

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010322\
 Data File : VX026220.D
 Acq On : 03 Jan 2022 15:14
 Operator : JC/MD
 Sample : M5257-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

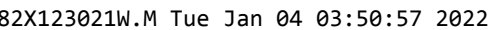
Quant Time: Jan 04 03:50:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

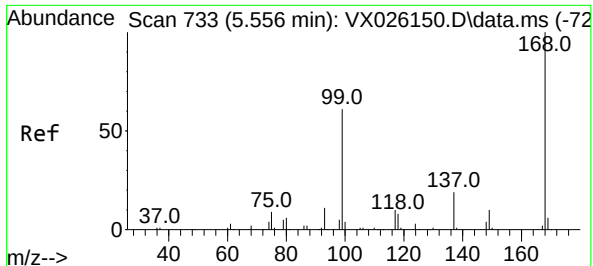
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	178312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	309062	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136992	53.105	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.200%			
35) Dibromofluoromethane	5.391	113	102541	51.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.060%			
50) Toluene-d8	8.653	98	365728	48.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.860%			
62) 4-Bromofluorobenzene	11.079	95	134515	50.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.120%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	2293	4.450	ug/l #	75
16) Acetone	2.380	43	13744	9.833	ug/l #	88
18) Methyl Acetate	2.709	43	1245	0.275	ug/l #	80
20) Methylene Chloride	2.794	84	7609	2.507	ug/l	87
25) 2-Butanone	4.568	43	5543	2.847	ug/l	99
29) Tetrahydrofuran	5.031	42	598	0.487	ug/l #	66
31) Cyclohexane	5.550	56	4592	1.250	ug/l #	27
36) 1,1-Dichloropropene	5.556	75	15656	4.831	ug/l #	49
38) Carbon Tetrachloride	5.556	117	19267	5.345	ug/l #	15
40) Benzene	6.043	78	3778	0.408	ug/l	98
43) Isopropyl Acetate	6.342	43	17992	2.938	ug/l	98
48) Methyl methacrylate	7.598	41	5536	1.885	ug/l #	12
49) 1,4-Dioxane	7.799	88	22	0.406	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	62602	16.426	ug/l #	49
52) Toluene	8.720	92	3337	0.586	ug/l	93
53) t-1,3-Dichloropropene	8.708	75	22	1.899	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25522	6.764	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	11857	2.958	ug/l #	42
59) 2-Hexanone	9.378	43	7939	2.750	ug/l #	25
68) m/p-Xylenes	10.305	106	1858	0.455	ug/l	83
69) o-Xylene	10.646	106	1209	0.303	ug/l	83
76) 1,2,3-Trichloropropane	11.079	75	72692	24.115	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2367	0.294	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	72692	69.767	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.756	105	2521	0.313	ug/l	96
95) Naphthalene	13.780	128	5543	0.574	ug/l	99

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

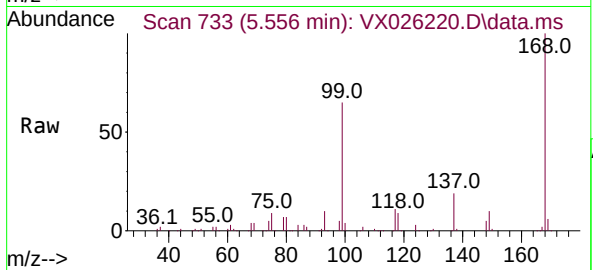
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



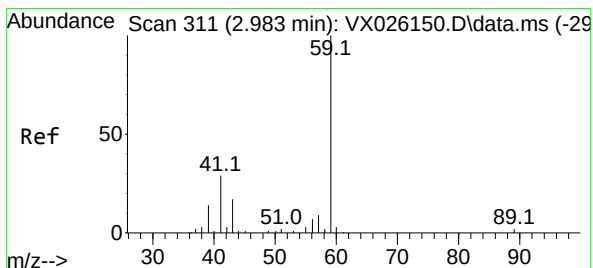
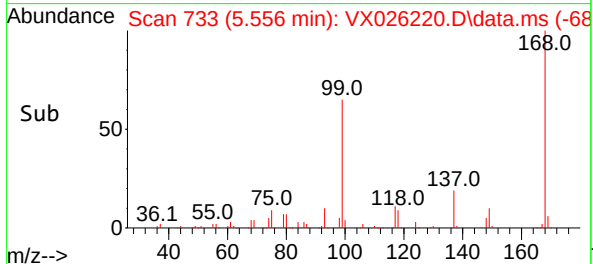
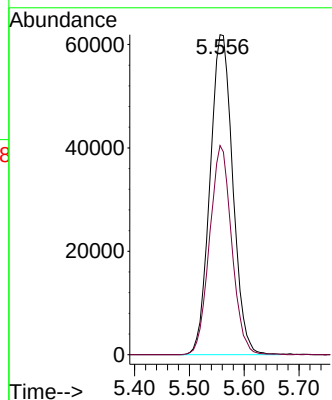


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

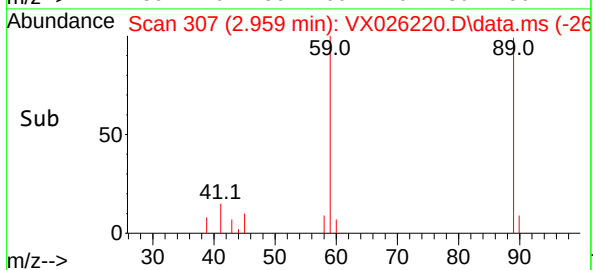
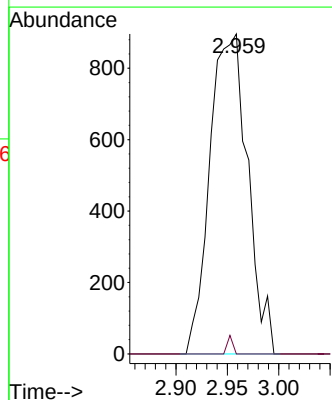
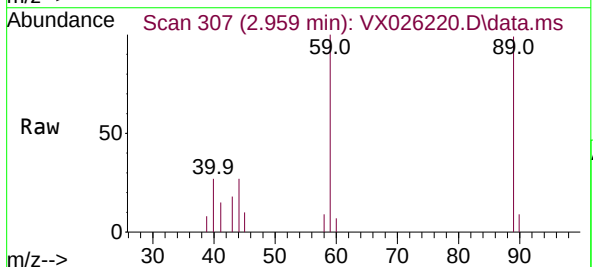


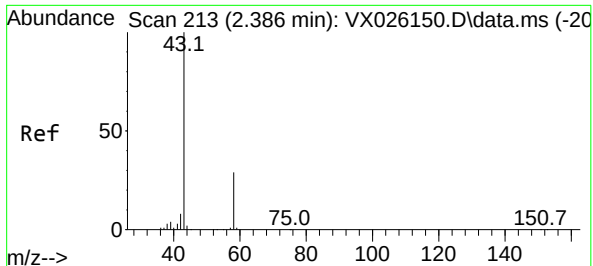
Tgt Ion:168 Resp: 178312
Ion Ratio Lower Upper
168 100
99 65.4 45.8 68.8



#11
Tert butyl alcohol
Concen: 4.450 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion: 59 Resp: 2293
Ion Ratio Lower Upper
59 100
57 0.8 8.2 12.2#

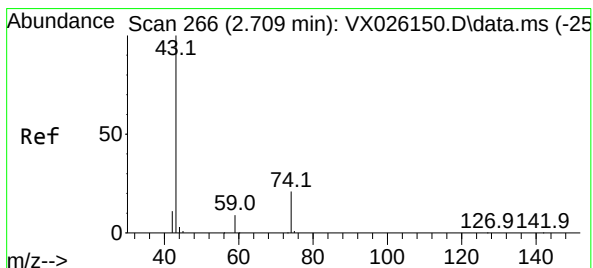
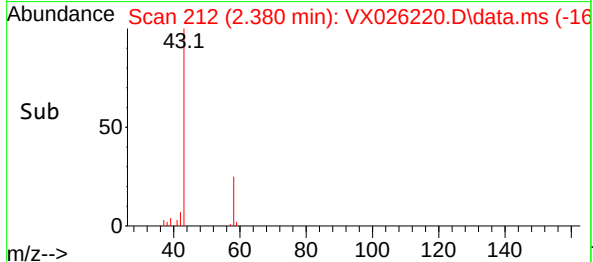
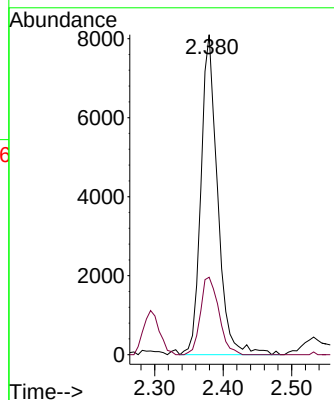
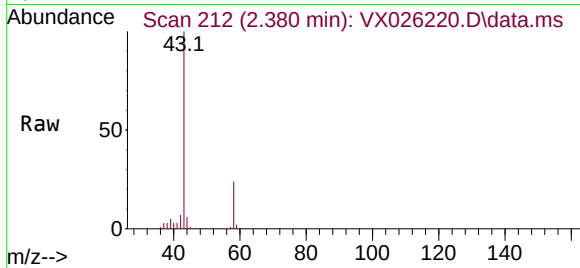




