

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023750.D
 Acq On : 16 Aug 2021 19:56
 Operator : JC/MD
 Sample : M3408-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:20:31 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)

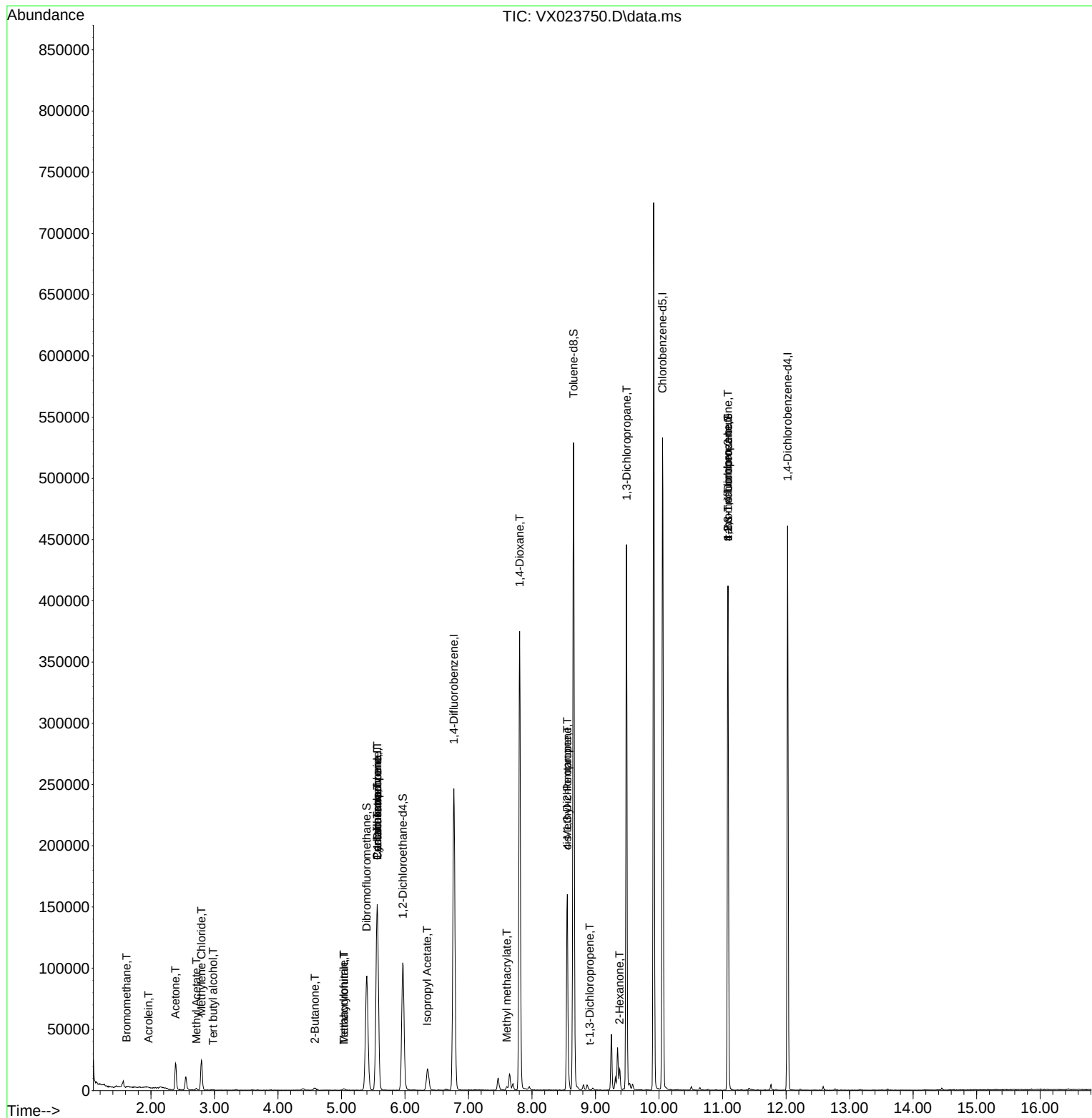
Internal Standards						
1) Pentafluorobenzene	5.562	168	142219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101461	57.192	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 114.380%		
35) Dibromofluoromethane	5.397	113	79610	52.283	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.560%		
50) Toluene-d8	8.653	98	307489	54.965	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.920%		
62) 4-Bromofluorobenzene	11.085	95	102179	53.714	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.420%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	199	0.217	ug/l	81
11) Tert butyl alcohol	2.977	59	394	0.972	ug/l #	73
13) Acrolein	1.959	56	20	1.460	ug/l #	1
16) Acetone	2.386	43	23541	27.051	ug/l	93
18) Methyl Acetate	2.715	43	1744	0.843	ug/l #	84
20) Methylene Chloride	2.794	84	10790	6.374	ug/l	90
25) 2-Butanone	4.580	43	2731	2.021	ug/l #	83
29) Tetrahydrofuran	5.038	42	891	1.006	ug/l #	70
31) Cyclohexane	5.562	56	3436	1.307	ug/l #	25
36) 1,1-Dichloropropene	5.562	75	11162	5.067	ug/l #	46
38) Carbon Tetrachloride	5.562	117	14432	6.442	ug/l #	16
41) Methacrylonitrile	5.038	41	701	0.478	ug/l #	37
43) Isopropyl Acetate	6.348	43	20112	4.673	ug/l #	88
48) Methyl methacrylate	7.604	41	3607	1.809	ug/l #	22
49) 1,4-Dioxane	7.805	88	22	0.518	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	56973	21.641	ug/l #	46
53) t-1,3-Dichloropropene	8.909	75	28	1.827	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	22978	8.727	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	3512	1.261	ug/l #	42
59) 2-Hexanone	9.378	43	10903	5.454	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	54293	27.677	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54293	74.420	ug/l #	12

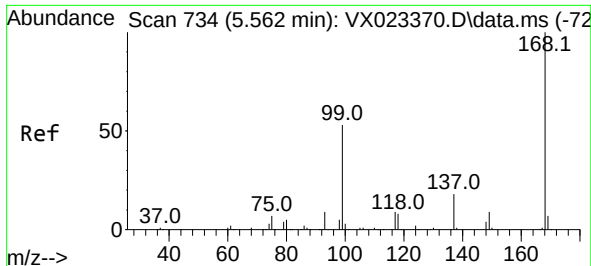
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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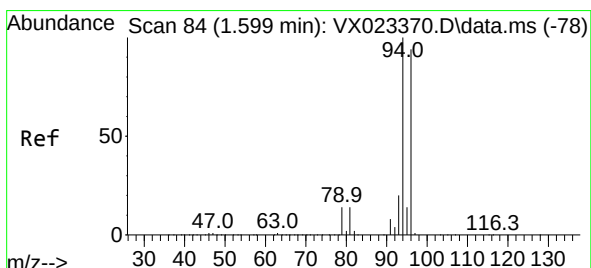
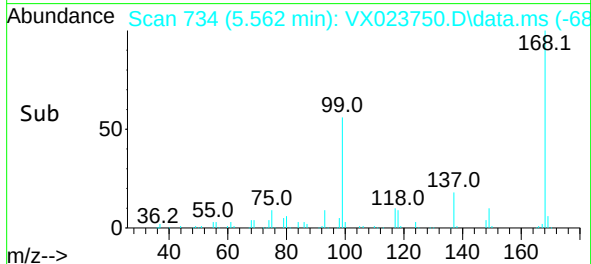
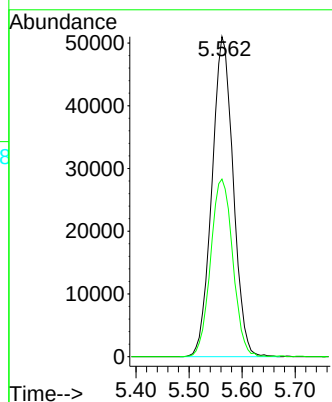
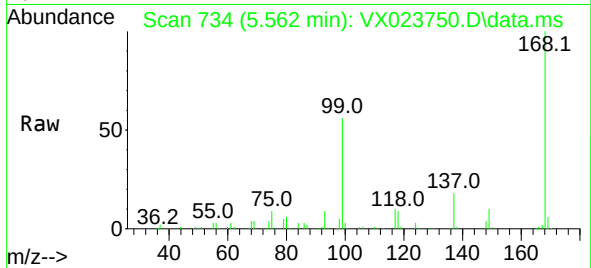




