

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010522\
 Data File : VX026324.D
 Acq On : 05 Jan 2022 16:00
 Operator : JC/MD
 Sample : M5336-11DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

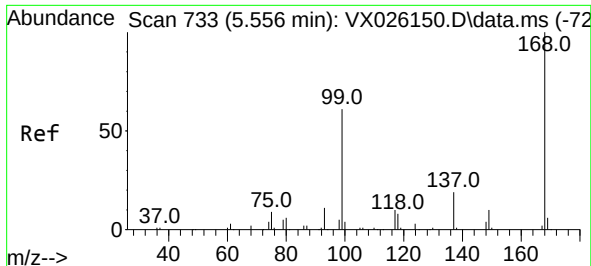
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 06 03:09:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

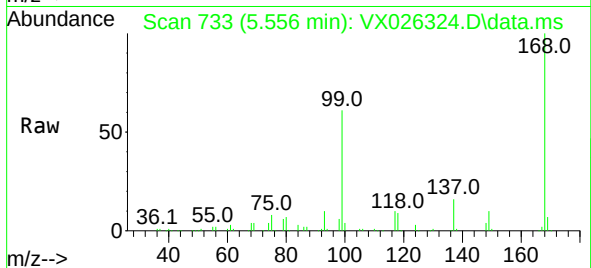
Internal Standards						
1) Pentafluorobenzene	5.556	168	144168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	104219	49.969	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.940%		
35) Dibromofluoromethane	5.391	113	77951	49.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.560%		
50) Toluene-d8	8.653	98	281779	48.382	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.760%		
62) 4-Bromofluorobenzene	11.079	95	108462	52.314	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.620%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	129484	310.826	ug/l	99
13) Acrolein	2.203	56	149	1.000	ug/l #	23
14) Allyl chloride	2.788	41	643	0.204	ug/l #	58
16) Acetone	2.380	43	8947	7.917	ug/l #	84
18) Methyl Acetate	2.788	43	986	0.269	ug/l #	51
19) Methyl tert-butyl Ether	3.117	73	6631	1.189	ug/l #	38
20) Methylene Chloride	2.788	84	1055	Below Cal	#	95
22) Diisopropyl ether	3.703	45	1995	0.331	ug/l #	1
25) 2-Butanone	4.562	43	484	0.307	ug/l #	49
31) Cyclohexane	5.477	56	5817	1.958	ug/l	96
36) 1,1-Dichloropropene	5.556	75	12422	4.919	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15721	5.596	ug/l #	14
39) Methylcyclohexane	7.385	83	6140	2.155	ug/l	93
40) Benzene	6.044	78	602710	83.622	ug/l	98
42) 1,2-Dichloroethane	6.044	62	5857	2.008	ug/l #	74
43) Isopropyl Acetate	6.355	43	1256	0.263	ug/l #	61
48) Methyl methacrylate	7.696	41	4067	1.777	ug/l #	31
51) 4-Methyl-2-Pentanone	8.549	43	1268	0.427	ug/l #	37
52) Toluene	8.720	92	218953	49.346	ug/l	99
53) t-1,3-Dichloropropene	9.128	75	252	1.975	ug/l #	43
67) Ethyl Benzene	10.195	91	19579	2.367	ug/l	94
68) m/p-Xylenes	10.299	106	28441	9.208	ug/l	93
69) o-Xylene	10.640	106	9766	3.231	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	55711	24.336	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55711	70.403	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.756	105	1870	0.306	ug/l	98

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

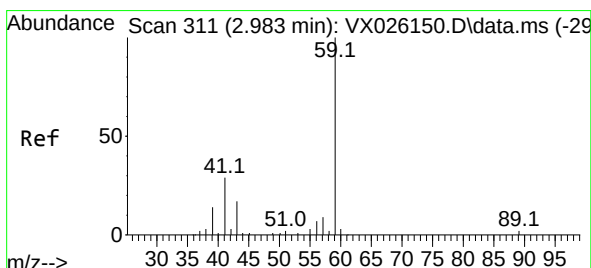
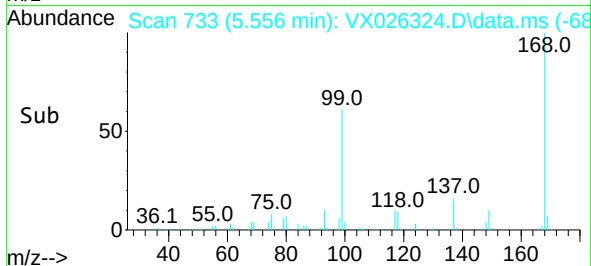
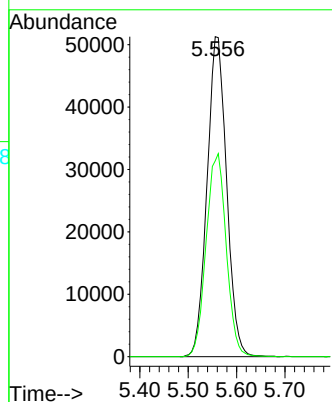


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :

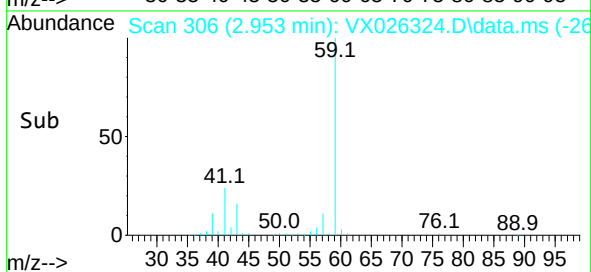
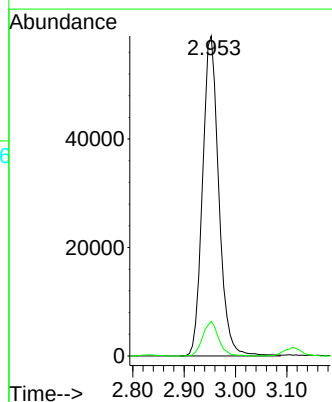
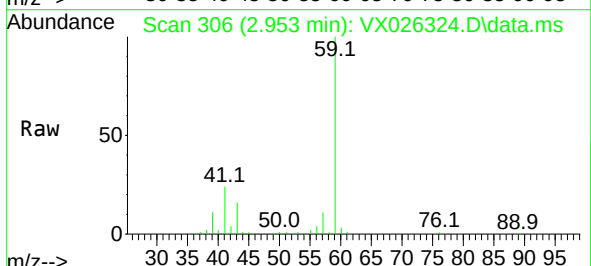


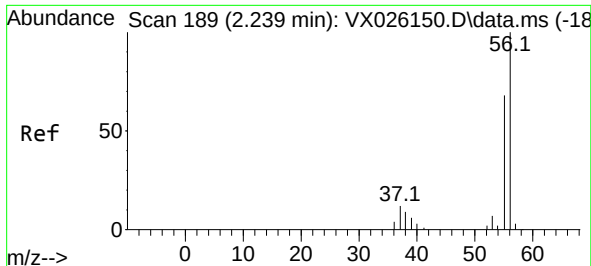
Tgt Ion:168 Resp: 144168
Ion Ratio Lower Upper
168 100
99 61.2 45.8 68.8



#11
Tert butyl alcohol
Concen: 310.826 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Tgt Ion: 59 Resp: 129484
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2





#13

Acrolein

Concen: 1.000 ug/l

RT: 2.203 min Scan# 11

Delta R.T. -0.036 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

Instrument :

MSVOA_X

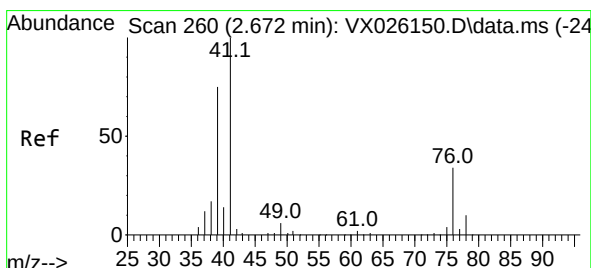
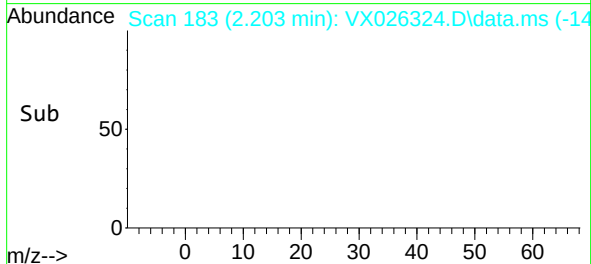
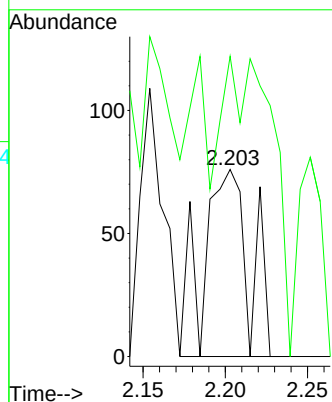
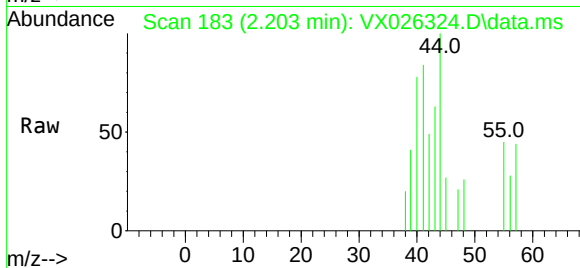
ClientSampleId :

Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 7.4 57.4 86.2#



#14

Allyl chloride

Concen: 0.204 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.116 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

