

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040422\
 Data File : VX027952.D
 Acq On : 04 Apr 2022 12:36
 Operator : JC/MD
 Sample : N2249-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 05 05:48:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

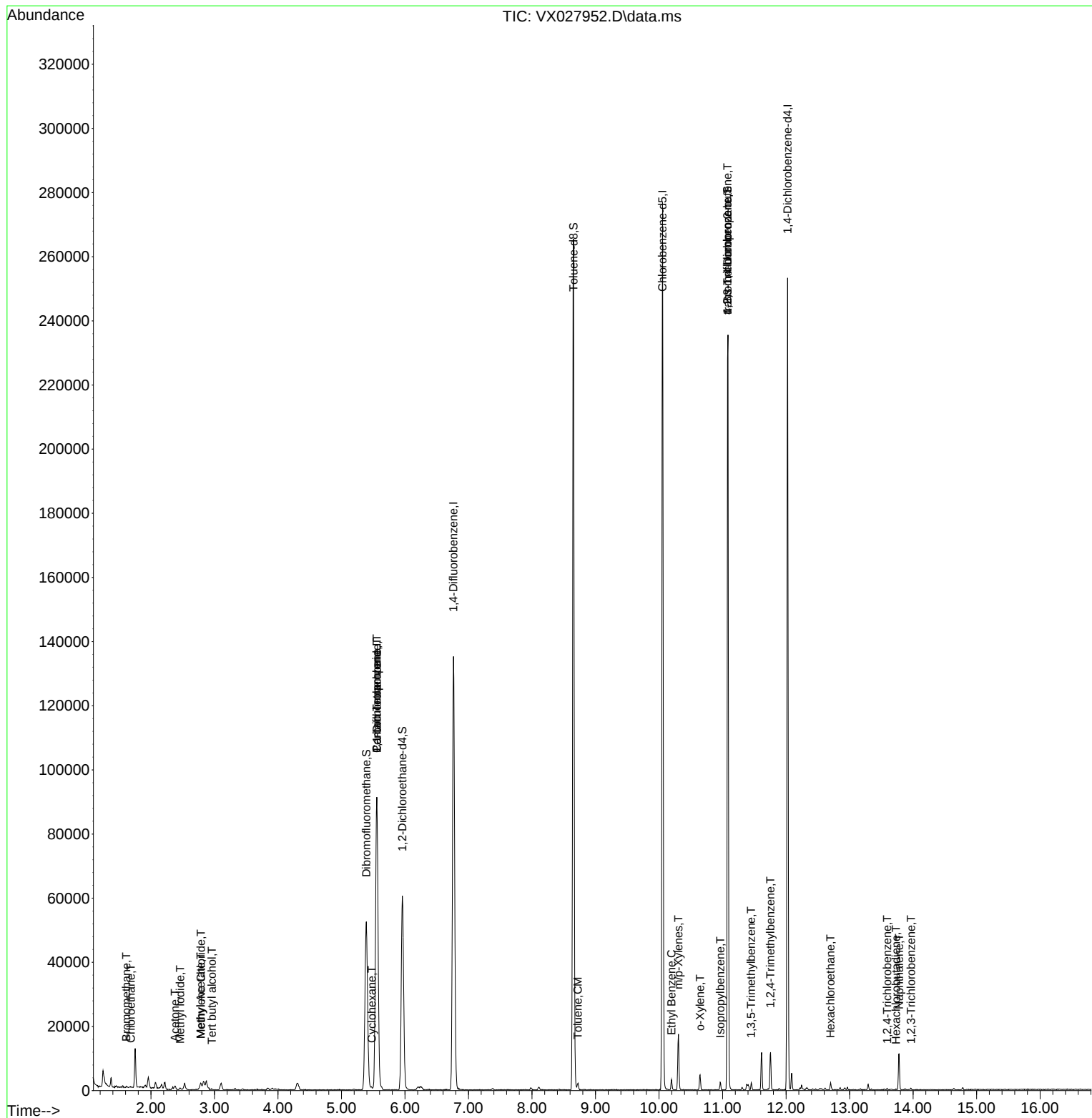
Internal Standards						
1) Pentafluorobenzene	5.556	168	77692	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	127696	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63129	62.975	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 125.960%	
35) Dibromofluoromethane	5.391	113	45329	54.994	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.980%	
50) Toluene-d8	8.653	98	150489	51.892	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.780%	
62) 4-Bromofluorobenzene	11.079	95	62908	51.044	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.080%	
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	142	0.494	ug/l	87
6) Chloroethane	1.685	64	355	0.825	ug/l	# 43
10) Methyl Iodide	2.459	142	474	0.561	ug/l	# 76
11) Tert butyl alcohol	2.959	59	110	0.571	ug/l	# 72
16) Acetone	2.380	43	1694	3.818	ug/l	97
18) Methyl Acetate	2.782	43	1244	1.137	ug/l	# 46
20) Methylene Chloride	2.788	84	224	0.281	ug/l	# 92
31) Cyclohexane	5.477	56	511	0.461	ug/l	# 50
36) 1,1-Dichloropropene	5.556	75	7274	7.007	ug/l	# 45
38) Carbon Tetrachloride	5.556	117	9091	7.926	ug/l	# 14
52) Toluene	8.720	92	758	0.383	ug/l	92
67) Ethyl Benzene	10.195	91	1907	0.483	ug/l	100
68) m/p-Xylenes	10.305	106	3726	2.564	ug/l	89
69) o-Xylene	10.646	106	1099	0.774	ug/l	99
73) Isopropylbenzene	10.963	105	1399	0.415	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	36569	34.454	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	1035	0.354	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	36569	99.837	ug/l	# 15
84) 1,2,4-Trimethylbenzene	11.756	105	5351	1.836	ug/l	98
90) Hexachloroethane	12.701	117	1097	2.354	ug/l	# 10
93) 1,2,4-Trichlorobenzene	13.591	180	241	0.264	ug/l	# 62
94) Hexachlorobutadiene	13.731	225	91	1.035	ug/l	87
95) Naphthalene	13.780	128	7173	2.249	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	180	0.201	ug/l	# 67

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

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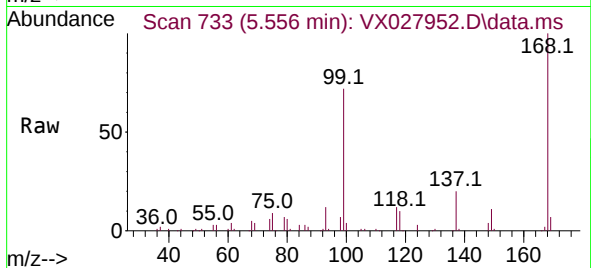


