

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081621\
 Data File : VX023737.D
 Acq On : 16 Aug 2021 14:50
 Operator : JC/MD
 Sample : M3398-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 17 06:16:52 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)

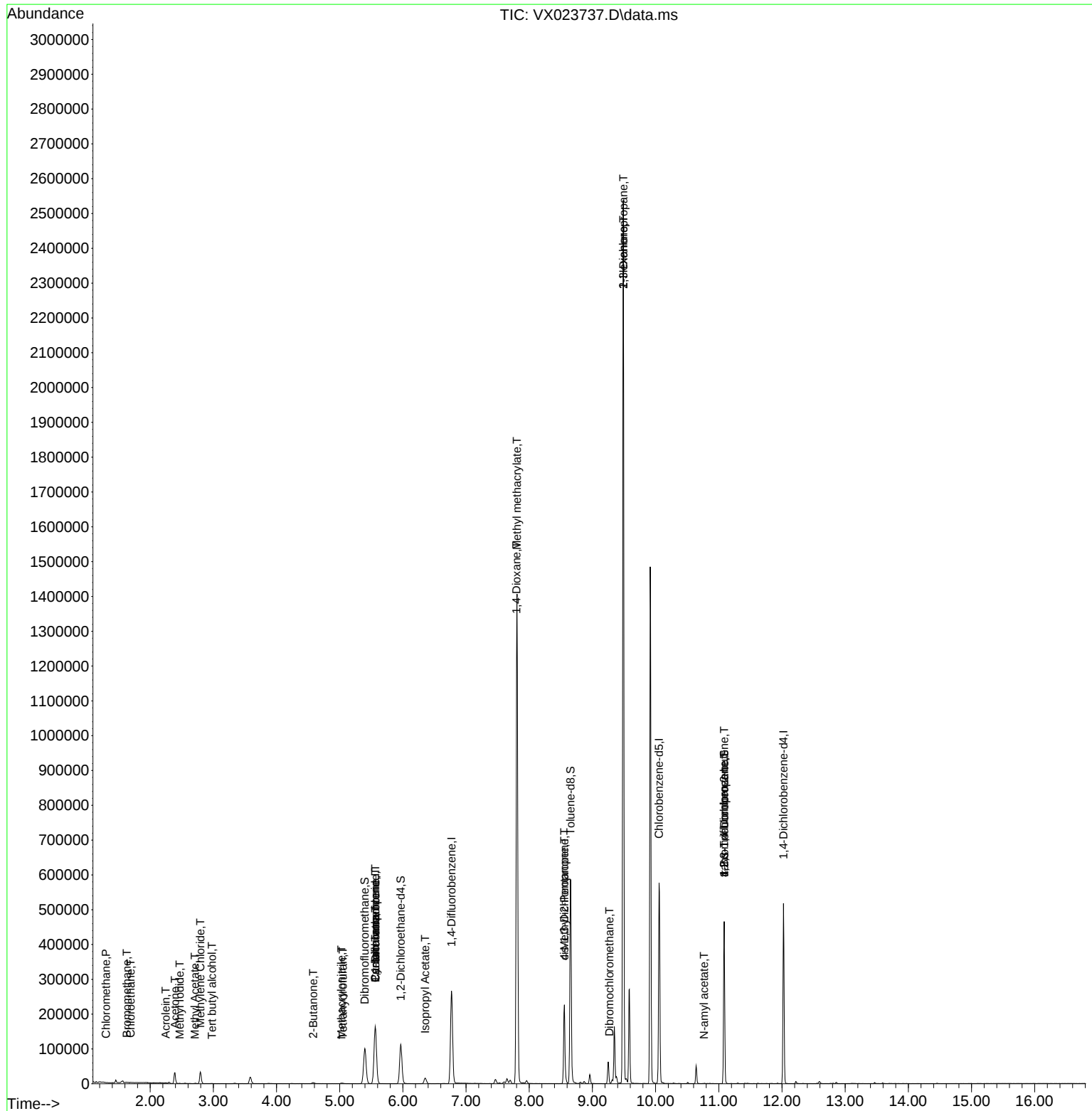
Internal Standards						
1) Pentafluorobenzene	5.562	168	153931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	265293	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109694	57.128	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.260%			
35) Dibromofluoromethane	5.397	113	84657	51.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	8.653	98	337615	55.399	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.800%			
62) 4-Bromofluorobenzene	11.085	95	115724	55.844	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.680%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	383	0.232	ug/l #	75
5) Bromomethane	1.630	94	644	0.650	ug/l	80
6) Chloroethane	1.691	64	653	0.637	ug/l #	43
10) Methyl Iodide	2.465	142	876	0.459	ug/l #	81
11) Tert butyl alcohol	2.977	59	713	1.625	ug/l #	93
13) Acrolein	2.245	56	68	1.667	ug/l #	1
16) Acetone	2.392	43	34022	36.120	ug/l	89
18) Methyl Acetate	2.709	43	1637	0.731	ug/l #	84
20) Methylene Chloride	2.794	84	14645	7.993	ug/l	89
25) 2-Butanone	4.580	43	5736	3.923	ug/l #	87
29) Tetrahydrofuran	5.050	42	1697	1.770	ug/l #	75
31) Cyclohexane	5.562	56	3512	1.235	ug/l #	6
36) 1,1-Dichloropropene	5.562	75	12321	5.134	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15496	6.349	ug/l #	15
41) Methacrylonitrile	5.025	41	1117	0.699	ug/l #	43
43) Isopropyl Acetate	6.354	43	22211	4.737	ug/l	92
48) Methyl methacrylate	7.805	41	124822	57.482	ug/l #	38
49) 1,4-Dioxane	7.799	88	203	4.390	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	78678	27.434	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	33250	11.592	ug/l #	71
57) 1,3-Dichloropropane	9.488	76	20592	6.789	ug/l #	42
59) 2-Hexanone	9.488	43	305374	140.223	ug/l #	43
60) Dibromochloromethane	9.269	129	52	2.008	ug/l #	11
74) N-amyl acetate	10.768	43	1004	0.289	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	62299	28.013	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	62299	75.324	ug/l #	12

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

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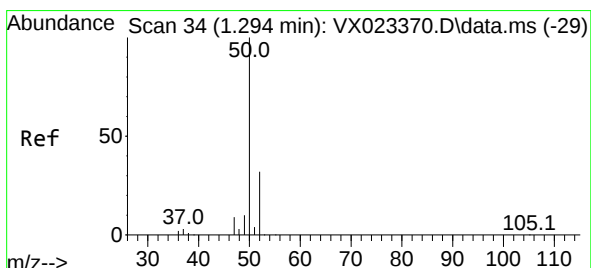
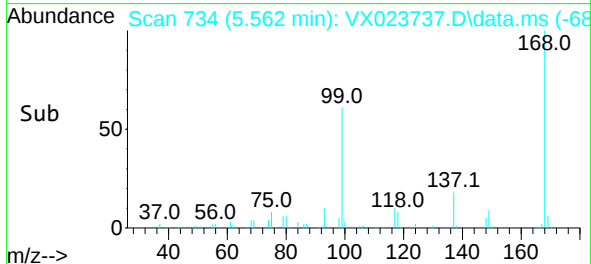
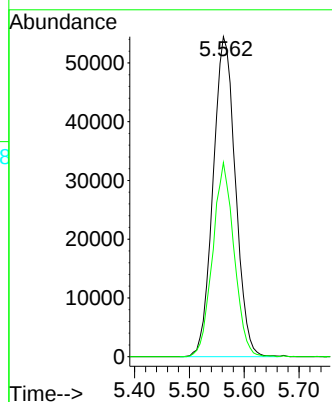
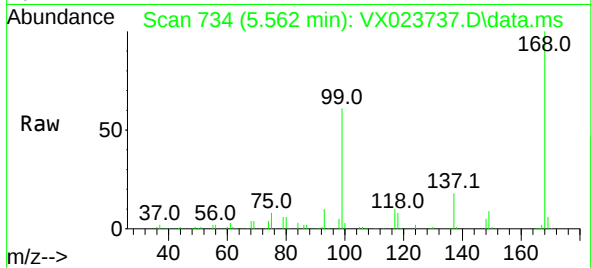




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

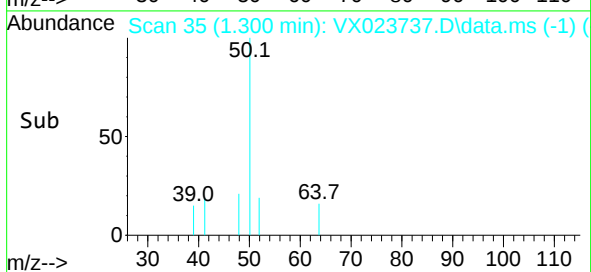
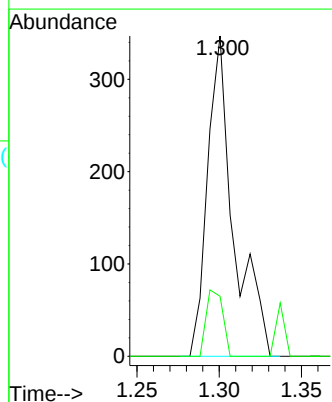
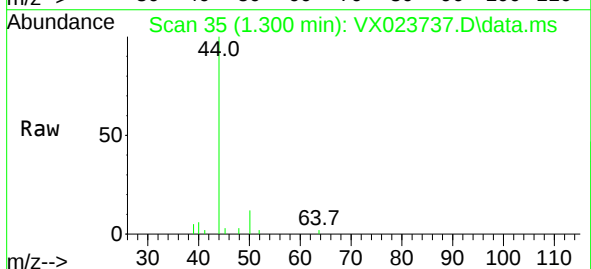
Instrument :
MSVOA_X
ClientSampleId :