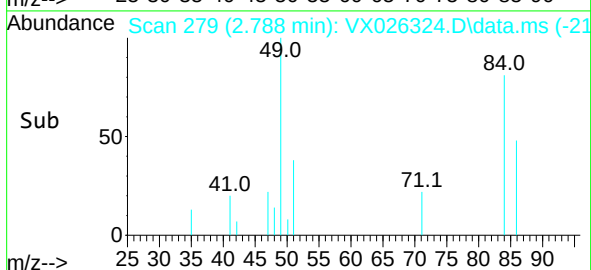
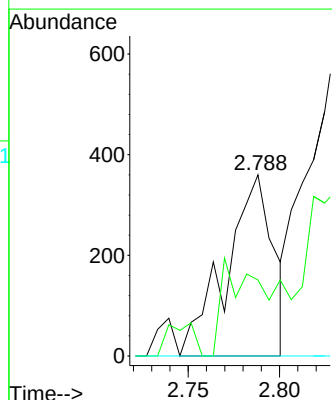
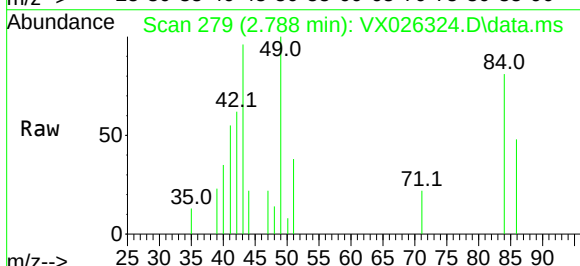
Tgt Ion: 41 Resp: 643

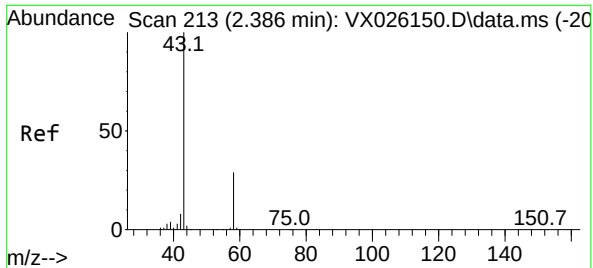
Ion Ratio Lower Upper

41 100

39 41.8 55.4 83.0#

76 0.0 27.6 41.4#

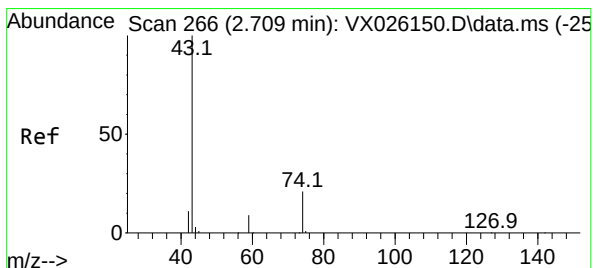
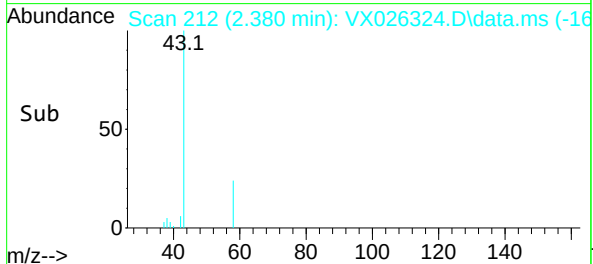
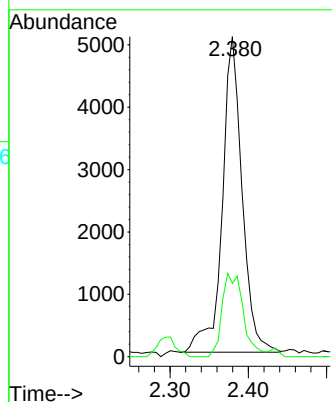
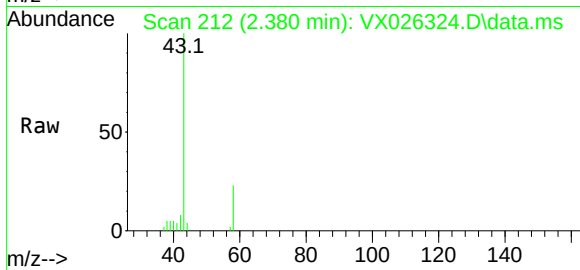




#16
Acetone
Concen: 7.917 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

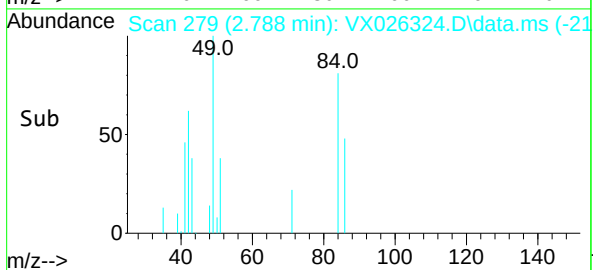
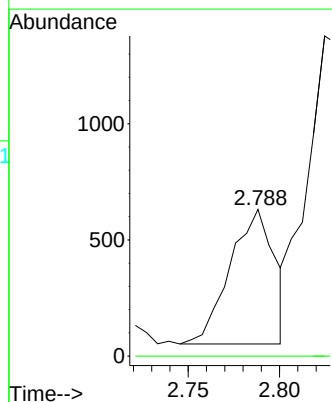
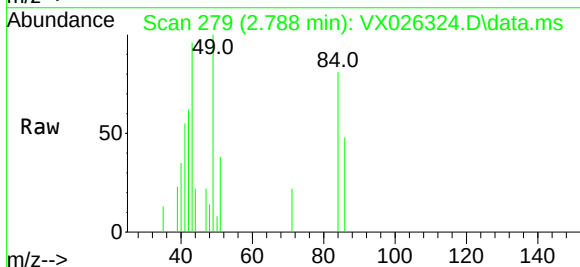
Instrument :
MSVOA_X
ClientSampleId :

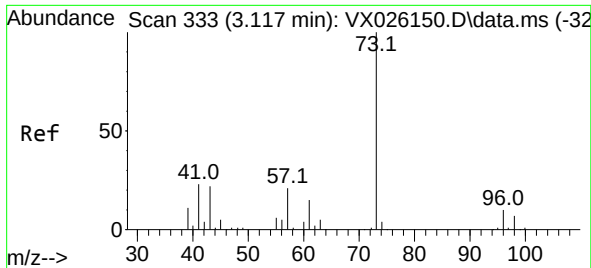
Tgt Ion: 43 Resp: 8947
Ion Ratio Lower Upper
43 100
58 22.2 24.8 37.2#



#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.079 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#

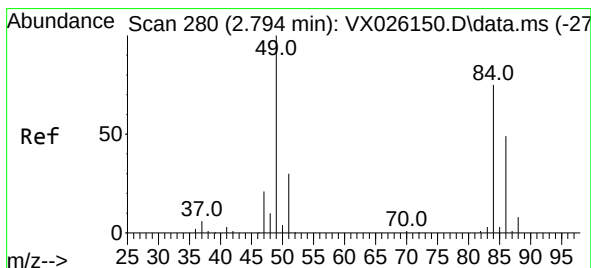
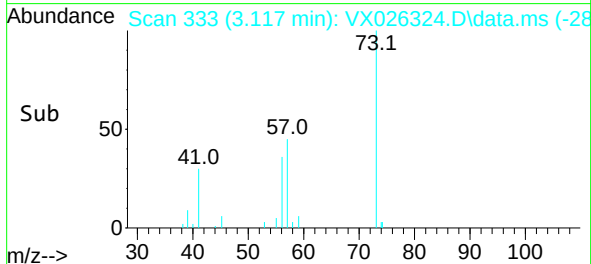
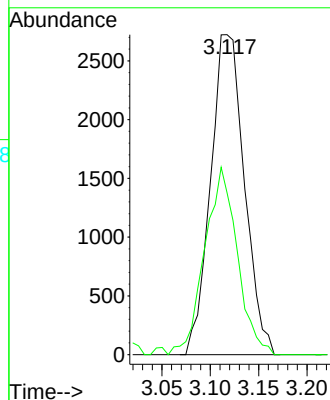
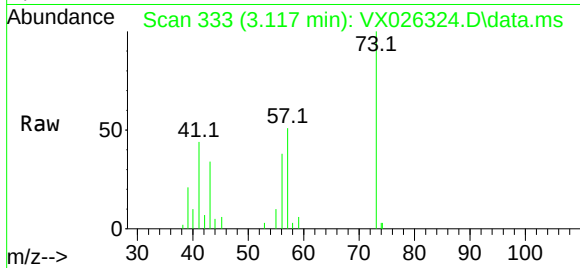




#19
Methyl tert-butyl Ether
Concen: 1.189 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

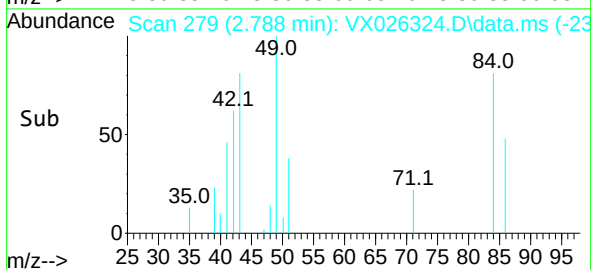
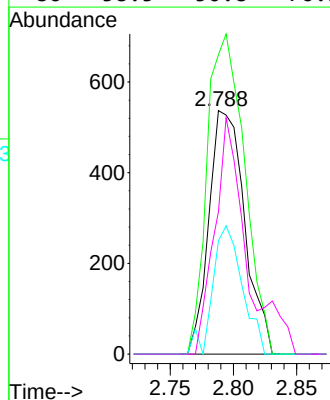
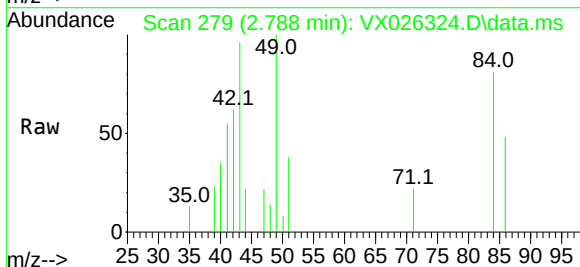
Instrument :
MSVOA_X
ClientSampleId :