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

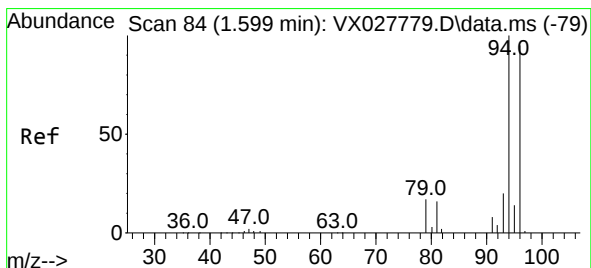
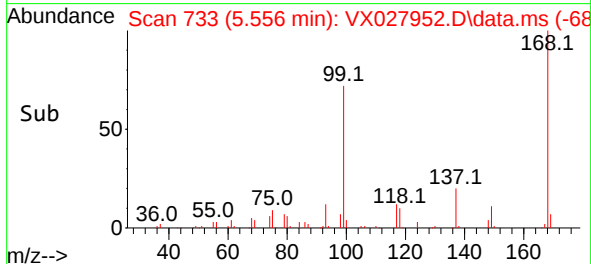
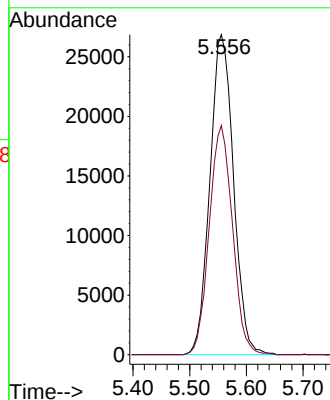
Instrument :

MSVOA_X

ClientSampleId :

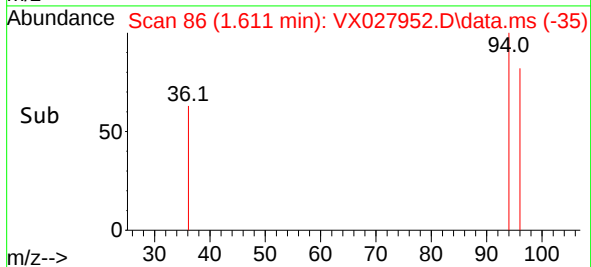
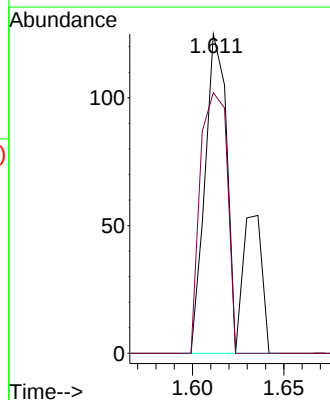
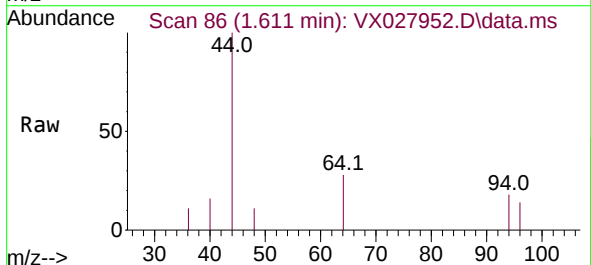


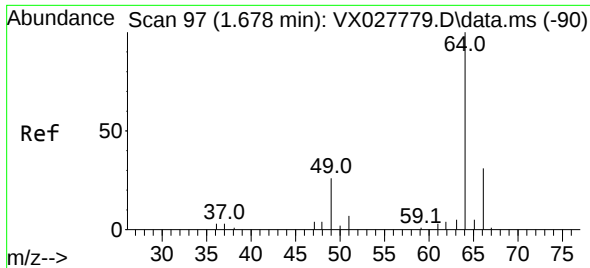
Tgt Ion:168 Resp: 77692
Ion Ratio Lower Upper
168 100
99 71.6 41.7 62.5#



#5
Bromomethane
Concen: 0.494 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

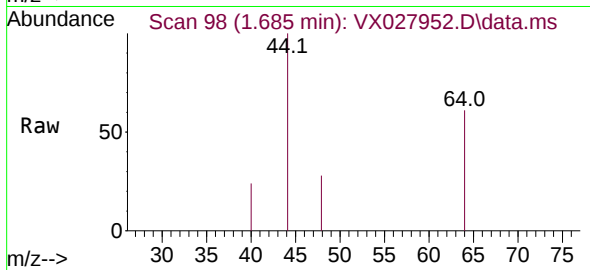
Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 81.6 75.3 112.9



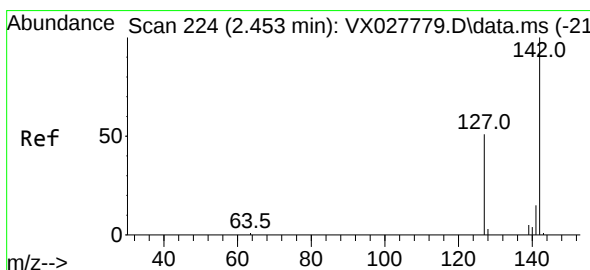
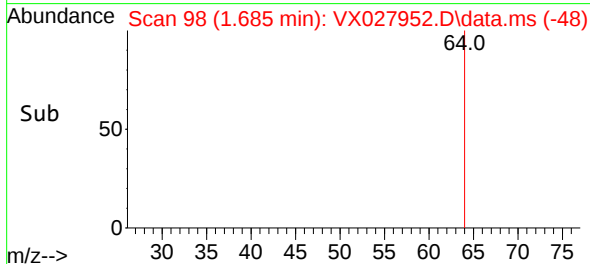
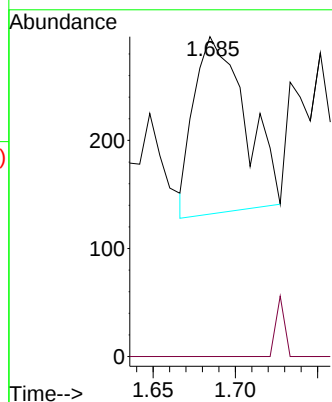


#6
Chloroethane
Concen: 0.825 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Instrument :
MSVOA_X
ClientSampleId :

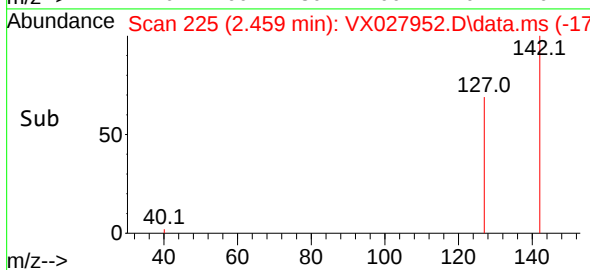
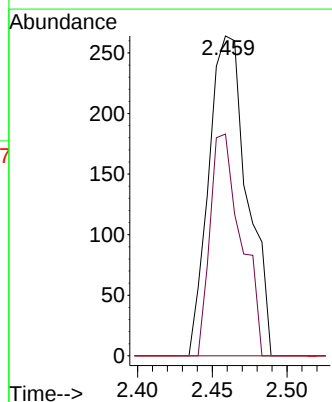
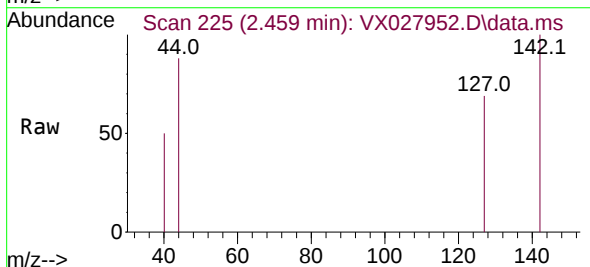


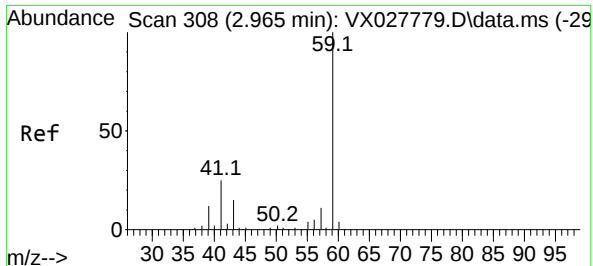
Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.561 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion: 142 Resp: 474
Ion Ratio Lower Upper
142 100
127 55.7 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.571 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