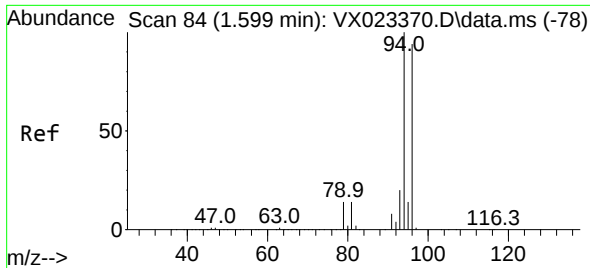
Tgt Ion:168 Resp: 153931
Ion Ratio Lower Upper
168 100
99 60.6 45.8 68.6



#3
Chloromethane
Concen: 0.232 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 50 Resp: 383
Ion Ratio Lower Upper
50 100
52 18.7 26.4 39.6#

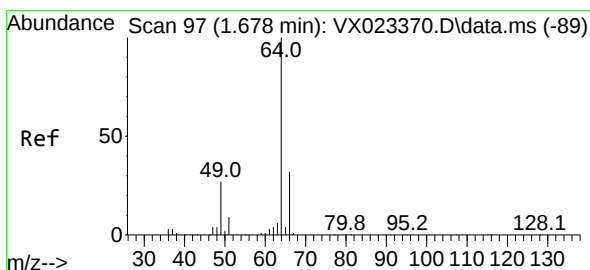
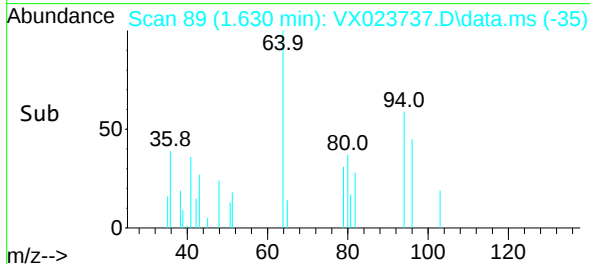
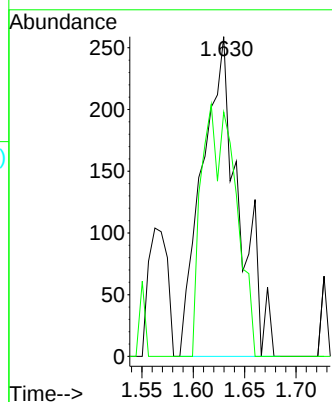
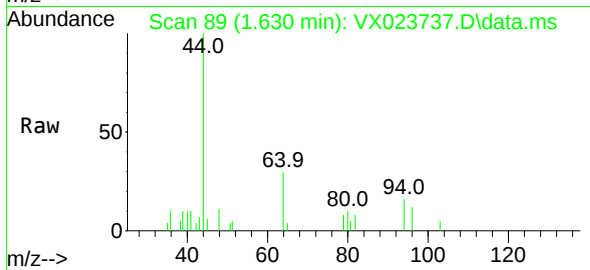




#5
Bromomethane
Concen: 0.650 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

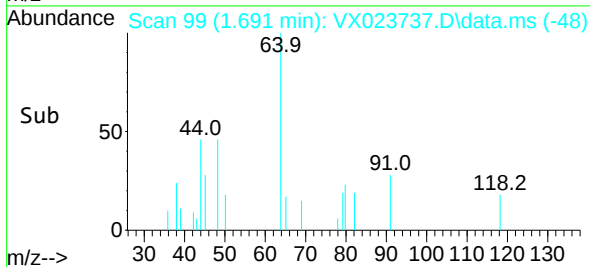
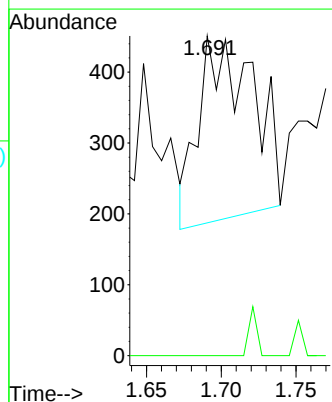
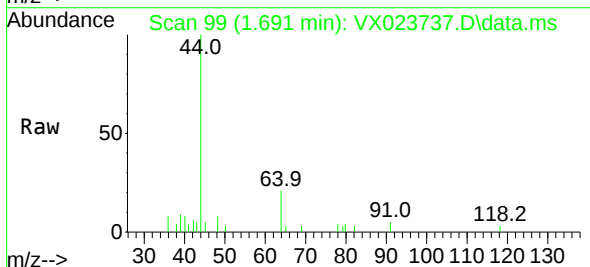
Instrument :
MSVOA_X
ClientSampled :

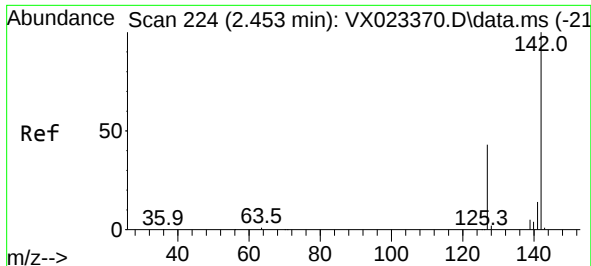
Tgt Ion: 94 Resp: 644
Ion Ratio Lower Upper
94 100
96 76.4 76.4 114.6



#6
Chloroethane
Concen: 0.637 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

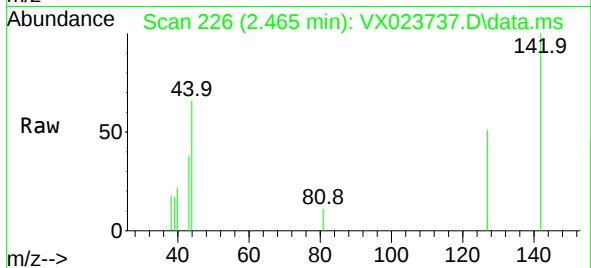
Tgt Ion: 64 Resp: 653
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



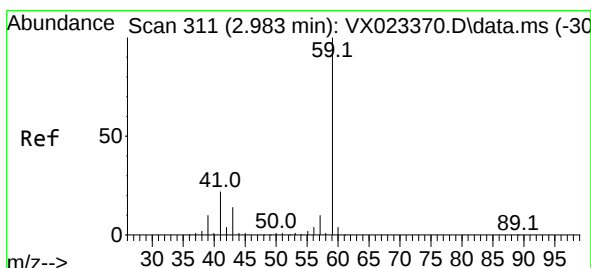
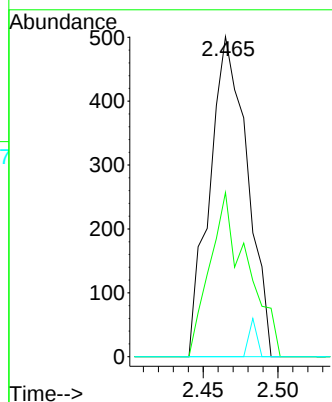
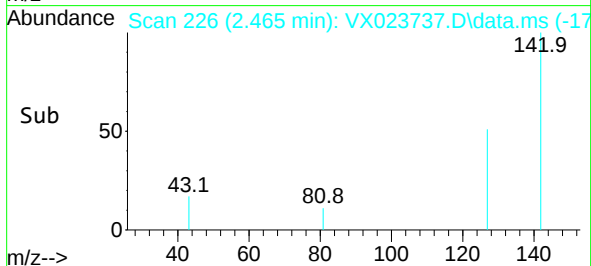


#10
Methyl Iodide
Concen: 0.459 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

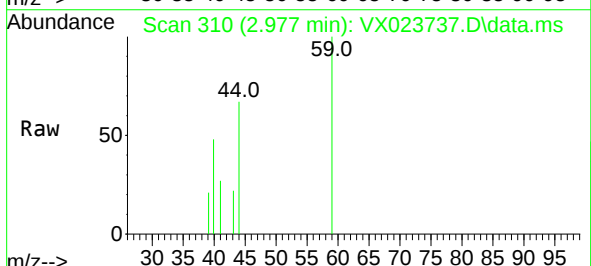
Instrument :
MSVOA_X
ClientSampleId :



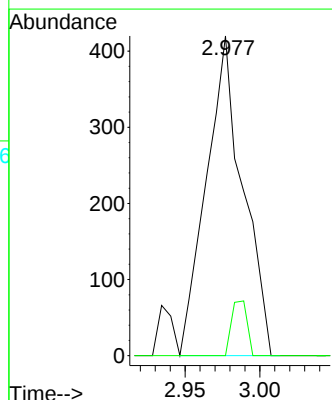
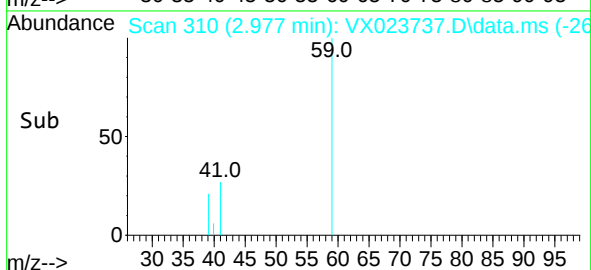
Tgt Ion:142 Resp: 876
Ion Ratio Lower Upper
142 100
127 51.5 33.3 49.9#
141 2.5 11.4 17.0#

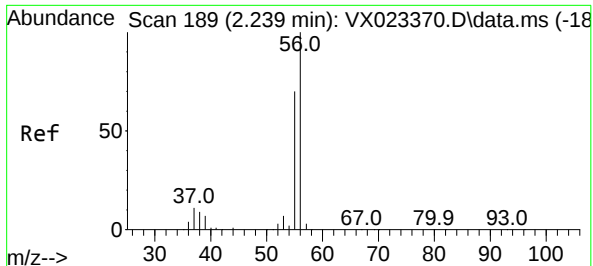


#11
Tert butyl alcohol
Concen: 1.625 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50