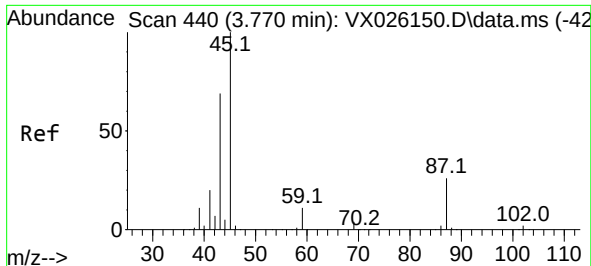
Tgt Ion: 73 Resp: 6631
Ion Ratio Lower Upper
73 100
57 50.6 17.0 25.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

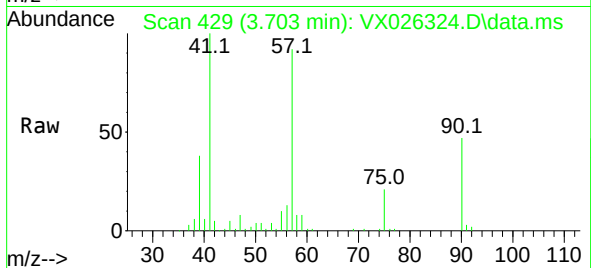
Tgt Ion: 84 Resp: 1055
Ion Ratio Lower Upper
84 100
49 122.9 97.1 145.7
51 46.6 29.3 43.9#
86 58.5 50.8 76.2



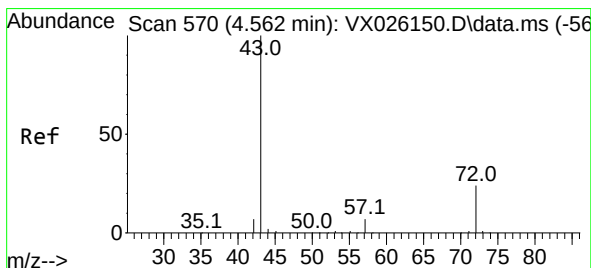
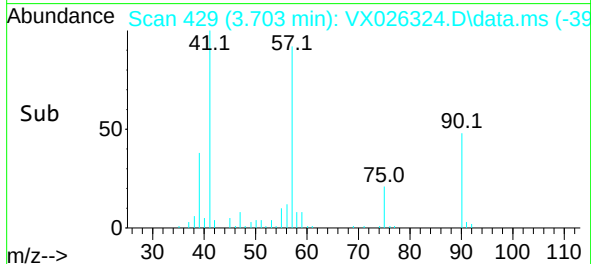
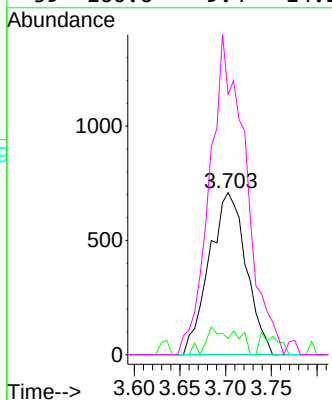


#22
Diisopropyl ether
Concen: 0.331 ug/l
RT: 3.703 min Scan# 41
Delta R.T. -0.067 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :

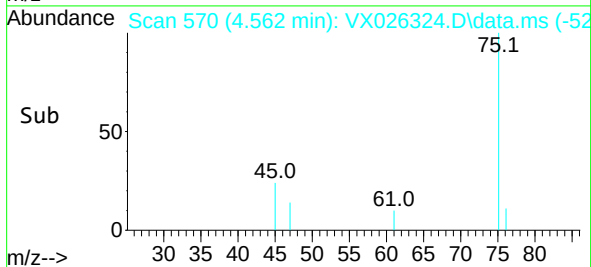
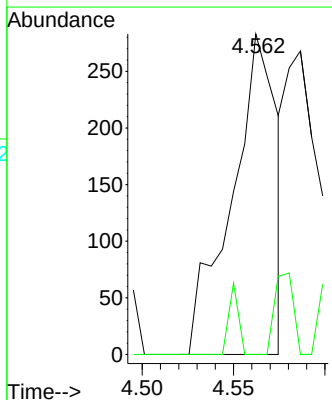
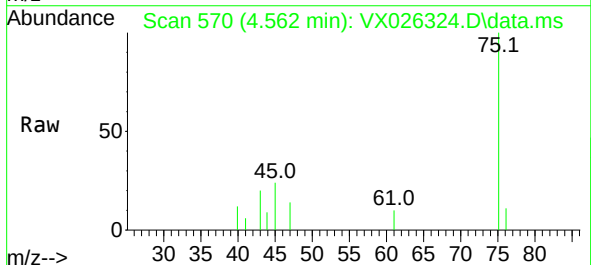


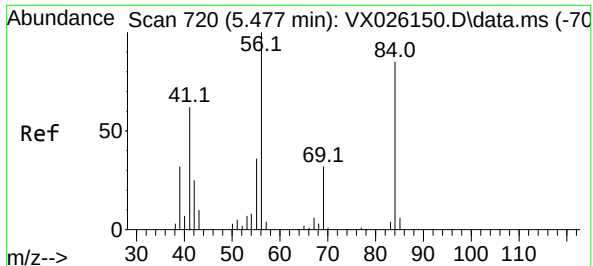
Tgt Ion:	45	Resp:	1995
Ion	Ratio	Lower	Upper
45	100		
43	10.0	63.8	95.6#
87	0.0	24.2	36.4#
59	160.6	9.4	14.2#



#25
2-Butanone
Concen: 0.307 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

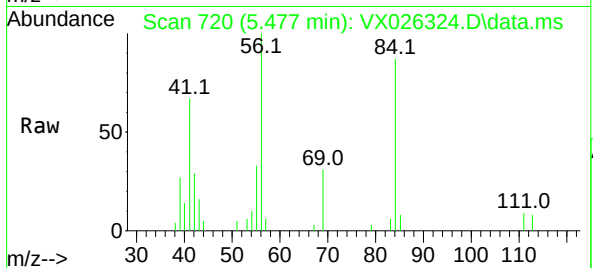
Tgt Ion:	43	Resp:	484
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#



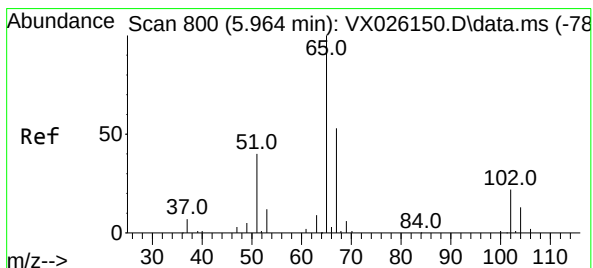
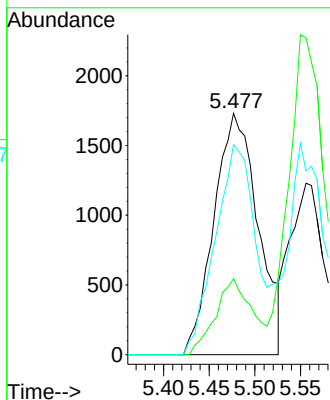
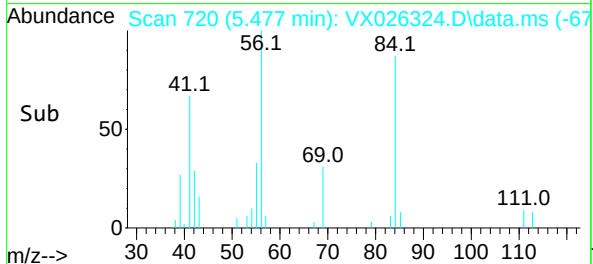


#31
Cyclohexane
Concen: 1.958 ug/l
RT: 5.477 min Scan# 720
Delta R.T. -0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :

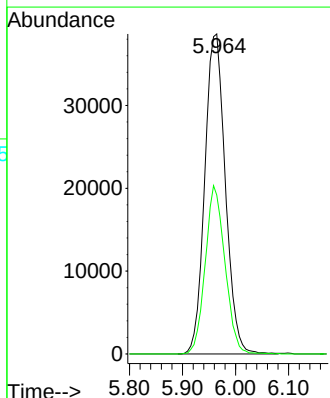
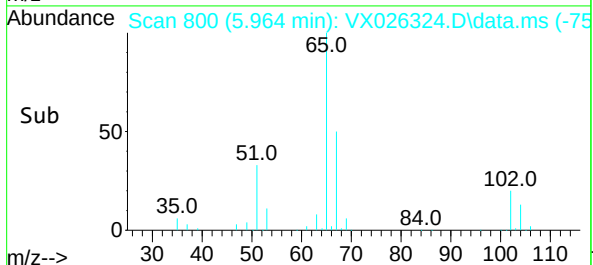
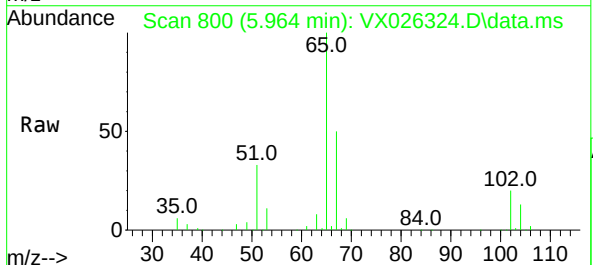