#16
Acetone
Concen: 9.833 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

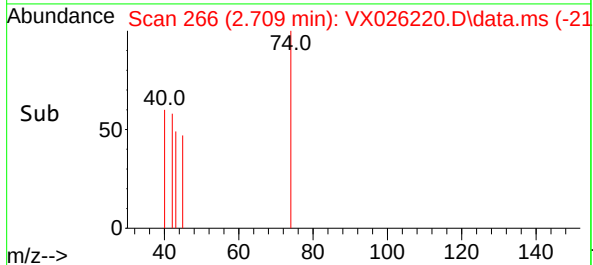
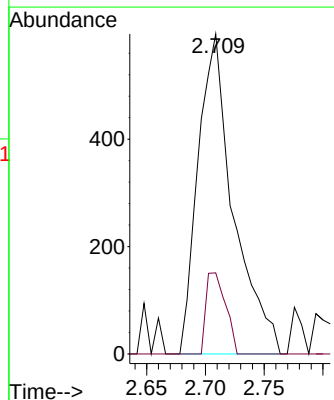
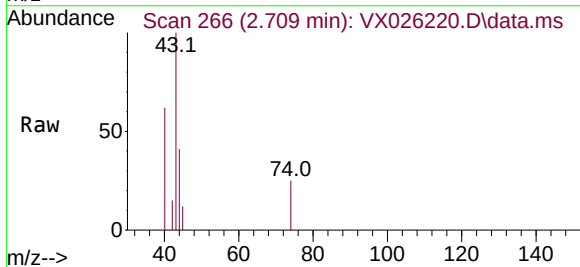
Instrument :
MSVOA_X
ClientSampleId :

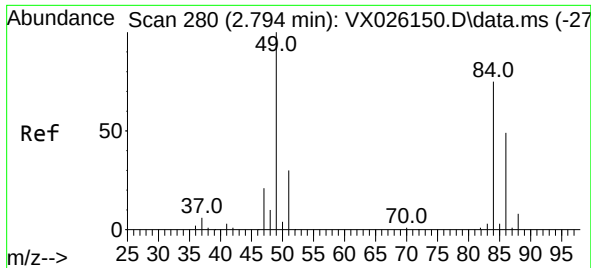
Tgt Ion: 43 Resp: 13744
Ion Ratio Lower Upper
43 100
58 24.2 24.8 37.2#



#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

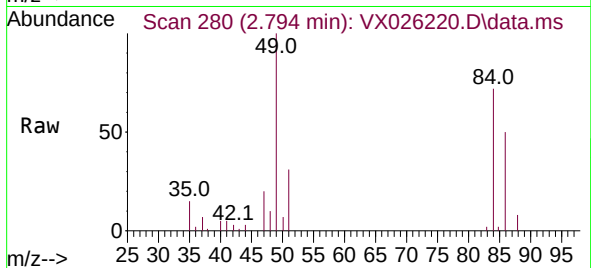
Tgt Ion: 43 Resp: 1245
Ion Ratio Lower Upper
43 100
74 14.0 19.1 28.7#



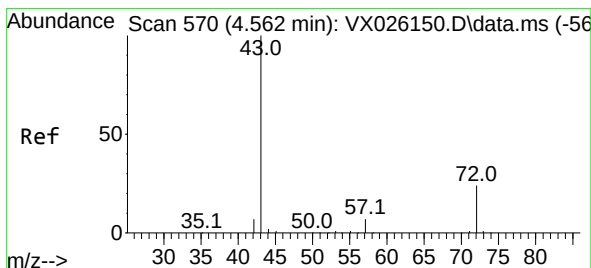
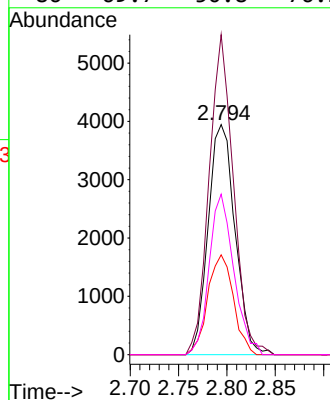
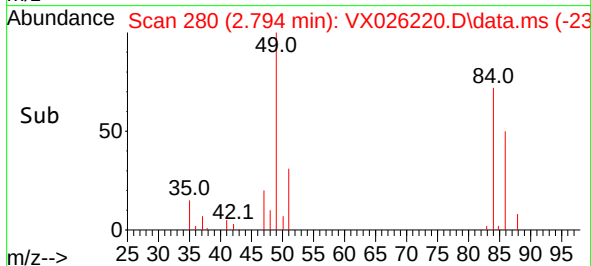


#20
Methylene Chloride
Concen: 2.507 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

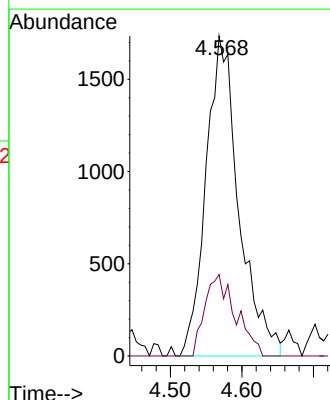
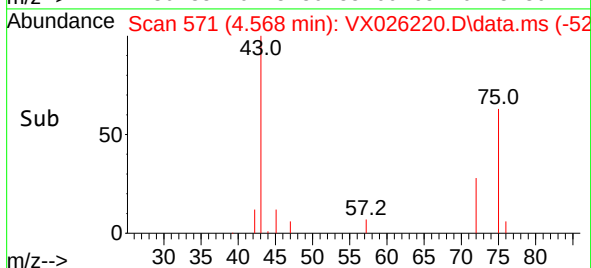
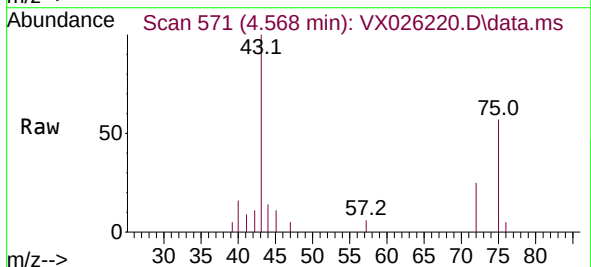


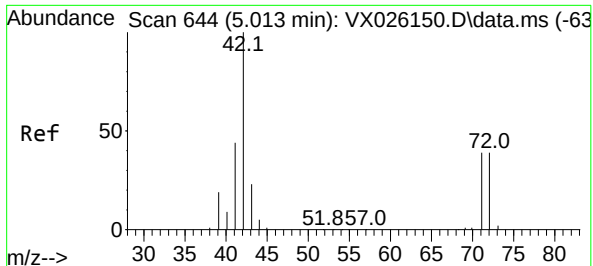
Tgt Ion: 84	Resp: 7609
Ion Ratio	Lower Upper
84 100	
49 139.1	97.1 145.7
51 43.4	29.3 43.9
86 69.7	50.8 76.2



#25
2-Butanone
Concen: 2.847 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion: 43	Resp: 5543		
Ion Ratio	Lower	Upper	
43 100			
72 25.5	21.0	31.4	





#29

Tetrahydrofuran

Concen: 0.487 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :

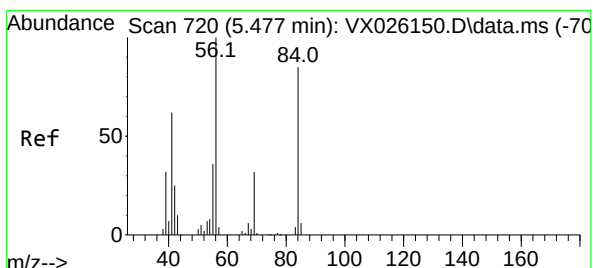
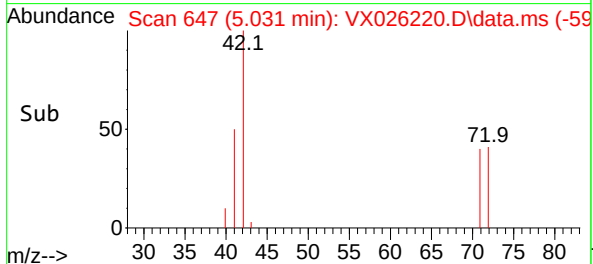
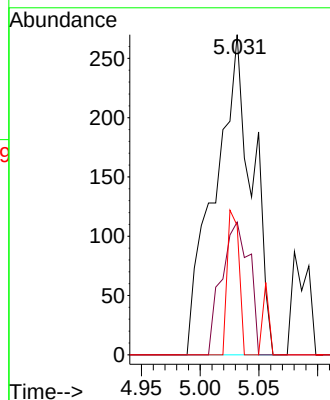
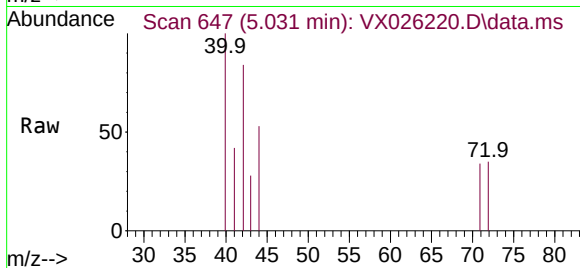
Tgt Ion: 42 Resp: 598