Tgt Ion: 59 Resp: 713
Ion Ratio Lower Upper
59 100
57 7.3 7.8 11.8#

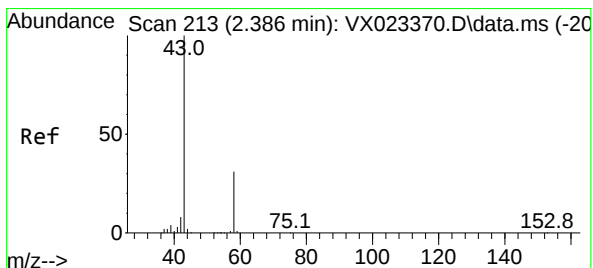
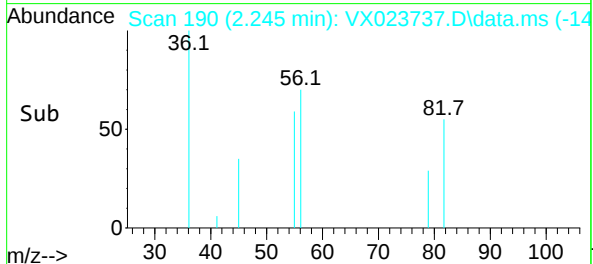
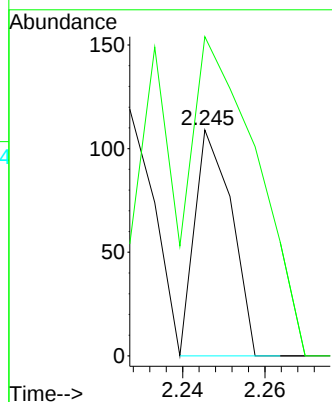
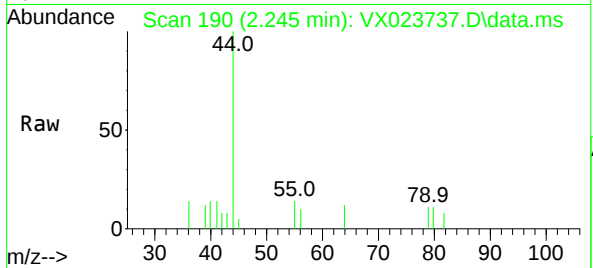




#13
Acrolein
Concen: 1.667 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

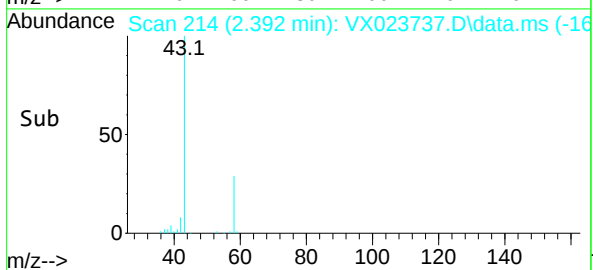
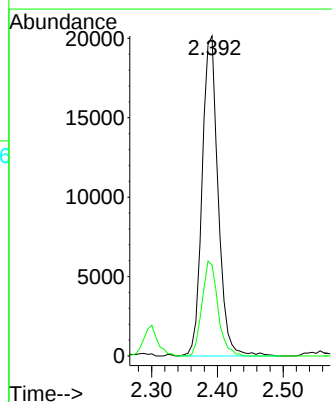
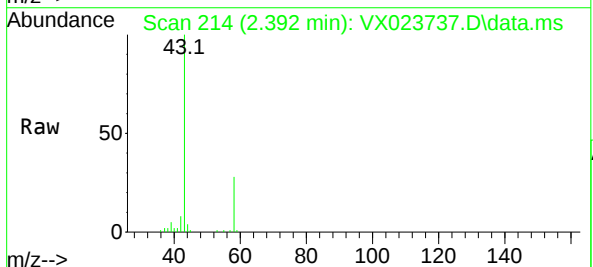
Instrument :
MSVOA_X
ClientSampled :

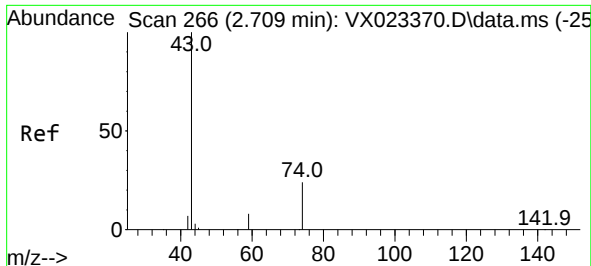
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 373.5 56.4 84.6#



#16
Acetone
Concen: 36.120 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 43 Resp: 34022
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8

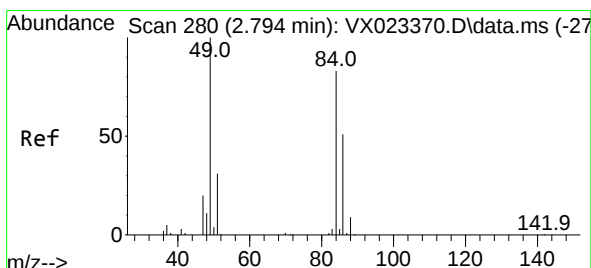
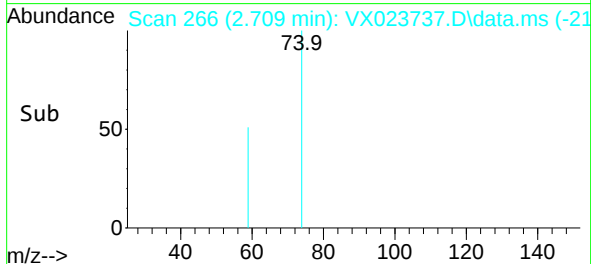
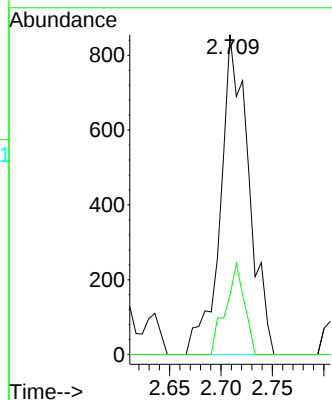
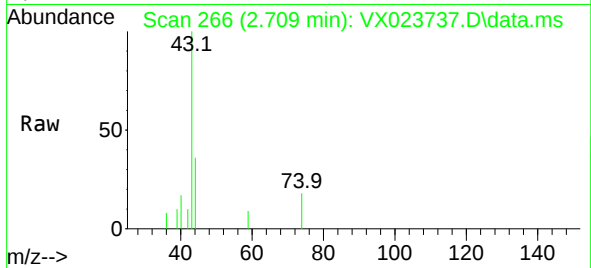




#18
Methyl Acetate
Concen: 0.731 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

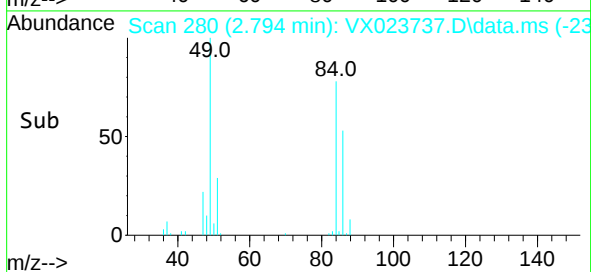
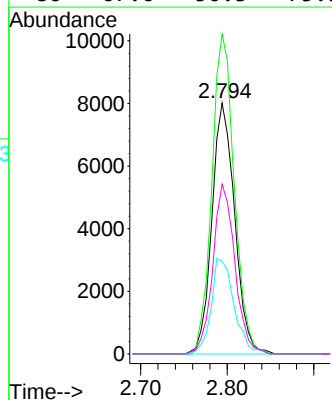
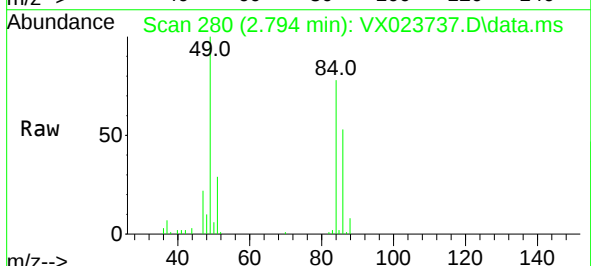
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MSVOA_X
ClientSampleId :

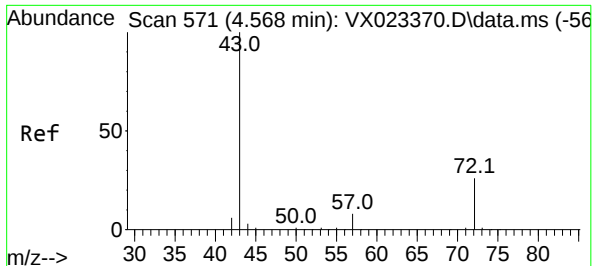
Tgt Ion: 43 Resp: 1637
Ion Ratio Lower Upper
43 100
74 18.8 21.9 32.9#



#20
Methylene Chloride
Concen: 7.993 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 84 Resp: 14645
Ion Ratio Lower Upper
84 100
49 127.5 88.6 132.8
51 36.9 27.0 40.6
86 67.6 50.3 75.5





#25

2-Butanone

Concen: 3.923 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023737.D

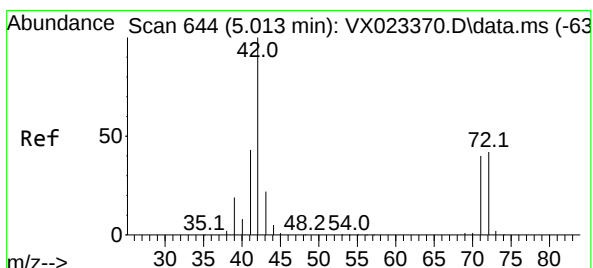
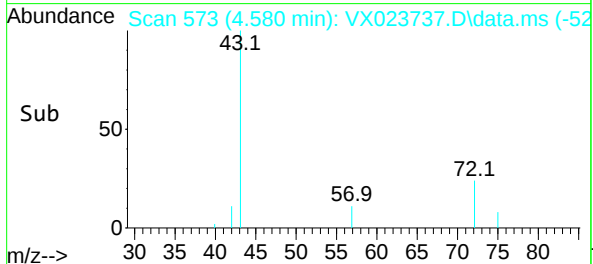
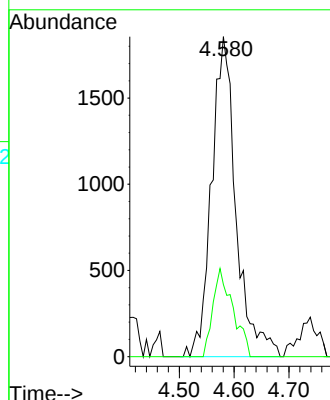
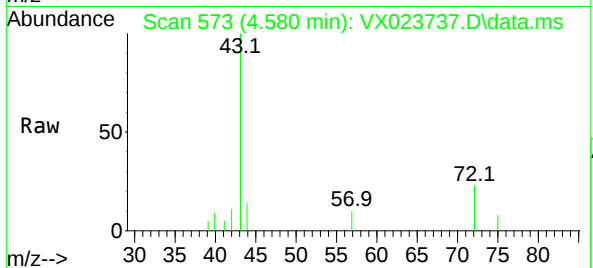
Acq: 16 Aug 2021 14:50

