

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024737.D
 Acq On : 12 Oct 2021 02:36
 Operator : JC/MD
 Sample : M4158-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:08:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

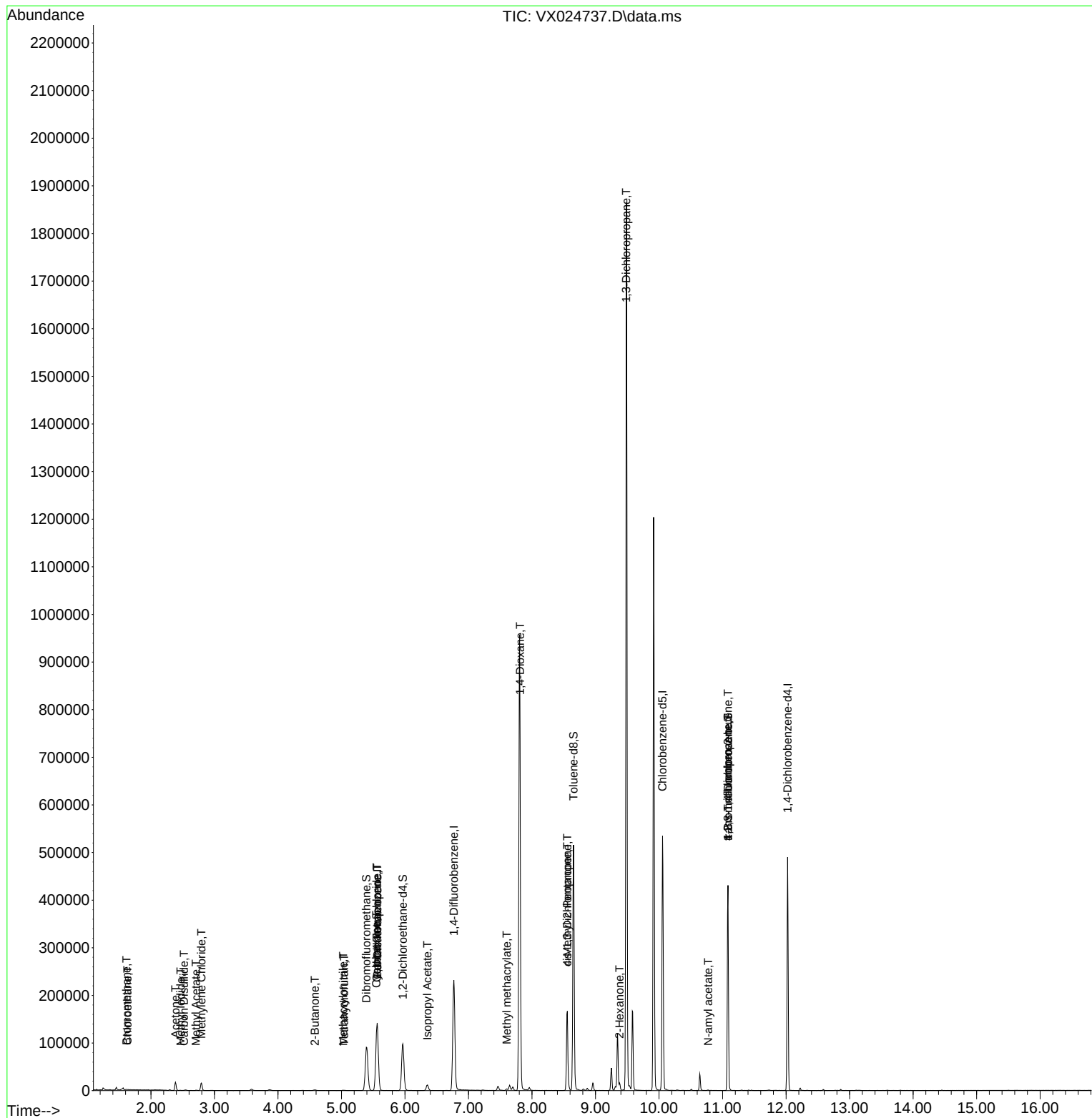
Internal Standards						
1) Pentafluorobenzene	5.562	168	131337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230157	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101172	54.657	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.320%			
35) Dibromofluoromethane	5.391	113	78466	51.319	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	8.653	98	290157	51.561	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.120%			
62) 4-Bromofluorobenzene	11.085	95	107565	48.614	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.220%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	240	0.274	ug/l	87
6) Chloroethane	1.630	64	134	0.412	ug/l #	43
10) Methyl Iodide	2.465	142	427	0.235	ug/l #	89
11) Tert butyl alcohol	2.965	59	320	Below Cal	#	73
16) Acetone	2.386	43	18130	13.625	ug/l #	85
17) Carbon Disulfide	2.520	76	475	0.380	ug/l #	75
18) Methyl Acetate	2.709	43	1018	0.367	ug/l #	75
20) Methylene Chloride	2.794	84	7267	4.199	ug/l	94
25) 2-Butanone	4.580	43	2654	2.082	ug/l	99
29) Tetrahydrofuran	5.044	42	718	0.884	ug/l #	69
31) Cyclohexane	5.550	56	2860	1.290	ug/l #	43
36) 1,1-Dichloropropene	5.562	75	10202	4.624	ug/l #	51
38) Carbon Tetrachloride	5.556	117	14048	5.849	ug/l #	16
41) Methacrylonitrile	5.026	41	293	0.206	ug/l #	36
43) Isopropyl Acetate	6.355	43	15744	3.759	ug/l	94
48) Methyl methacrylate	7.604	41	4978	2.401	ug/l #	10
49) 1,4-Dioxane	7.812	88	118	2.484	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60887	22.022	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	25556	9.913	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	15054	5.294	ug/l #	42
59) 2-Hexanone	9.378	43	8214	3.773	ug/l #	19
74) N-amyl acetate	10.775	43	649	0.205	ug/l #	47
76) 1,2,3-Trichloropropane	11.085	75	57057	25.779	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	57057	70.238	ug/l #	12

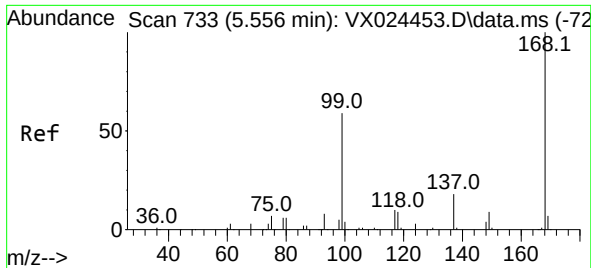
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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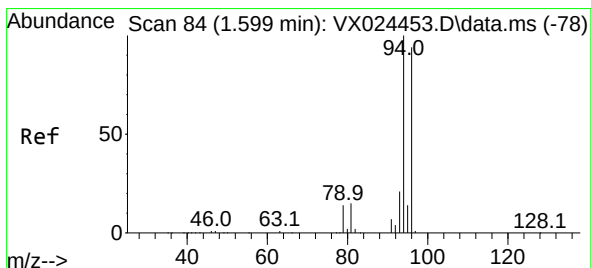
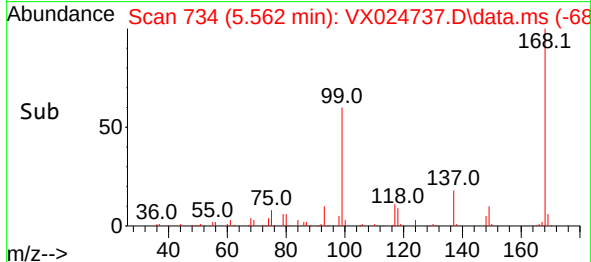
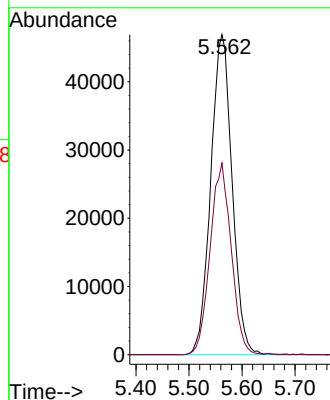
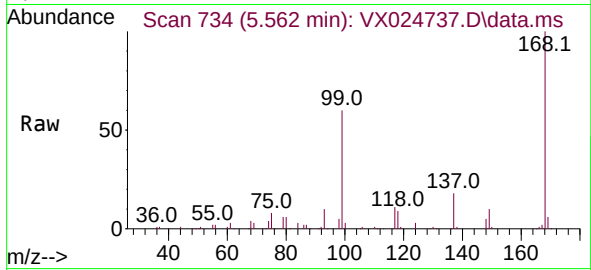




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

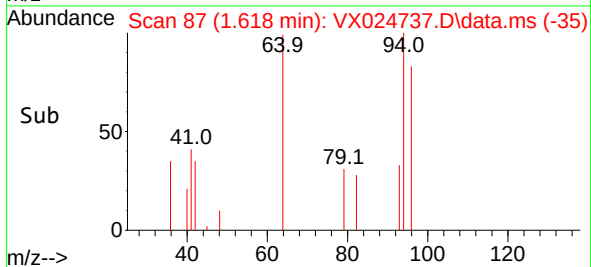
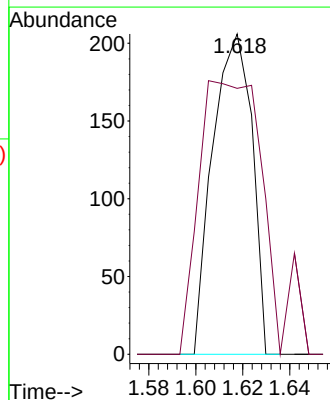
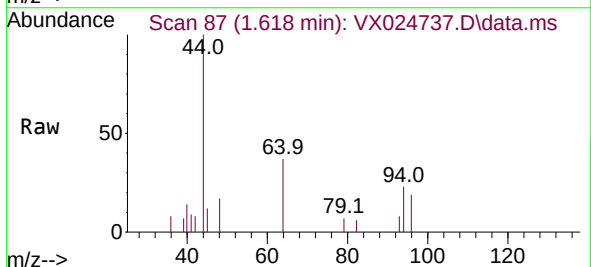
Instrument :
MSVOA_X
ClientSampled :