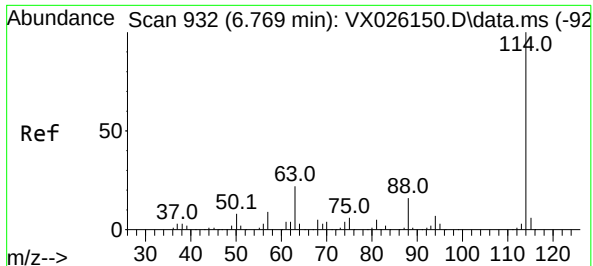
Tgt Ion: 56 Resp: 5817
Ion Ratio Lower Upper
56 100
69 31.5 23.9 35.9
84 87.1 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 49.969 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

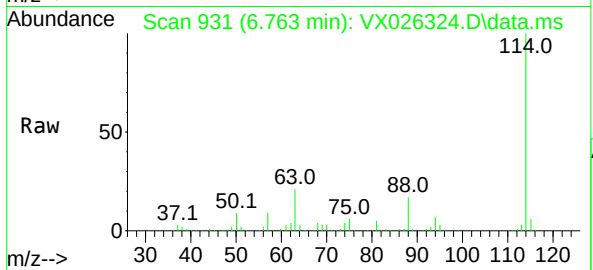
Tgt Ion: 65 Resp: 104219
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.4



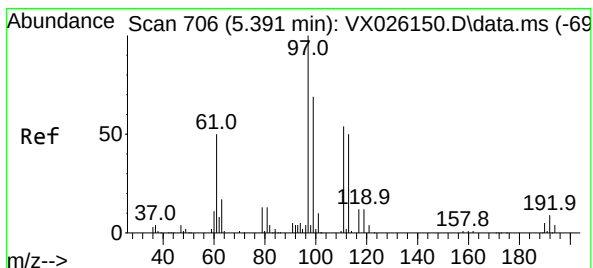
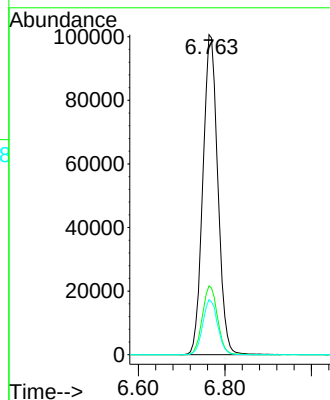
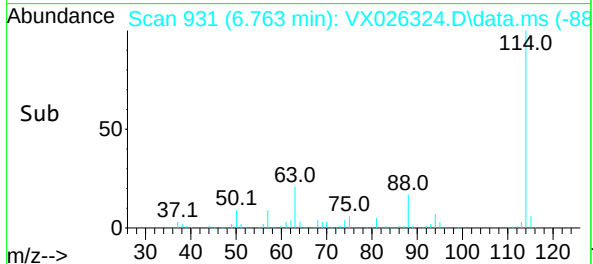


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :

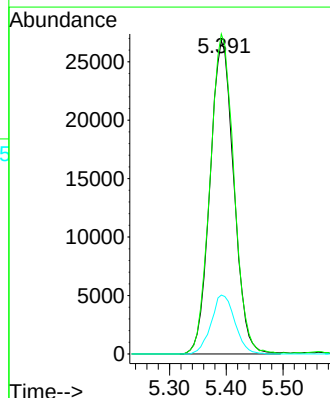
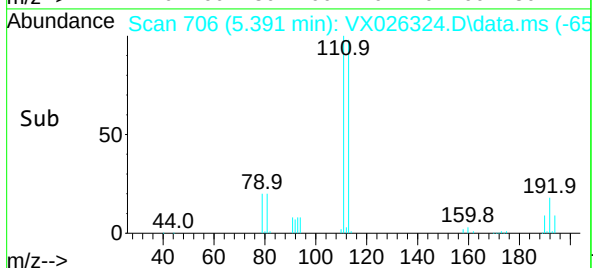
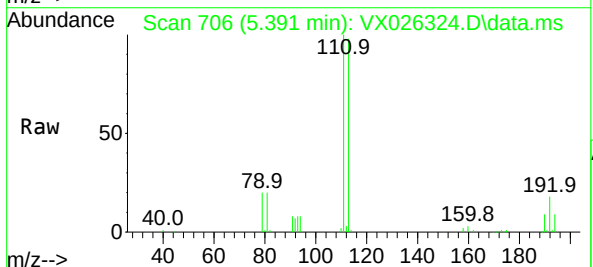


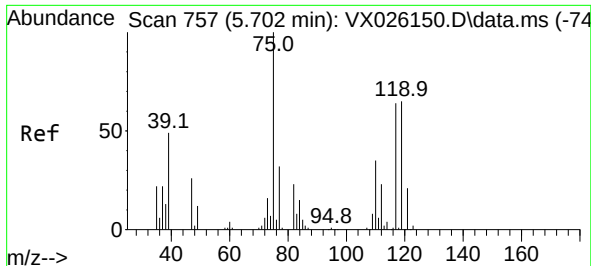
Tgt Ion:114 Resp: 240837
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.0
88 17.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.785 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Tgt Ion:113 Resp: 77951
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 18.8 15.0 22.4

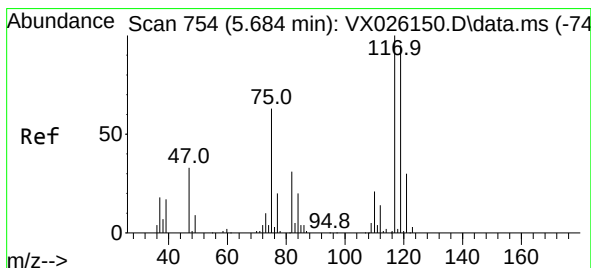
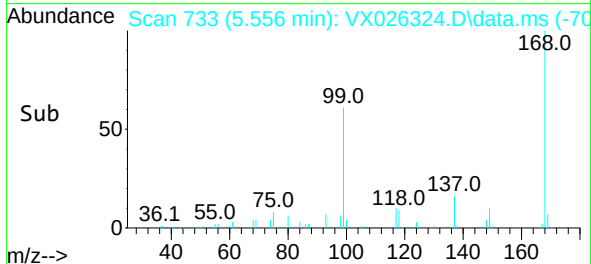
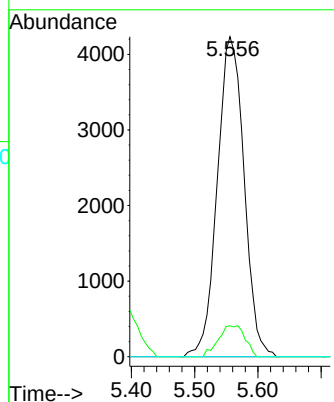
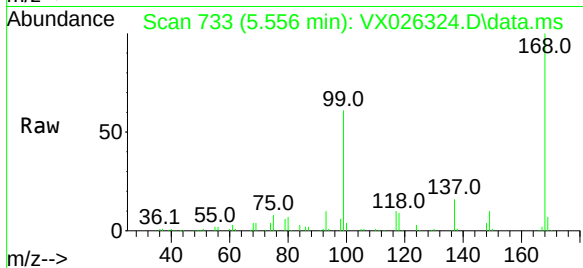




#36
1,1-Dichloropropene
Concen: 4.919 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

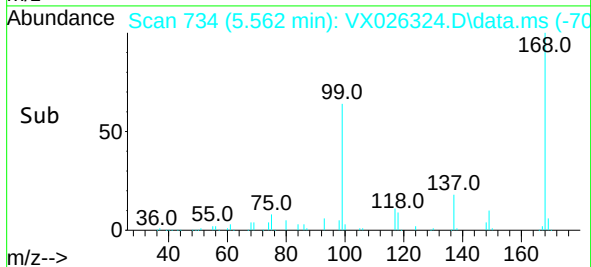
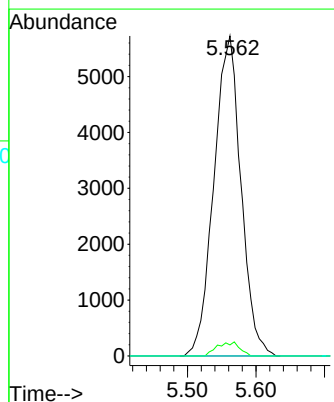
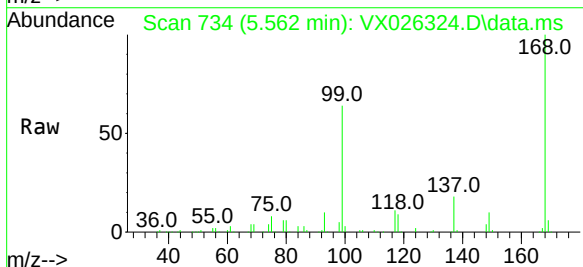
Instrument :
MSVOA_X
ClientSampleId :

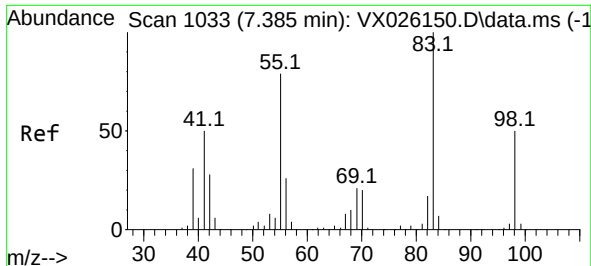
Tgt Ion: 75 Resp: 12422
Ion Ratio Lower Upper
75 100
110 9.6 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.596 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