Instrument :

MSVOA_X

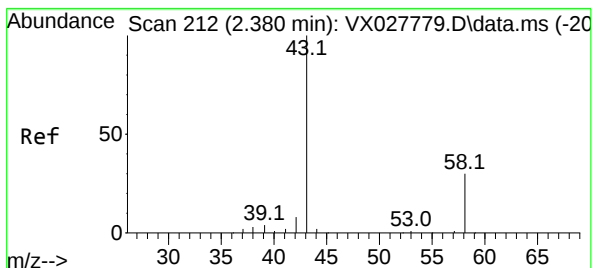
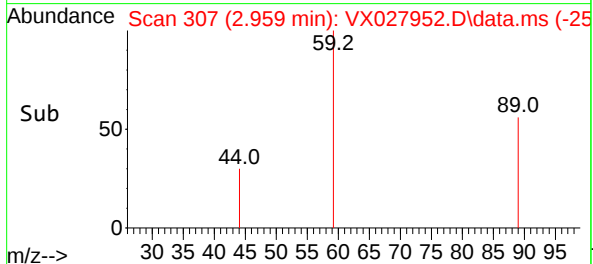
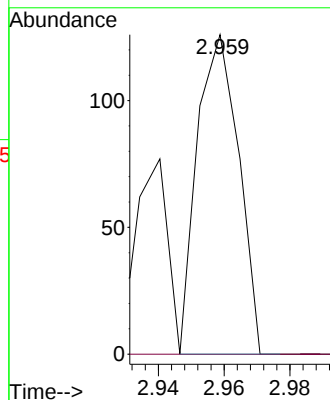
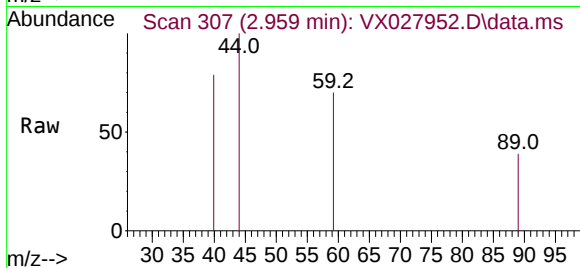
ClientSampleId :

Tgt Ion: 59 Resp: 110

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.818 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX027952.D

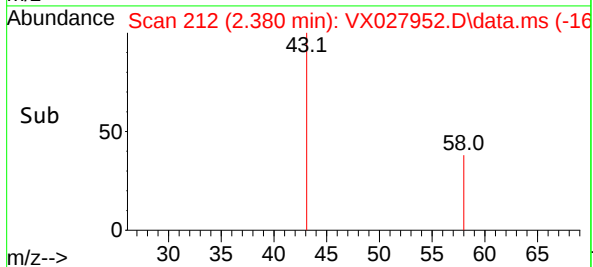
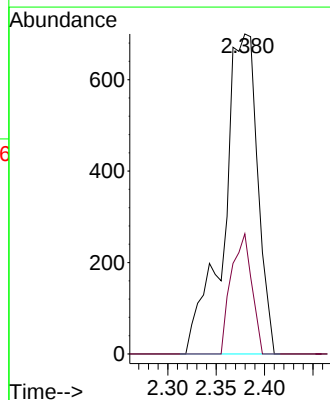
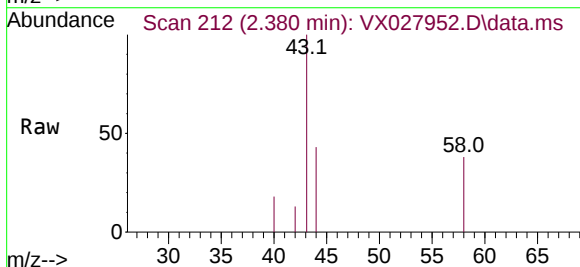
Acq: 04 Apr 2022 12:36

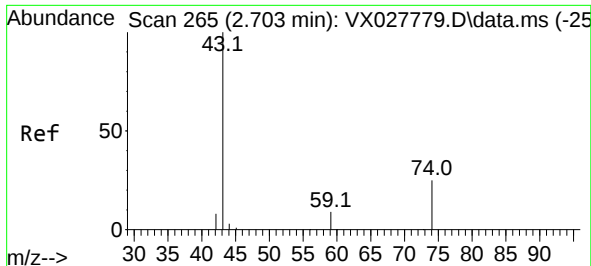
Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

43 100

58 37.6 28.8 43.2





#18

Methyl Acetate

Concen: 1.137 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.079 min

Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

Instrument :

MSVOA_X

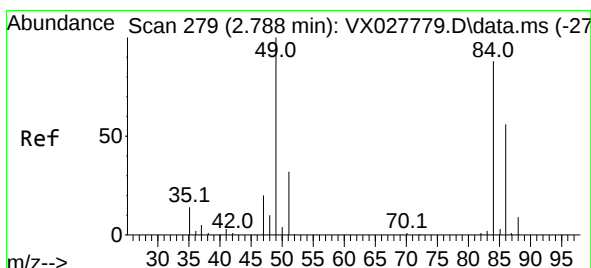
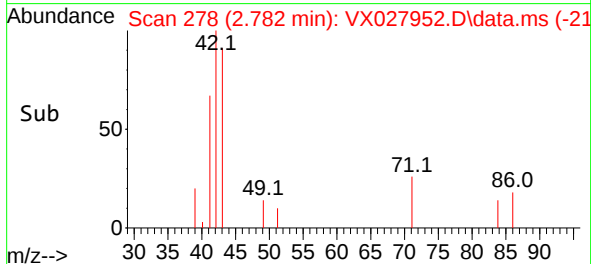
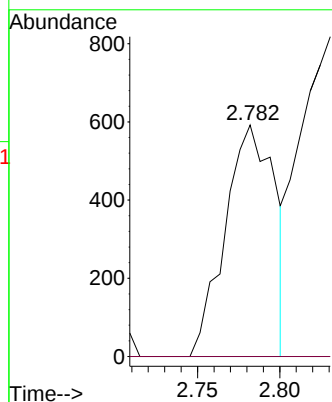
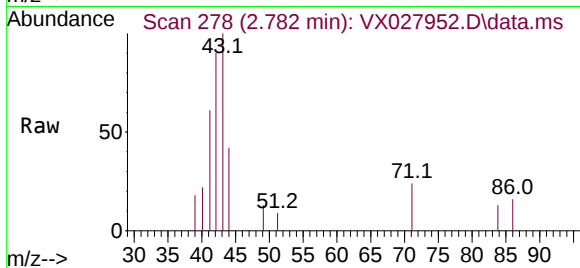
ClientSampleId :