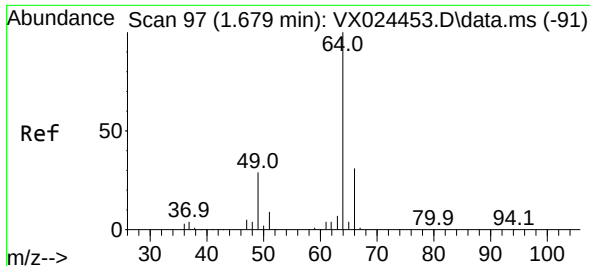
Tgt Ion:168 Resp: 131337
Ion Ratio Lower Upper
168 100
99 59.8 45.8 68.6



#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 83.0 76.4 114.6

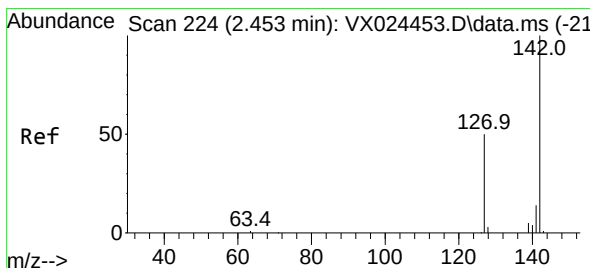
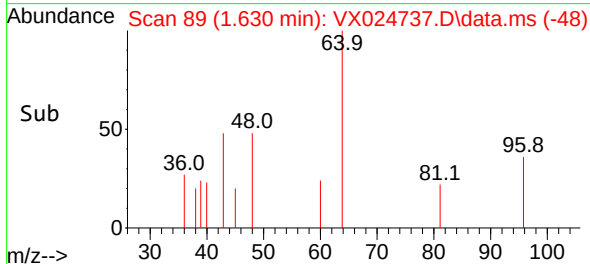
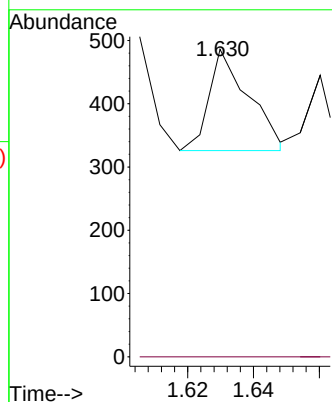
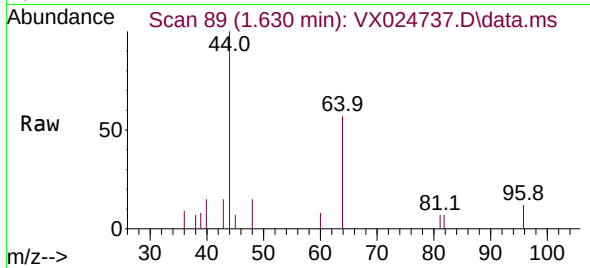




#6
Chloroethane
Concen: 0.412 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.049 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

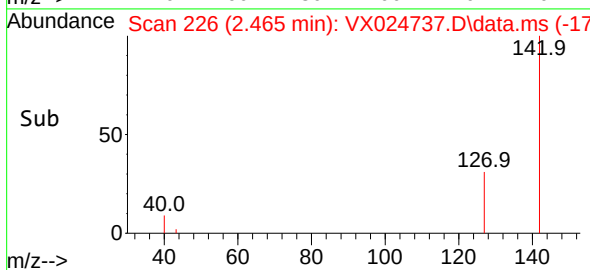
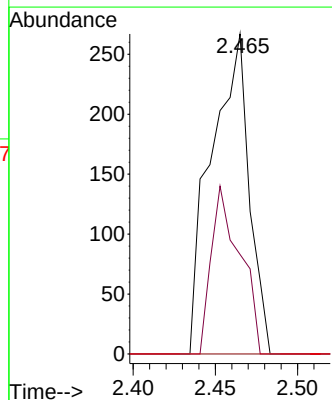
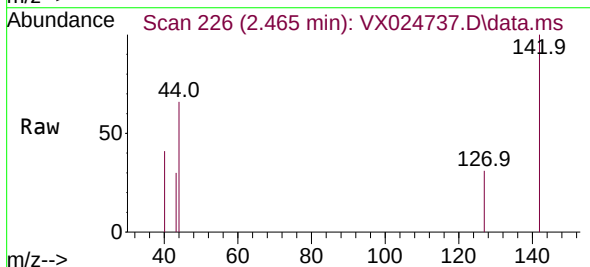
Instrument :
MSVOA_X
ClientSampled :

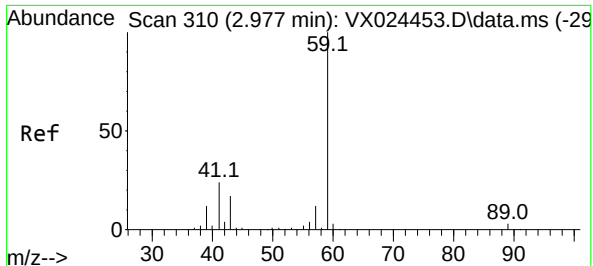
Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.235 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 142 Resp: 427
Ion Ratio Lower Upper
142 100
127 39.8 33.3 49.9
141 0.0 11.4 17.0#

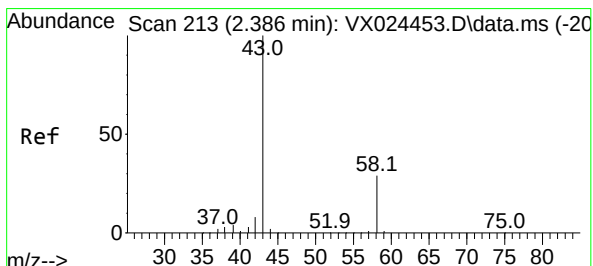
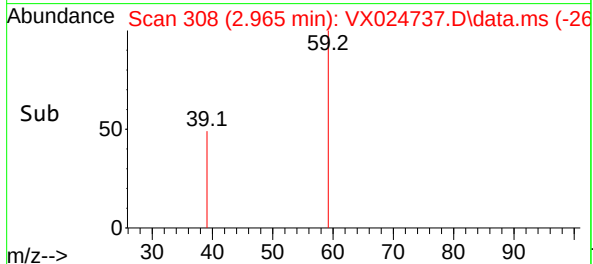
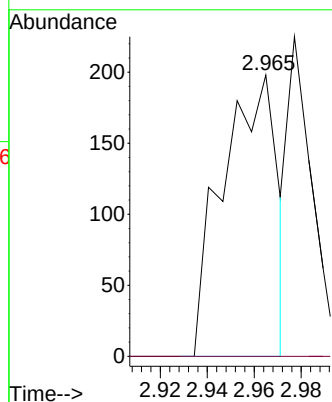
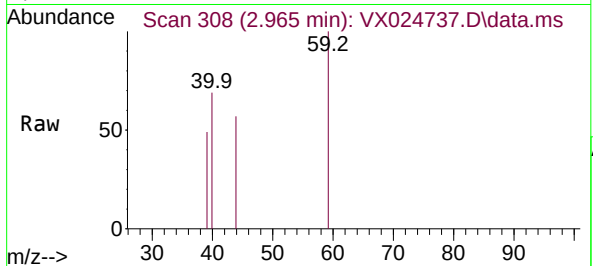




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

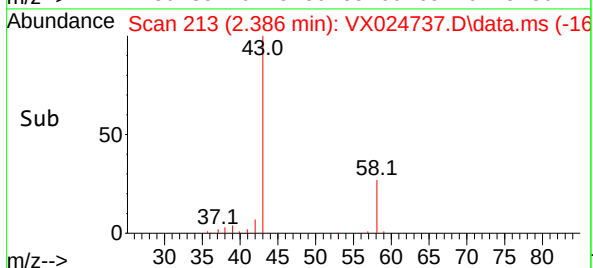
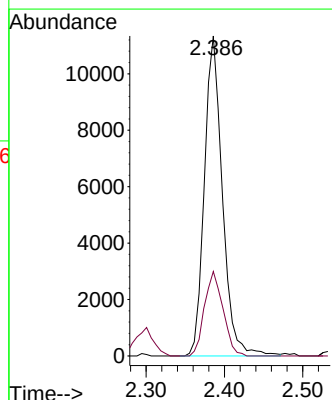
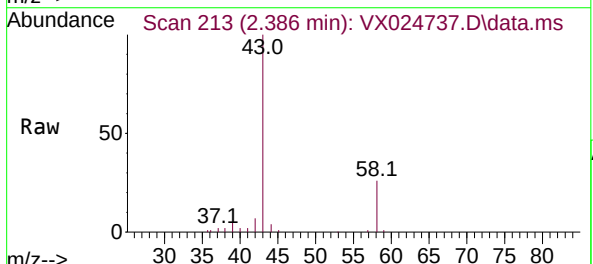
Instrument :
MSVOA_X
ClientSampled :