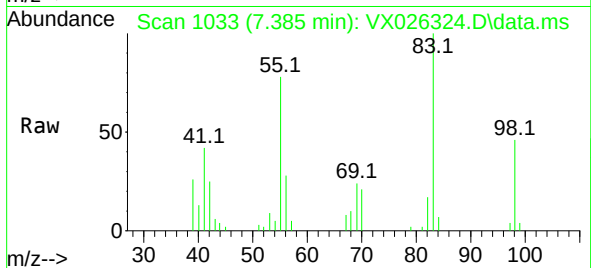
Tgt Ion: 117 Resp: 15721
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 23.8 35.8#



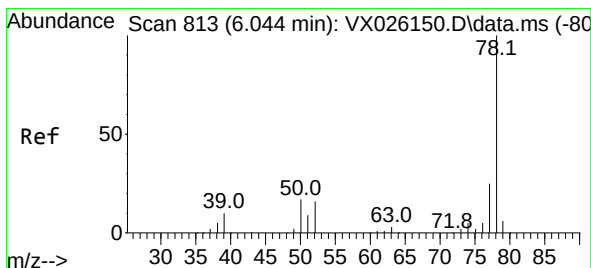
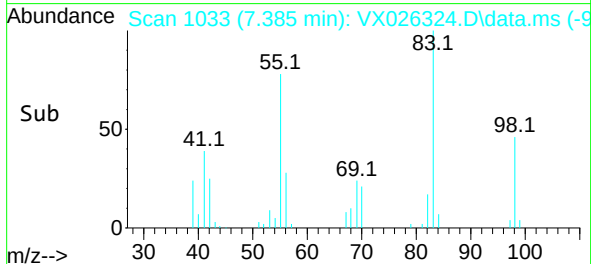
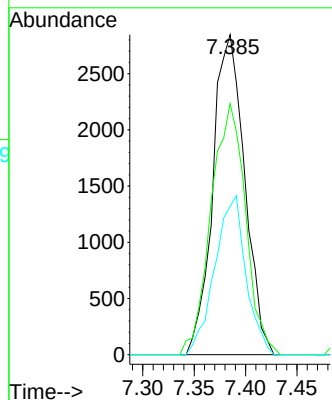


#39
Methylcyclohexane
Concen: 2.155 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :

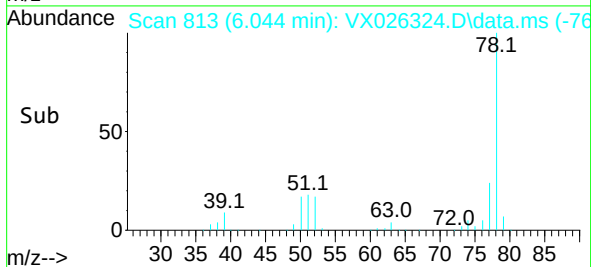
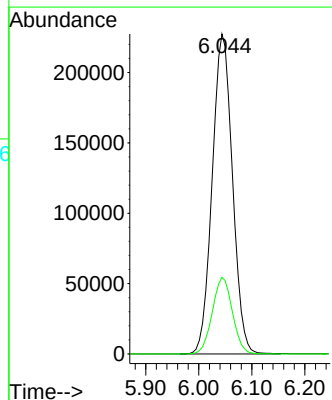
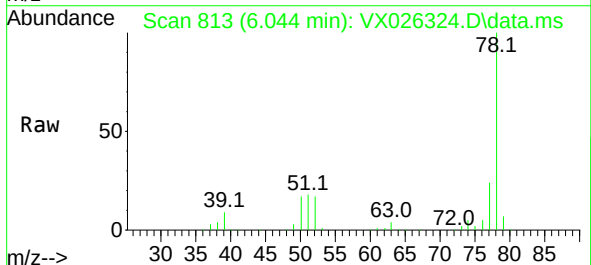


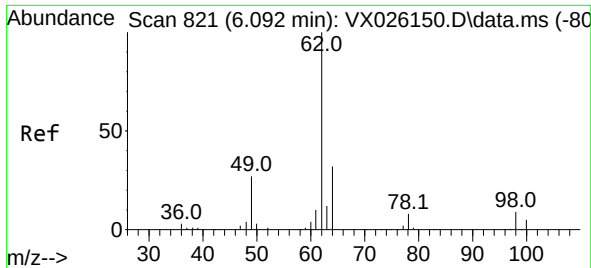
Tgt Ion: 83	Resp: 6140
Ion Ratio	Lower Upper
83 100	
55 78.5	57.8 86.8
98 46.4	40.5 60.7



#40
Benzene
Concen: 83.622 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Tgt Ion: 78	Resp: 602710
Ion Ratio	Lower Upper
78 100	
77 23.9	18.6 27.8





#42

1,2-Dichloroethane

Concen: 2.008 ug/l

RT: 6.044 min Scan# 81

Delta R.T. -0.048 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

Instrument :

MSVOA_X

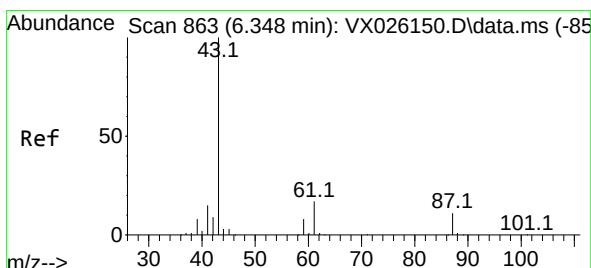
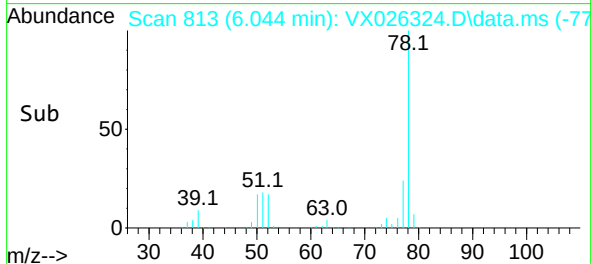
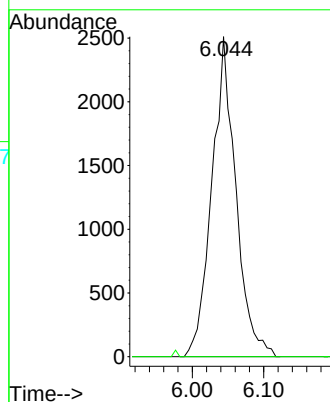
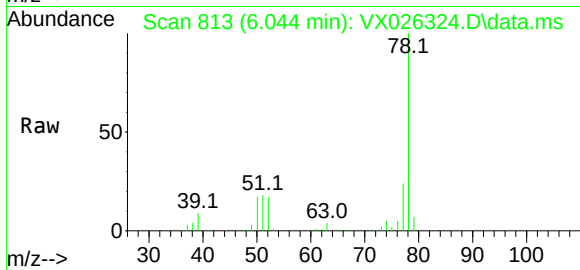
ClientSampleId :

Tgt Ion: 62 Resp: 5857

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.8



#43

Isopropyl Acetate

Concen: 0.263 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.007 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

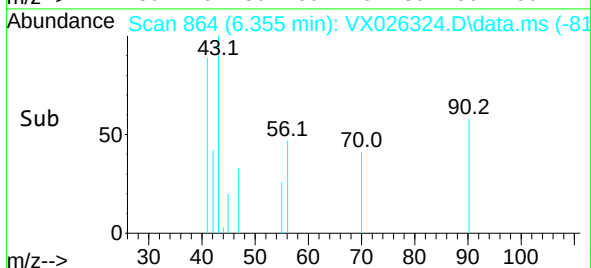
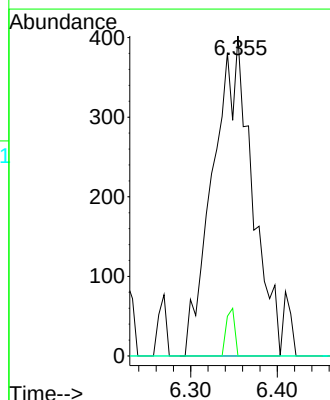
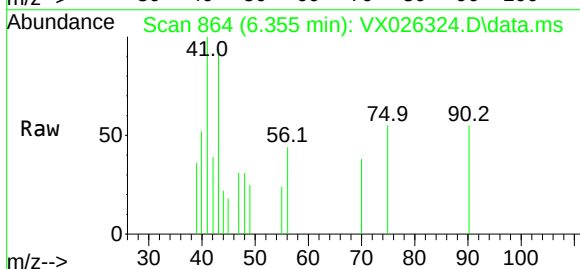
Tgt Ion: 43 Resp: 1256

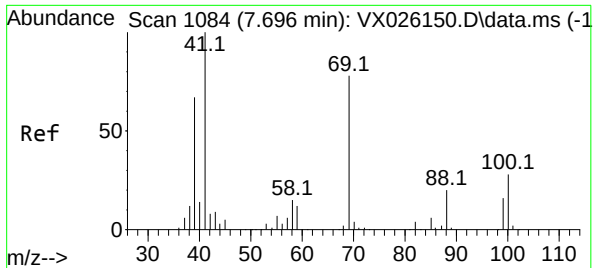
Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

