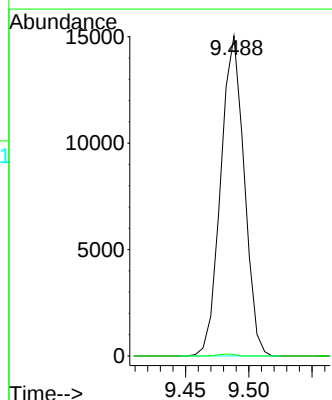
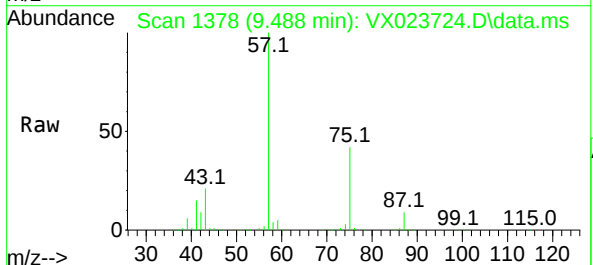
Instrument :
 MSVOA_X
 ClientSampled :

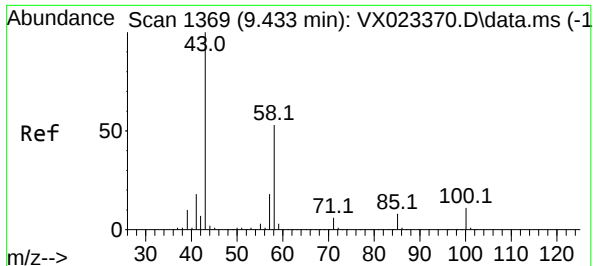
Tgt Ion: 75 Resp: 31512
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 37.9 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 6.810 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023724.D
 Acq: 14 Aug 2021 05:35

Tgt Ion: 76 Resp: 19395
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

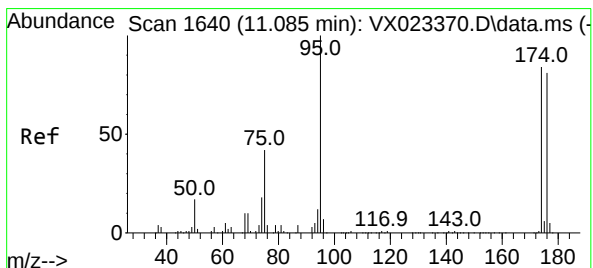
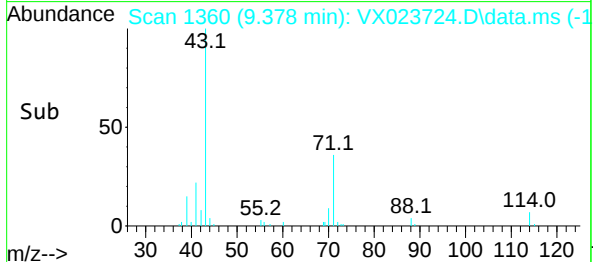
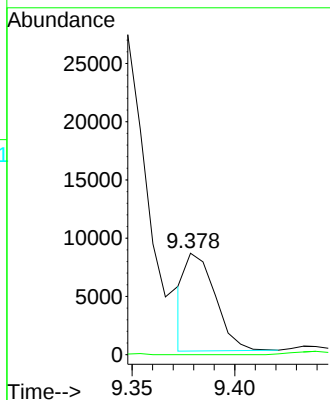
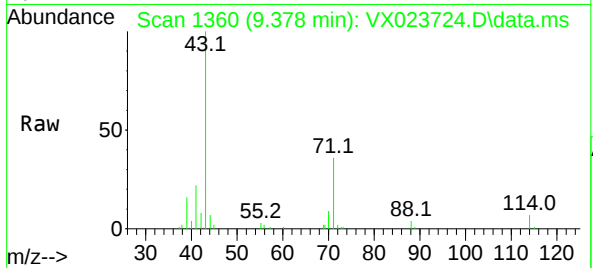




#59
2-Hexanone
Concen: 4.121 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