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

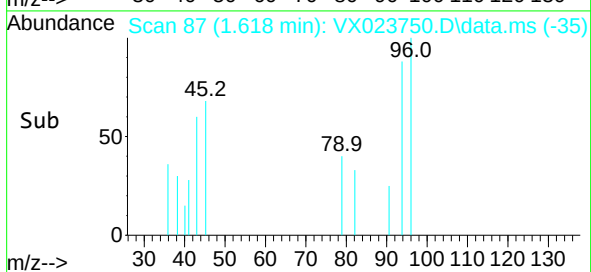
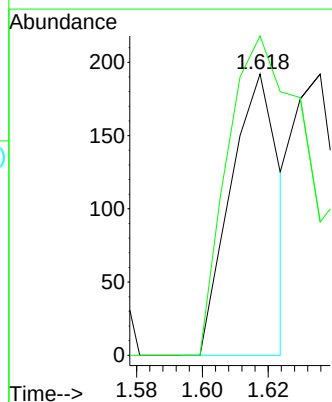
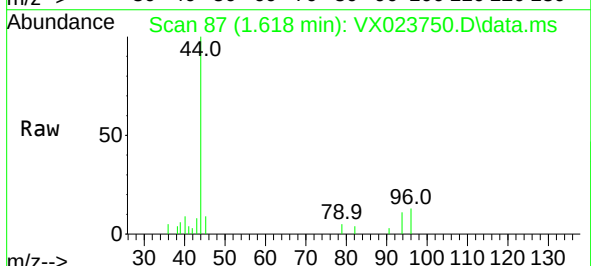
Instrument :
MSVOA_X
ClientSampled :

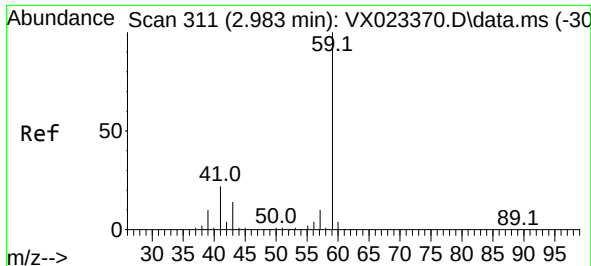
Tgt Ion:168 Resp: 142219
Ion Ratio Lower Upper
168 100
99 55.5 45.8 68.6



#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 113.5 76.4 114.6

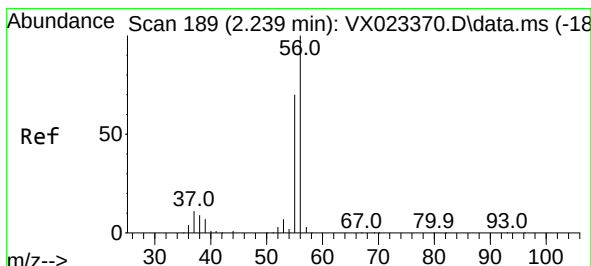
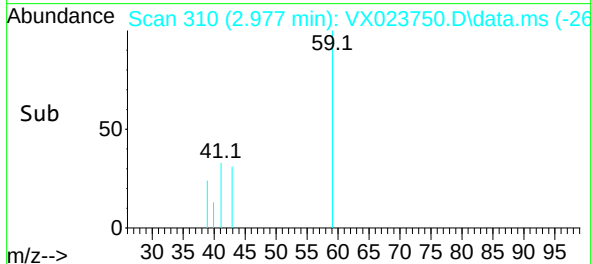
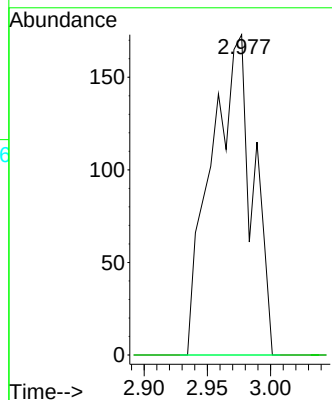
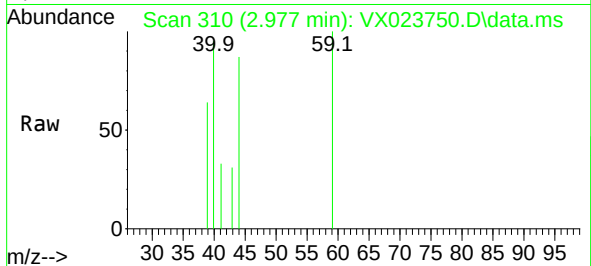




#11
Tert butyl alcohol
Concen: 0.972 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

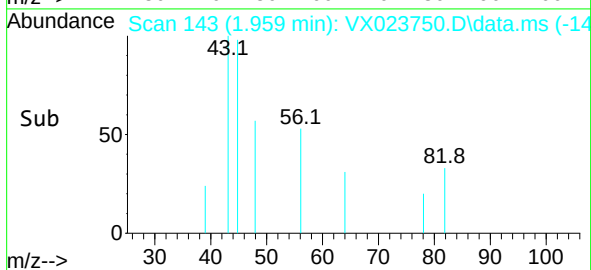
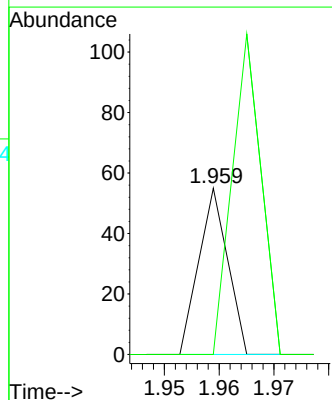
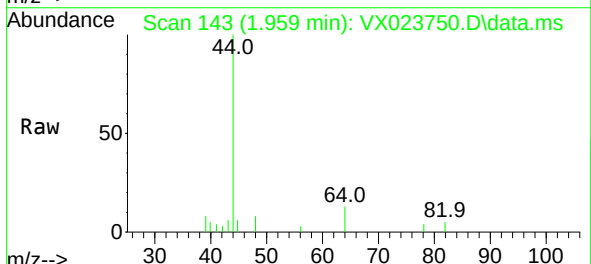
Instrument :
MSVOA_X
ClientSampled :

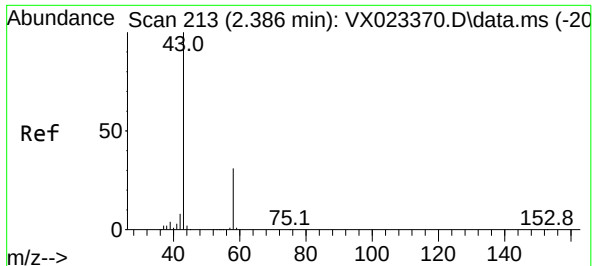
Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.460 ug/l
RT: 1.959 min Scan# 143
Delta R.T. -0.280 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 195.0 56.4 84.6#

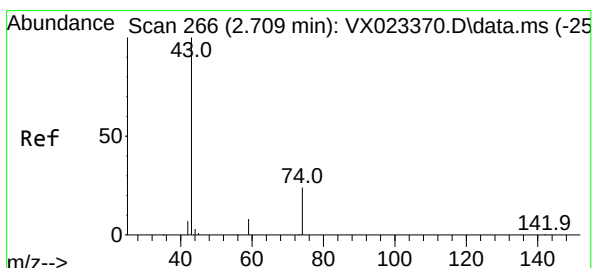
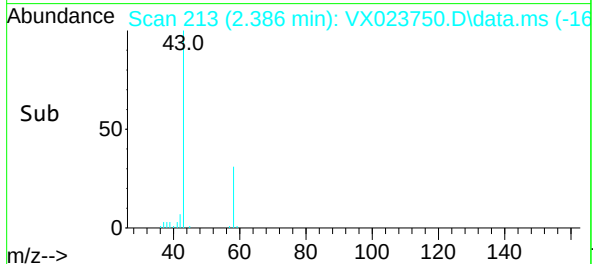
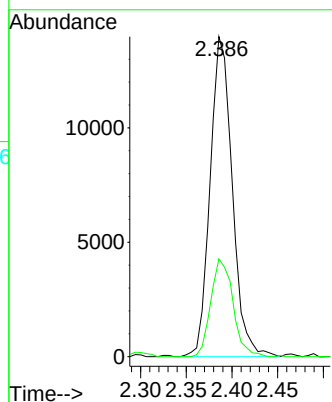
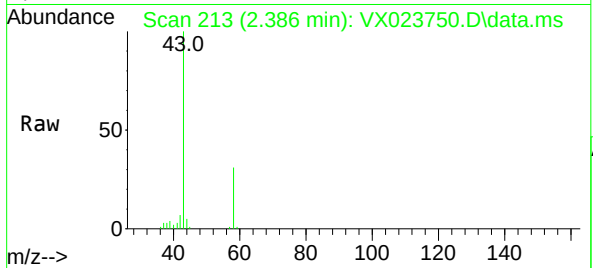