Tgt Ion: 43 Resp: 1244

Ion Ratio Lower Upper

43 100

74 0.0 22.8 34.2#



#20

Methylene Chloride

Concen: 0.281 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

Tgt Ion: 84 Resp: 224

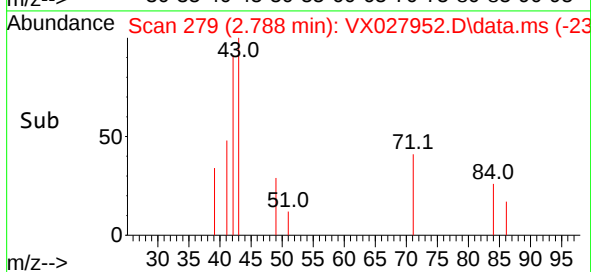
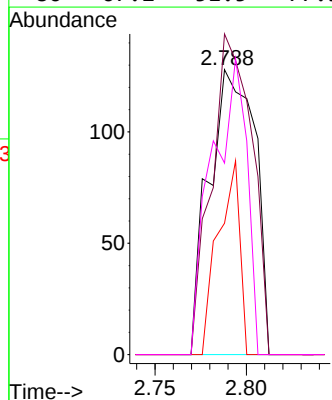
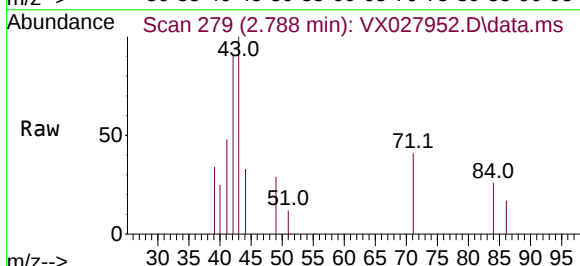
Ion Ratio Lower Upper

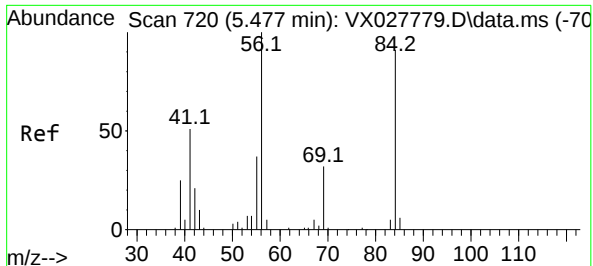
84 100

49 112.5 85.5 128.3

51 46.1 26.6 39.8#

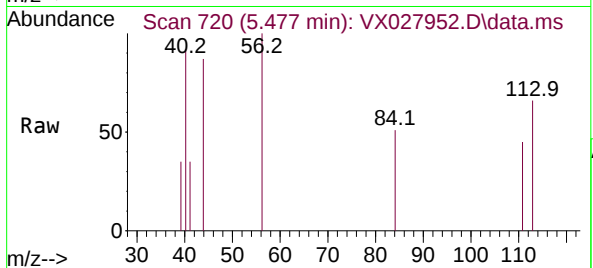
86 67.2 51.5 77.3



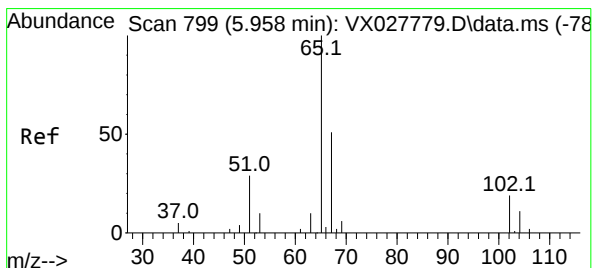
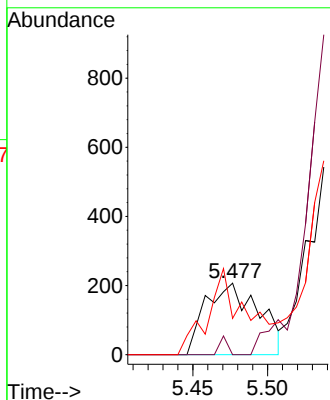
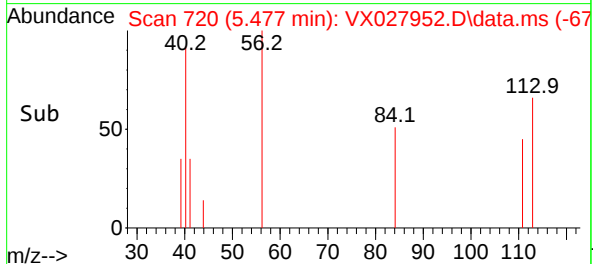


#31
Cyclohexane
Concen: 0.461 ug/l
RT: 5.477 min Scan# 720
Delta R.T. -0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Instrument :
MSVOA_X
ClientSampleId :

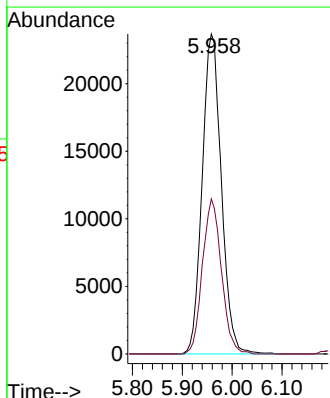
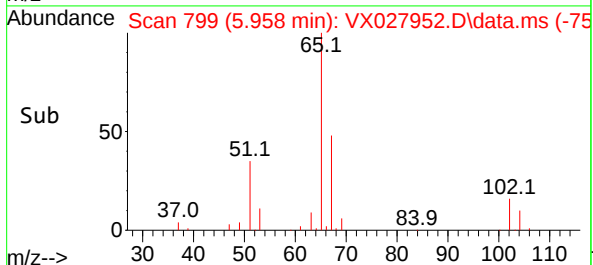
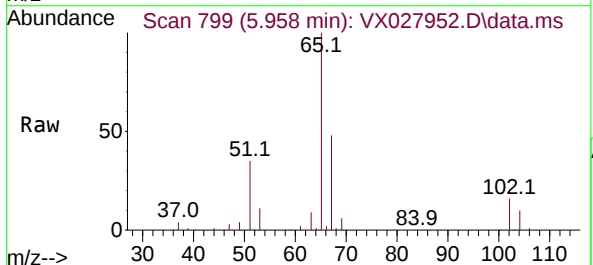


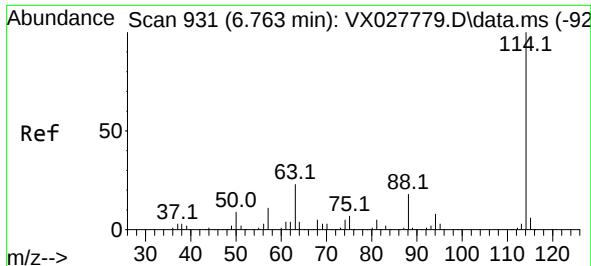
Tgt Ion: 56 Resp: 511
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 50.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 62.975 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion: 65 Resp: 63129
Ion Ratio Lower Upper
65 100
67 48.0 0.0 107.4