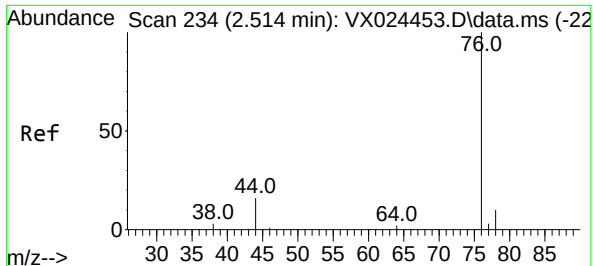
Tgt Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 13.625 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 43 Resp: 18130
Ion Ratio Lower Upper
43 100
58 26.4 27.8 41.8#

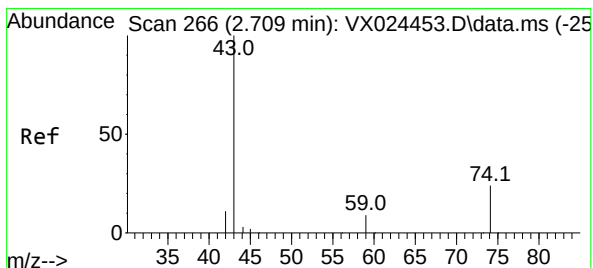
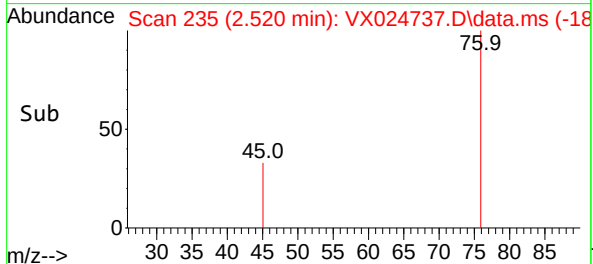
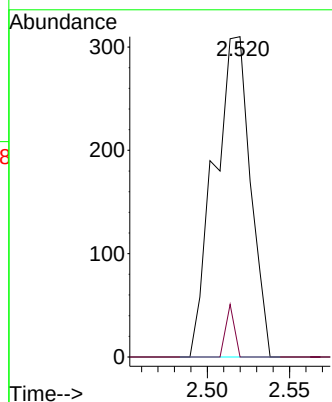
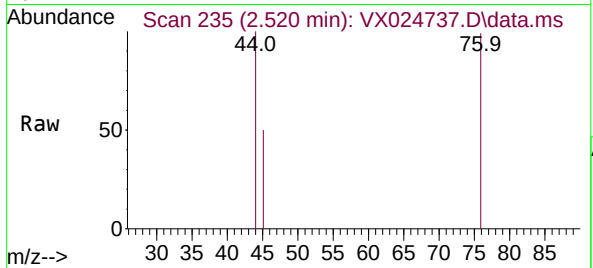




#17
Carbon Disulfide
Concen: 0.380 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

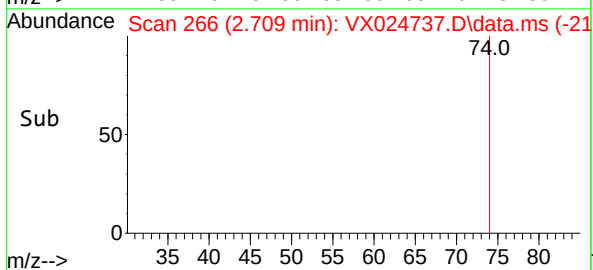
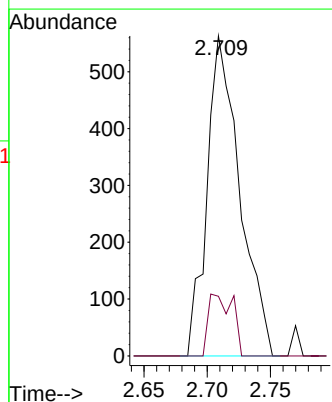
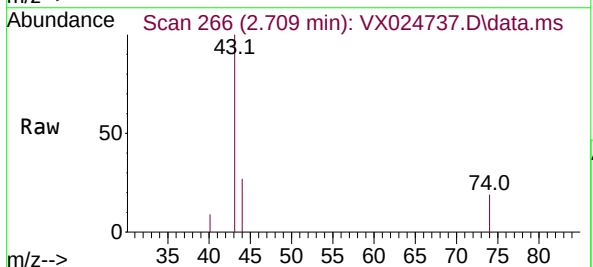
Instrument :
MSVOA_X
ClientSampled :

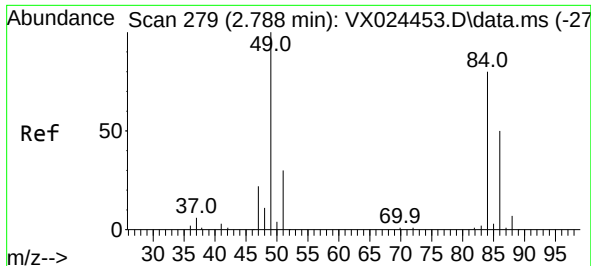
Tgt Ion: 76 Resp: 475
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.367 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
74 14.1 21.9 32.9#



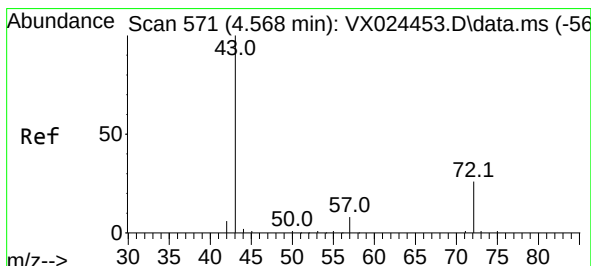
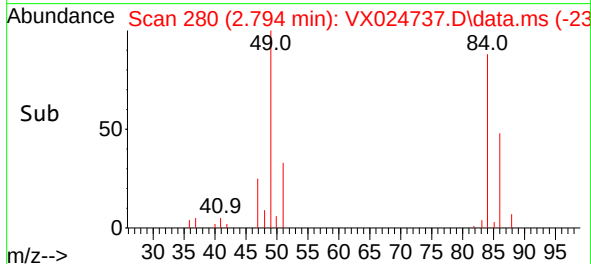
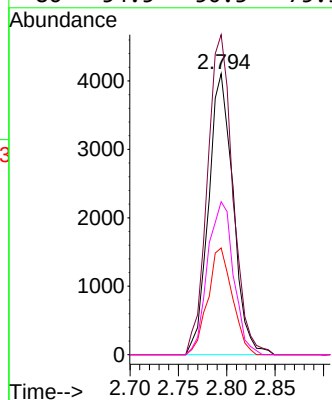
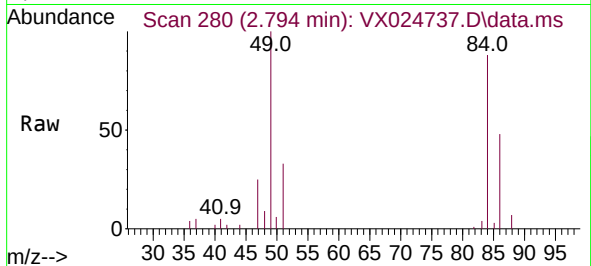


#20
Methylene Chloride
Concen: 4.199 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 84 Resp: 7267

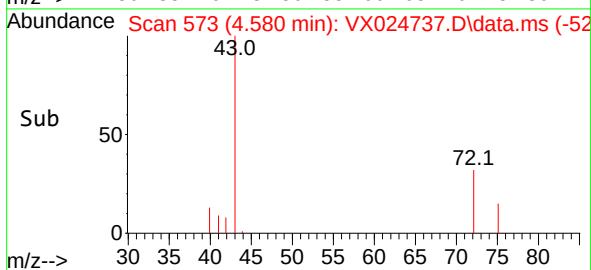
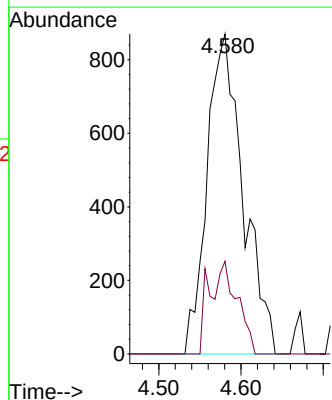
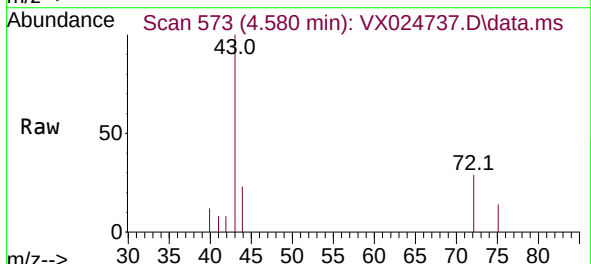
Ion	Ratio	Lower	Upper
84	100		
49	113.9	88.6	132.8
51	38.0	27.0	40.6
86	54.5	50.3	75.5

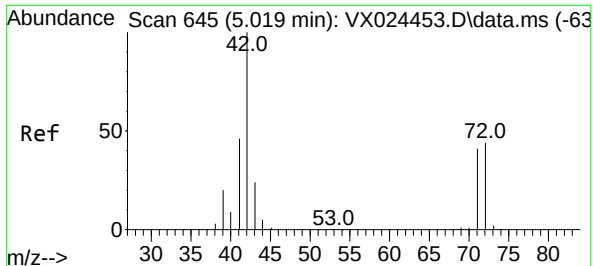


#25
2-Butanone
Concen: 2.082 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 43 Resp: 2654