#16
Acetone
Concen: 27.051 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

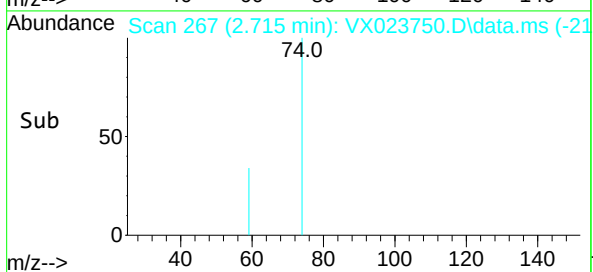
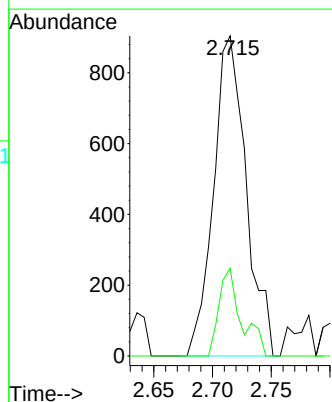
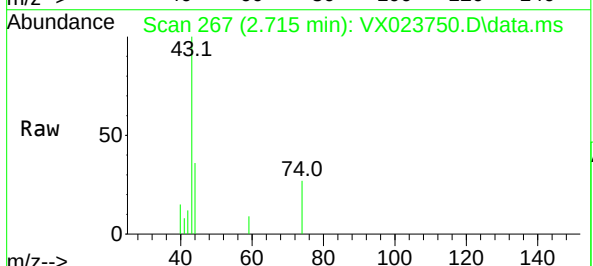
Instrument :
MSVOA_X
ClientSampled :

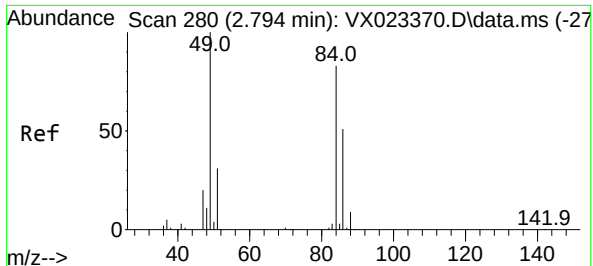
Tgt Ion: 43 Resp: 23541
Ion Ratio Lower Upper
43 100
58 30.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.843 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

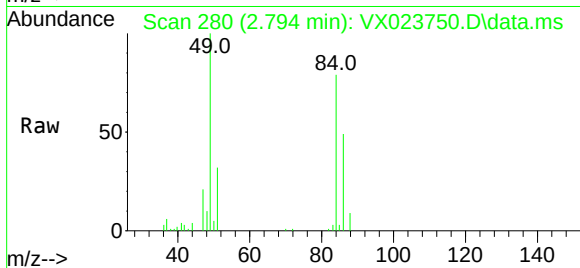
Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
74 18.9 21.9 32.9#



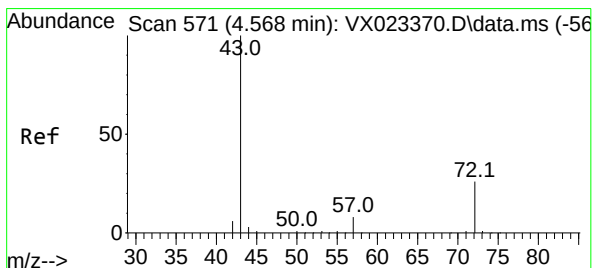
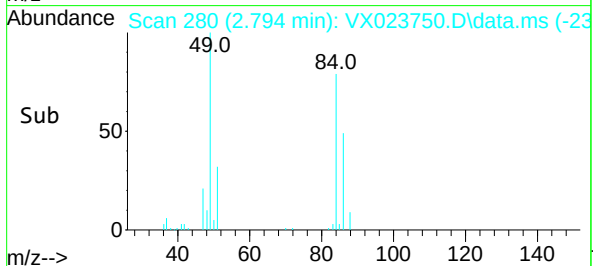
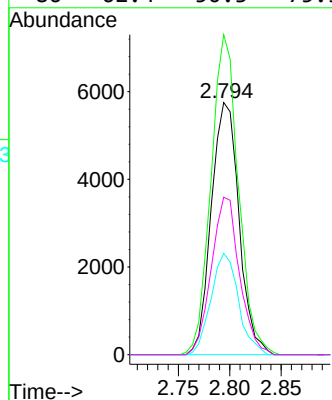


#20
Methylene Chloride
Concen: 6.374 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Instrument :
MSVOA_X
ClientSampled :

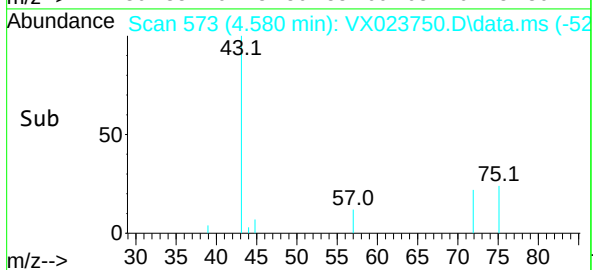
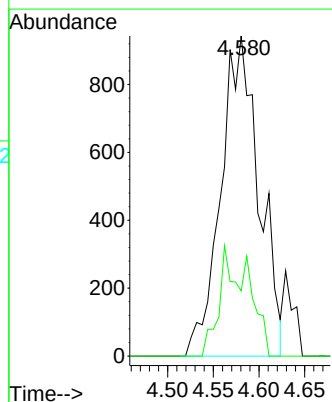
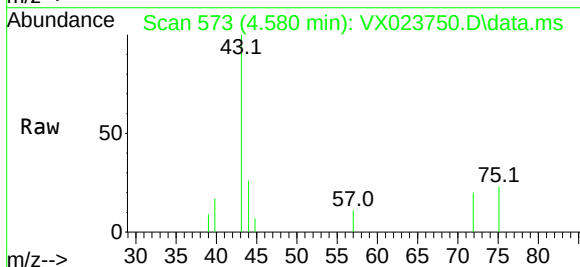


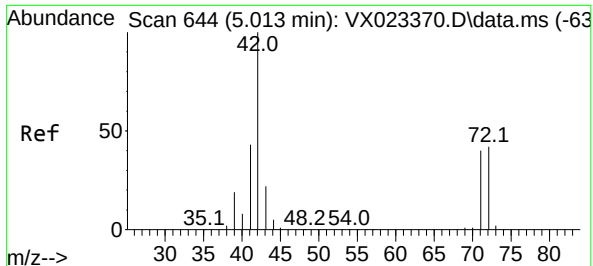
Tgt Ion:	84	Resp:	10790
Ion	Ratio	Lower	Upper
84	100		
49	126.9	88.6	132.8
51	40.2	27.0	40.6
86	62.4	50.3	75.5



#25
2-Butanone
Concen: 2.021 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion:	43	Resp:	2731
Ion	Ratio	Lower	Upper
43	100		
72	20.4	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.006 ug/l

RT: 5.038 min Scan# 648

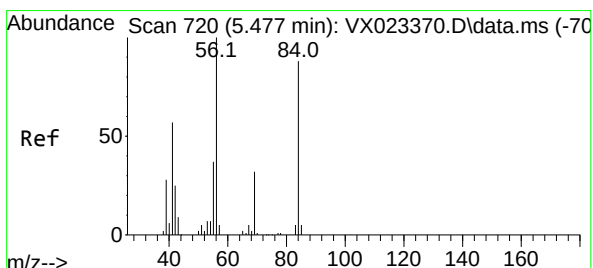
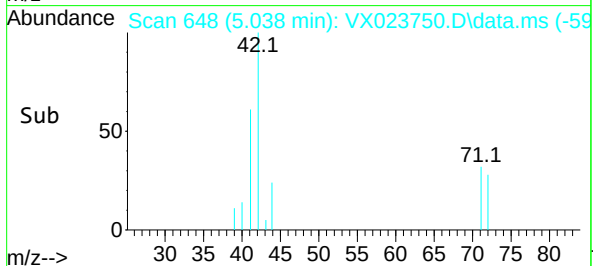
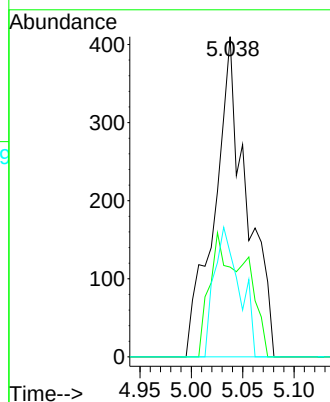
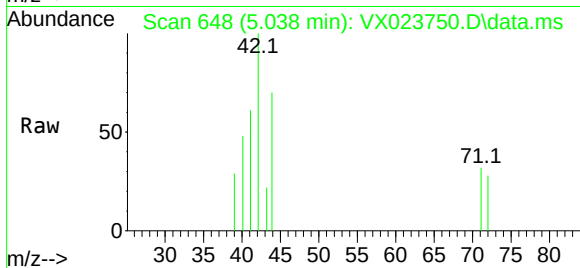
Delta R.T. 0.025 min

Lab File: VX023750.D

Acq: 16 Aug 2021 19:56

Tgt Ion:	42	Resp:	891
Ion	Ratio	Lower	Upper
42	100		
72	27.6	41.7	62.5#
71	31.8	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.307 ug/l