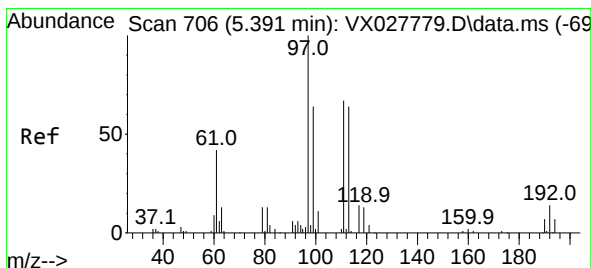
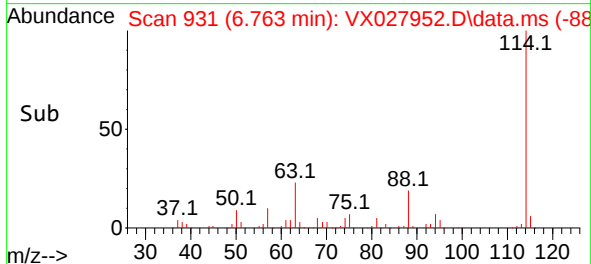
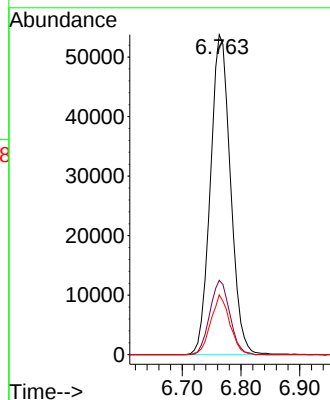
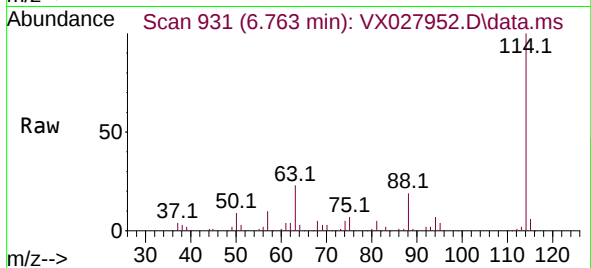




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

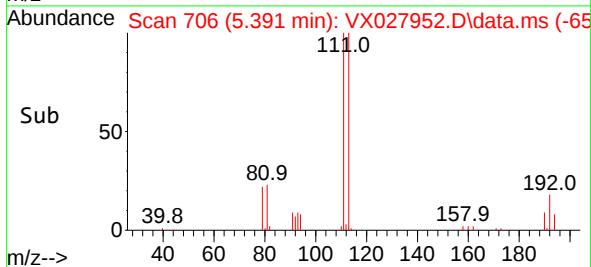
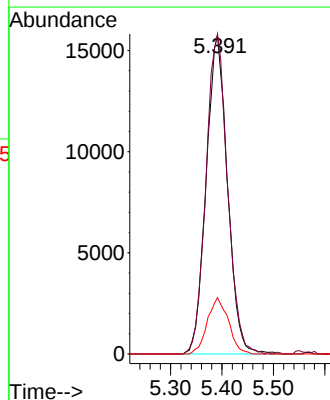
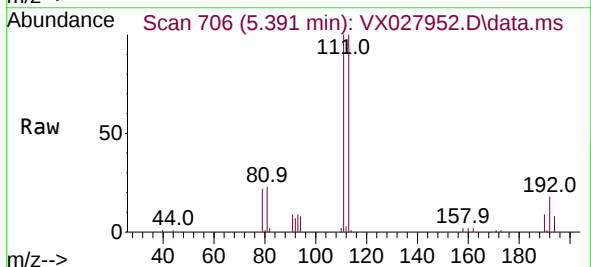
Instrument :
MSVOA_X
ClientSampleId :

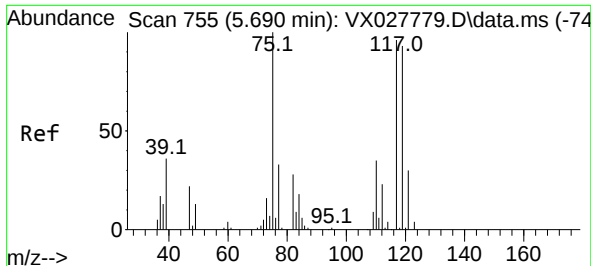
Tgt Ion:114 Resp: 127696
Ion Ratio Lower Upper
114 100
63 23.3 0.0 36.8
88 18.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.994 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion:113 Resp: 45329
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 17.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 7.007 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

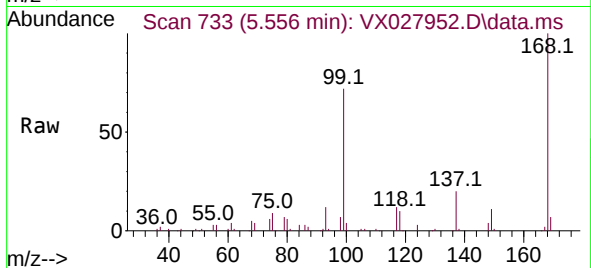
Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

Instrument :

MSVOA_X

ClientSampleId :



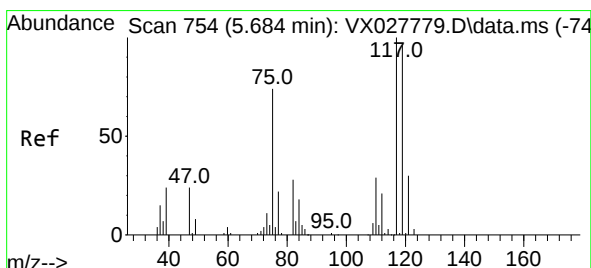
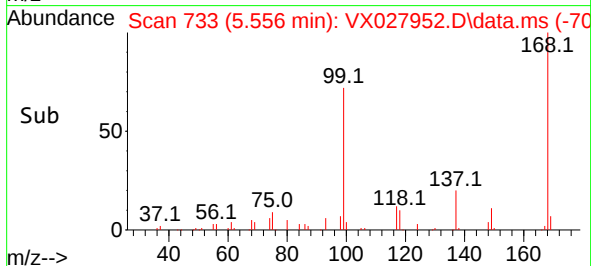
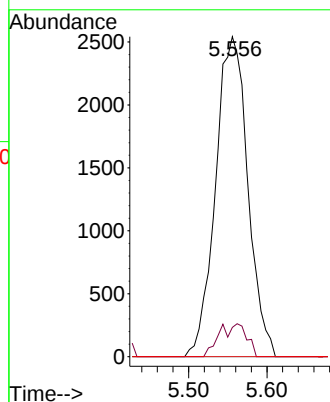
Tgt Ion: 75 Resp: 7274

Ion Ratio Lower Upper

75 100

110 5.1 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.926 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

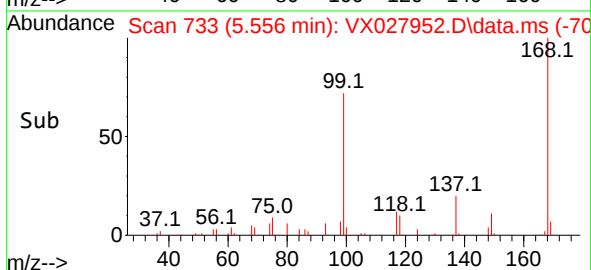
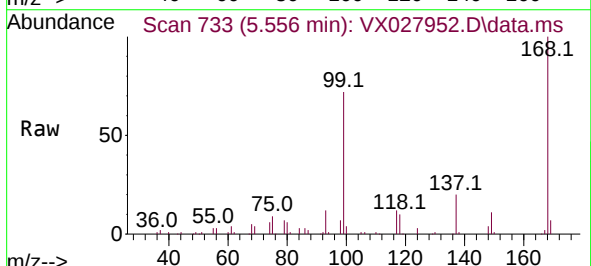
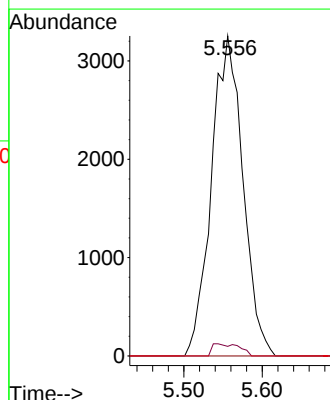
Tgt Ion: 117 Resp: 9091