Ion Ratio Lower Upper

42 100

72 30.6 37.0 55.6#

71 14.0 34.1 51.1#



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

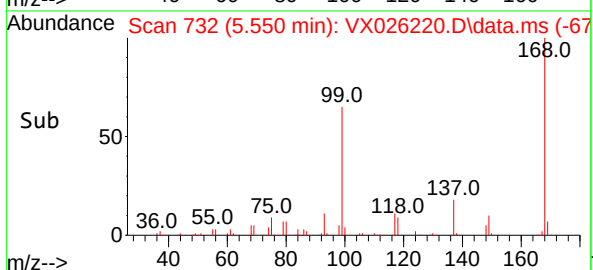
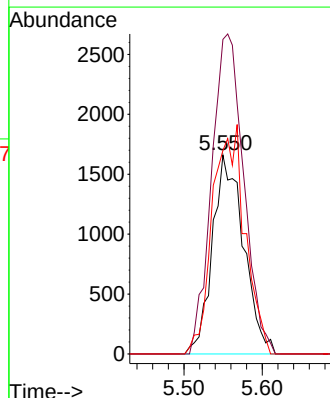
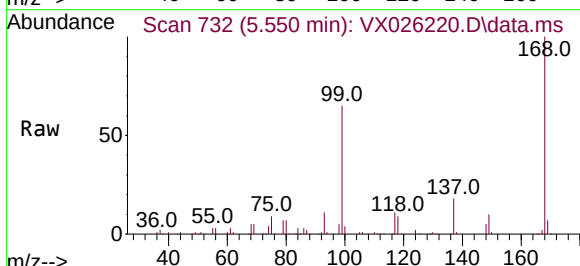
Tgt Ion: 56 Resp: 4592

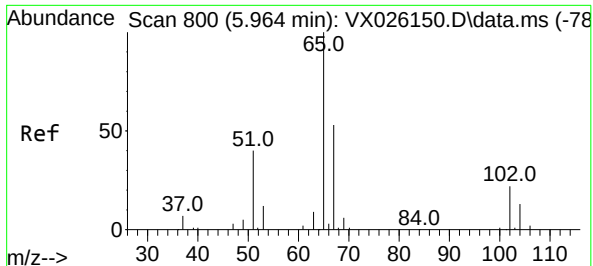
Ion Ratio Lower Upper

56 100

69 158.2 23.9 35.9#

84 110.4 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 53.105 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

Instrument :

MSVOA_X

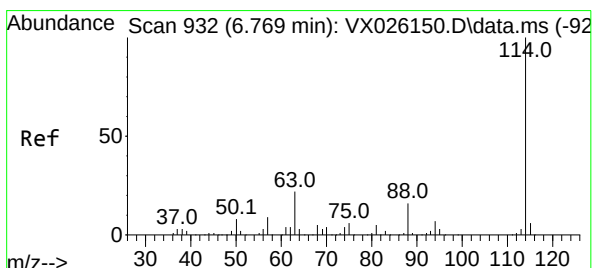
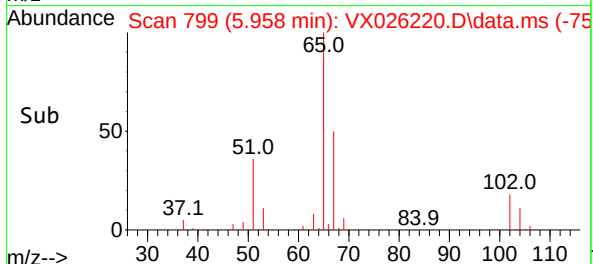
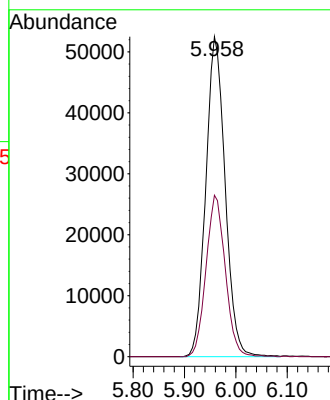
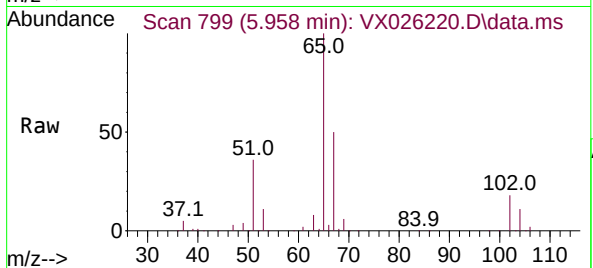
ClientSampleId :

Tgt Ion: 65 Resp: 136992

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# 931

Delta R.T. -0.006 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

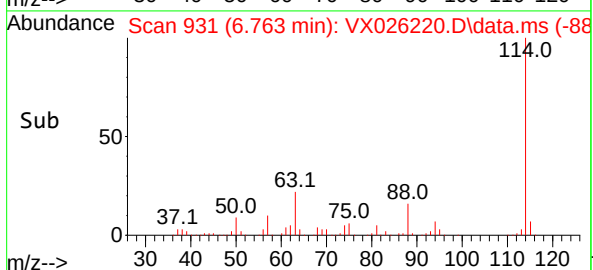
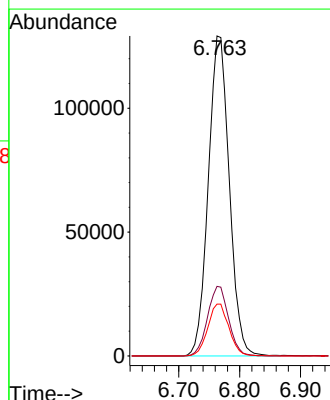
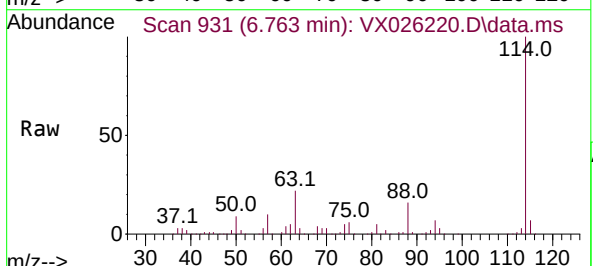
Tgt Ion: 114 Resp: 309062

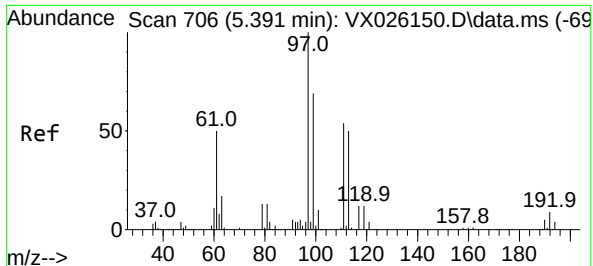
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.033 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

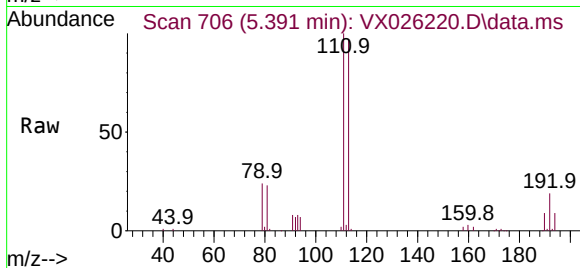
Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :



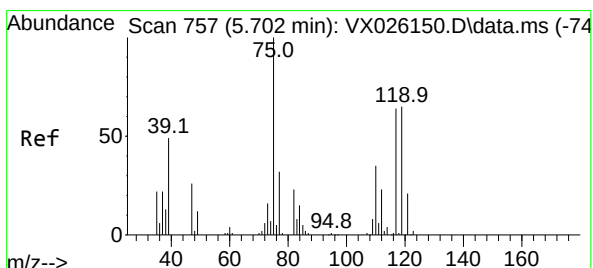
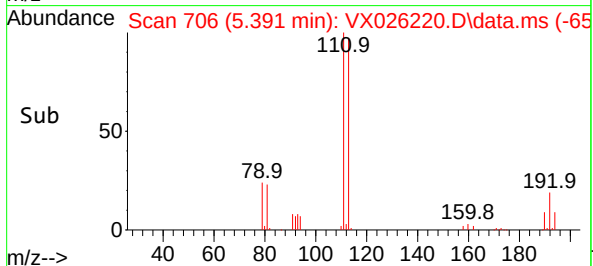
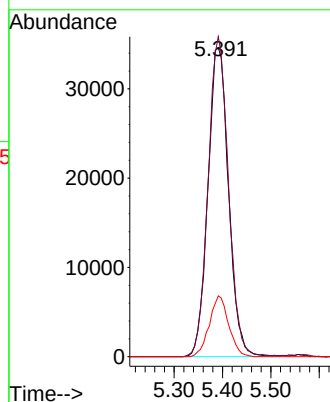
Tgt Ion:113 Resp: 102541

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

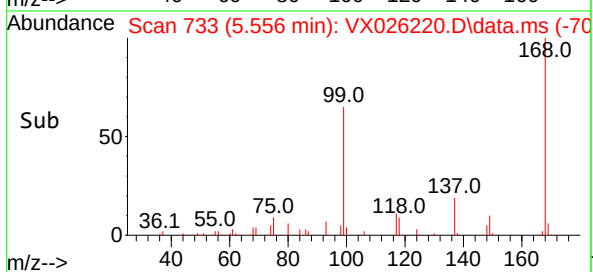
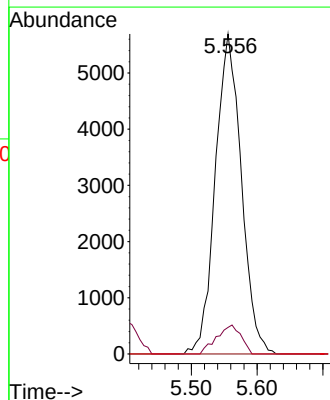
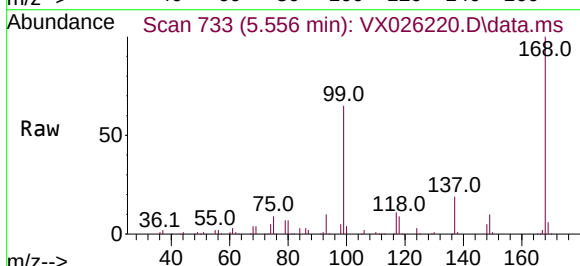
Tgt Ion: 75 Resp: 15656