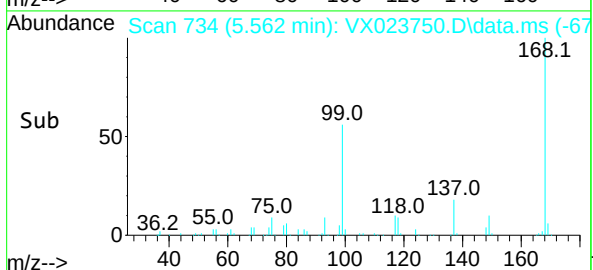
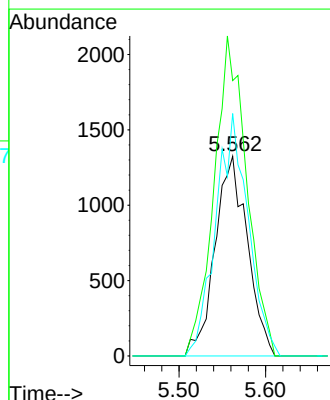
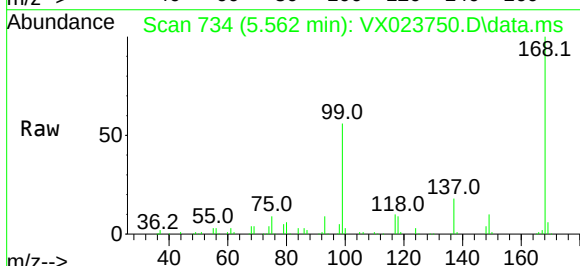
RT: 5.562 min Scan# 734

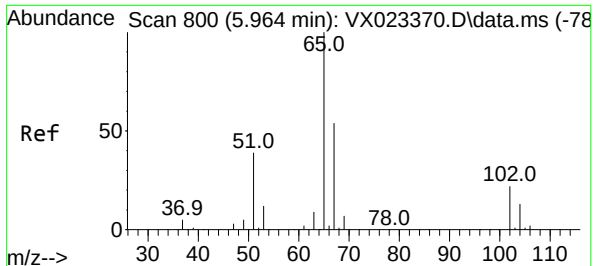
Delta R.T. 0.085 min

Lab File: VX023750.D

Acq: 16 Aug 2021 19:56

Tgt Ion:	56	Resp:	3436
Ion	Ratio	Lower	Upper
56	100		
69	137.9	25.3	37.9#
84	121.4	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 57.192 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023750.D

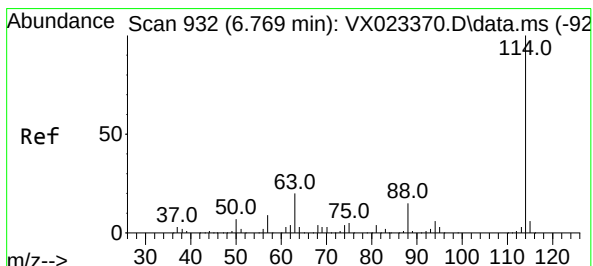
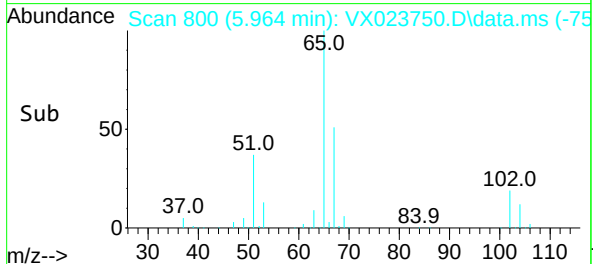
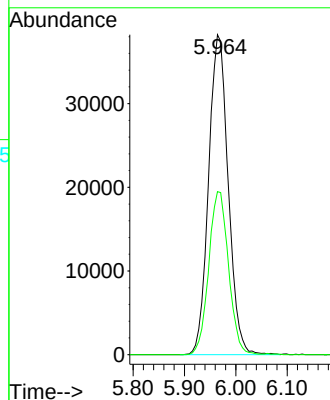
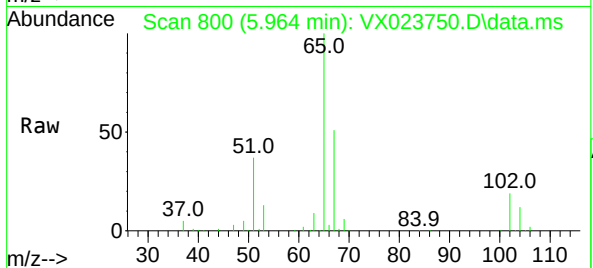
Acq: 16 Aug 2021 19:56

Tgt Ion: 65 Resp: 101461

Ion Ratio Lower Upper

65 100

67 51.4 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: VX023750.D

Acq: 16 Aug 2021 19:56

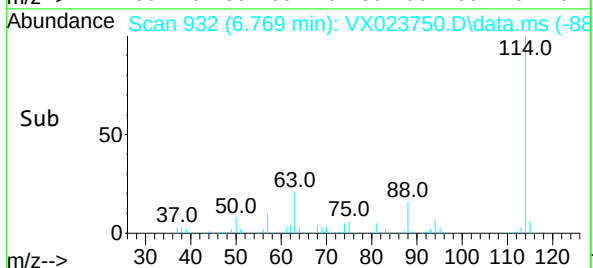
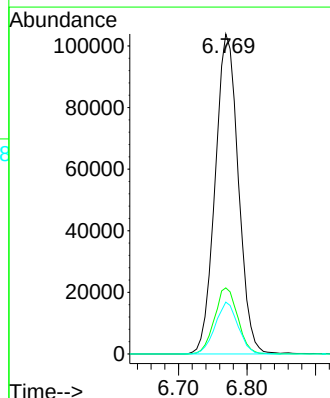
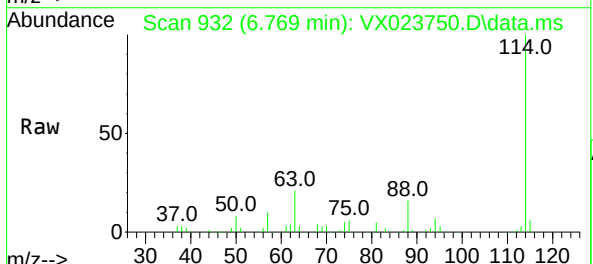
Tgt Ion: 114 Resp: 243531

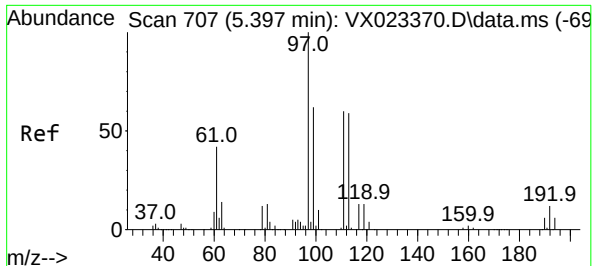
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.283 ug/l

RT: 5.397 min Scan# 707

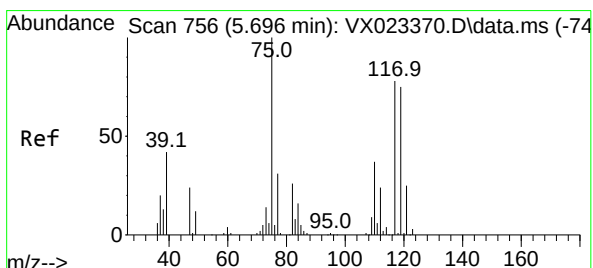
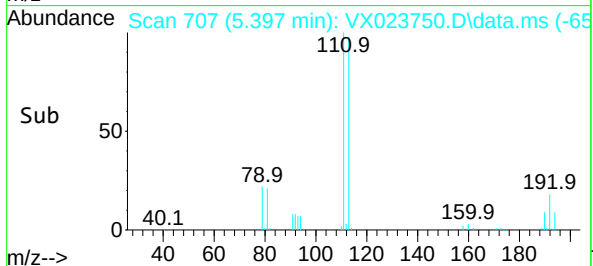
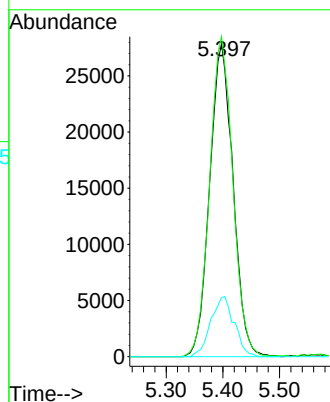
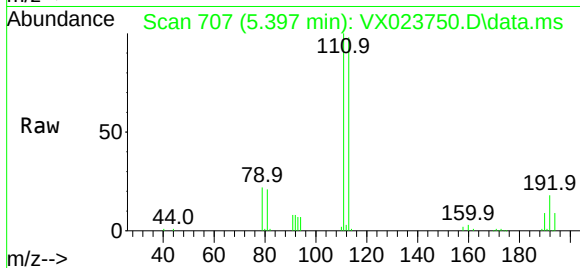
Delta R.T. 0.000 min

Lab File: VX023750.D

Acq: 16 Aug 2021 19:56

Tgt Ion:	113	Resp:	79610
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	19.3	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.067 ug/l