Ion	Ratio	Lower	Upper
43	100		
72	29.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.884 ug/l

RT: 5.044 min Scan# 649

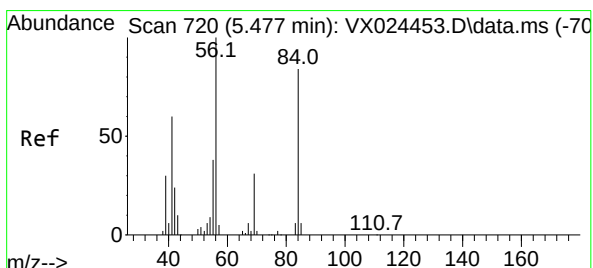
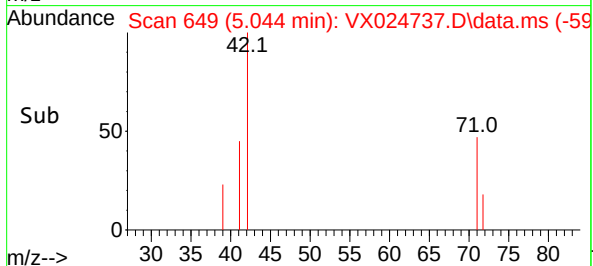
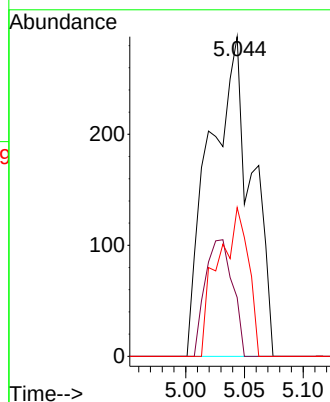
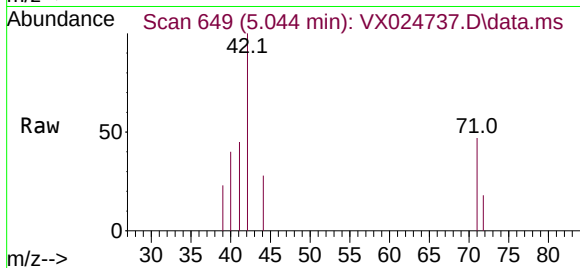
Delta R.T. 0.025 min

Lab File: VX024737.D

Acq: 12 Oct 2021 02:36

Tgt Ion:	42	Resp:	718
Ion	Ratio	Lower	Upper
42	100		
72	23.8	41.7	62.5#
71	33.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.290 ug/l

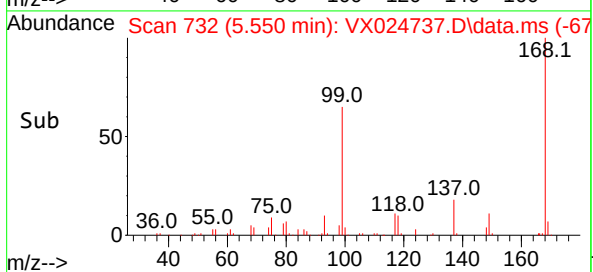
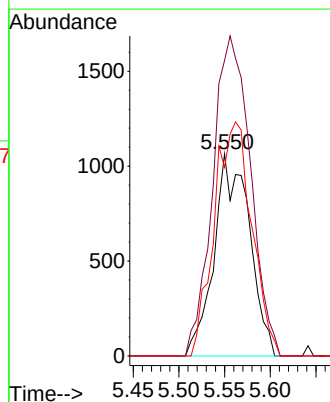
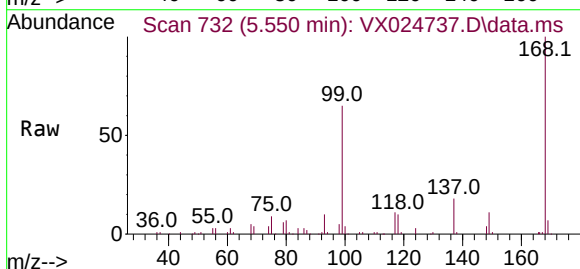
RT: 5.550 min Scan# 732

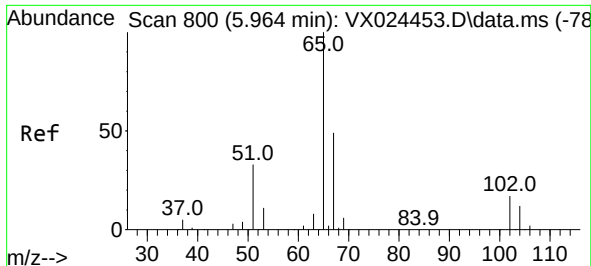
Delta R.T. 0.073 min

Lab File: VX024737.D

Acq: 12 Oct 2021 02:36

Tgt Ion:	56	Resp:	2860
Ion	Ratio	Lower	Upper
56	100		
69	146.2	25.3	37.9#
84	93.4	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 54.657 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

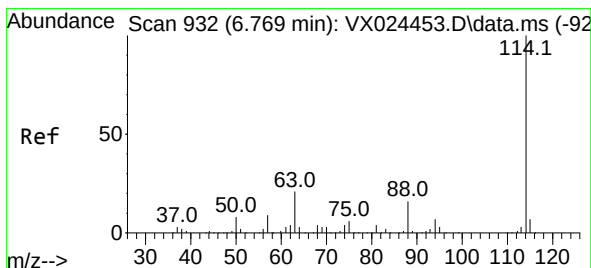
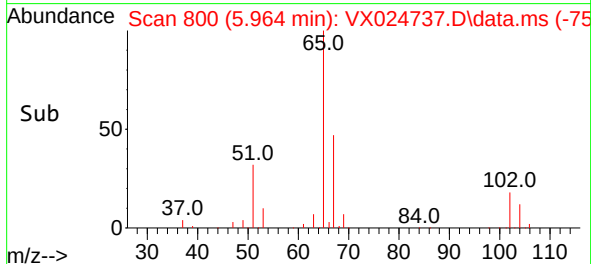
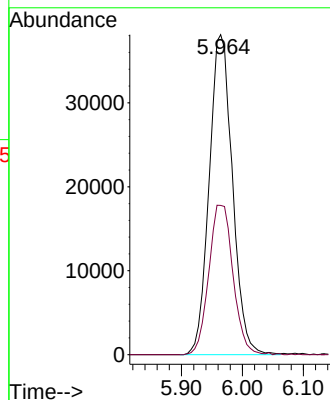
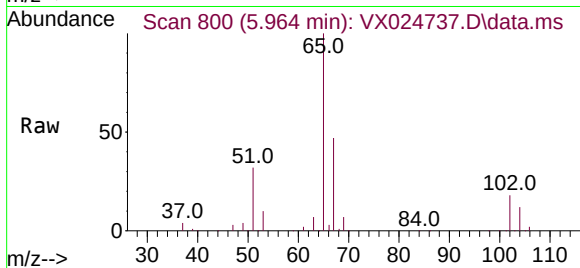
Lab File: VX024737.D

Acq: 12 Oct 2021 02:36

Tgt Ion: 65 Resp: 101172

Ion Ratio Lower Upper

65	100		
67	48.8	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

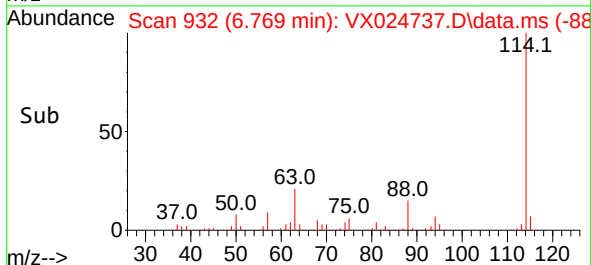
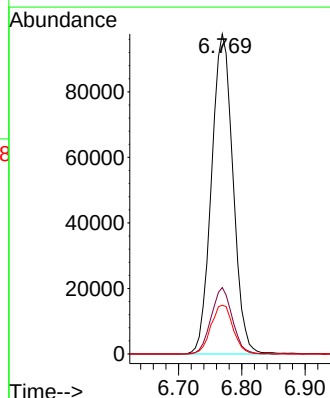
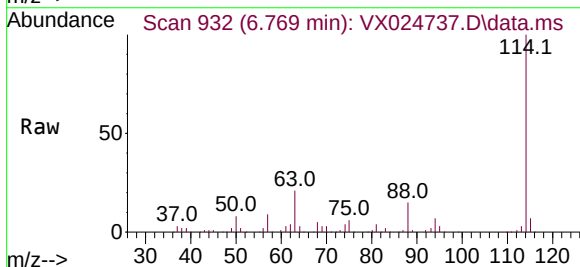
Lab File: VX024737.D