Tgt Ion: 43 Resp: 5736

Ion Ratio Lower Upper

43 100

72 22.5 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.770 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX023737.D

Acq: 16 Aug 2021 14:50

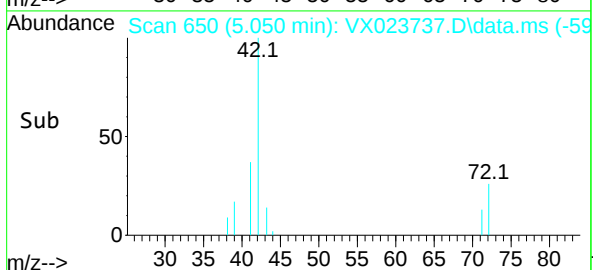
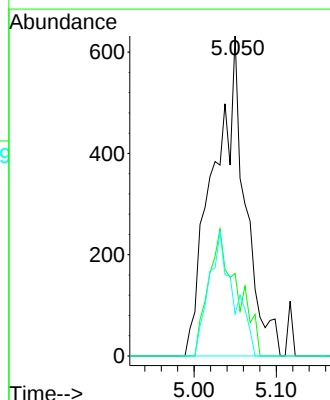
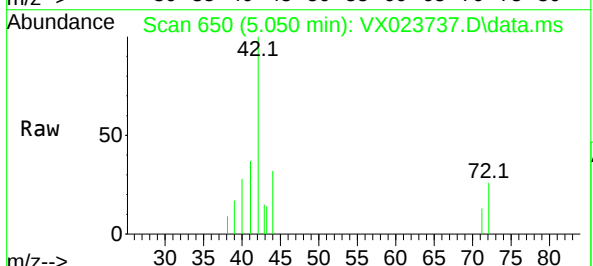
Tgt Ion: 42 Resp: 1697

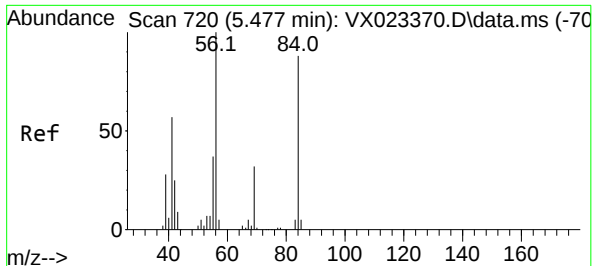
Ion Ratio Lower Upper

42 100

72 35.7 41.7 62.5#

71 30.4 38.4 57.6#

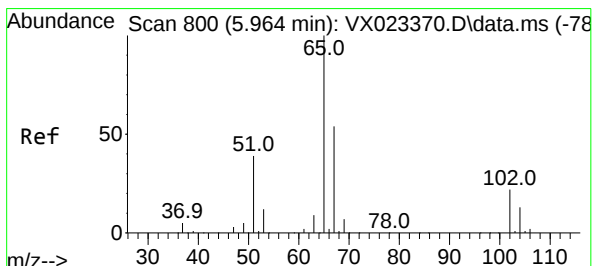
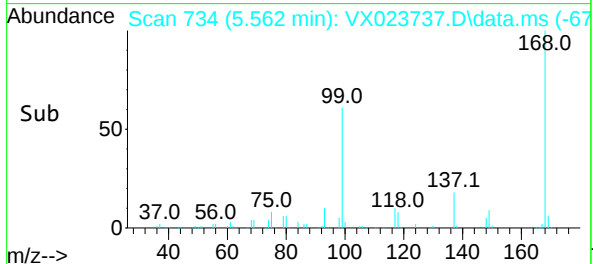
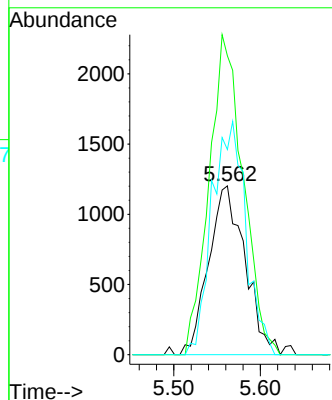
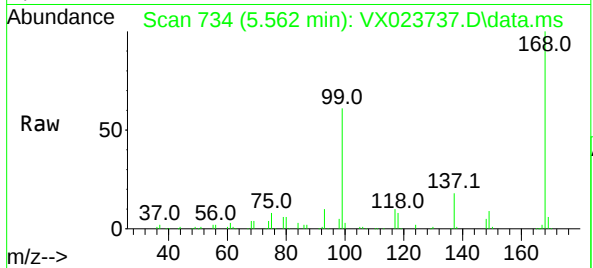




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

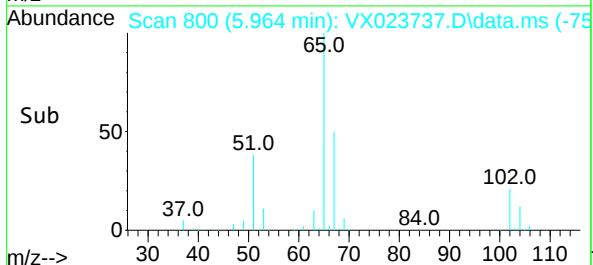
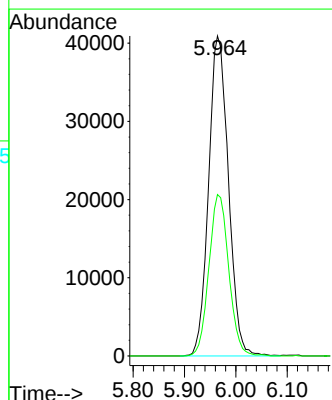
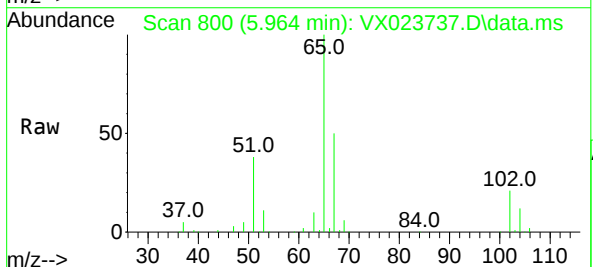
Instrument :
MSVOA_X
ClientSampleId :

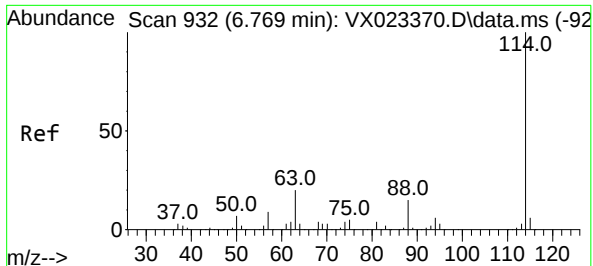
Tgt Ion: 56 Resp: 3512
Ion Ratio Lower Upper
56 100
69 177.1 25.3 37.9#
84 121.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 57.128 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 65 Resp: 109694
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.4

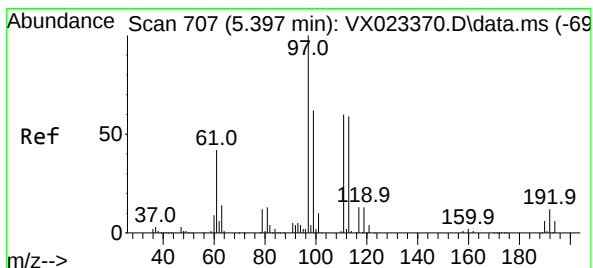
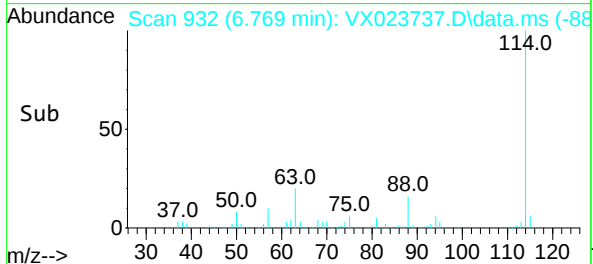
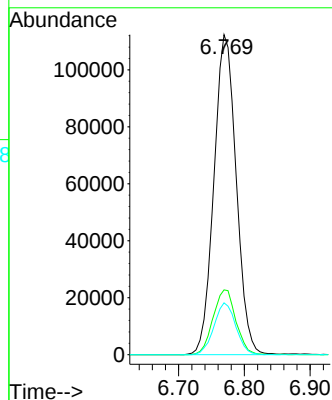
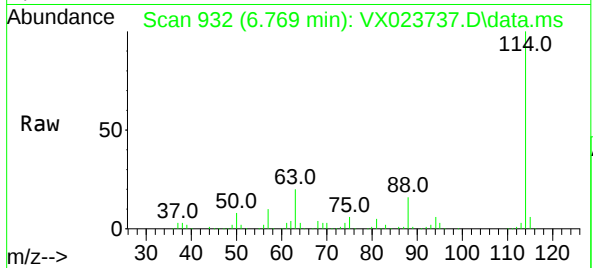