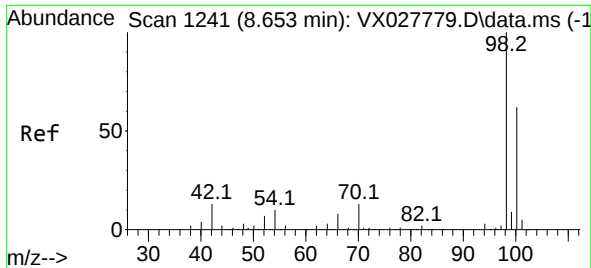
Ion Ratio Lower Upper

117 100

119 3.0 77.3 115.9#

121 0.0 24.2 36.2#

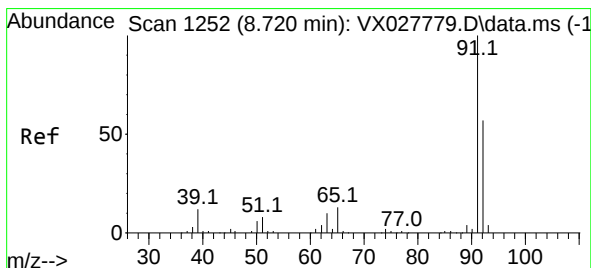
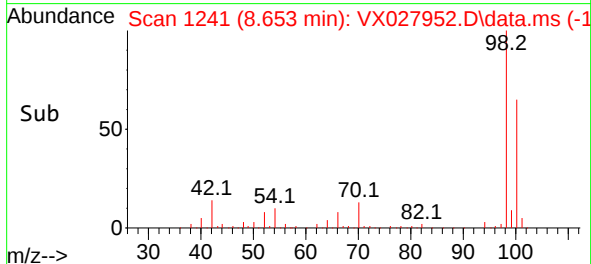
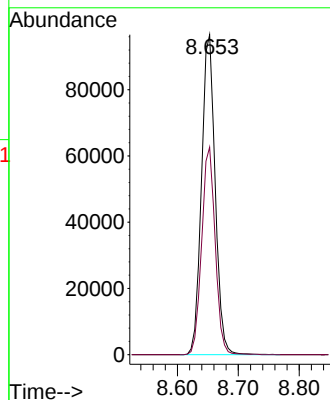
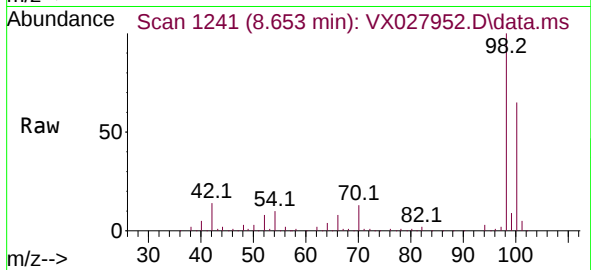




#50
Toluene-d8
Concen: 51.892 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

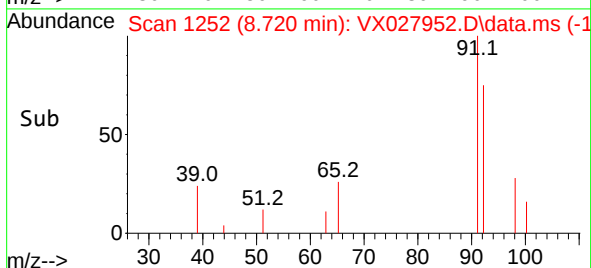
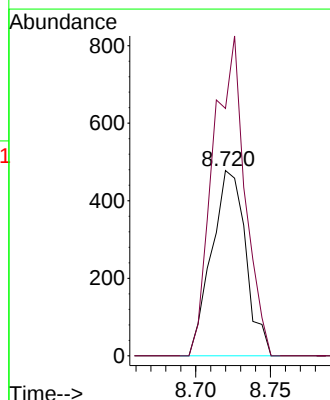
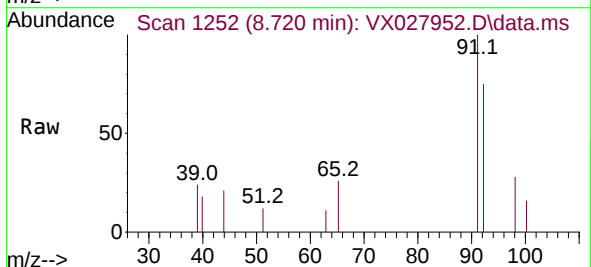
Instrument :
MSVOA_X
ClientSampleId :

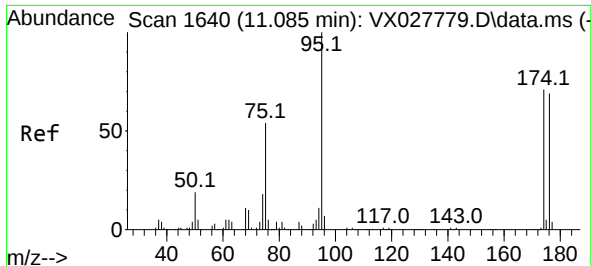
Tgt Ion: 98 Resp: 150489
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#52
Toluene
Concen: 0.383 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion: 92 Resp: 758
Ion Ratio Lower Upper
92 100
91 161.1 137.5 206.3





#62

4-Bromofluorobenzene

Concen: 51.044 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

Instrument :

MSVOA_X

ClientSampleId :

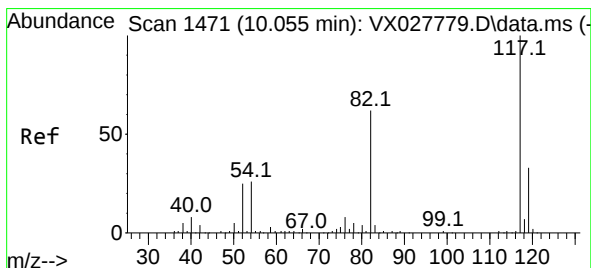
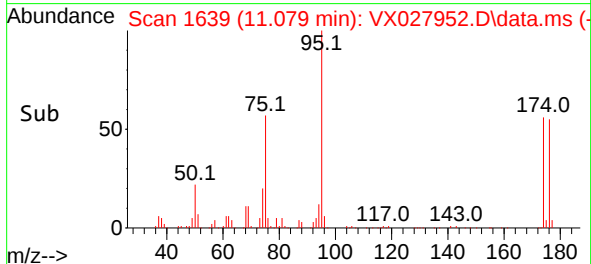
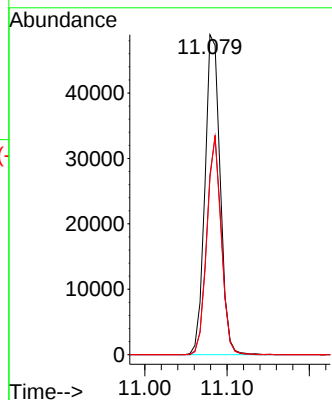
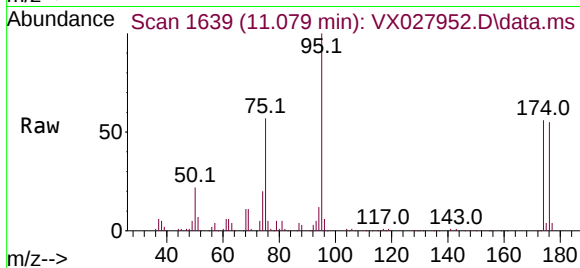
Tgt Ion: 95 Resp: 62908