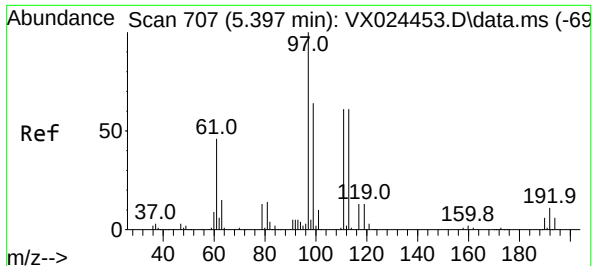
Acq: 12 Oct 2021 02:36

Tgt Ion: 114 Resp: 230157

Ion Ratio Lower Upper

114	100		
63	20.7	0.0	40.8
88	15.3	0.0	32.8





#35

Dibromofluoromethane

Concen: 51.319 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024737.D

Acq: 12 Oct 2021 02:36

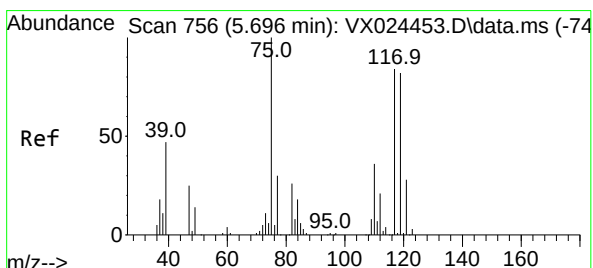
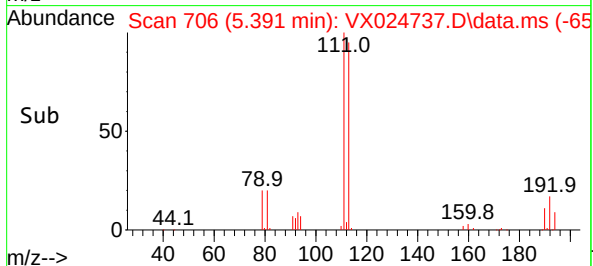
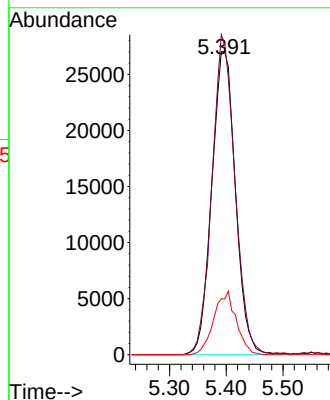
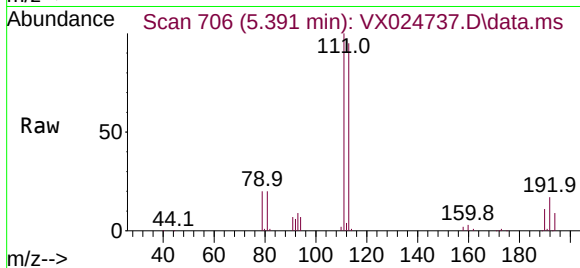
Tgt Ion:113 Resp: 78466

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 19.7 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024737.D

Acq: 12 Oct 2021 02:36

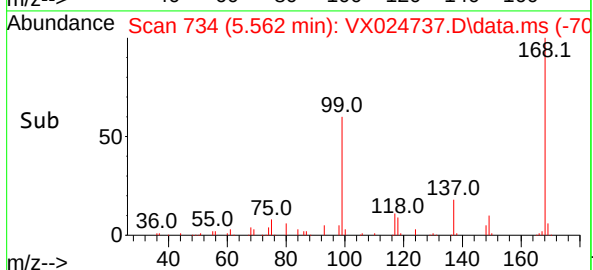
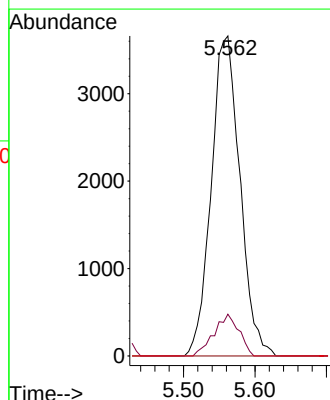
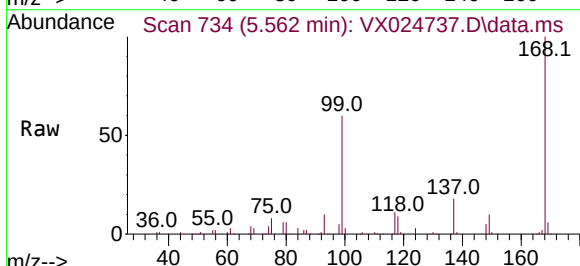
Tgt Ion: 75 Resp: 10202

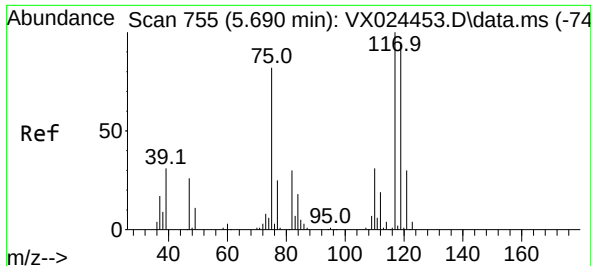
Ion Ratio Lower Upper

75 100

110 11.4 18.1 54.4#

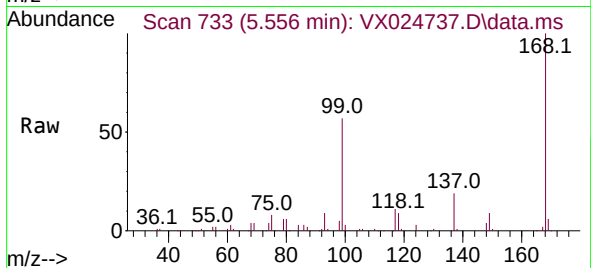
77 0.0 25.3 37.9#



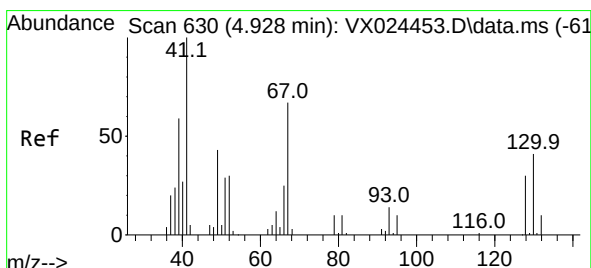
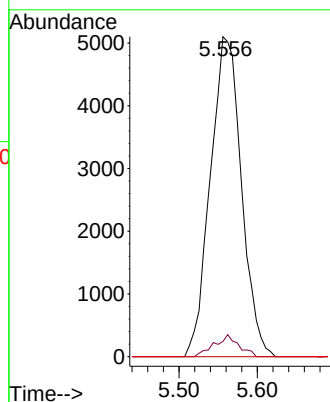
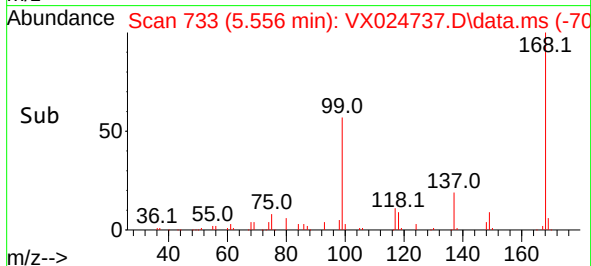


#38
Carbon Tetrachloride
Concen: 5.849 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

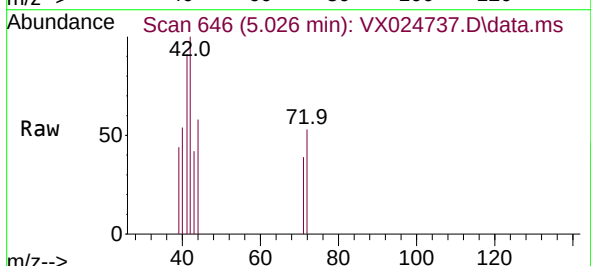
Instrument :
MSVOA_X
ClientSampled :



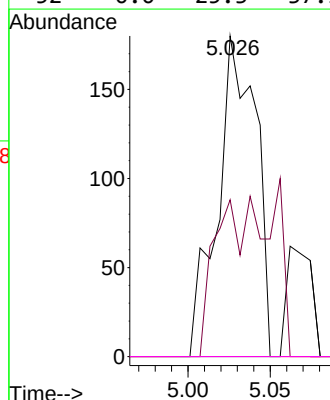
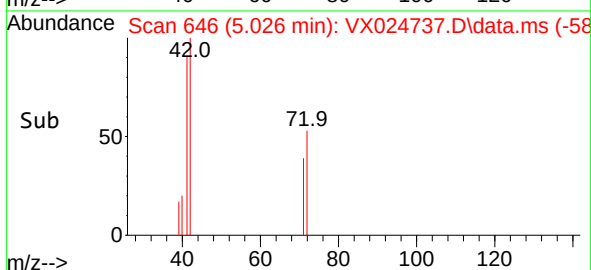
Tgt Ion:117 Resp: 14048
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

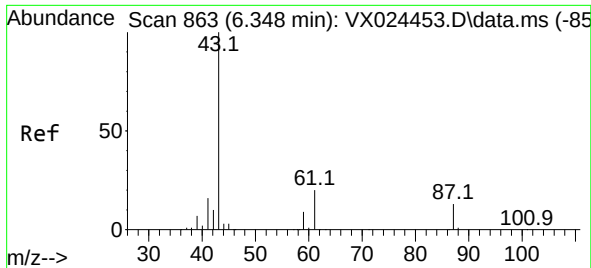


#41
Methacrylonitrile
Concen: 0.206 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36



Tgt Ion: 41 Resp: 293
Ion Ratio Lower Upper
41 100
39 34.8 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