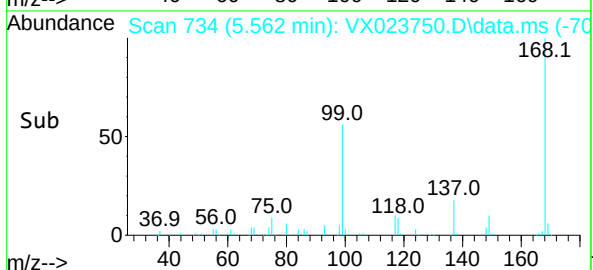
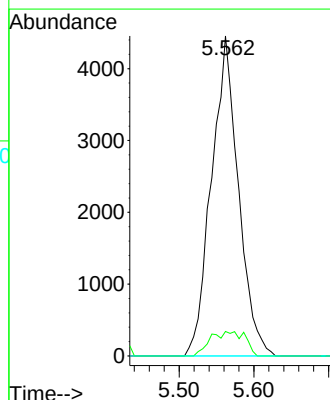
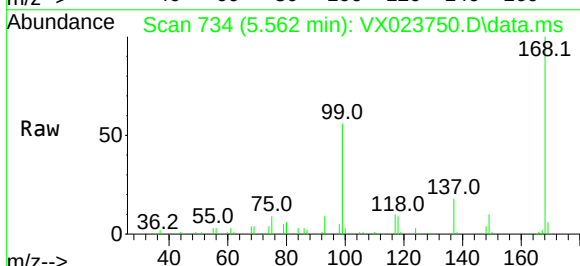
RT: 5.562 min Scan# 734

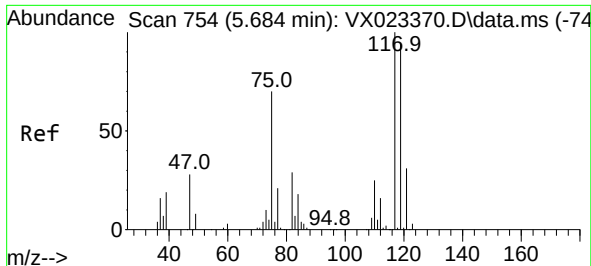
Delta R.T. -0.134 min

Lab File: VX023750.D

Acq: 16 Aug 2021 19:56

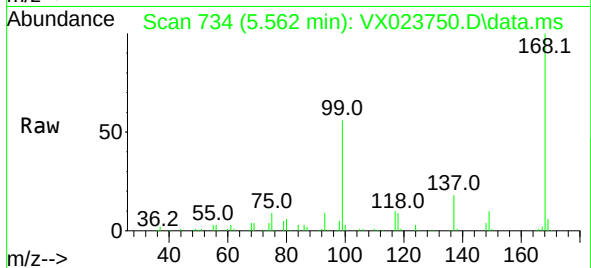
Tgt Ion:	75	Resp:	11162
Ion	Ratio	Lower	Upper
75	100		
110	6.0	18.1	54.4#
77	0.0	25.3	37.9#



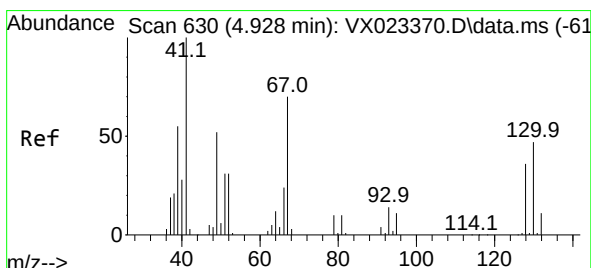
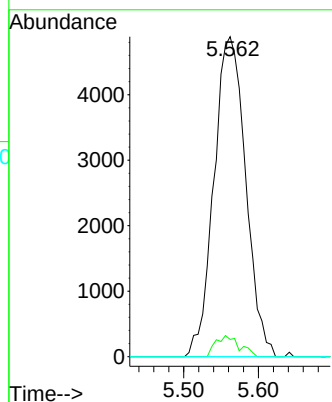
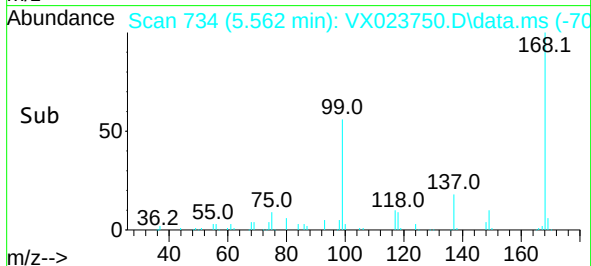


#38
Carbon Tetrachloride
Concen: 6.442 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

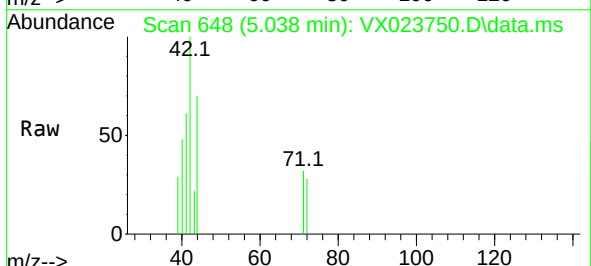
Instrument :
MSVOA_X
ClientSampled :



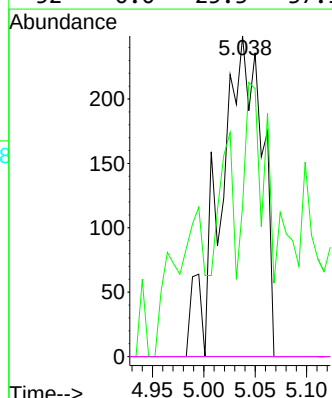
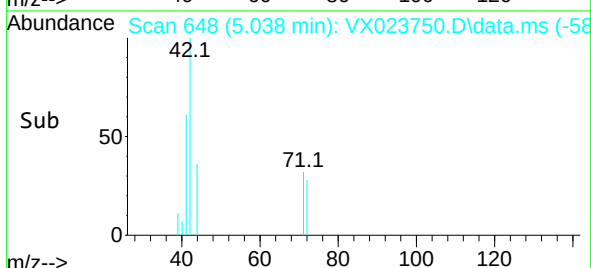
Tgt Ion:117 Resp: 14432
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.8 37.2#

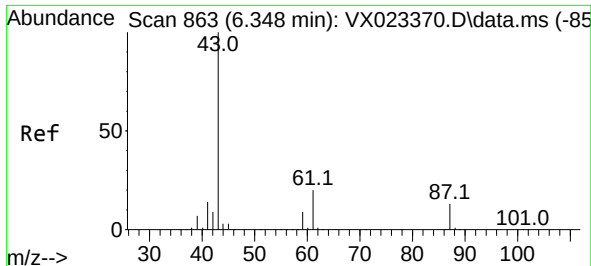


#41
Methacrylonitrile
Concen: 0.478 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56



Tgt Ion: 41 Resp: 701
Ion Ratio Lower Upper
41 100
39 35.8 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

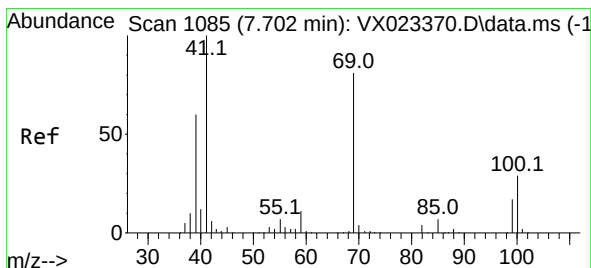
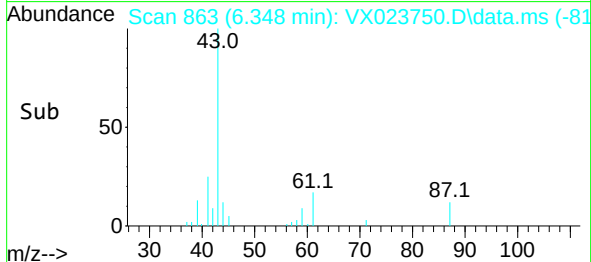
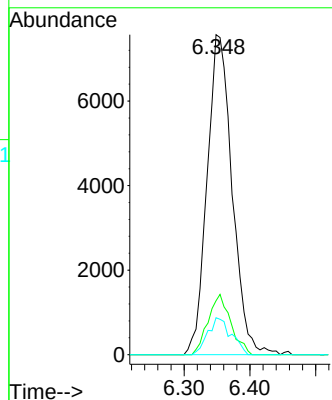
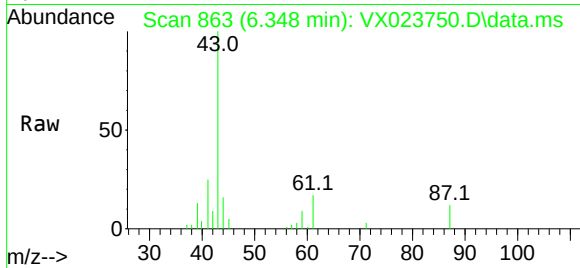




#43
Isopropyl Acetate
Concen: 4.673 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