87 0.0 11.2 16.8#

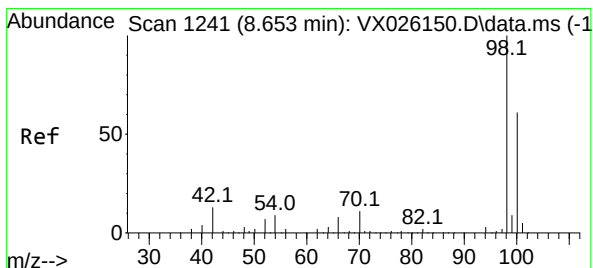
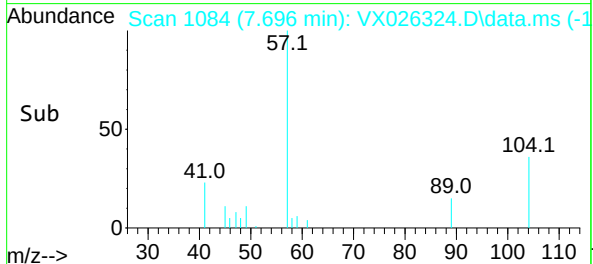
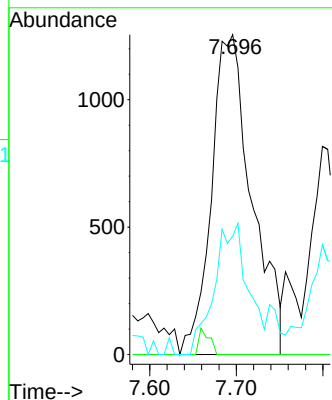
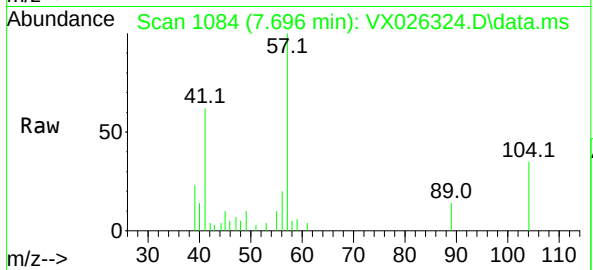




#48
Methyl methacrylate
Concen: 1.777 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

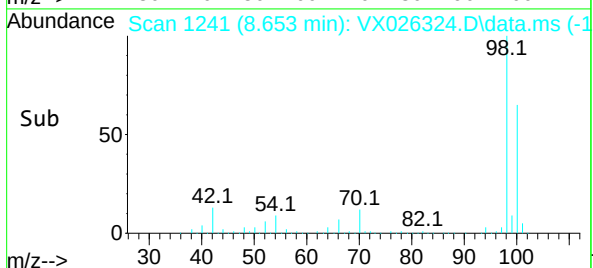
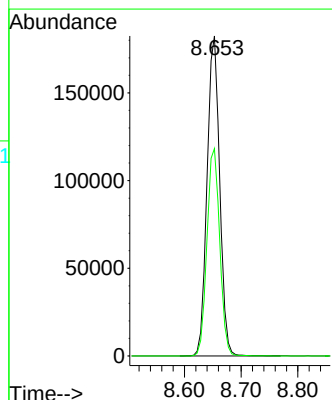
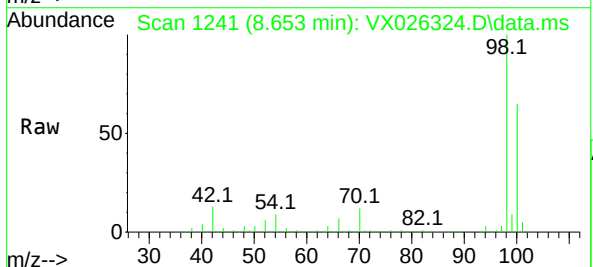
Instrument :
MSVOA_X
ClientSampleId :

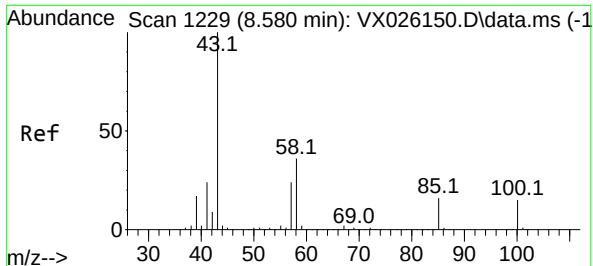
Tgt Ion: 41 Resp: 4067
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 34.2 50.2 75.2#



#50
Toluene-d8
Concen: 48.382 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Tgt Ion: 98 Resp: 281779
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.427 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

Instrument :

MSVOA_X

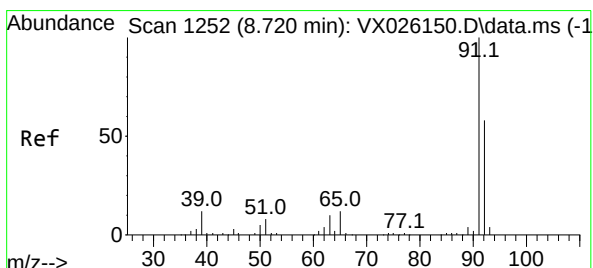
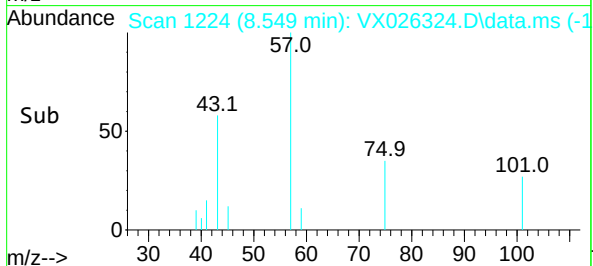
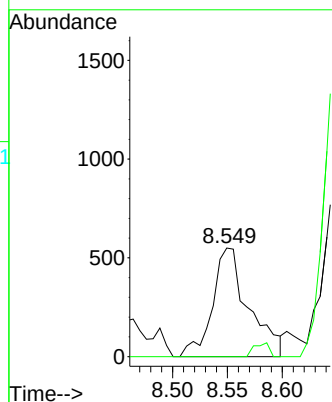
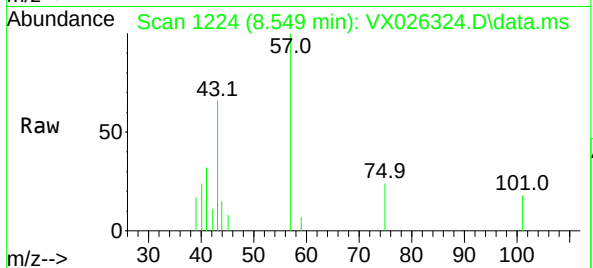
ClientSampleId :

Tgt Ion: 43 Resp: 1268

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#



#52

Toluene

Concen: 49.346 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026324.D

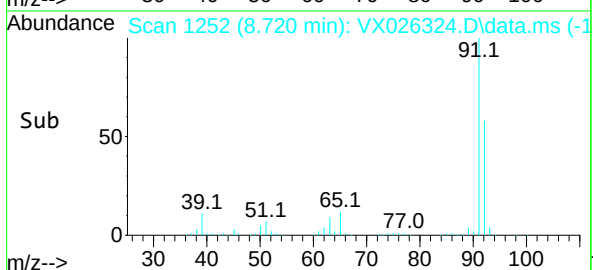
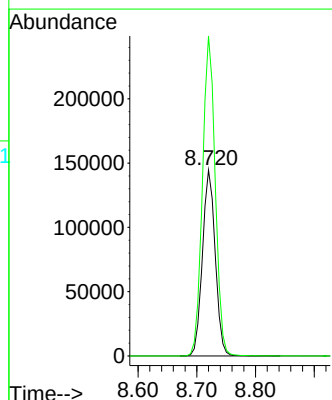
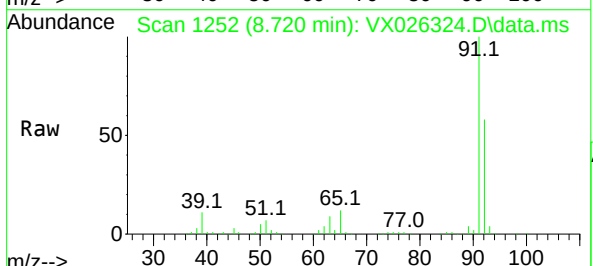
Acq: 05 Jan 2022 16:00

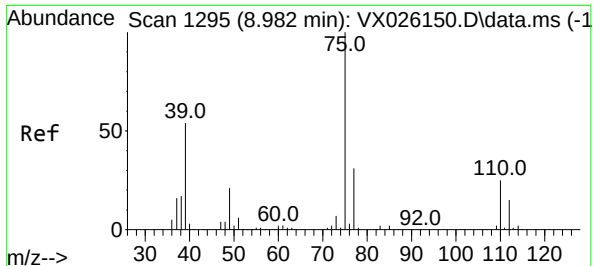
Tgt Ion: 92 Resp: 218953

Ion Ratio Lower Upper

92 100

91 171.7 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 1.975 ug/l

RT: 9.128 min Scan# 11

Delta R.T. 0.146 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

Instrument :

MSVOA_X

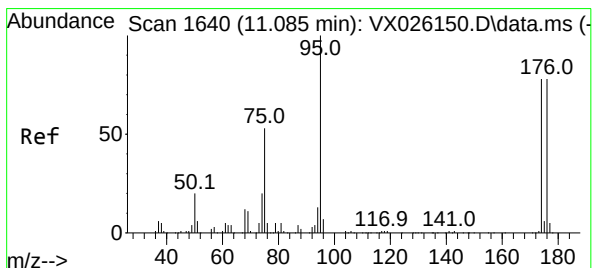
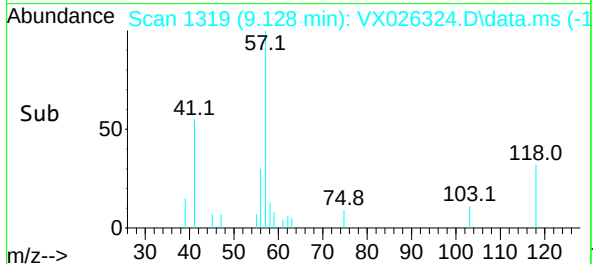
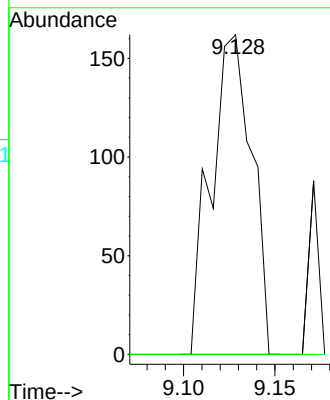
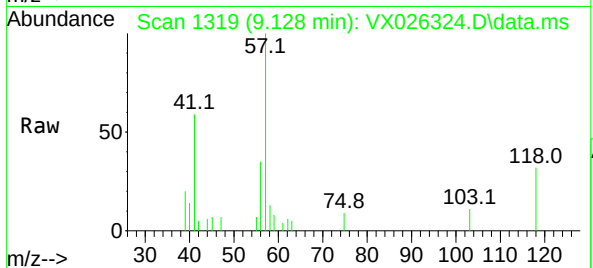
ClientSampleId :