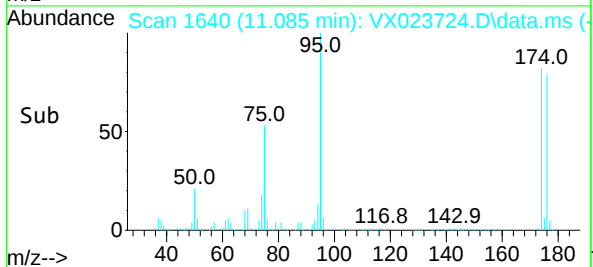
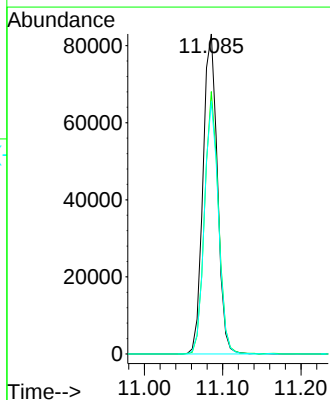
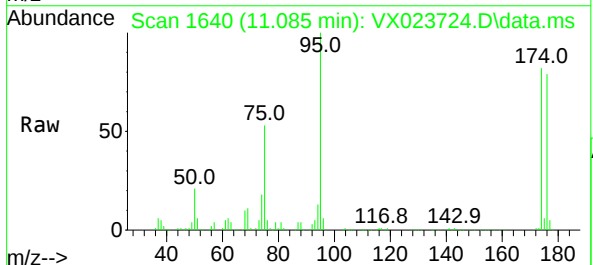
Instrument :
MSVOA_X
ClientSampled :

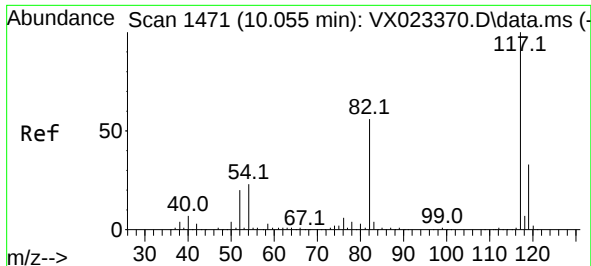
Tgt Ion: 43 Resp: 8427
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 54.267 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

Tgt Ion: 95 Resp: 105592
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.6
176 77.3 0.0 155.8

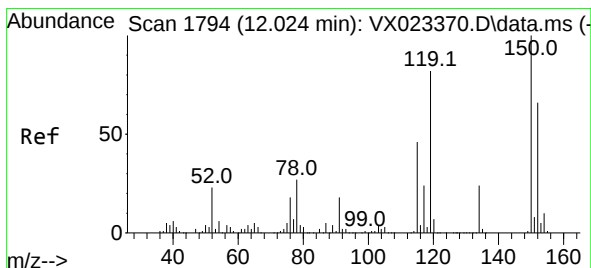
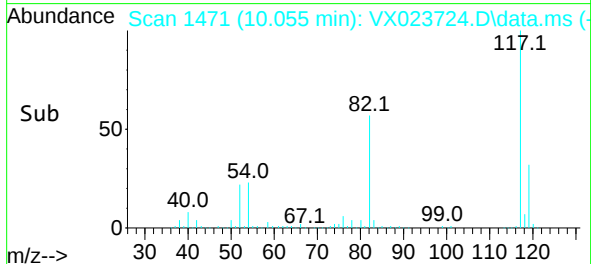
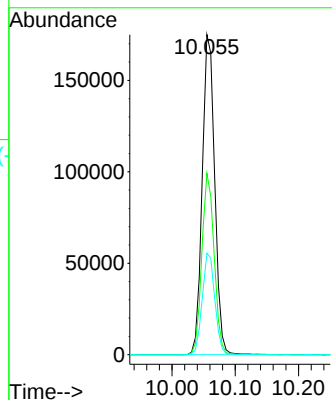
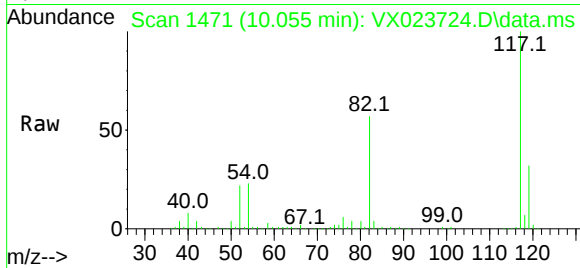