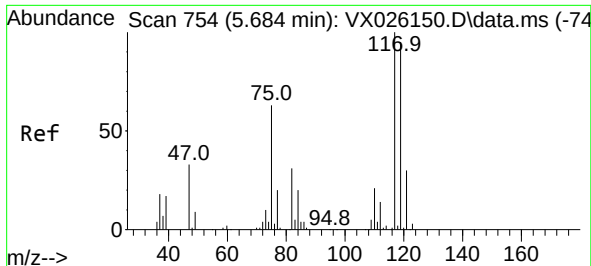
Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

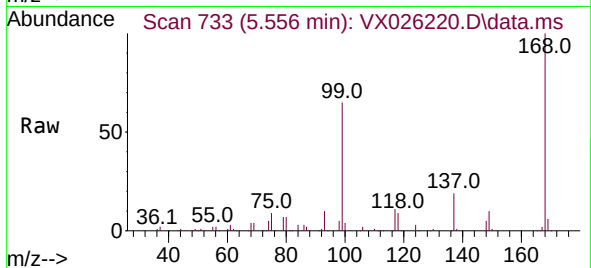
77 0.0 24.7 37.1#



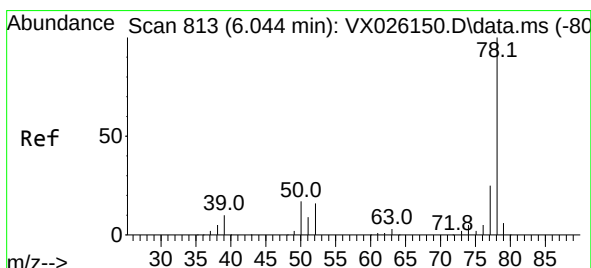
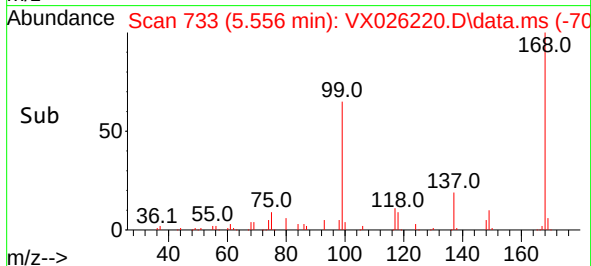
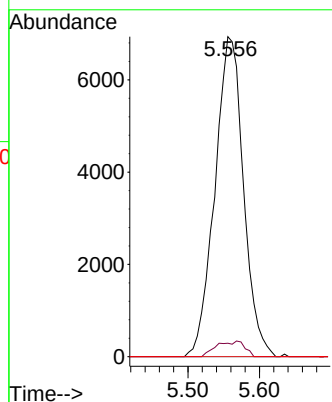


#38
Carbon Tetrachloride
Concen: 5.345 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

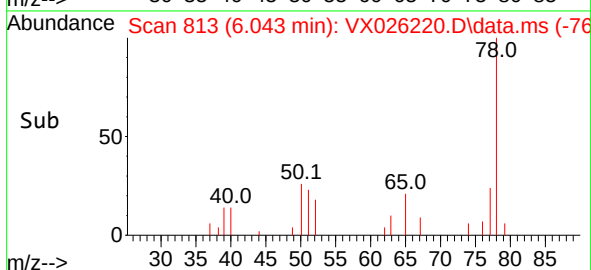
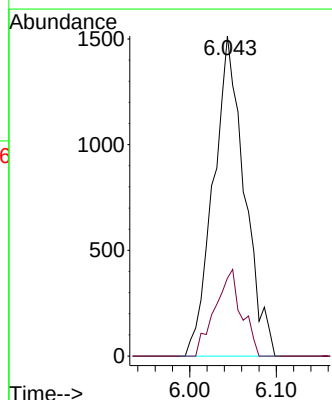
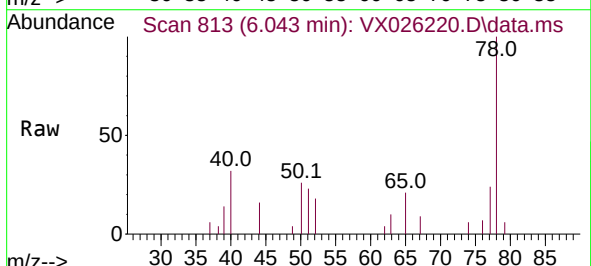


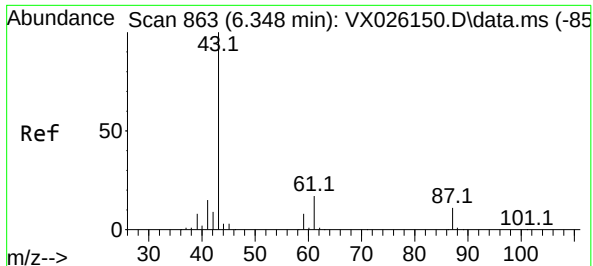
Tgt Ion:117 Resp: 19267
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 23.8 35.8#



#40
Benzene
Concen: 0.408 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion: 78 Resp: 3778
Ion Ratio Lower Upper
78 100
77 24.3 18.6 27.8

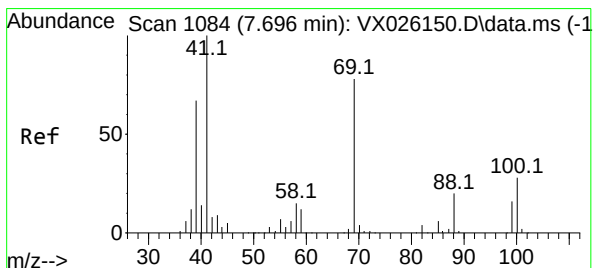
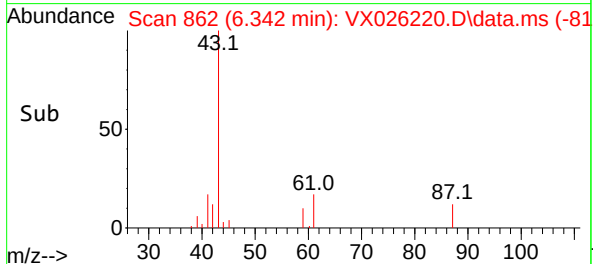
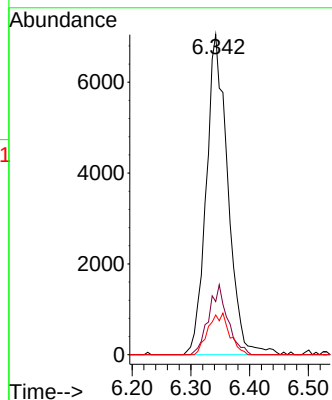
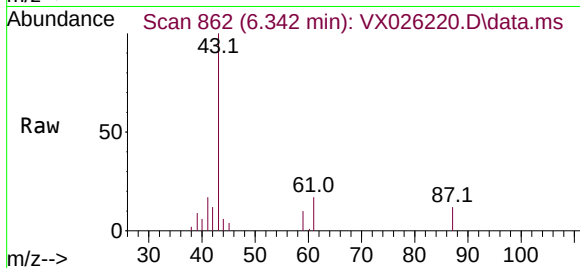




#43
Isopropyl Acetate
Concen: 2.938 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

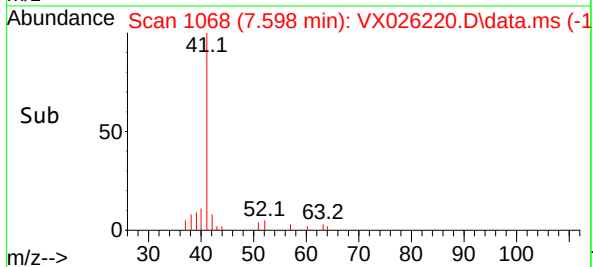
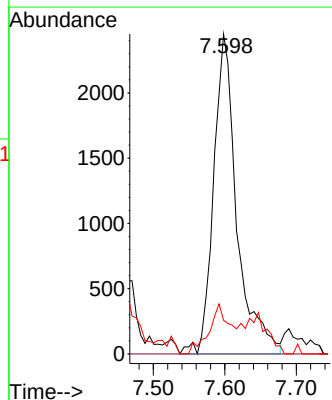
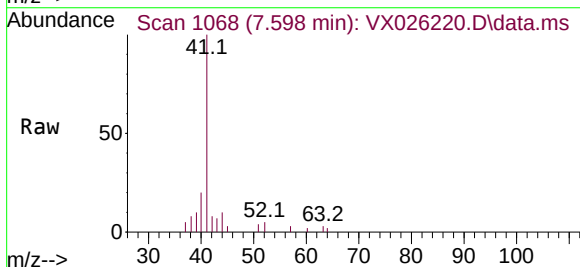
Instrument :
MSVOA_X
ClientSampleId :

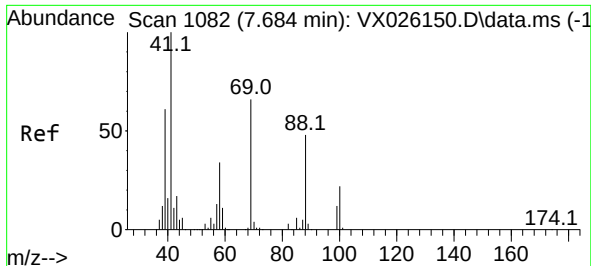
Tgt Ion: 43 Resp: 17992
Ion Ratio Lower Upper
43 100
61 19.3 15.7 23.5
87 12.8 11.2 16.8