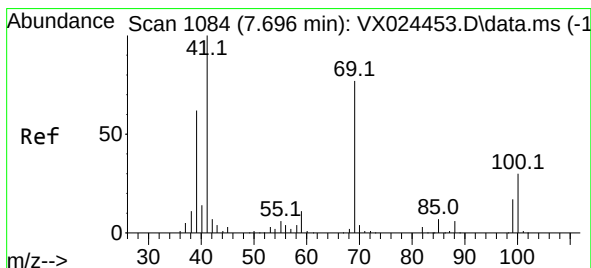
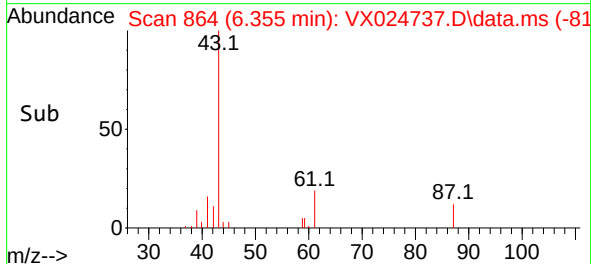
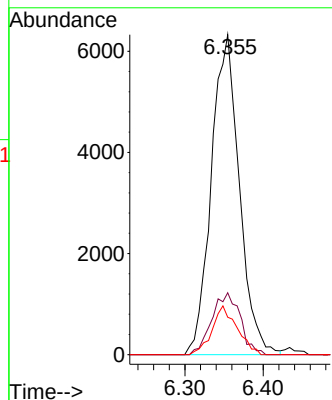
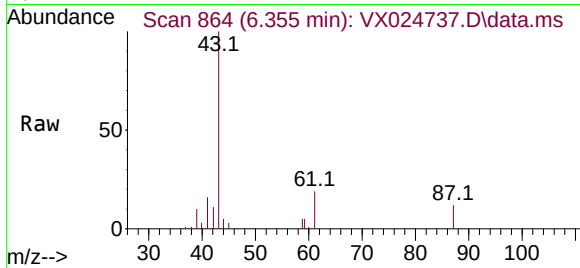




#43
Isopropyl Acetate
Concen: 3.759 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

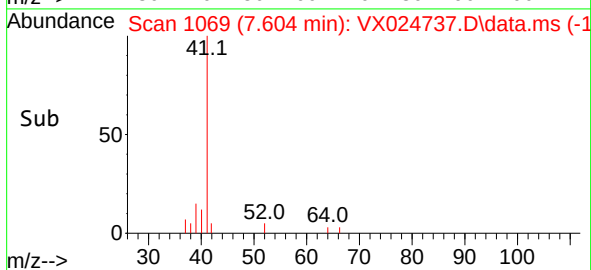
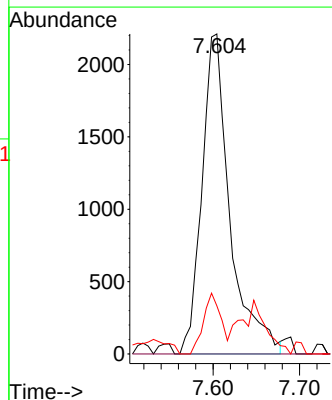
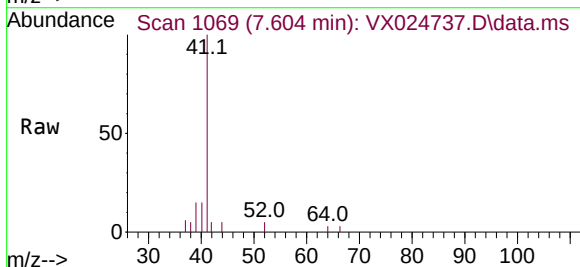
Instrument :
MSVOA_X
ClientSampled :

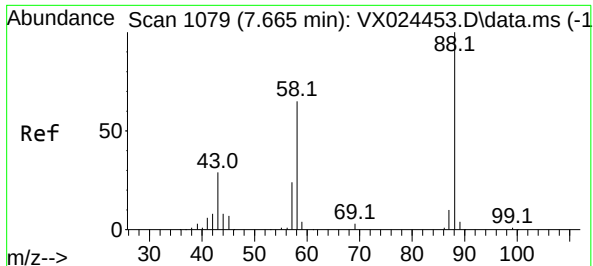
Tgt Ion: 43	Resp: 15744
Ion Ratio	Lower Upper
43	100
61	19.7 18.2 27.4
87	13.6 12.5 18.7



#48
Methyl methacrylate
Concen: 2.401 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 41	Resp: 4978
Ion Ratio	Lower Upper
41	100
69	0.0 76.0 114.0#
39	0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 2.484 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.147 min

Lab File: VX024737.D

Acq: 12 Oct 2021 02:36

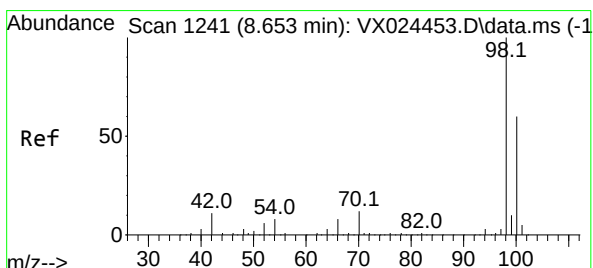
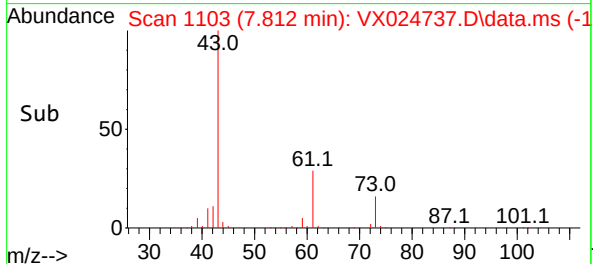
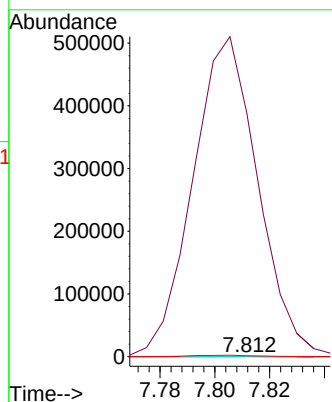
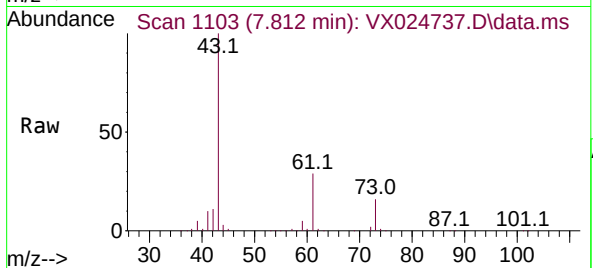
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

43 720044.1 23.2 34.8#

58 3359.3 55.0 82.4#



#50

Toluene-d8

Concen: 51.561 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024737.D

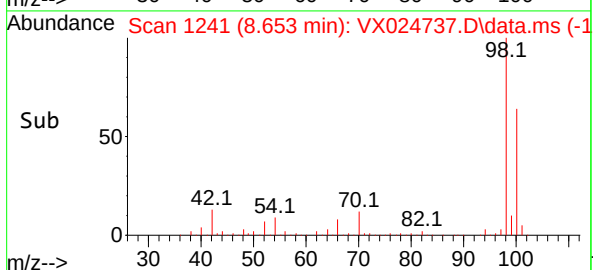
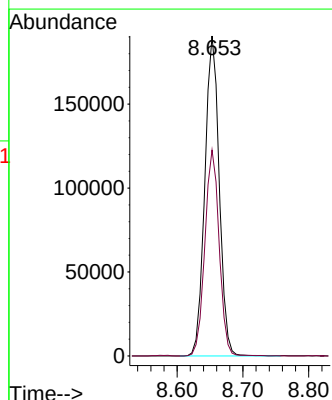
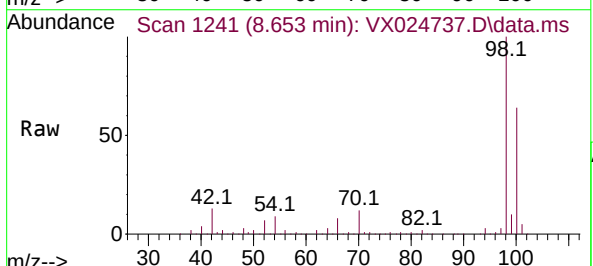
Acq: 12 Oct 2021 02:36

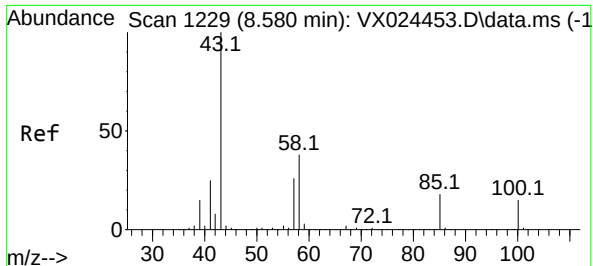
Tgt Ion: 98 Resp: 290157

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9

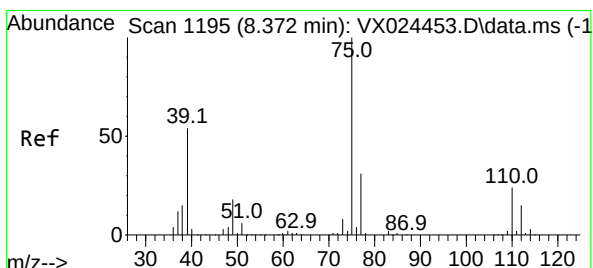
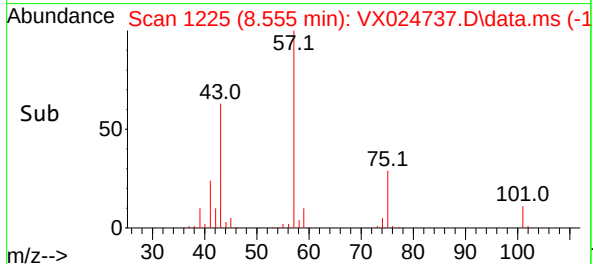
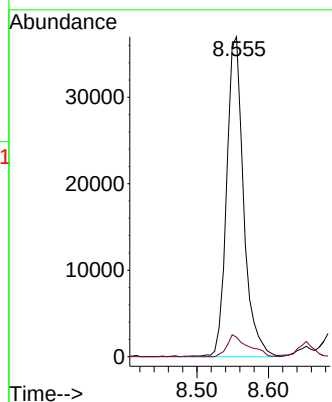
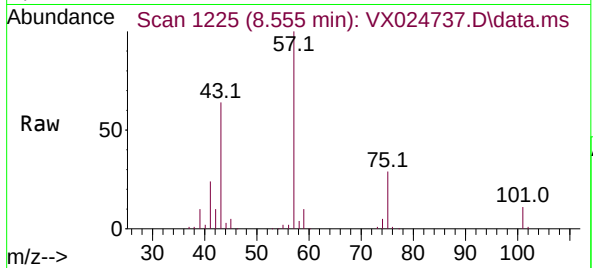