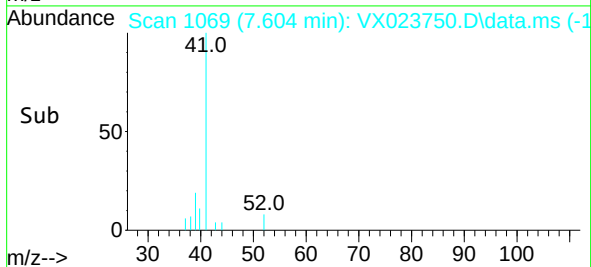
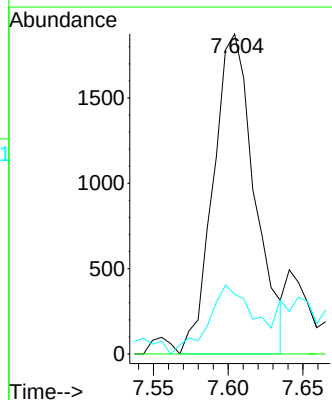
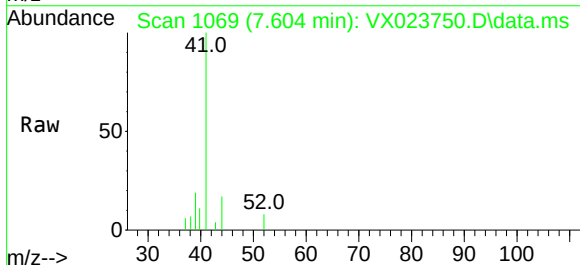
Instrument :
MSVOA_X
ClientSampleId :

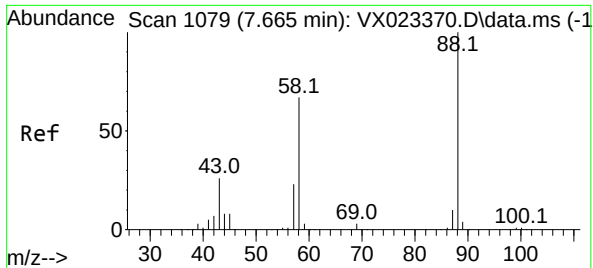
Tgt Ion:	43	Resp:	20112
Ion	Ratio	Lower	Upper
43	100		
61	17.0	18.2	27.4#
87	10.7	12.5	18.7#



#48
Methyl methacrylate
Concen: 1.809 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion:	41	Resp:	3607
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	23.8	44.6	67.0#

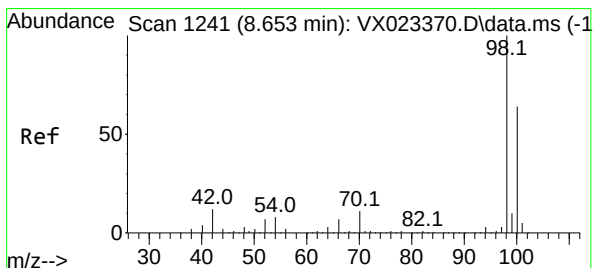
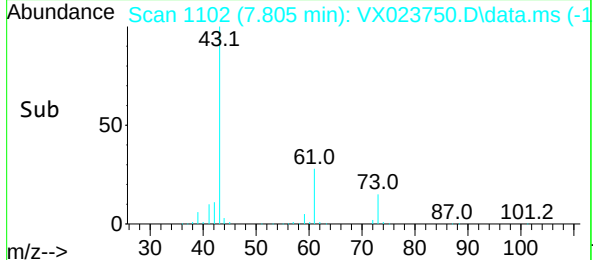
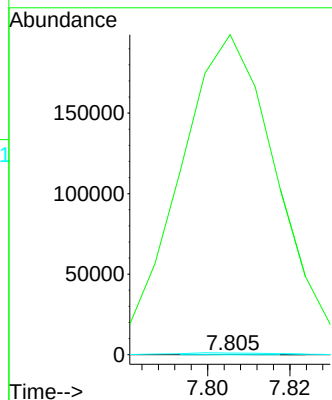
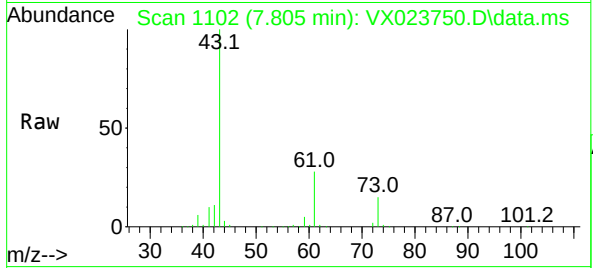




#49
1,4-Dioxane
Concen: 0.518 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

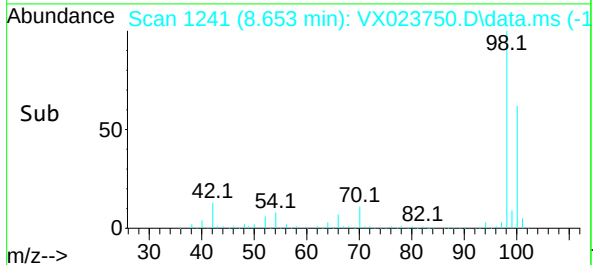
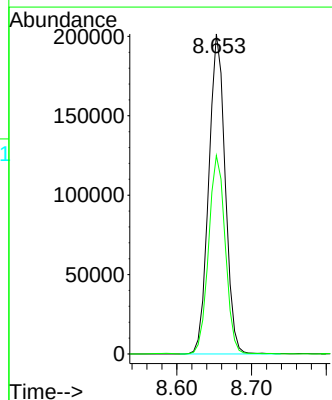
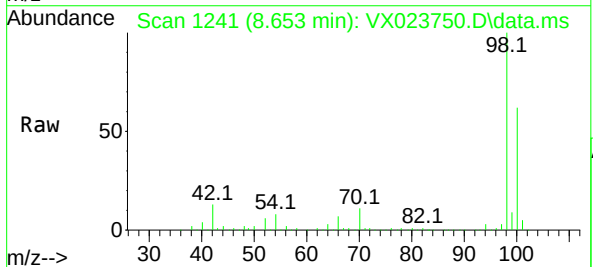
Instrument :
MSVOA_X
ClientSampled :

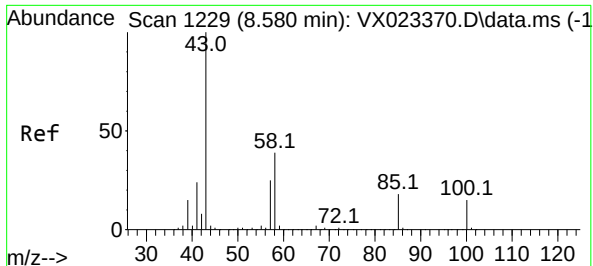
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1530113.6 23.2 34.8#
58 8836.4 55.0 82.4#



#50
Toluene-d8
Concen: 54.965 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion: 98 Resp: 307489
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9

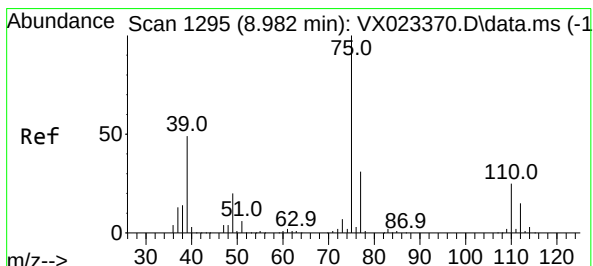
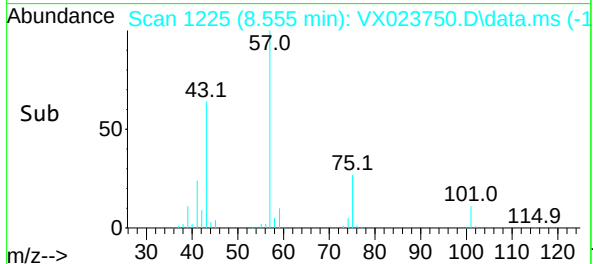
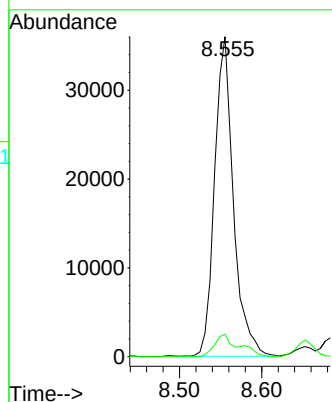
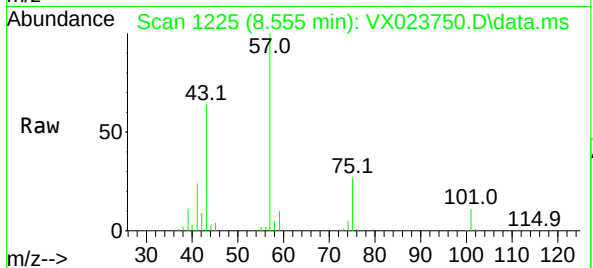




#51
4-Methyl-2-Pentanone
Concen: 21.641 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