#48
Methyl methacrylate
Concen: 1.885 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion: 41 Resp: 5536
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 0.406 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

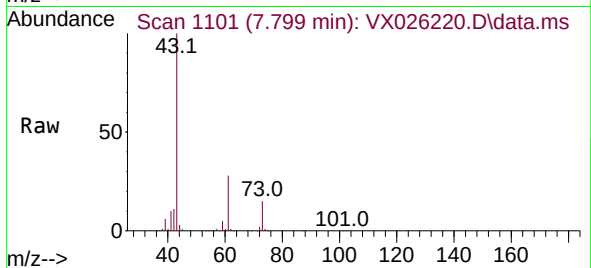
Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :



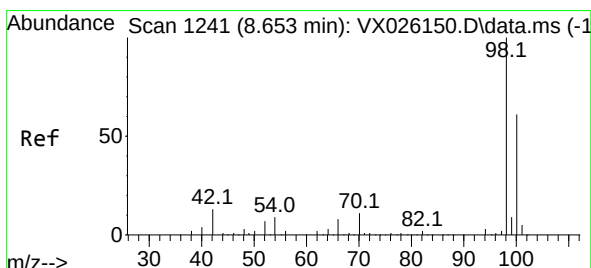
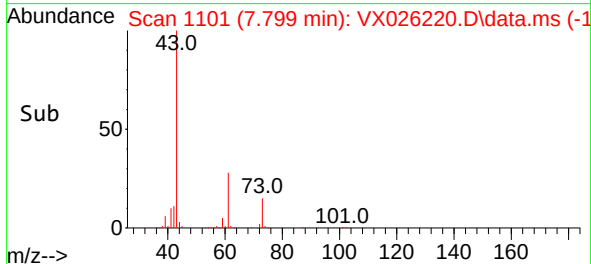
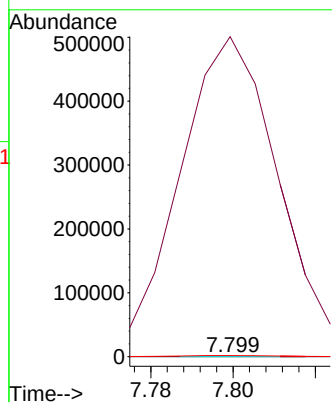
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 3882531.8 25.3 37.9#

58 15031.8 51.8 77.6#



#50

Toluene-d8

Concen: 48.934 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026220.D

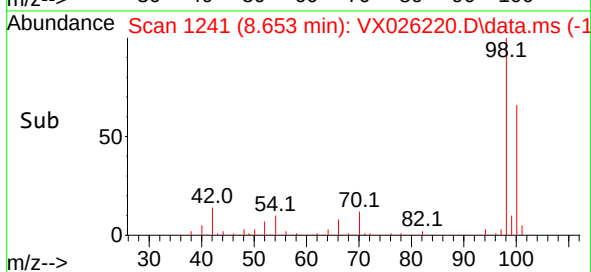
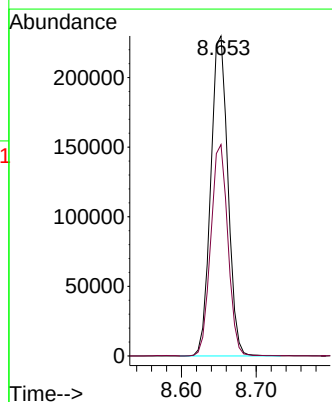
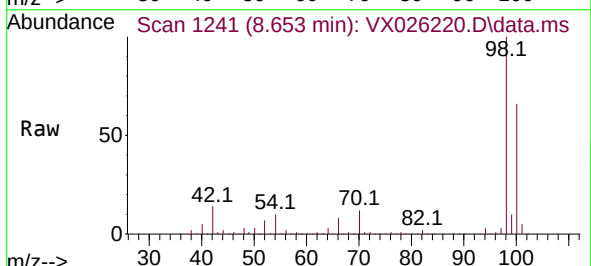
Acq: 03 Jan 2022 15:14

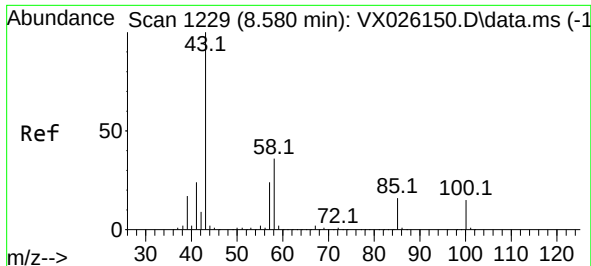
Tgt Ion: 98 Resp: 365728

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8

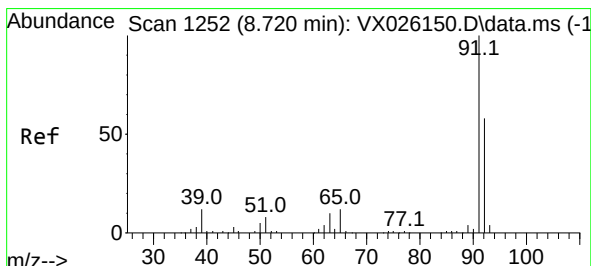
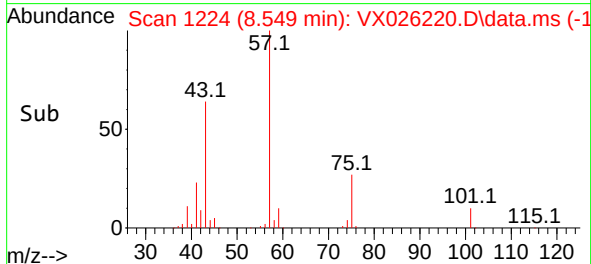
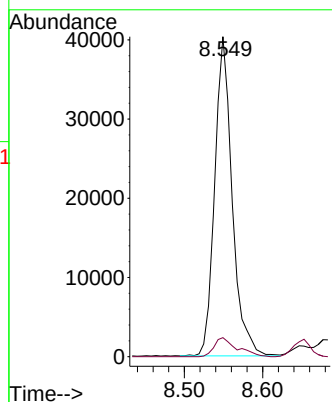
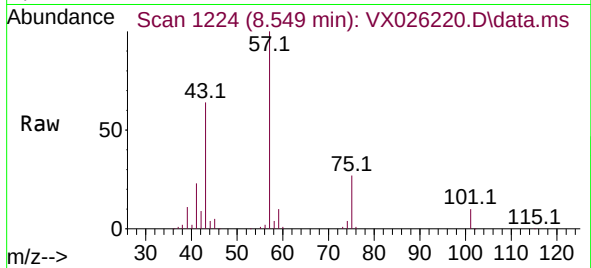




#51
4-Methyl-2-Pentanone
Concen: 16.426 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

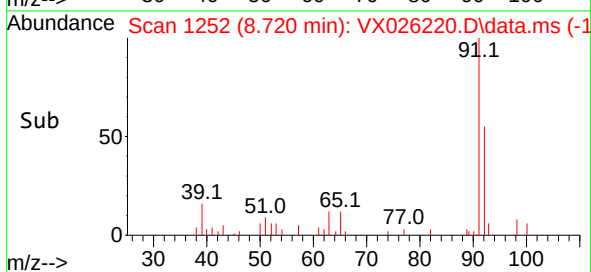
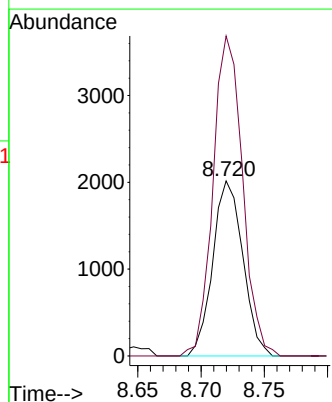
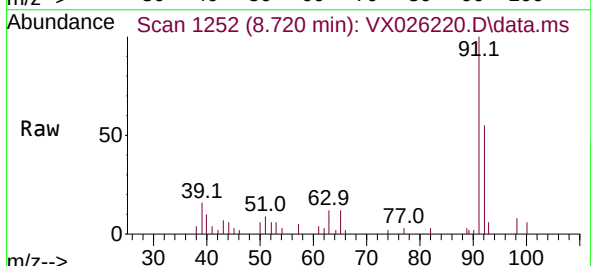
Instrument :
MSVOA_X
ClientSampleId :

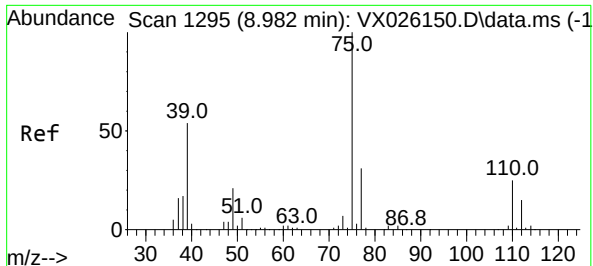
Tgt Ion: 43 Resp: 62602
Ion Ratio Lower Upper
43 100
58 7.7 30.8 46.2#



#52
Toluene
Concen: 0.586 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion: 92 Resp: 3337
Ion Ratio Lower Upper
92 100
91 179.1 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 1.899 ug/l

RT: 8.708 min Scan# 11

Delta R.T. -0.274 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

Instrument :