#51
4-Methyl-2-Pentanone
Concen: 22.022 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

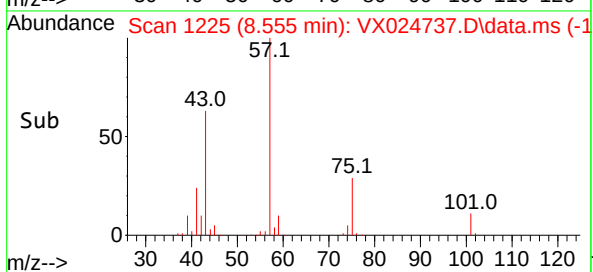
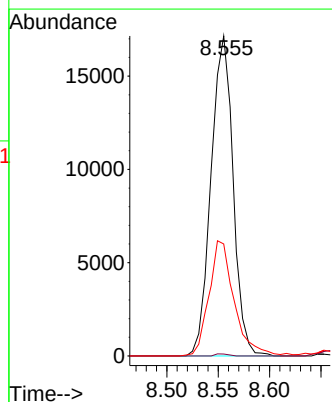
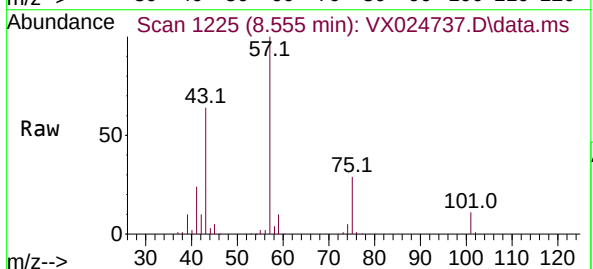
Instrument :
MSVOA_X
ClientSampled :

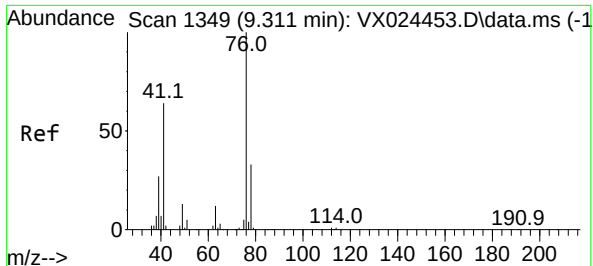
Tgt Ion: 43 Resp: 60887
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.913 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 75 Resp: 25556
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 35.0 35.1 52.7#

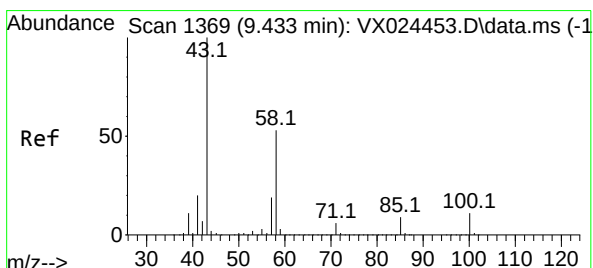
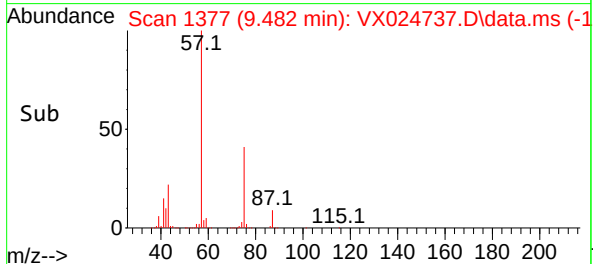
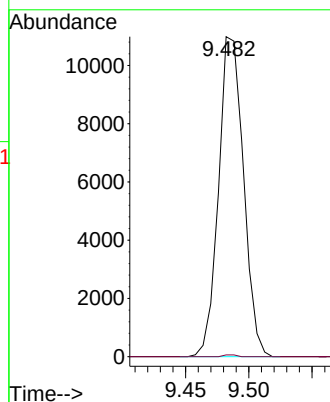
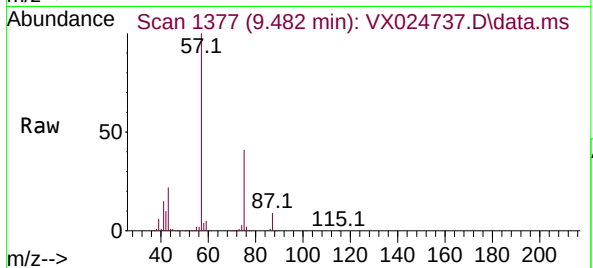




#57
1,3-Dichloropropane
Concen: 5.294 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

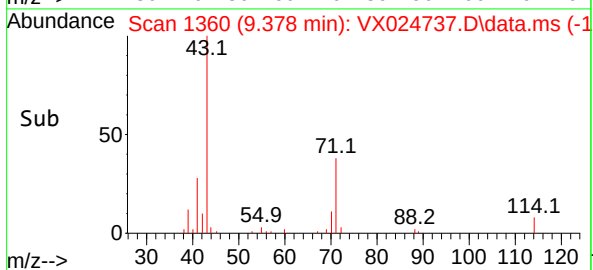
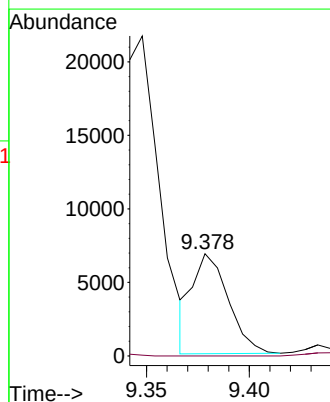
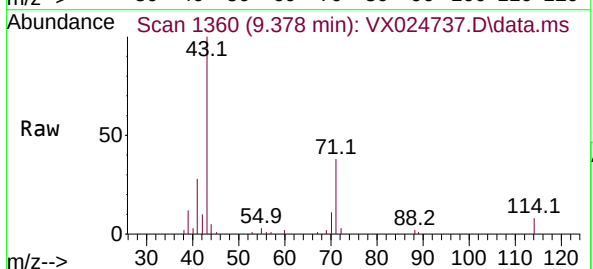
Instrument :
MSVOA_X
ClientSampled :

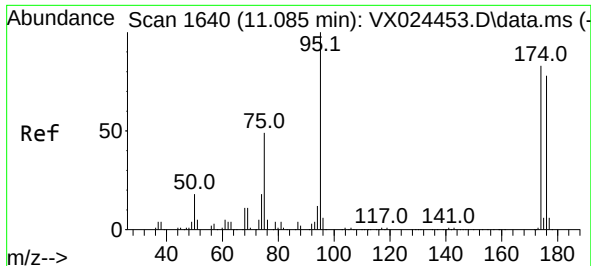
Tgt Ion: 76 Resp: 15054
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#



#59
2-Hexanone
Concen: 3.773 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 43 Resp: 8214
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

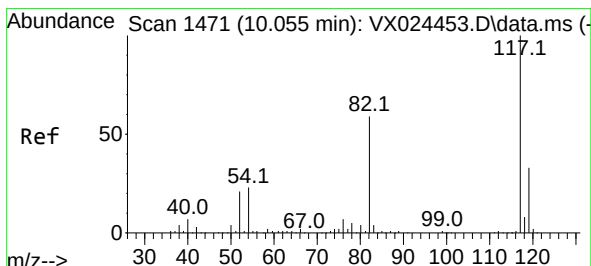
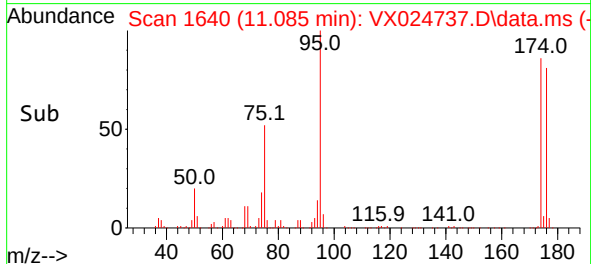
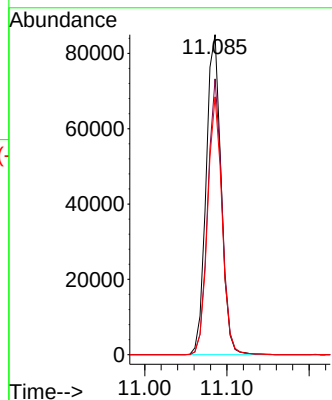
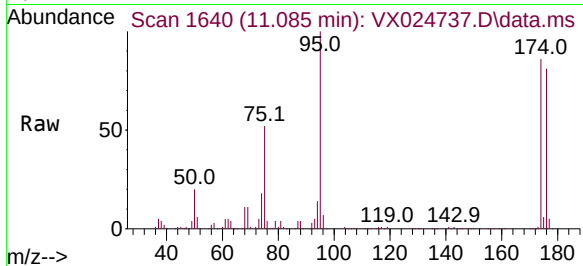