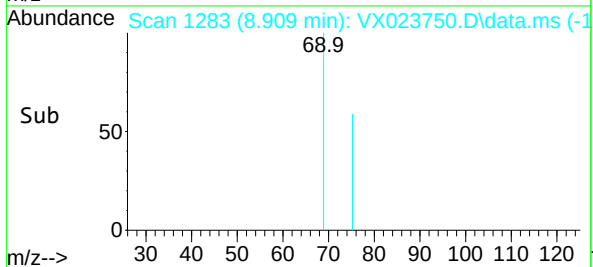
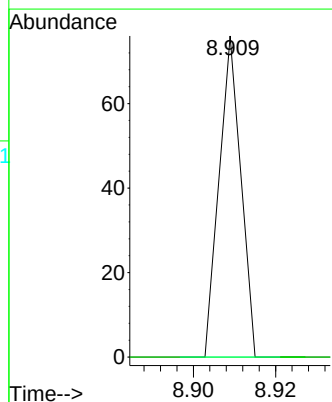
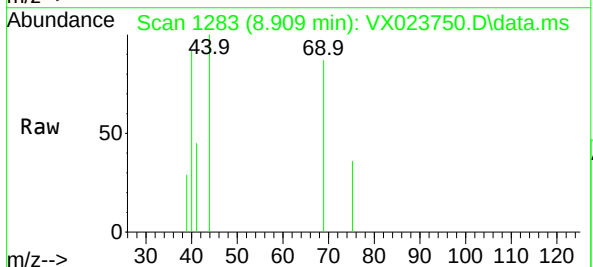
Instrument :
MSVOA_X
ClientSampled :

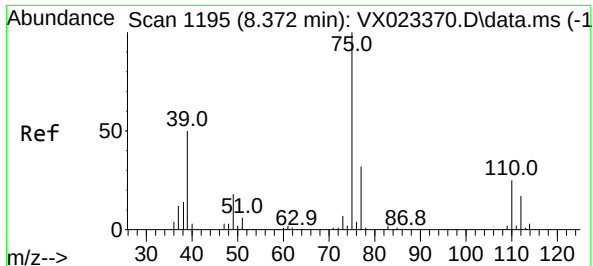
Tgt Ion: 43 Resp: 56973
Ion Ratio Lower Upper
43 100
58 8.9 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.827 ug/l
RT: 8.909 min Scan# 1283
Delta R.T. -0.073 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

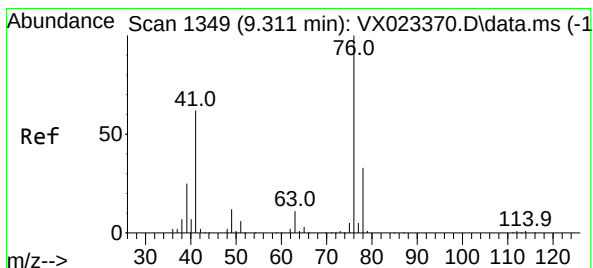
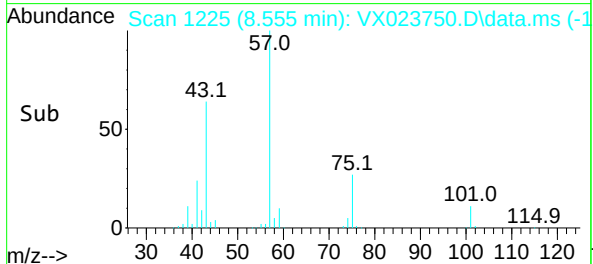
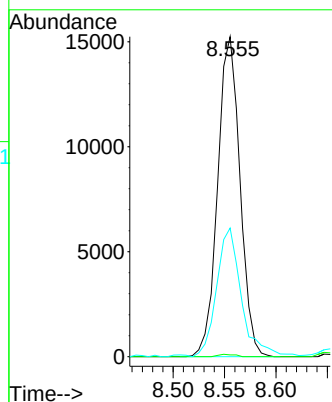
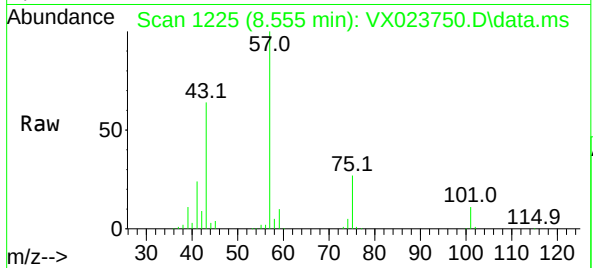




#54
 cis-1,3-Dichloropropene
 Concen: 8.727 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023750.D
 Acq: 16 Aug 2021 19:56

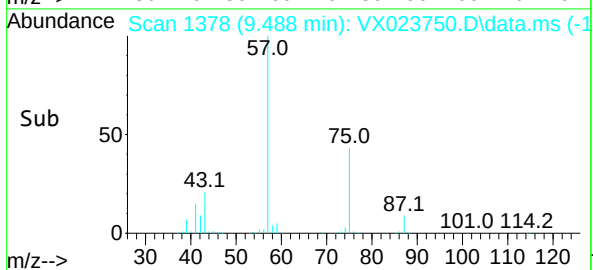
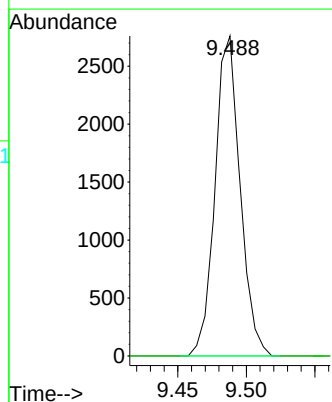
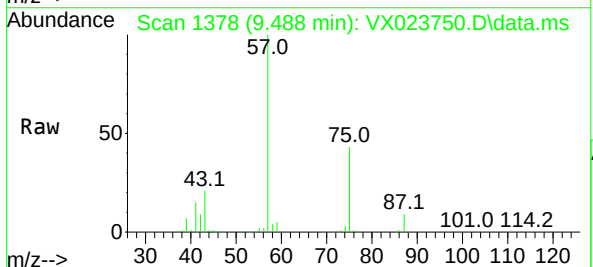
Instrument :
 MSVOA_X
 ClientSampled :

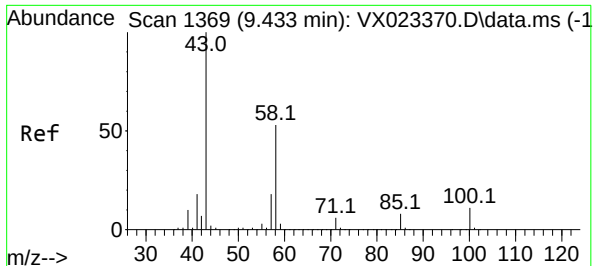
Tgt Ion: 75 Resp: 22978
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 39.6 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 1.261 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023750.D
 Acq: 16 Aug 2021 19:56

Tgt Ion: 76 Resp: 3512
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

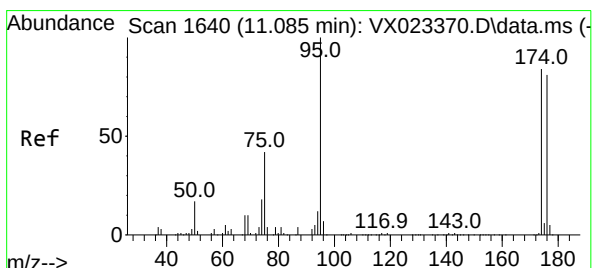
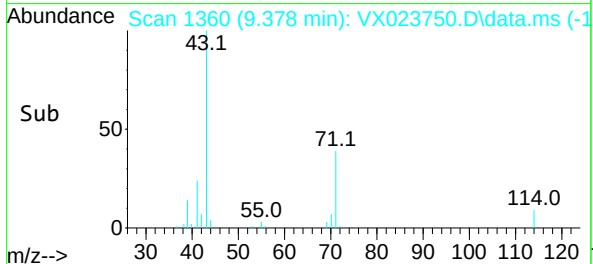
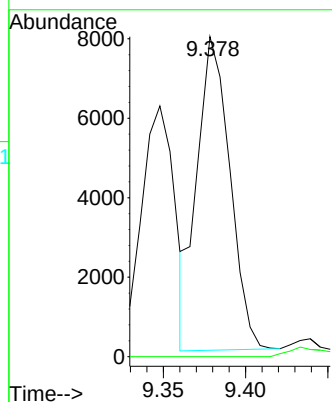
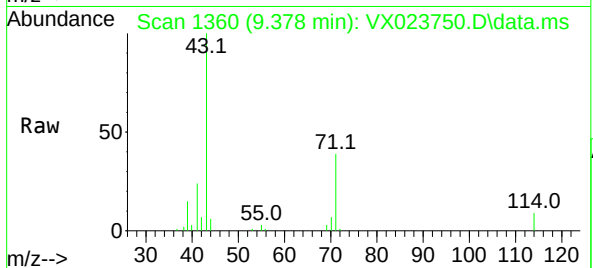




#59
2-Hexanone
Concen: 5.454 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