MSVOA_X

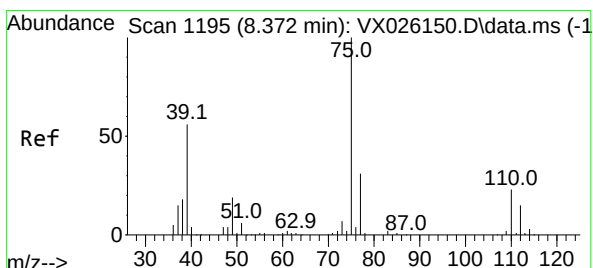
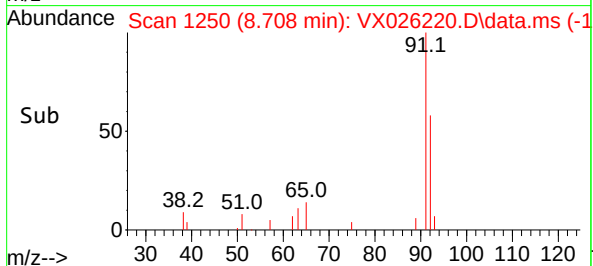
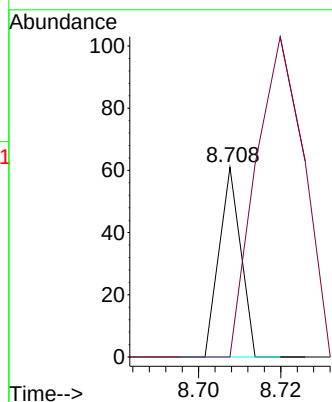
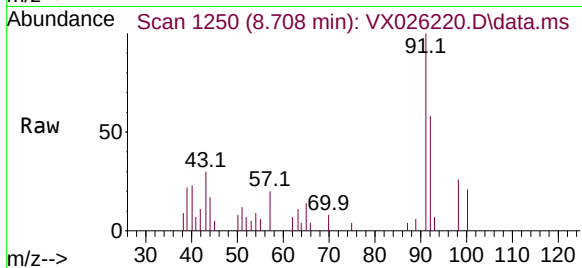
ClientSampleId :

Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 6.764 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

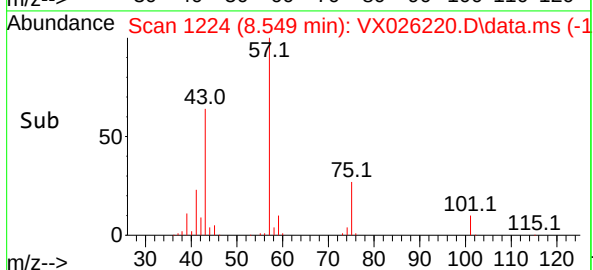
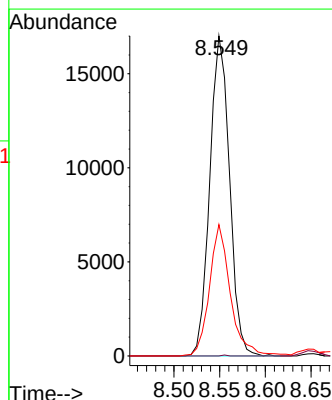
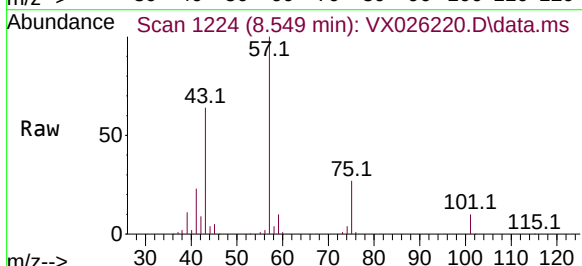
Tgt Ion: 75 Resp: 25522

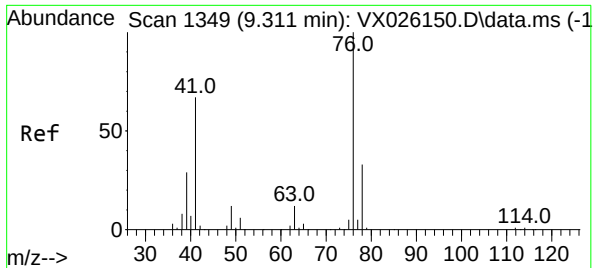
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 41.0 41.4 62.0#

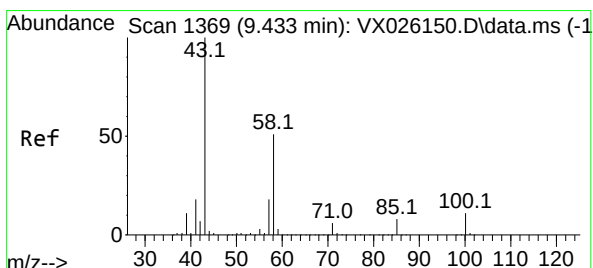
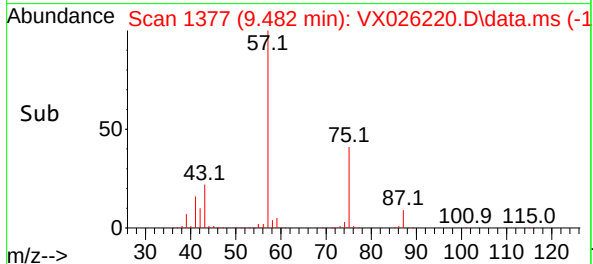
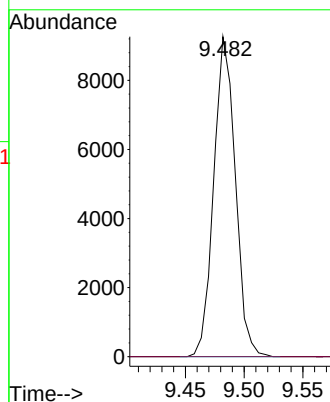
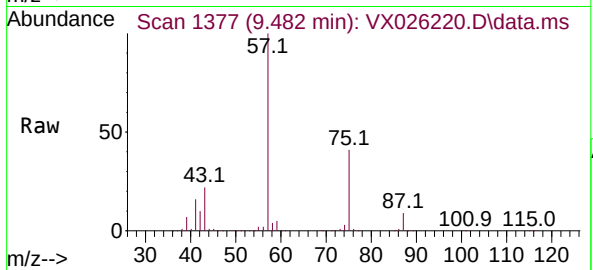




#57
1,3-Dichloropropane
Concen: 2.958 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.171 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

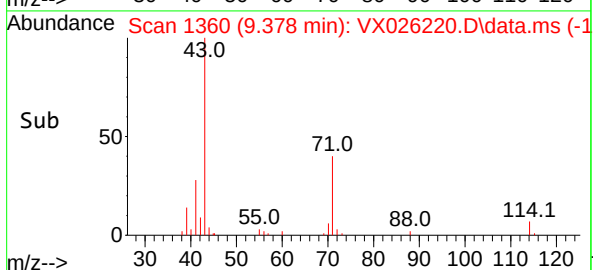
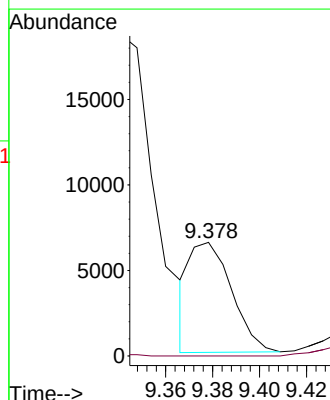
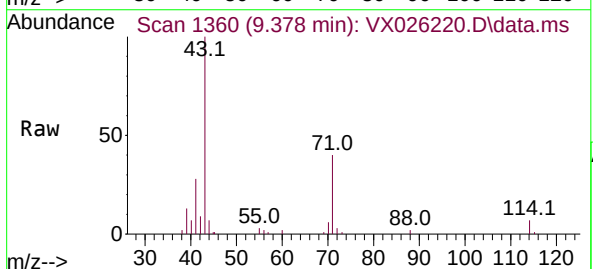
Instrument :
MSVOA_X
ClientSampleId :

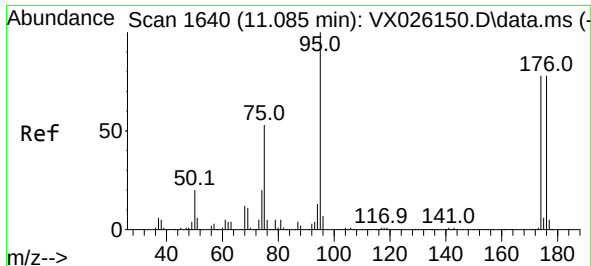
Tgt Ion: 76 Resp: 11857
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 2.750 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion: 43 Resp: 7939
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.6#

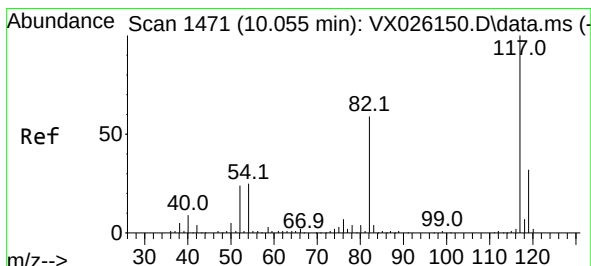
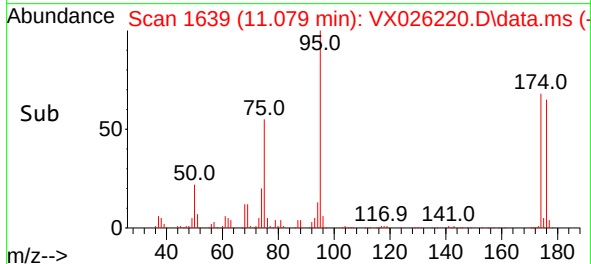
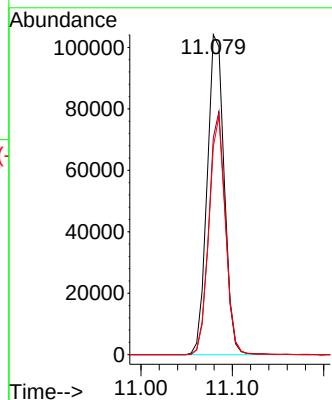
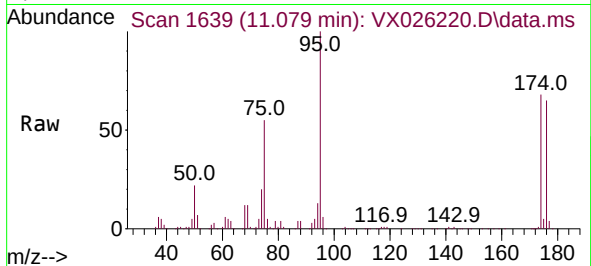