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

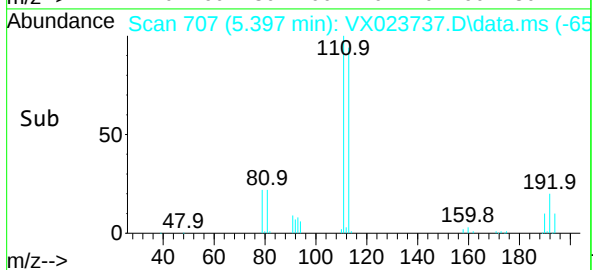
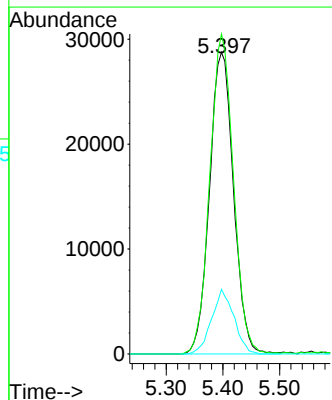
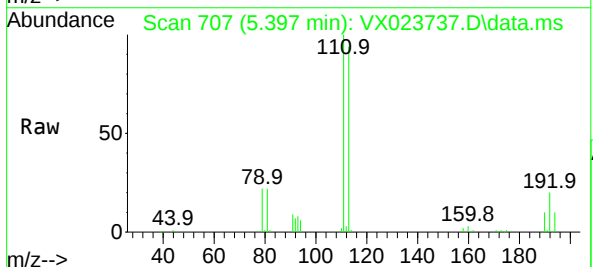
Instrument :
MSVOA_X
ClientSampleId :

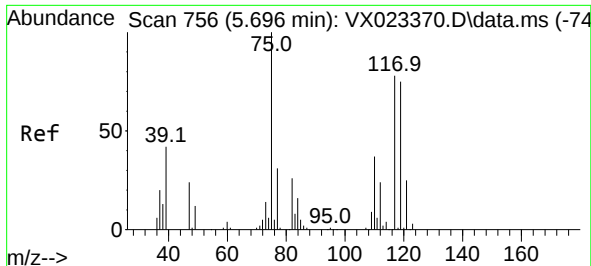
Tgt Ion:114 Resp: 265293
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.037 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion:113 Resp: 84657
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 19.9 16.7 25.1

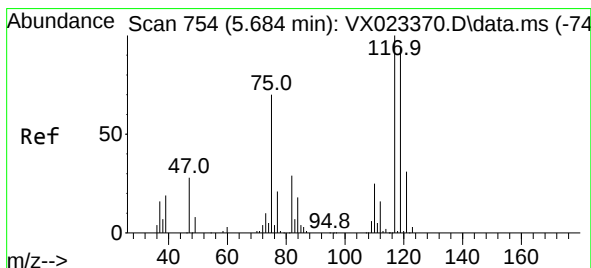
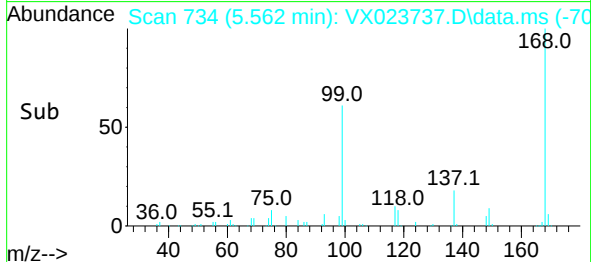
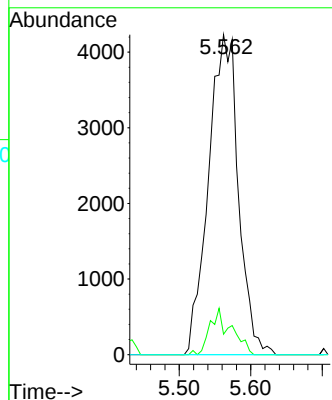
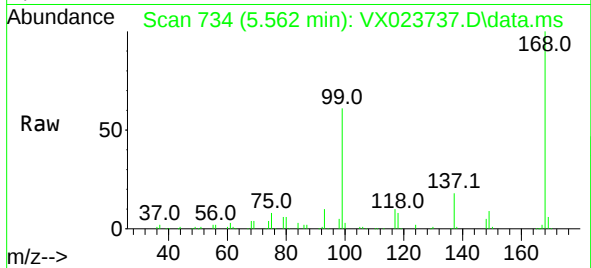




#36
1,1-Dichloropropene
Concen: 5.134 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

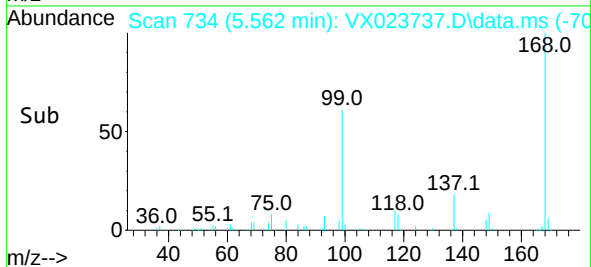
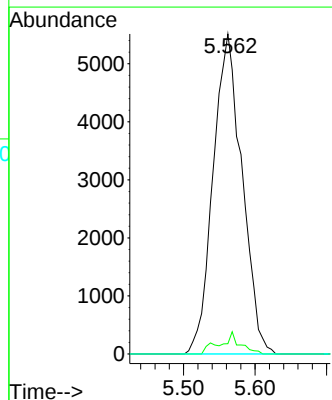
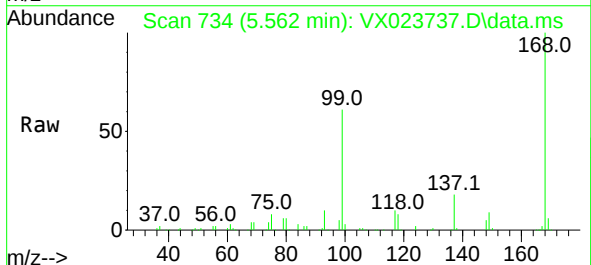
Instrument :
MSVOA_X
ClientSampleId :

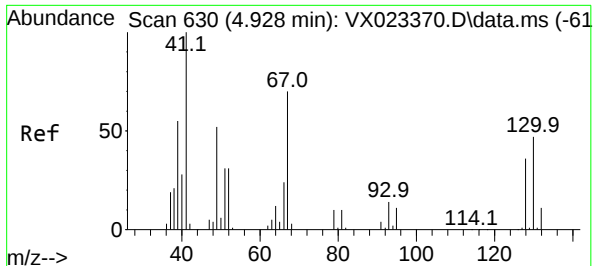
Tgt Ion: 75 Resp: 12321
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.349 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 117 Resp: 15496
Ion Ratio Lower Upper
117 100
119 3.2 76.2 114.2#
121 0.0 24.8 37.2#

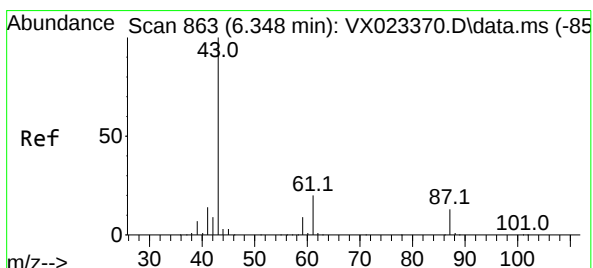
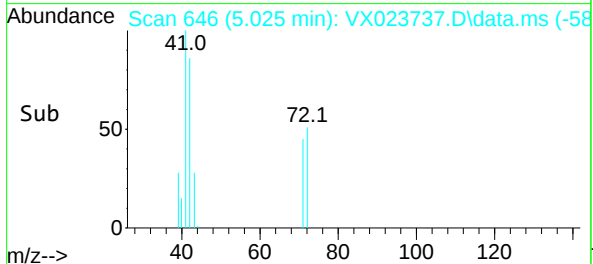
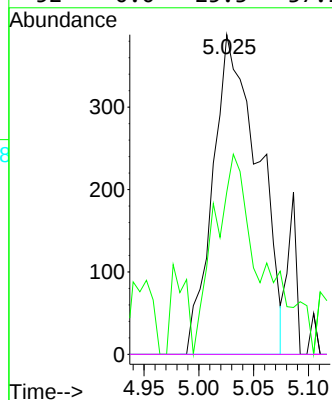
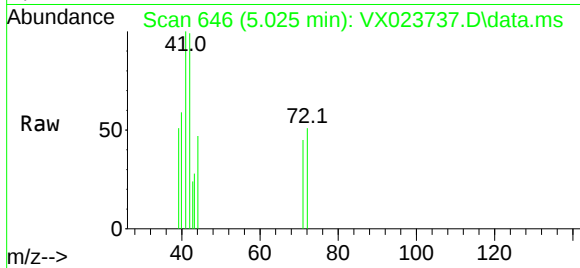




#41
Methacrylonitrile
Concen: 0.699 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

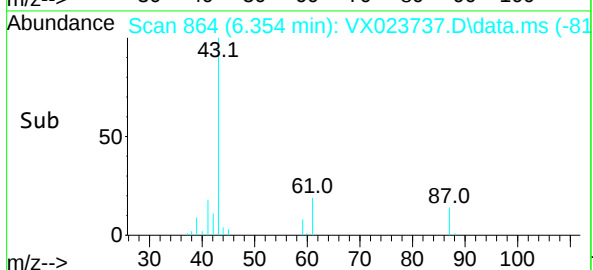
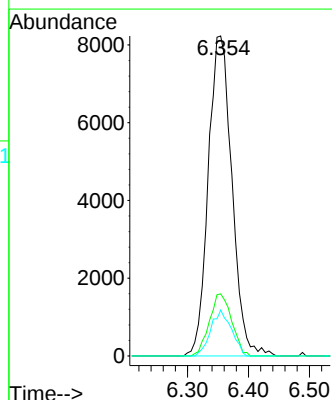
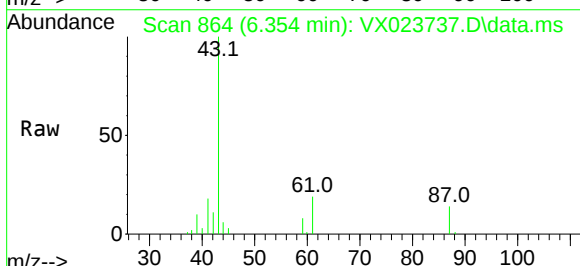
Instrument :
MSVOA_X
ClientSampleId :