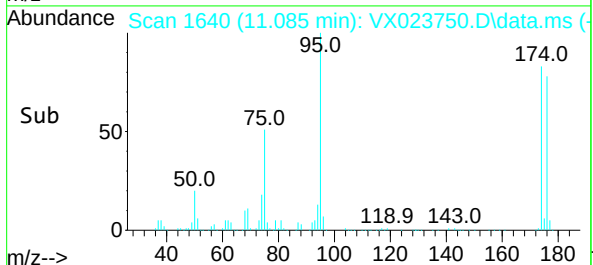
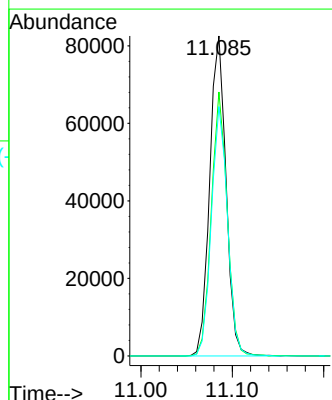
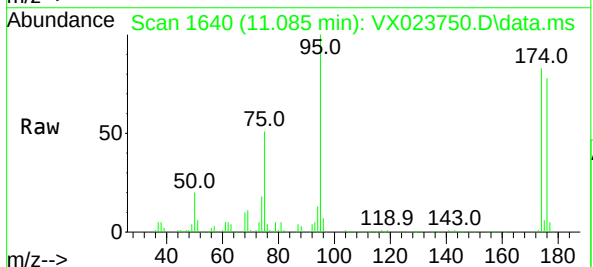
Instrument :
MSVOA_X
ClientSampled :

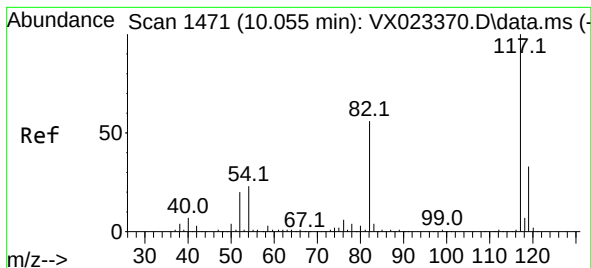
Tgt Ion: 43 Resp: 10903
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 53.714 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion: 95 Resp: 102179
Ion Ratio Lower Upper
95 100
174 80.5 0.0 154.6
176 76.9 0.0 155.8

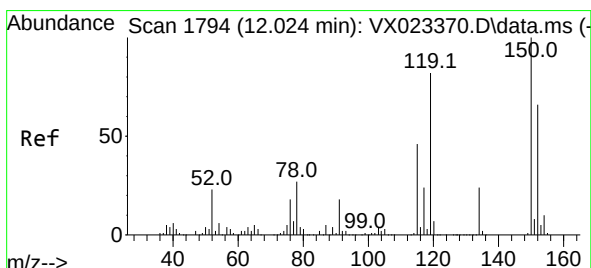
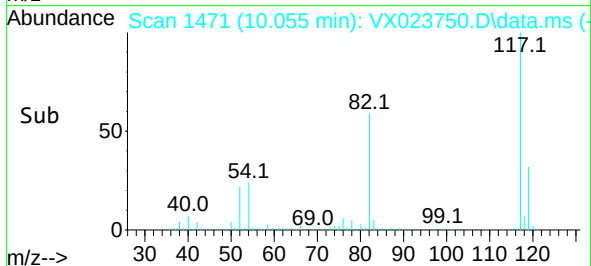
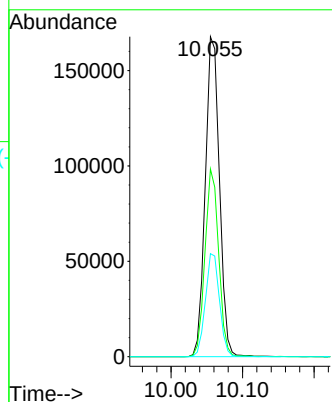
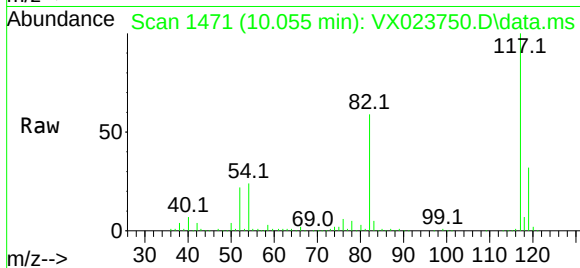




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

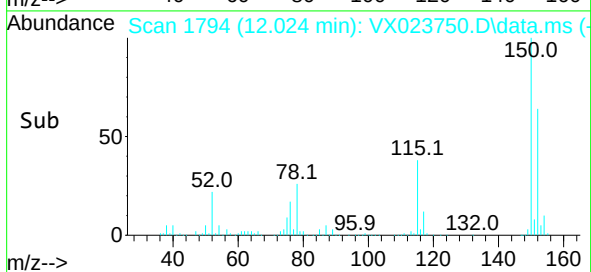
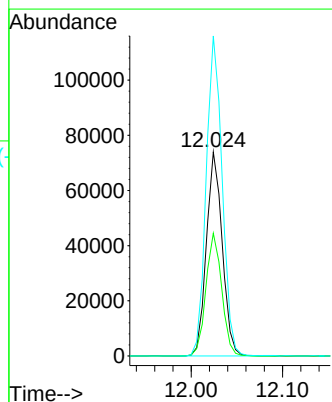
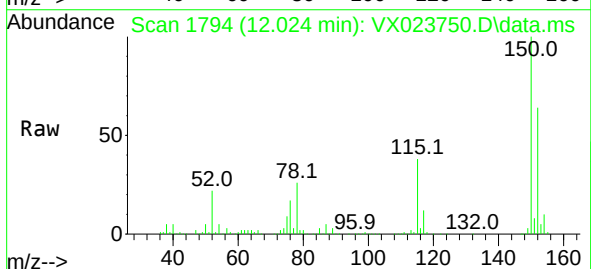
Instrument :
MSVOA_X
ClientSampleId :

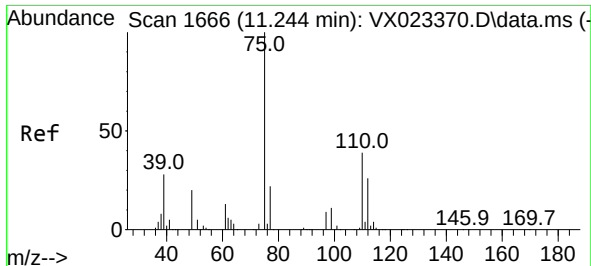
Tgt Ion:117 Resp: 231414
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion:152 Resp: 89144
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 157.7 0.0 349.0

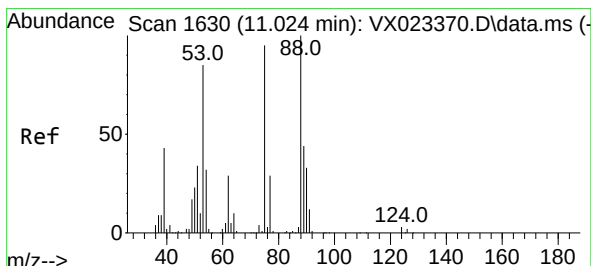
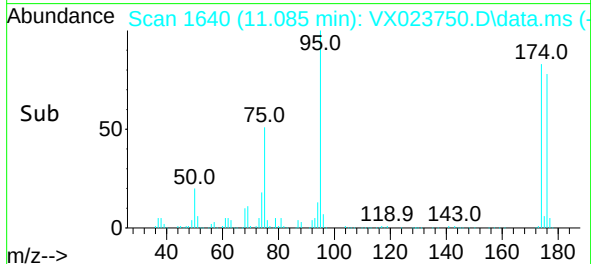
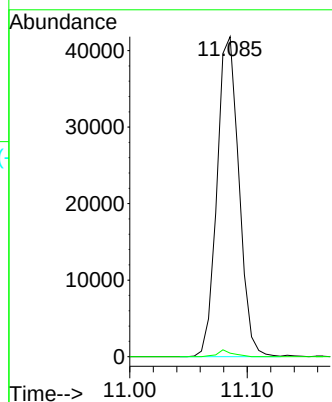
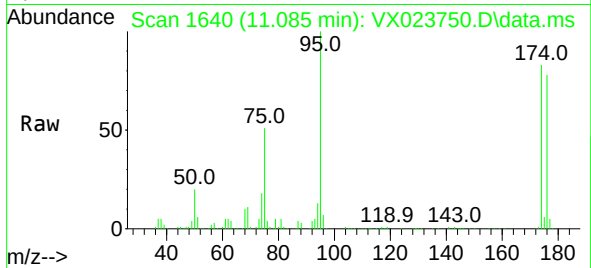




#76
1,2,3-Trichloropropane
Concen: 27.677 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 54293
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.420 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023750.D
Acq: 16 Aug 2021 19:56

Tgt Ion: 75 Resp: 54293
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