Tgt Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#62

4-Bromofluorobenzene

Concen: 52.314 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

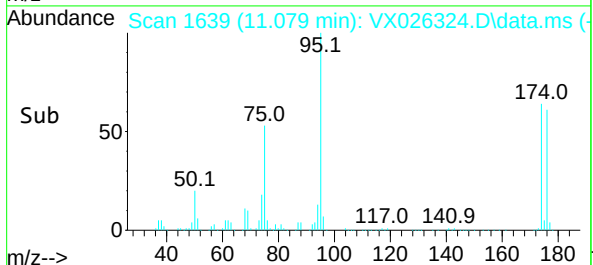
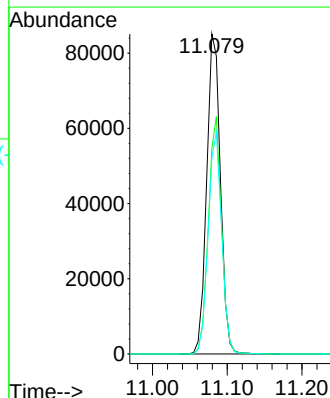
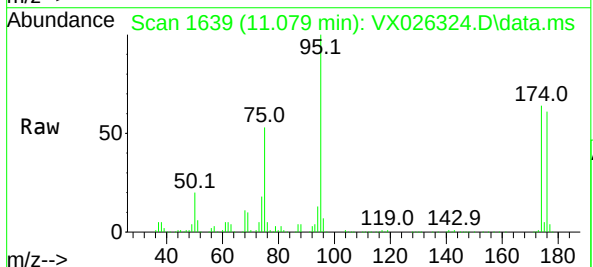
Tgt Ion: 95 Resp: 108462

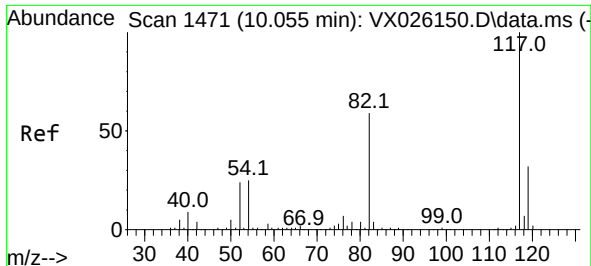
Ion Ratio Lower Upper

95 100

174 71.4 0.0 157.4

176 68.2 0.0 154.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026324.D

Acq: 05 Jan 2022 16:00

Instrument :

MSVOA_X

ClientSampleId :

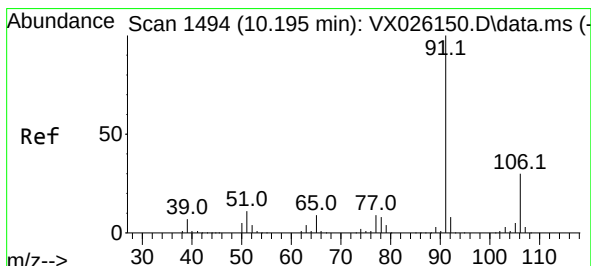
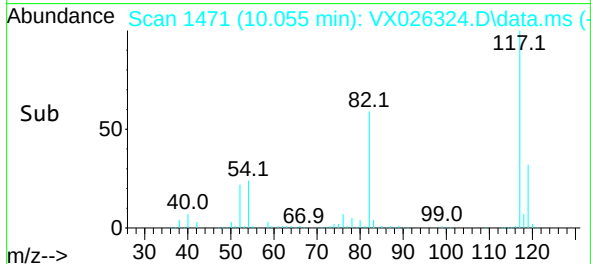
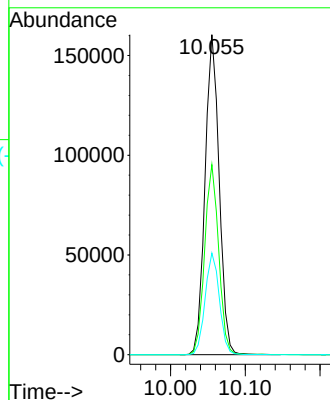
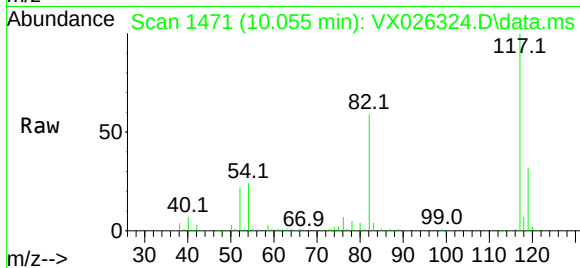
Tgt Ion:117 Resp: 210610

Ion Ratio Lower Upper

117 100

82 59.4 43.8 65.6

119 31.7 25.2 37.8



#67

Ethyl Benzene

Concen: 2.367 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX026324.D

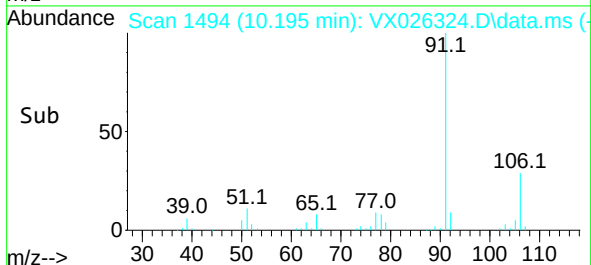
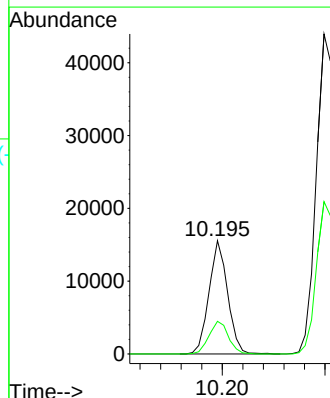
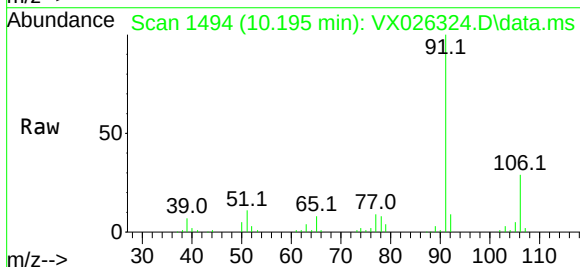
Acq: 05 Jan 2022 16:00

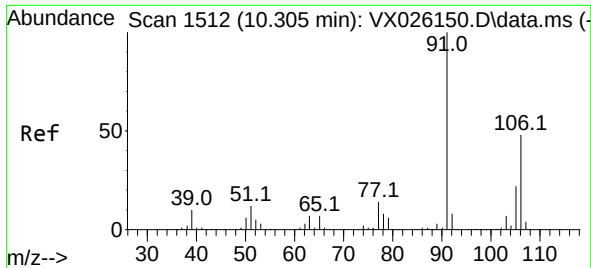
Tgt Ion: 91 Resp: 19579

Ion Ratio Lower Upper

91 100

106 28.9 25.7 38.5

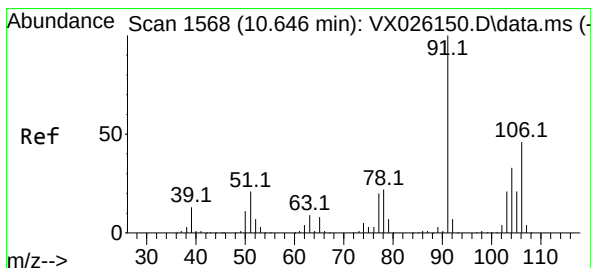
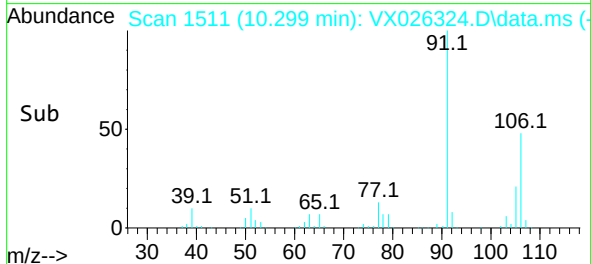
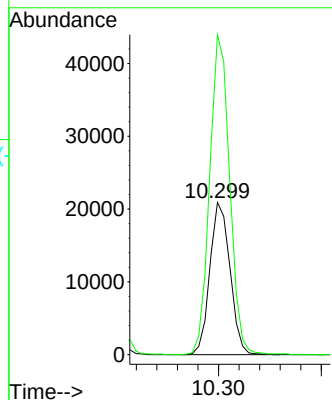
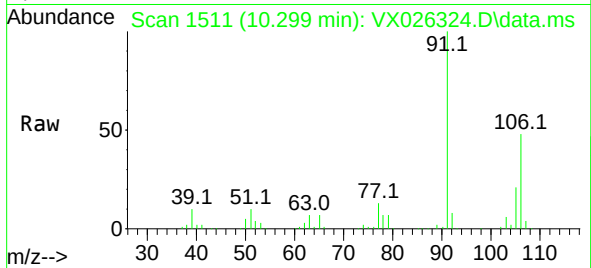