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

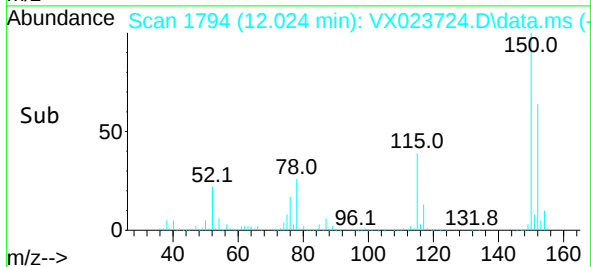
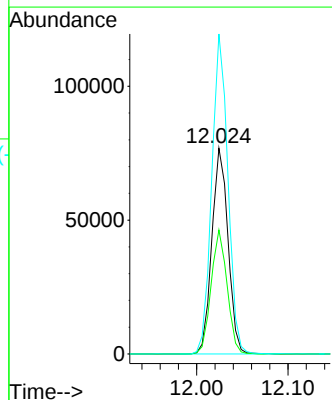
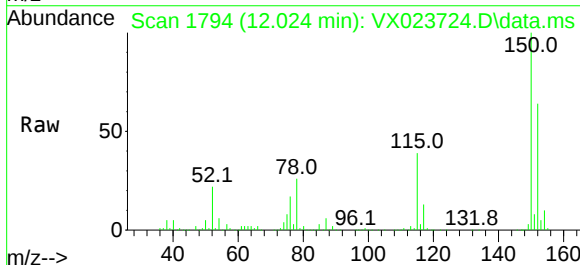
Instrument :
MSVOA_X
ClientSampled :

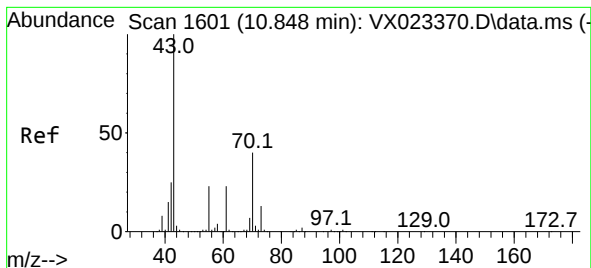
Tgt Ion:117 Resp: 240660
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

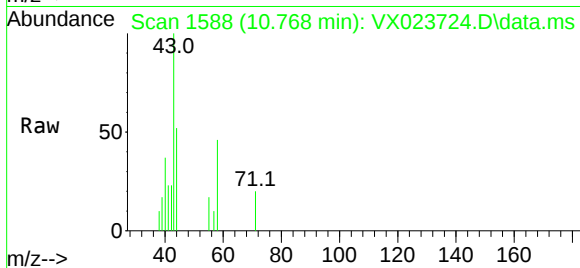
Tgt Ion:152 Resp: 94199
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 155.2 0.0 349.0



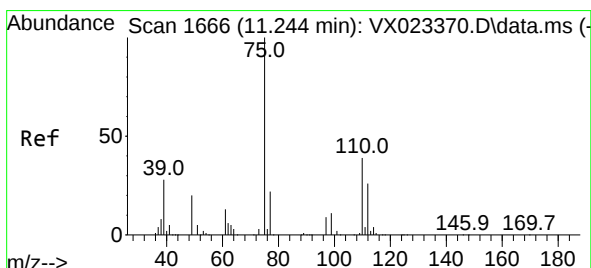
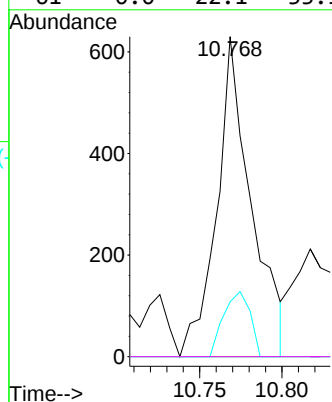
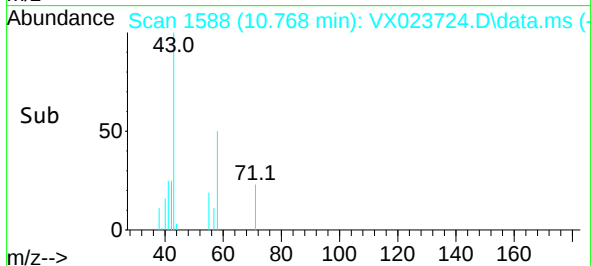