#62
4-Bromofluorobenzene
Concen: 50.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

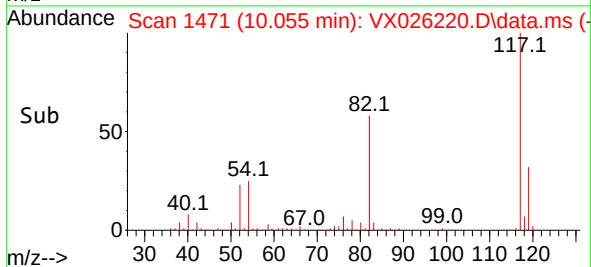
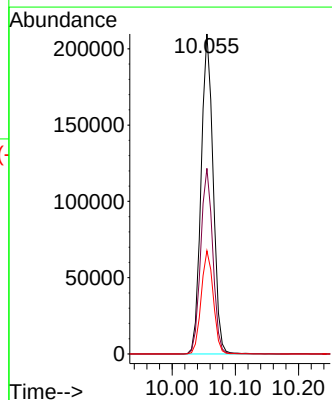
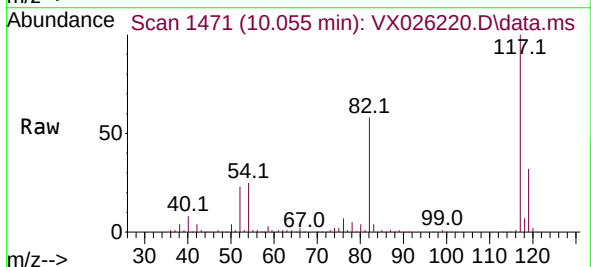
Instrument :
MSVOA_X
ClientSampleId :

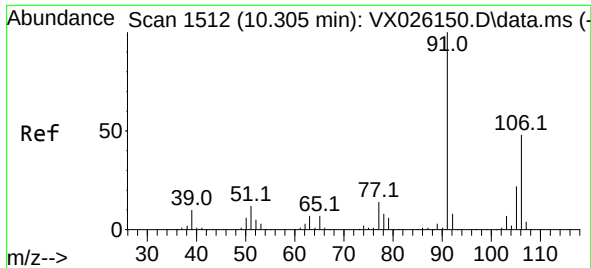
Tgt Ion: 95 Resp: 134515
Ion Ratio Lower Upper
95 100
174 73.9 0.0 157.4
176 71.7 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion: 117 Resp: 278329
Ion Ratio Lower Upper
117 100
82 58.0 43.8 65.6
119 32.3 25.2 37.8

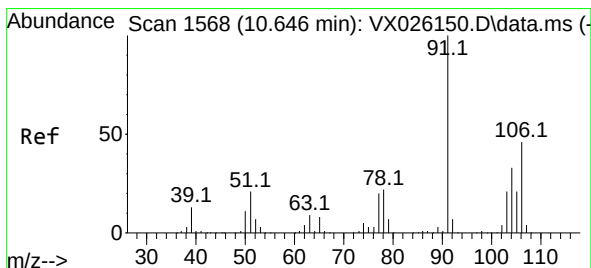
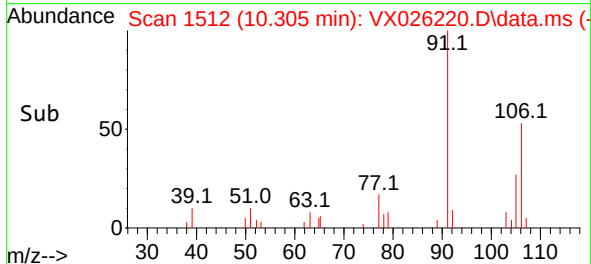
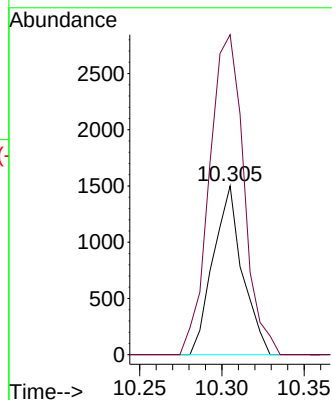
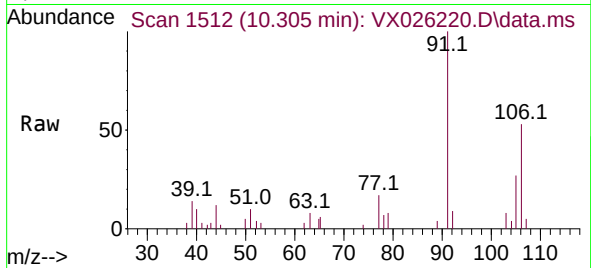




#68
m/p-Xylenes
Concen: 0.455 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

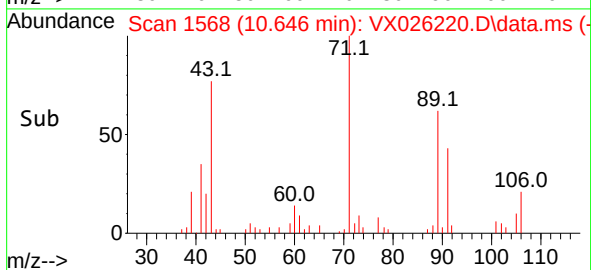
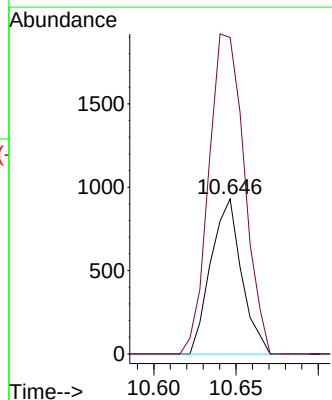
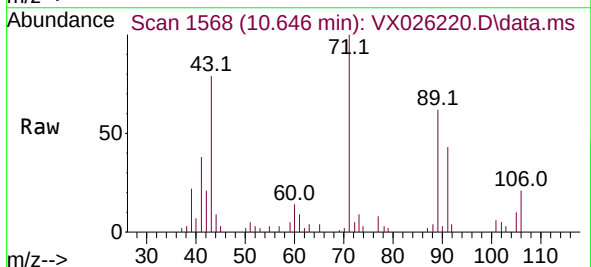
Instrument :
MSVOA_X
ClientSampleId :

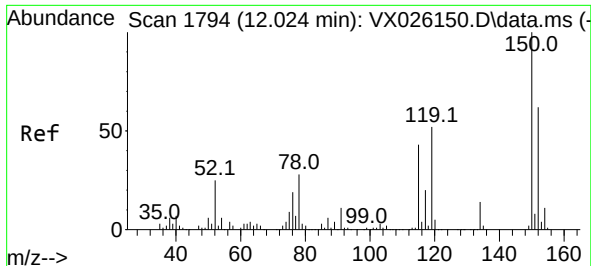
Tgt Ion:106 Resp: 1858
Ion Ratio Lower Upper
106 100
91 223.5 158.6 238.0



#69
o-Xylene
Concen: 0.303 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion:106 Resp: 1209
Ion Ratio Lower Upper
106 100
91 238.1 105.5 316.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

Instrument :

MSVOA_X

ClientSampleId :

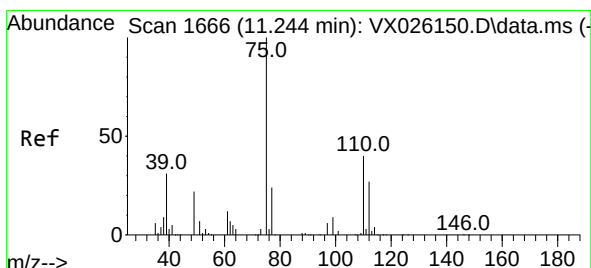
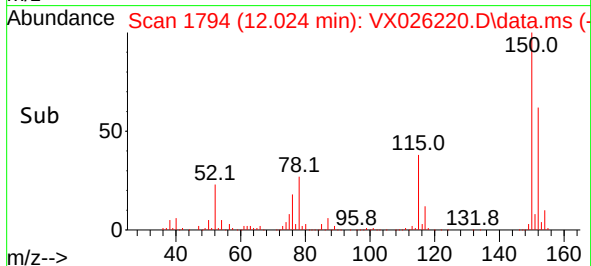
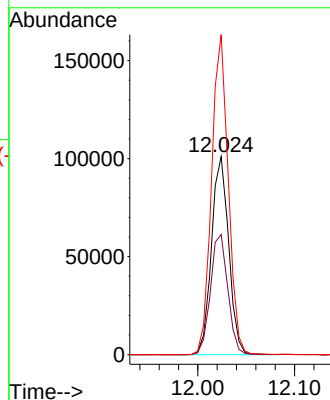
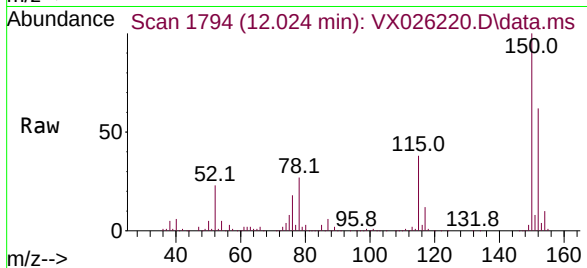
Tgt Ion:152 Resp: 124881