#68
m/p-Xylenes
Concen: 9.208 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

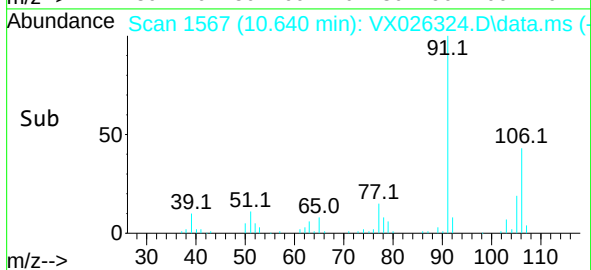
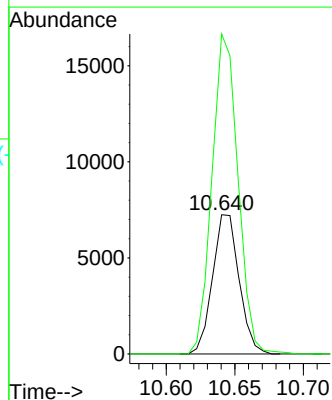
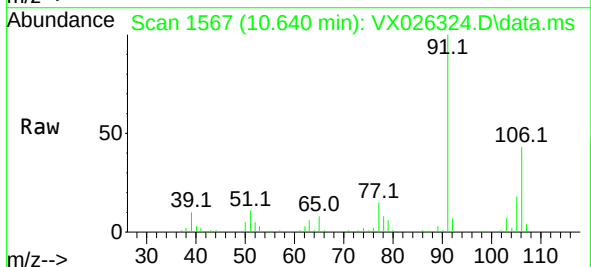
Instrument :
MSVOA_X
ClientSampleId :

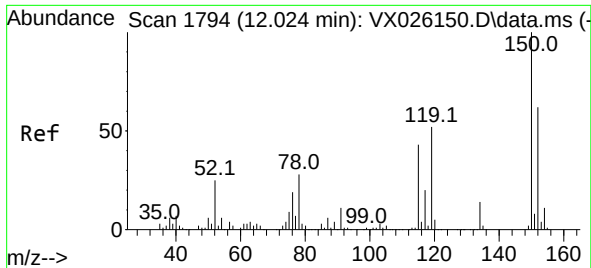
Tgt Ion:106 Resp: 28441
Ion Ratio Lower Upper
106 100
91 208.8 158.6 238.0



#69
o-Xylene
Concen: 3.231 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

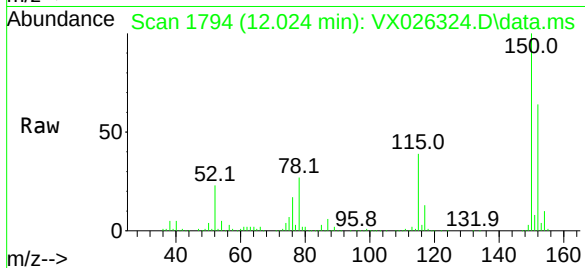
Tgt Ion:106 Resp: 9766
Ion Ratio Lower Upper
106 100
91 225.5 105.5 316.4



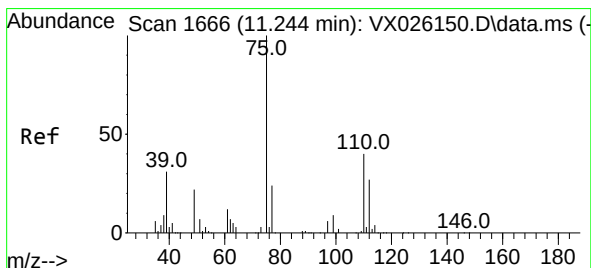
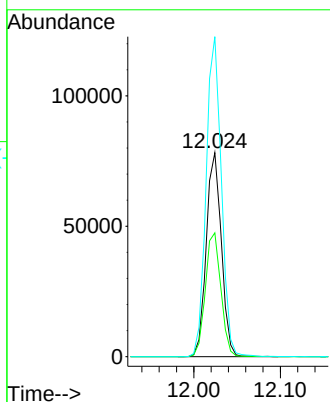
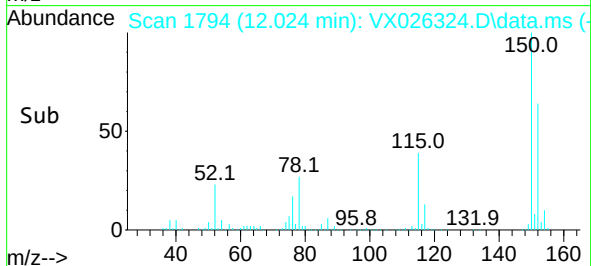


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026324.D
 Acq: 05 Jan 2022 16:00

Instrument :
 MSVOA_X
 ClientSampleId :

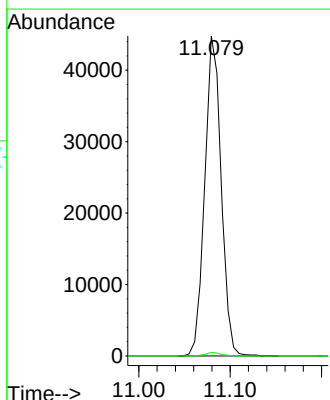
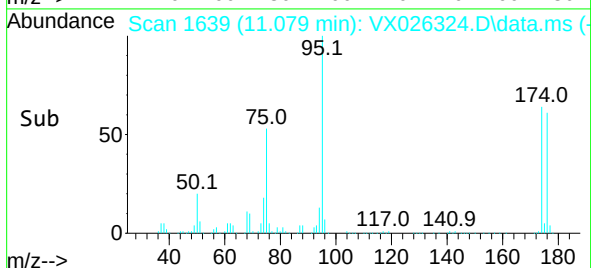
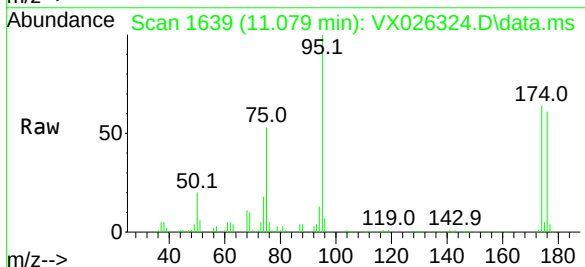


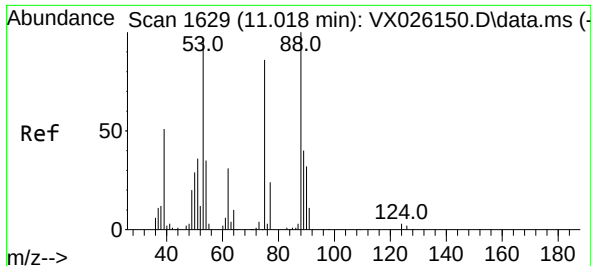
Tgt Ion:152 Resp: 94843
 Ion Ratio Lower Upper
 152 100
 115 62.4 41.3 123.9
 150 158.4 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 24.336 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026324.D
 Acq: 05 Jan 2022 16:00

Tgt Ion: 75 Resp: 55711
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.0 57.0#

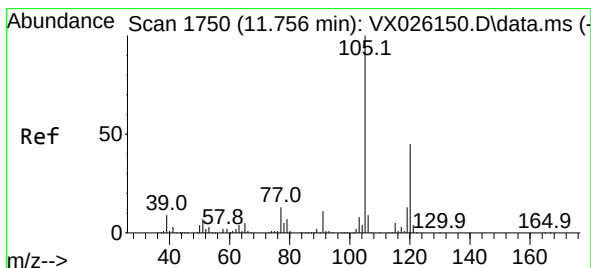
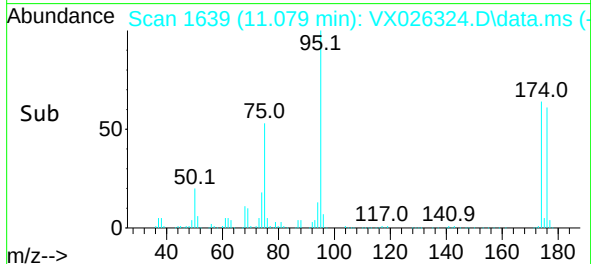
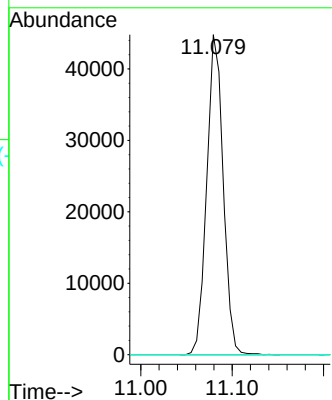
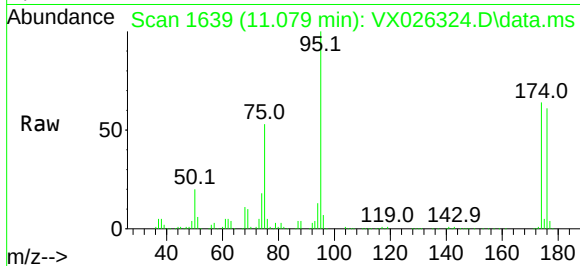




#81
trans-1,4-Dichloro-2-butene
Concen: 70.403 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 55711
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.306 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX026324.D
Acq: 05 Jan 2022 16:00

Tgt Ion: 105 Resp: 1870
Ion Ratio Lower Upper
105 100
120 44.8 22.9 68.7