#74
N-amy1 acetate
Concen: 0.282 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35

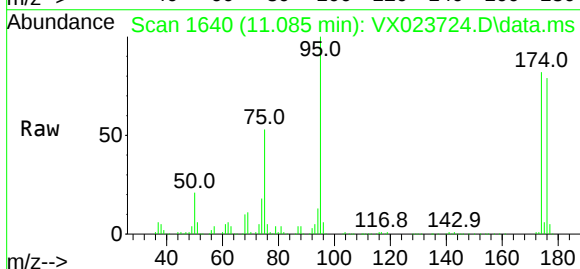
Instrument :
MSVOA_X
ClientSampleId :



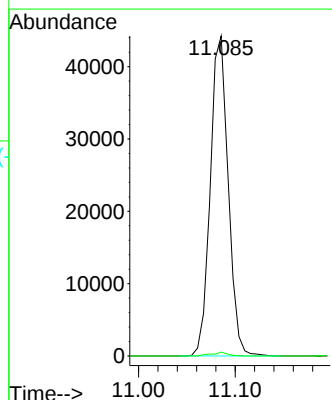
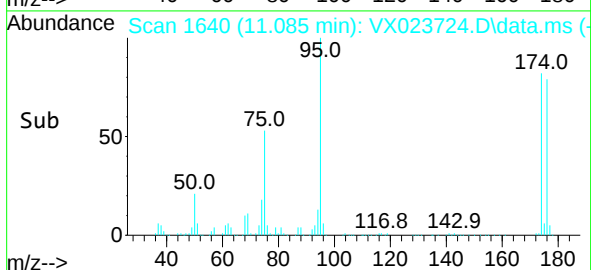
Tgt Ion: 43	Resp:	916
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	15.6	21.5 32.3#
61	0.0	22.1 33.1#

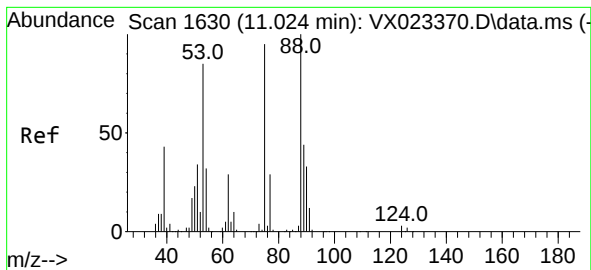


#76
1,2,3-Trichloropropane
Concen: 27.486 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023724.D
Acq: 14 Aug 2021 05:35



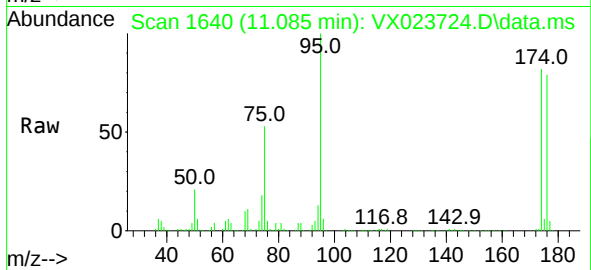
Tgt Ion: 75	Resp:	56977
Ion	Ratio	Lower Upper
75	100	
77	1.1	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.908 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023724.D
 Acq: 14 Aug 2021 05:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	56977
Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.5	111.7#
89	0.1	37.9	56.9#