#62
4-Bromofluorobenzene
Concen: 48.614 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

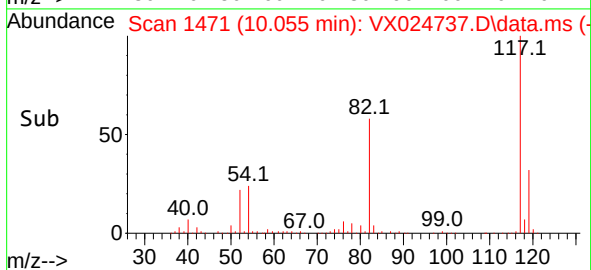
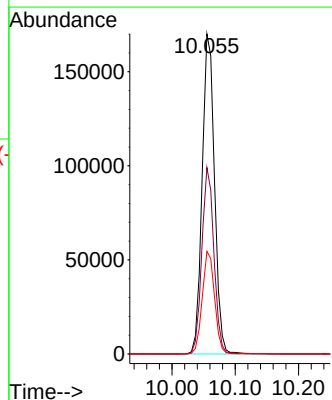
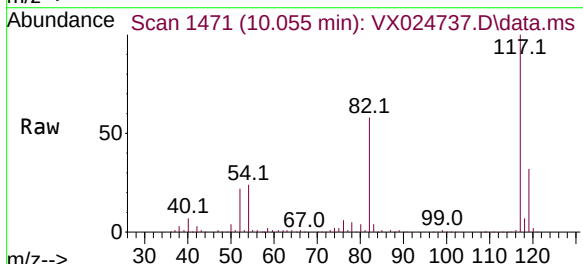
Instrument :
MSVOA_X
ClientSampleId :

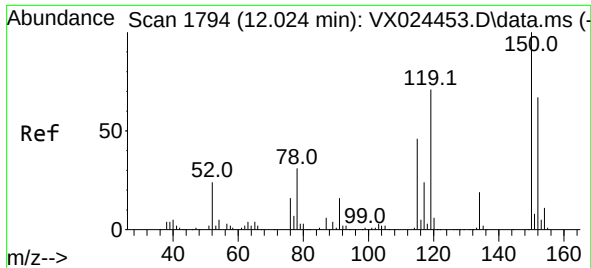
Tgt Ion: 95 Resp: 107565
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 77.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 117 Resp: 231387
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.2
119 32.1 26.6 39.8

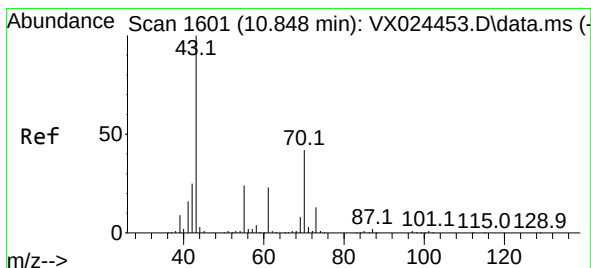
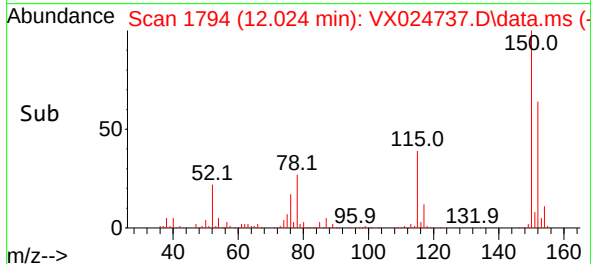
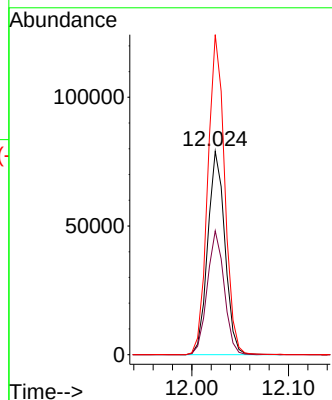
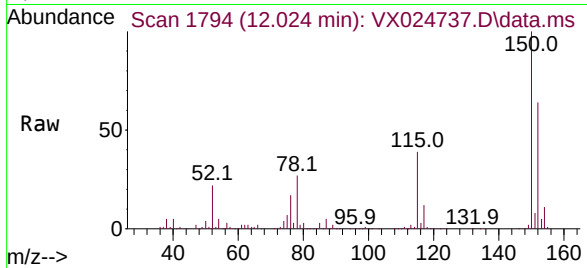




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

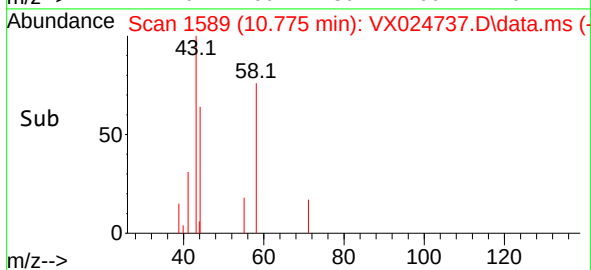
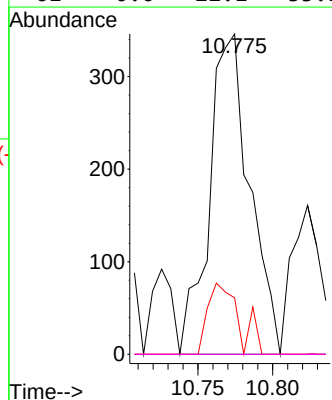
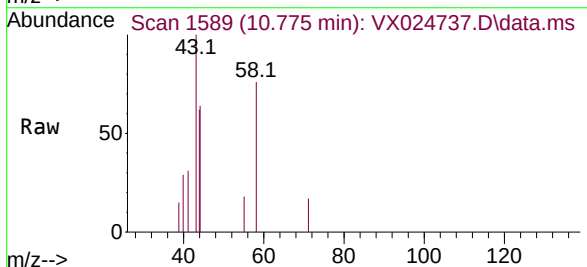
Instrument :
MSVOA_X
ClientSampled :

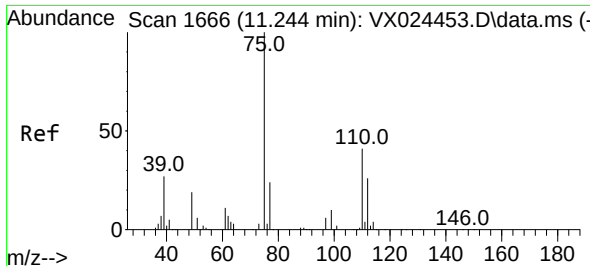
Tgt Ion:152 Resp: 97462
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 154.9 0.0 349.0



#74
N-ethyl acetate
Concen: 0.205 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 17.3 21.5 32.3#
61 0.0 22.1 33.1#

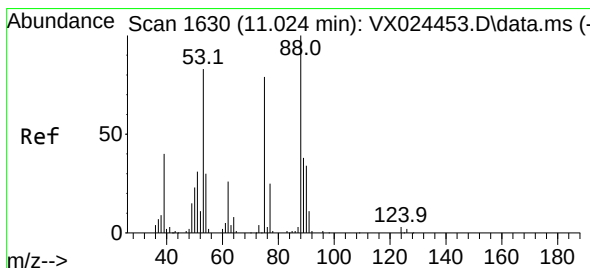
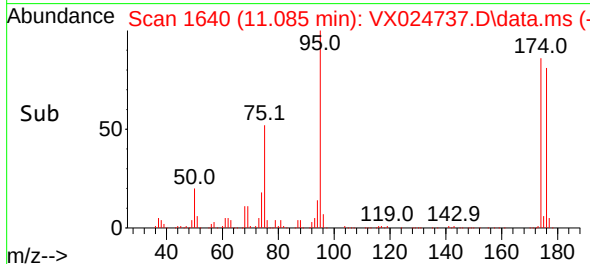
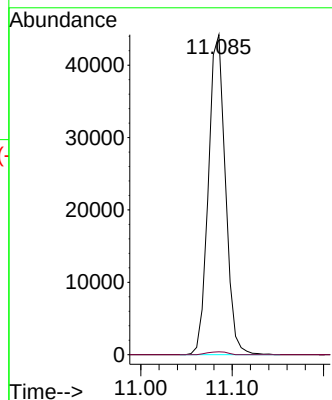
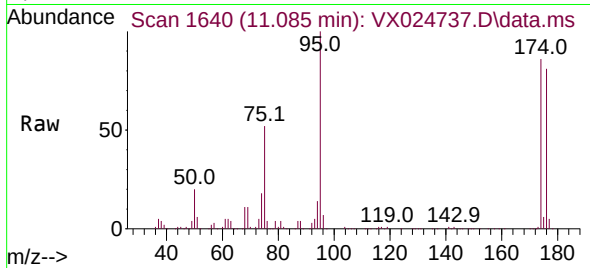




#76
1,2,3-Trichloropropane
Concen: 25.779 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 57057
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.238 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024737.D
Acq: 12 Oct 2021 02:36

Tgt Ion: 75 Resp: 57057
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