Ion Ratio Lower Upper

152 100

115 61.3 41.3 123.9

150 156.9 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 24.115 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026220.D

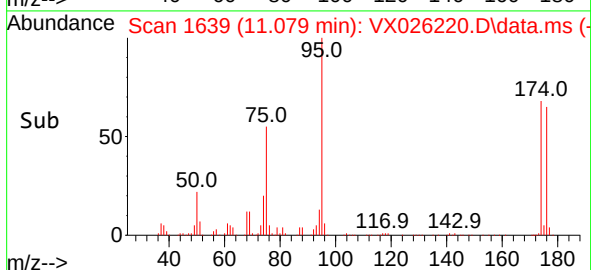
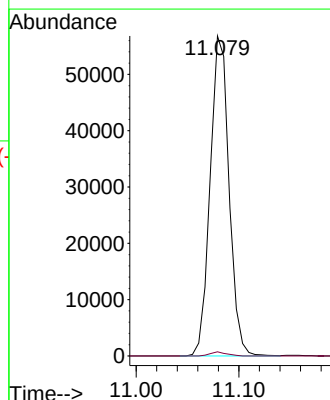
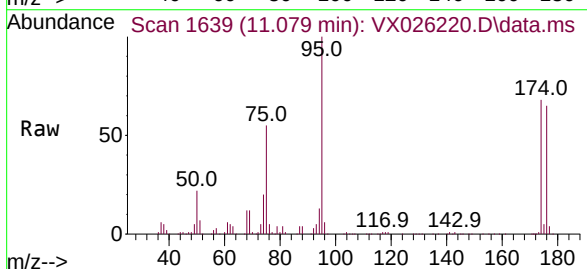
Acq: 03 Jan 2022 15:14

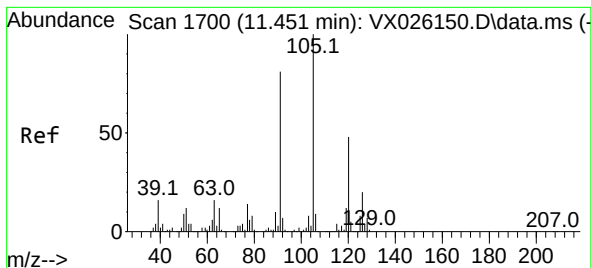
Tgt Ion: 75 Resp: 72692

Ion Ratio Lower Upper

75 100

77 1.1 19.0 57.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.294 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

Instrument :

MSVOA_X

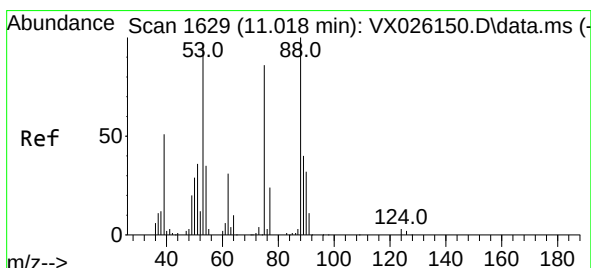
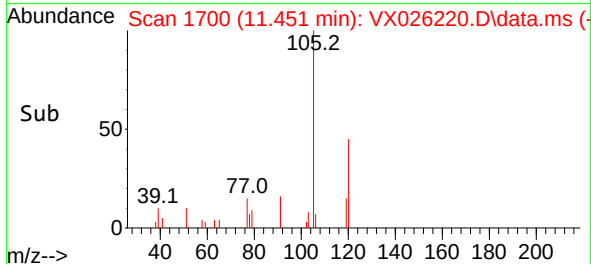
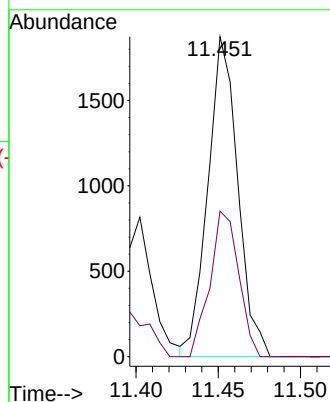
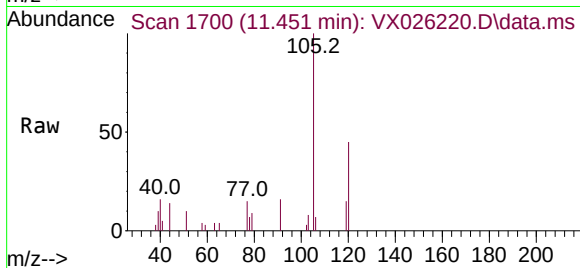
ClientSampleId :

Tgt Ion:105 Resp: 2367

Ion Ratio Lower Upper

105 100

120 43.8 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 69.767 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX026220.D

Acq: 03 Jan 2022 15:14

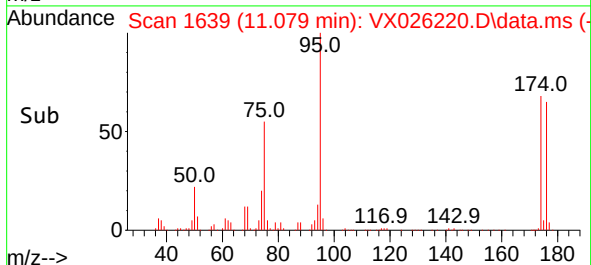
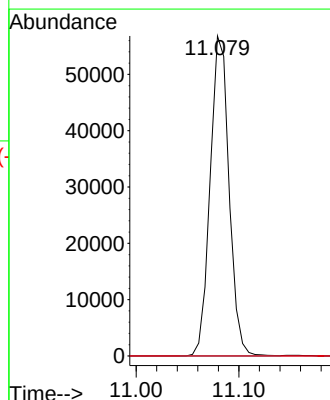
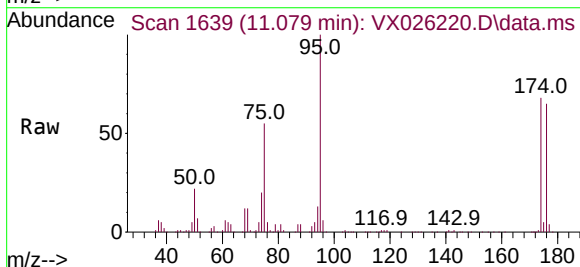
Tgt Ion: 75 Resp: 72692

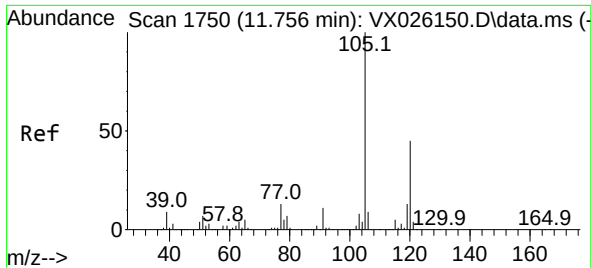
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 38.3 57.5#

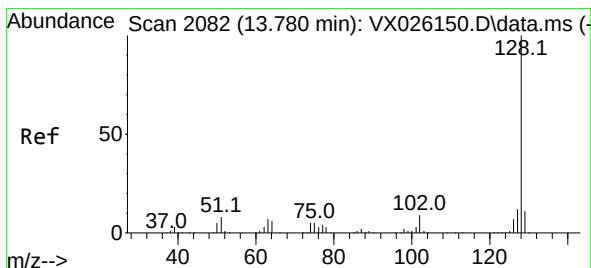
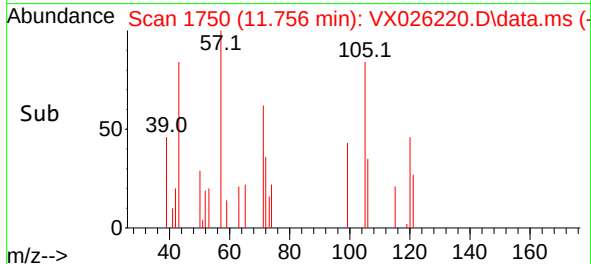
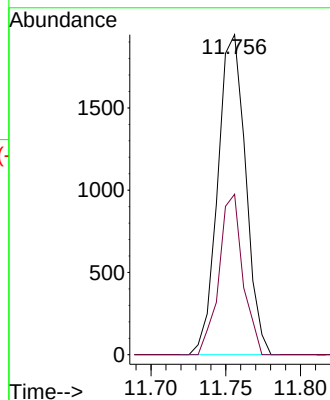
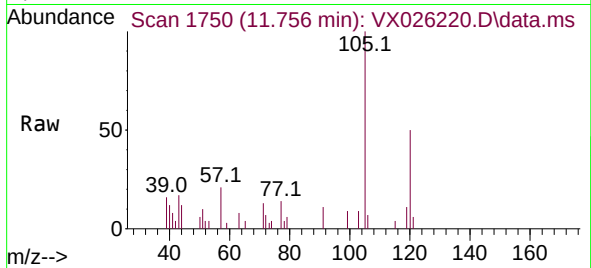




#84
1,2,4-Trimethylbenzene
Concen: 0.313 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 2521
Ion Ratio Lower Upper
105 100
120 42.9 22.9 68.7



#95
Naphthalene
Concen: 0.574 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX026220.D
Acq: 03 Jan 2022 15:14

Tgt Ion:128 Resp: 5543
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.8 13.2