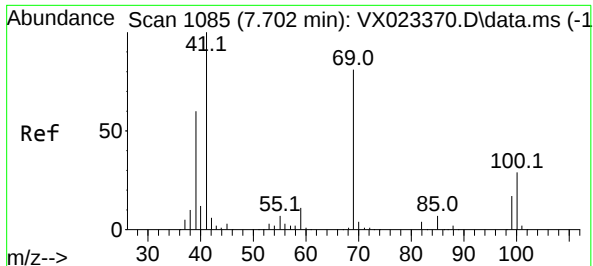
Tgt Ion:	41	Resp:	1117
Ion	Ratio	Lower	Upper
41	100		
39	49.1	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.737 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion:	43	Resp:	22211
Ion	Ratio	Lower	Upper
43	100		
61	18.3	18.2	27.4
87	12.5	12.5	18.7





#48

Methyl methacrylate

Concen: 57.482 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.103 min

Lab File: VX023737.D

Acq: 16 Aug 2021 14:50

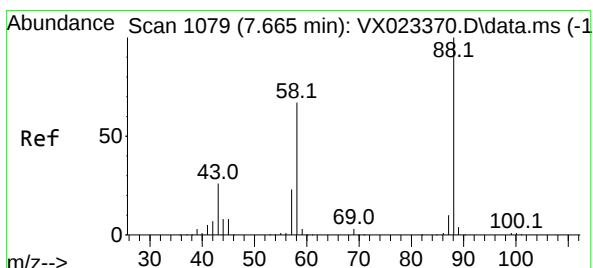
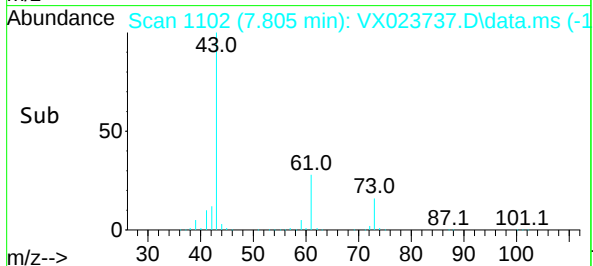
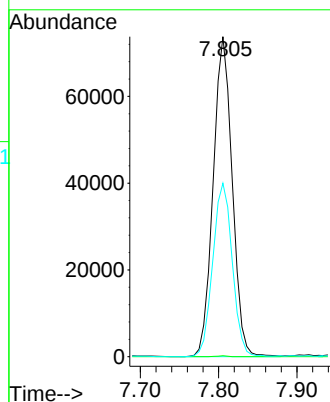
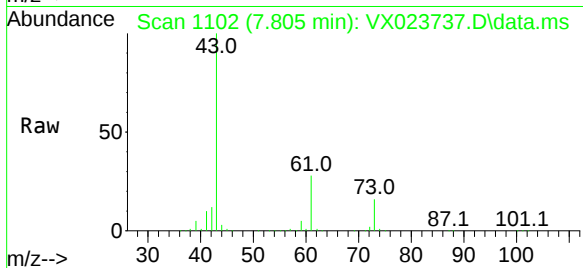
Tgt Ion: 41 Resp: 124822

Ion Ratio Lower Upper

41 100

69 0.1 76.0 114.0#

39 55.5 44.6 67.0



#49

1,4-Dioxane

Concen: 4.390 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX023737.D

Acq: 16 Aug 2021 14:50

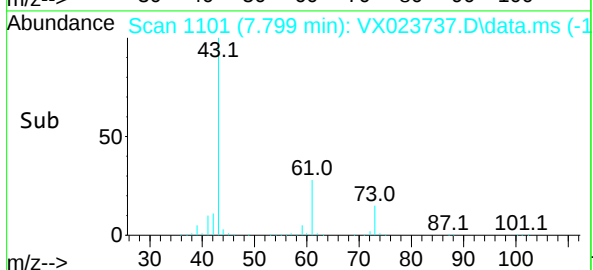
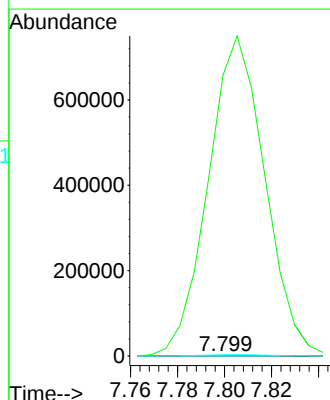
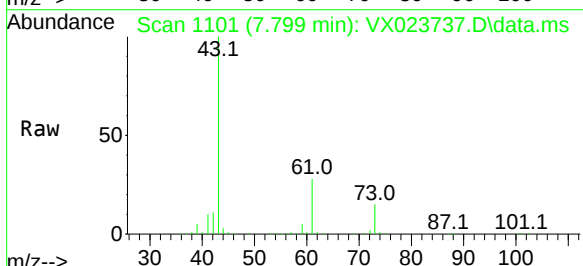
Tgt Ion: 88 Resp: 203

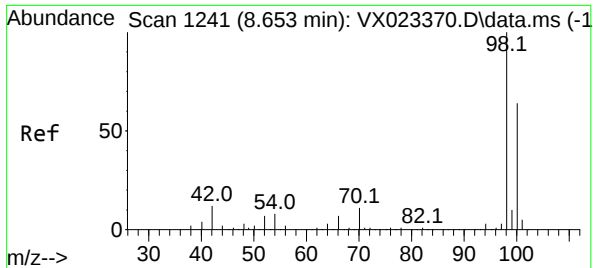
Ion Ratio Lower Upper

88 100

43 623394.6 23.2 34.8#

58 2793.6 55.0 82.4#

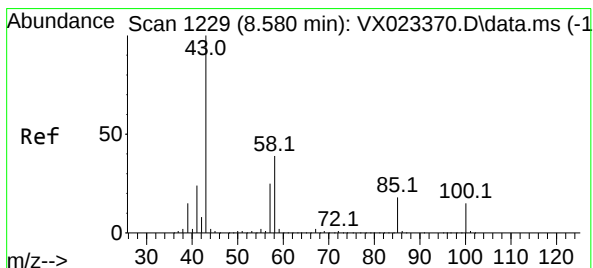
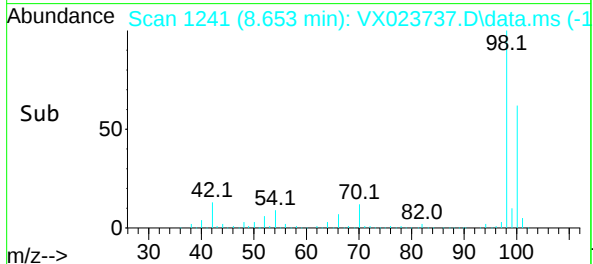
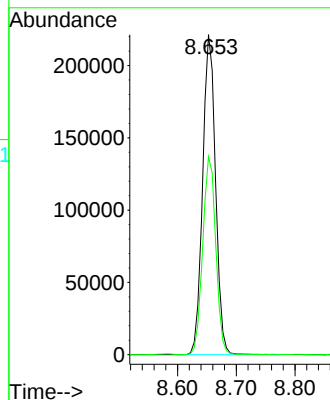
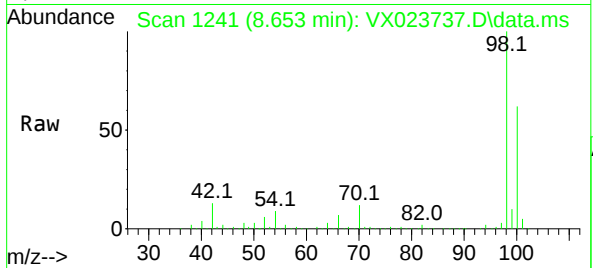




#50
Toluene-d8
Concen: 55.399 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

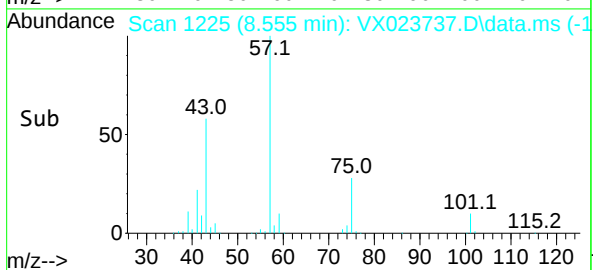
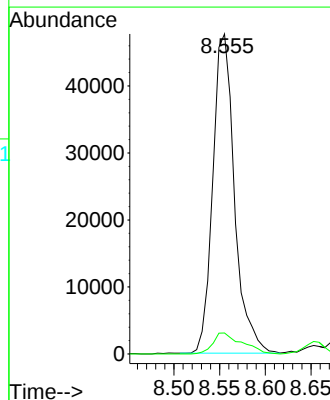
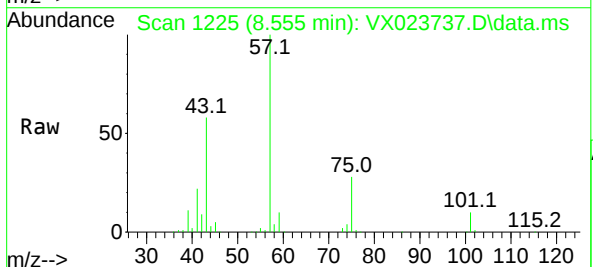
Instrument :
MSVOA_X
ClientSampled :

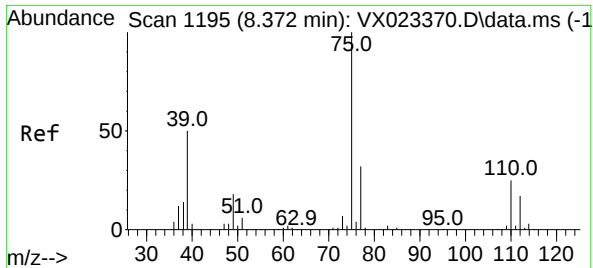
Tgt Ion: 98 Resp: 337615
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 27.434 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 43 Resp: 78678
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#