Ion Ratio Lower Upper

95 100

174 65.1 0.0 163.0

176 64.2 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

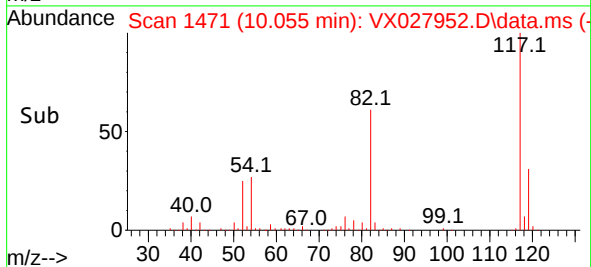
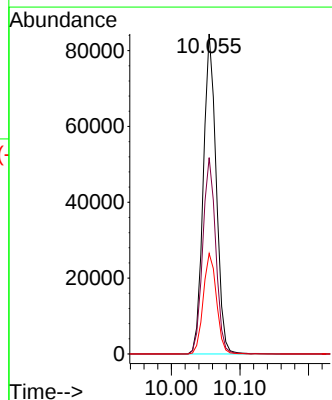
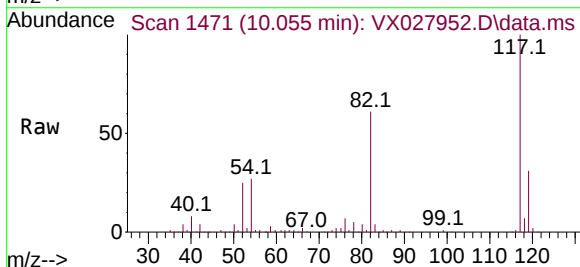
Tgt Ion: 117 Resp: 110547

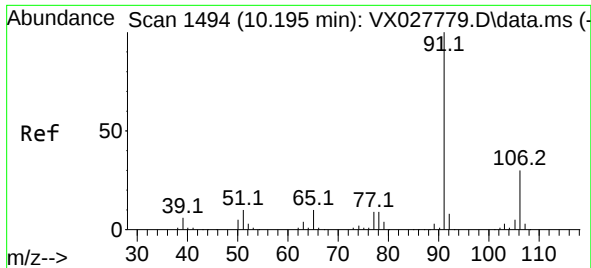
Ion Ratio Lower Upper

117 100

82 61.4 41.8 62.8

119 31.4 24.8 37.2





#67

Ethyl Benzene

Concen: 0.483 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX027952.D

Acq: 04 Apr 2022 12:36

Instrument :

MSVOA_X

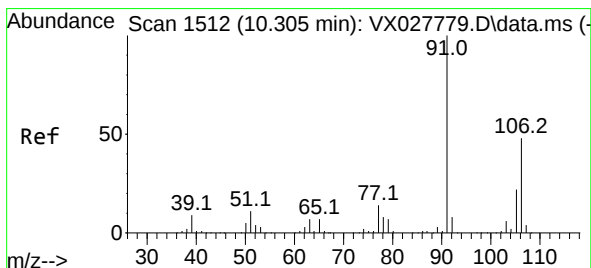
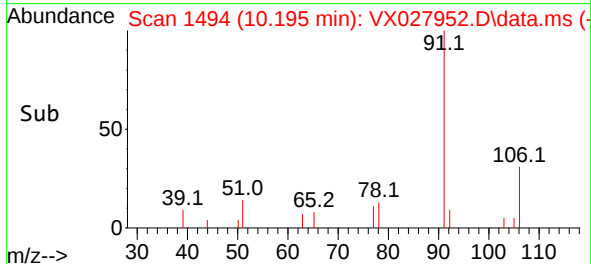
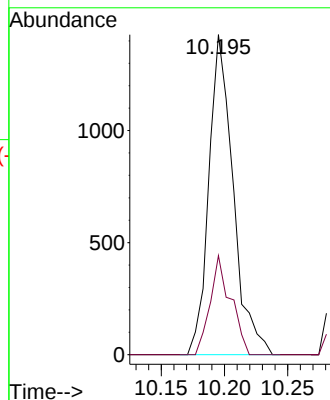
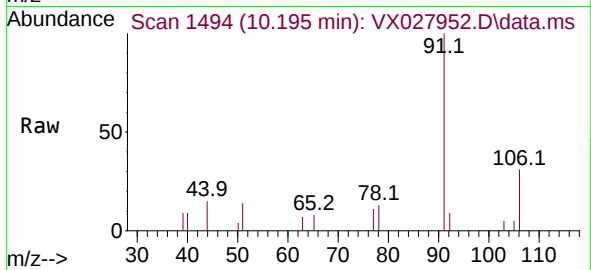
ClientSampleId :

Tgt Ion: 91 Resp: 1907

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



#68

m/p-Xylenes

Concen: 2.564 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX027952.D

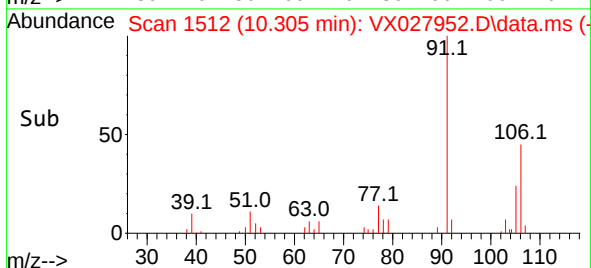
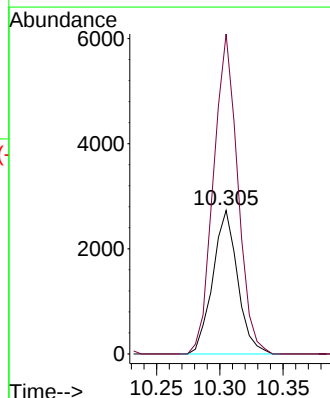
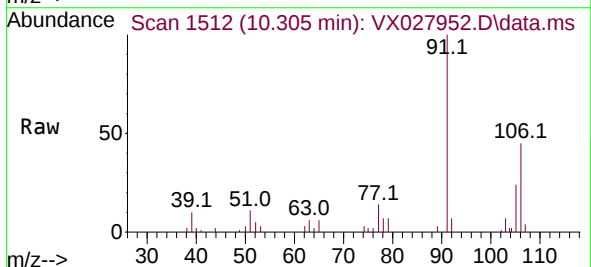
Acq: 04 Apr 2022 12:36