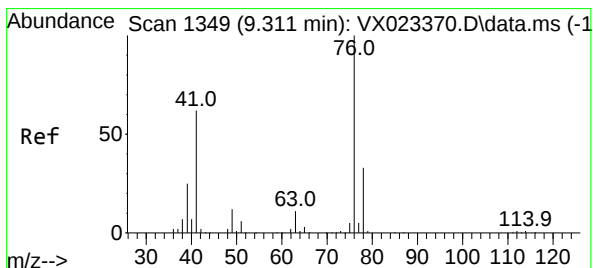
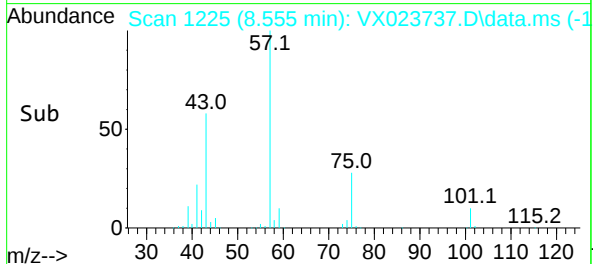
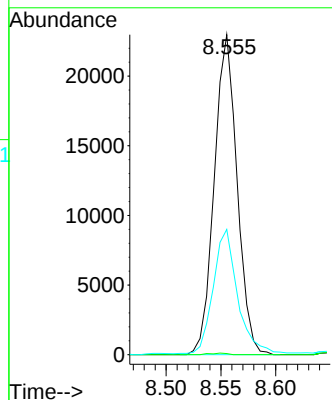
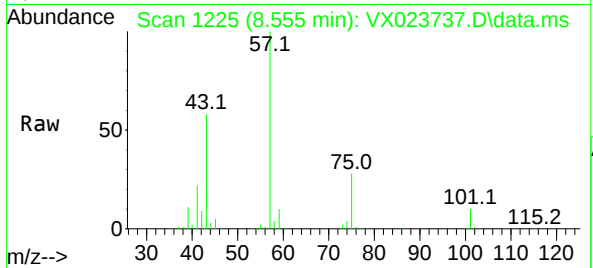




#54
 cis-1,3-Dichloropropene
 Concen: 11.592 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023737.D
 Acq: 16 Aug 2021 14:50

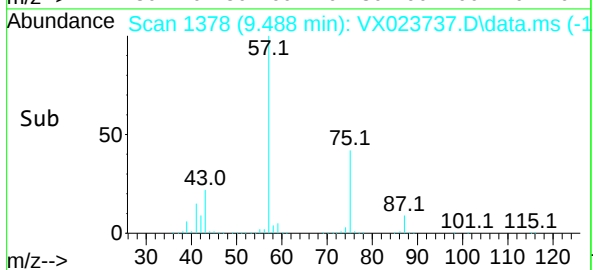
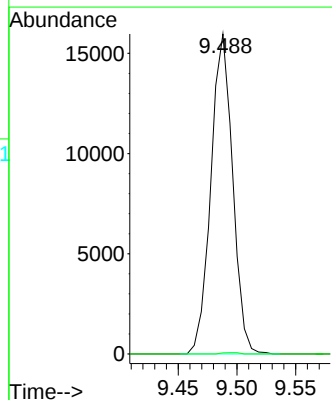
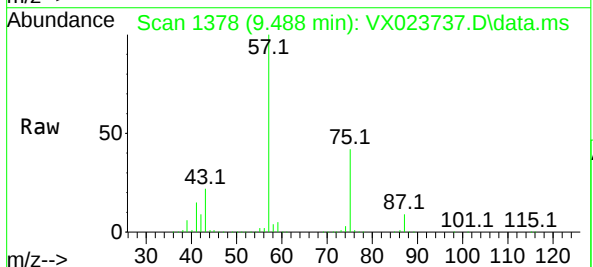
Instrument :
 MSVOA_X
 ClientSampleId :

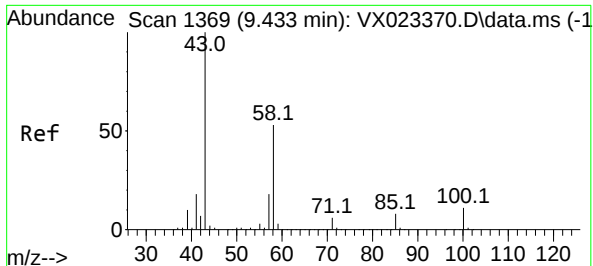
Tgt Ion: 75 Resp: 33250
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.7 38.5#
 39 38.7 35.1 52.7



#57
 1,3-Dichloropropane
 Concen: 6.789 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023737.D
 Acq: 16 Aug 2021 14:50

Tgt Ion: 76 Resp: 20592
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

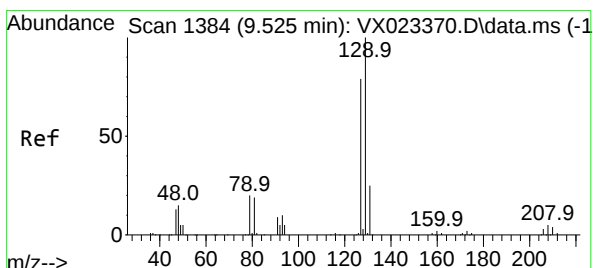
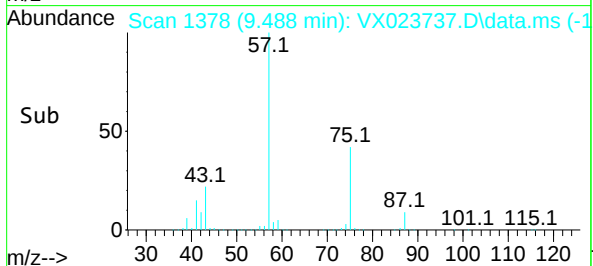
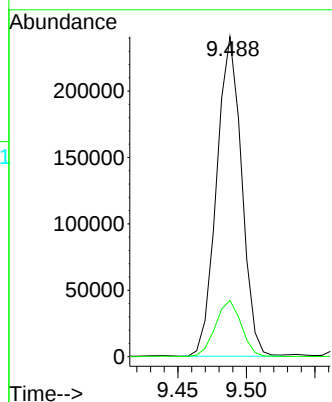
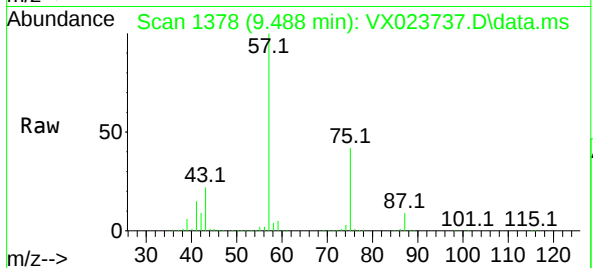




#59
2-Hexanone
Concen: 140.223 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

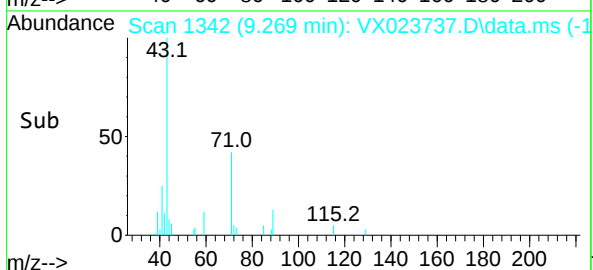
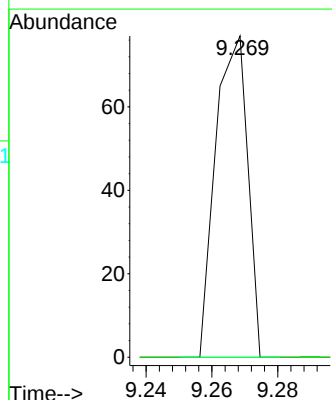
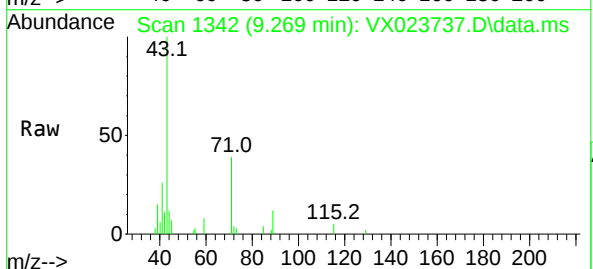
Instrument :
MSVOA_X
ClientSampled :

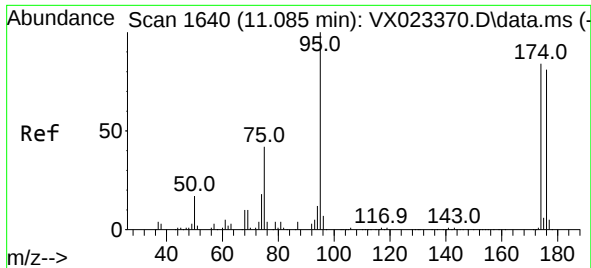
Tgt Ion: 43 Resp: 305374
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#60
Dibromochloromethane
Concen: 2.008 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 129 Resp: 52
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

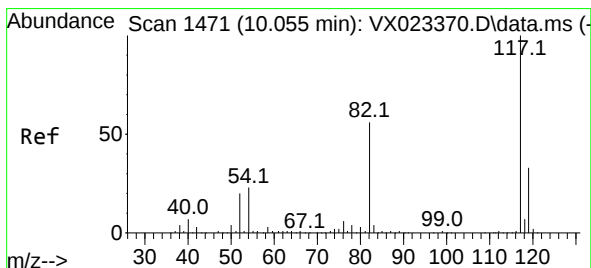
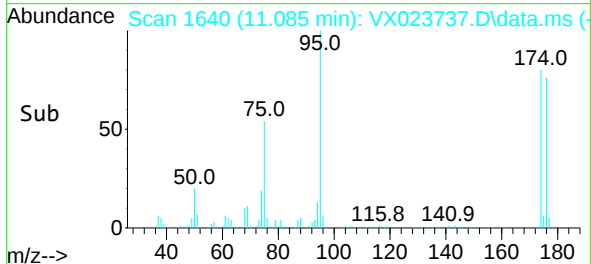
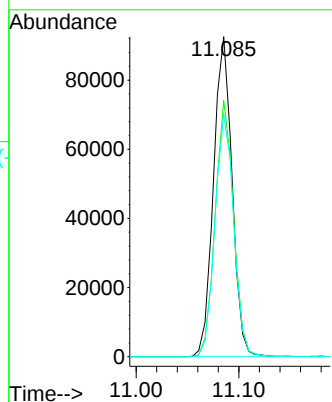
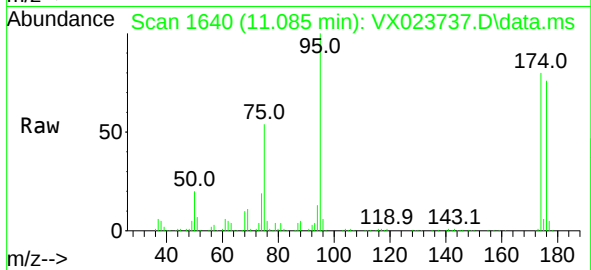




#62
4-Bromofluorobenzene
Concen: 55.844 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

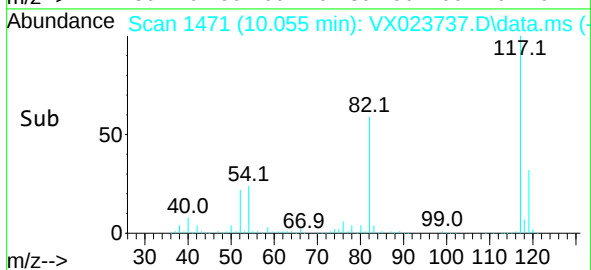
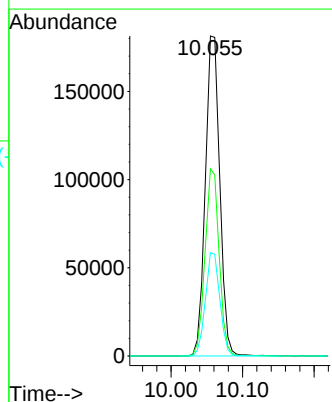
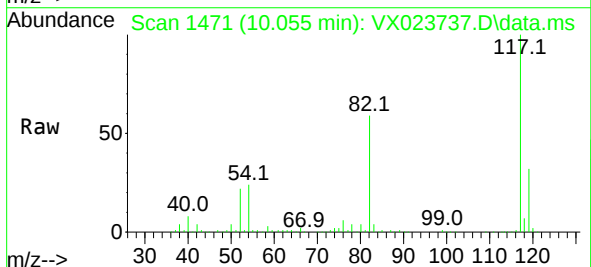
Instrument :
MSVOA_X
ClientSampleId :

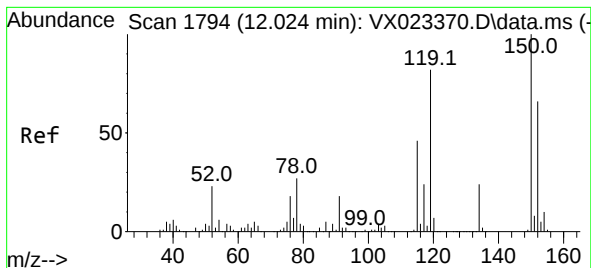
Tgt Ion: 95 Resp: 115724
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 76.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 117 Resp: 254983
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 32.2 26.6 39.8

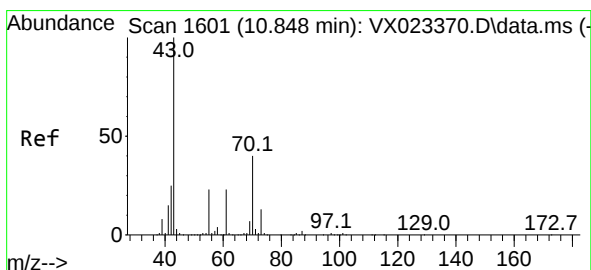
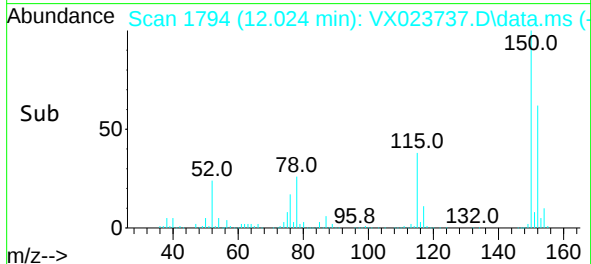
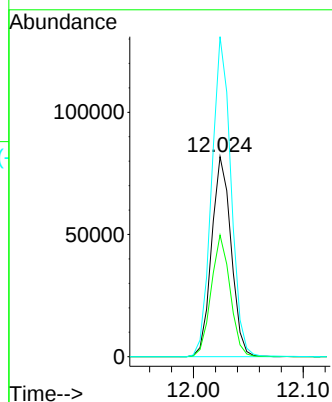
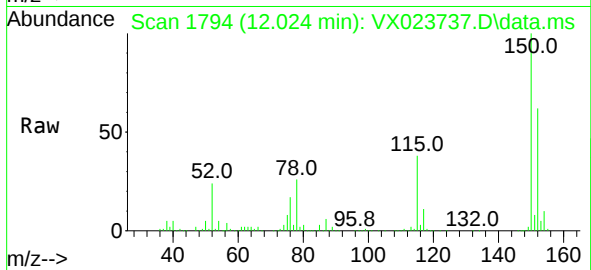




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

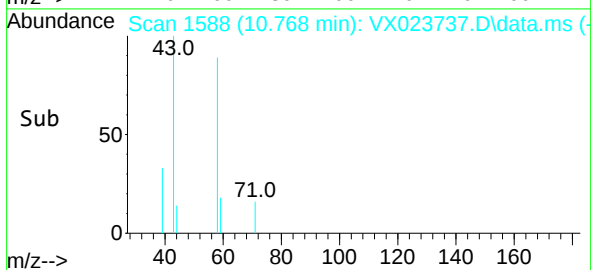
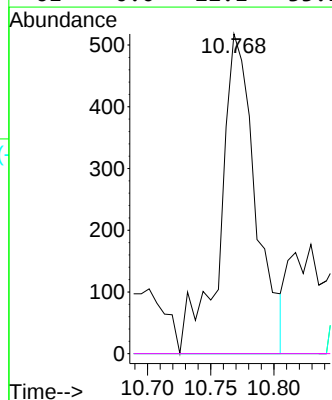
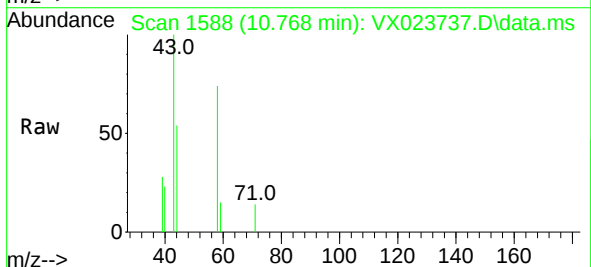
Instrument :
MSVOA_X
ClientSampled :

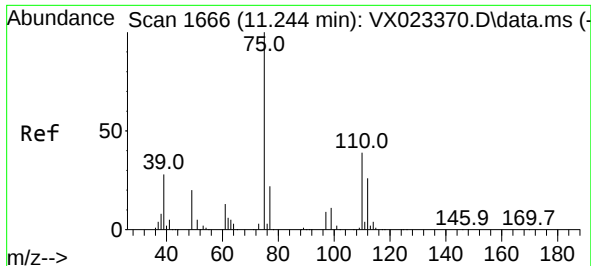
Tgt Ion:152 Resp: 101061
Ion Ratio Lower Upper
152 100
115 59.2 41.1 123.3
150 158.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.289 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

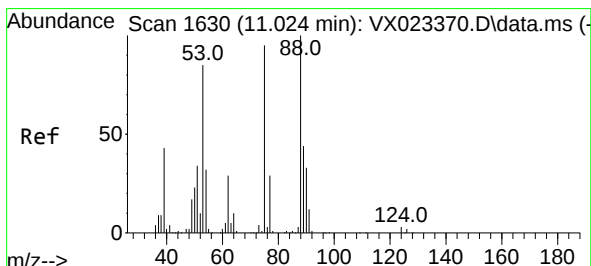
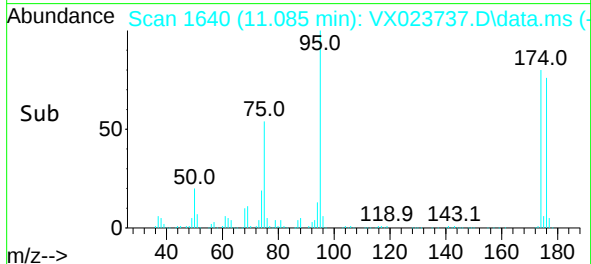
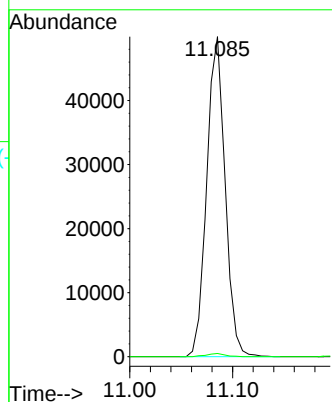
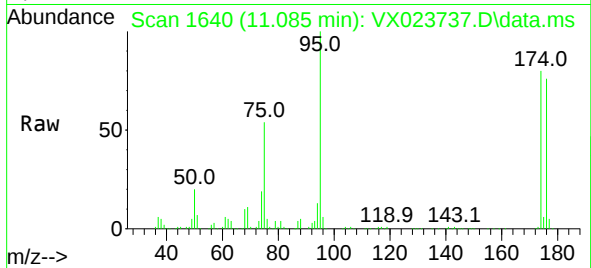




#76
1,2,3-Trichloropropane
Concen: 28.013 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 62299
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.324 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023737.D
Acq: 16 Aug 2021 14:50

Tgt Ion: 75 Resp: 62299
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