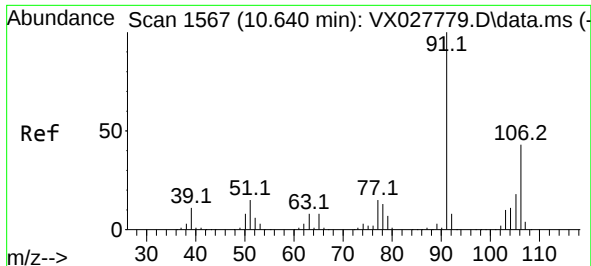
Tgt Ion: 106 Resp: 3726

Ion Ratio Lower Upper

106 100

91 217.5 160.4 240.6

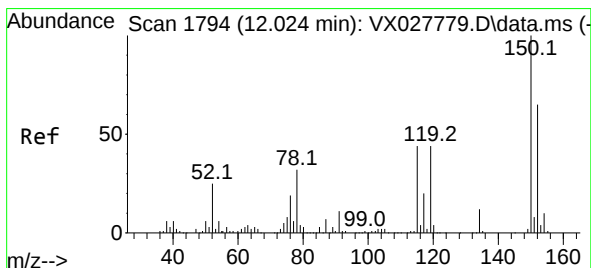
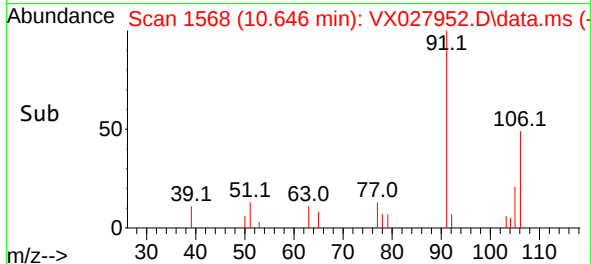
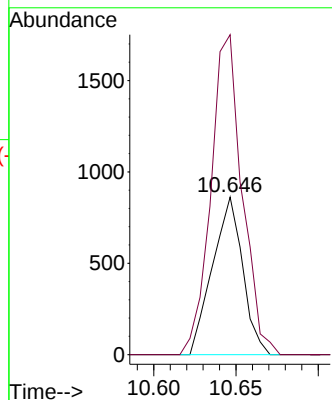
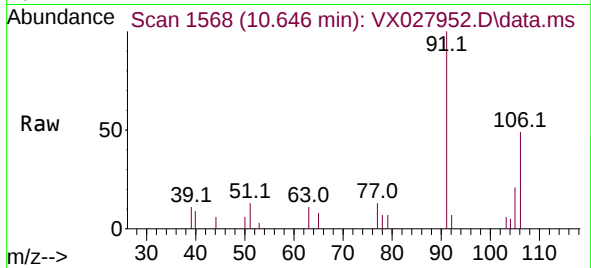




#69
o-Xylene
Concen: 0.774 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

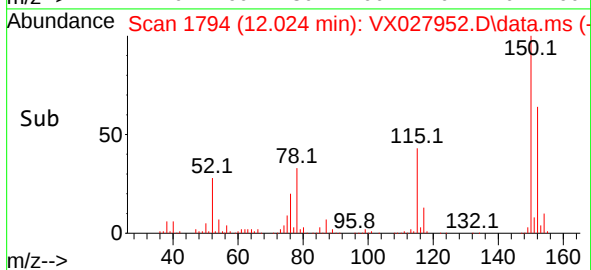
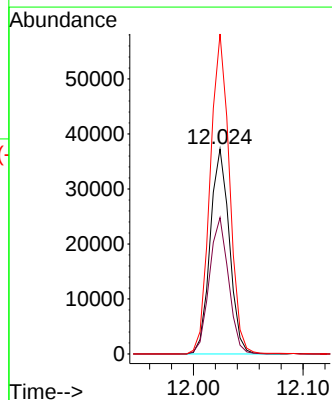
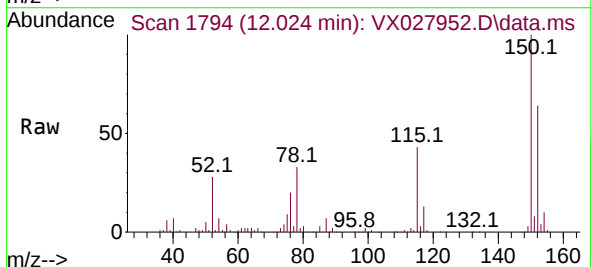
Instrument :
MSVOA_X
ClientSampleId :

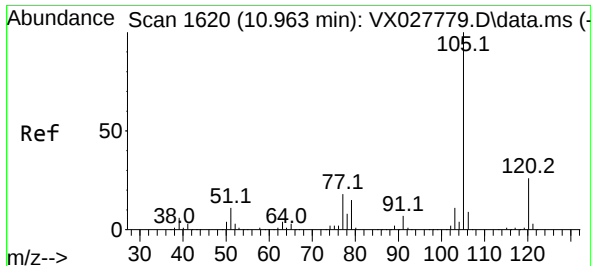
Tgt Ion:106 Resp: 1099
Ion Ratio Lower Upper
106 100
91 211.0 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion:152 Resp: 45246
Ion Ratio Lower Upper
152 100
115 66.7 37.5 112.7
150 157.4 0.0 338.2

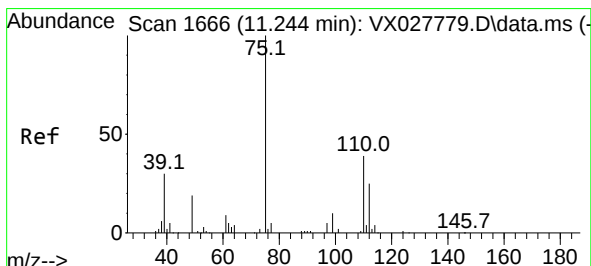
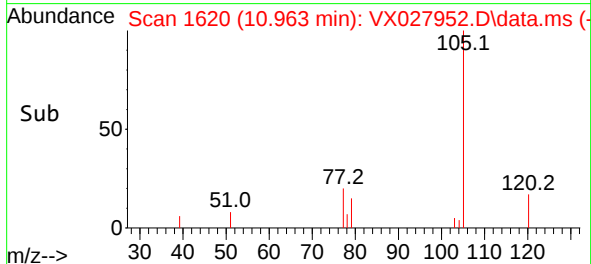
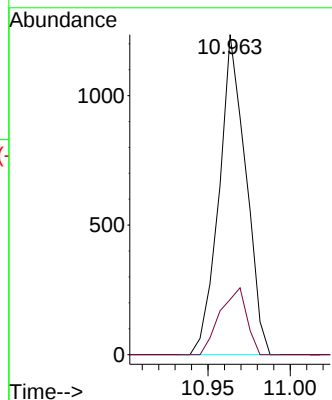
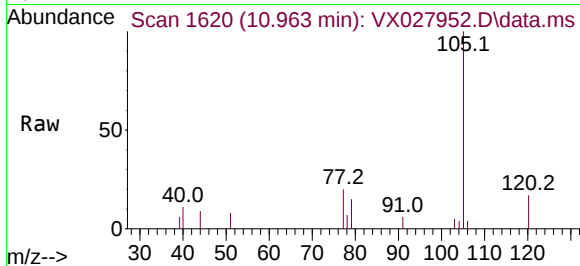




#73
Isopropylbenzene
Concen: 0.415 ug/l
RT: 10.963 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

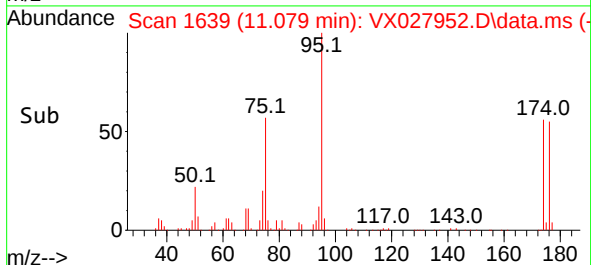
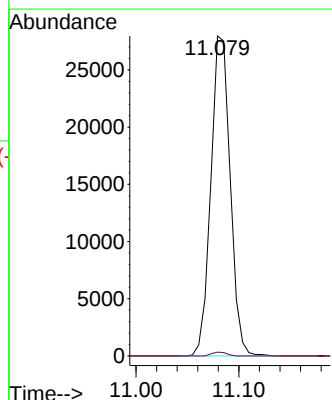
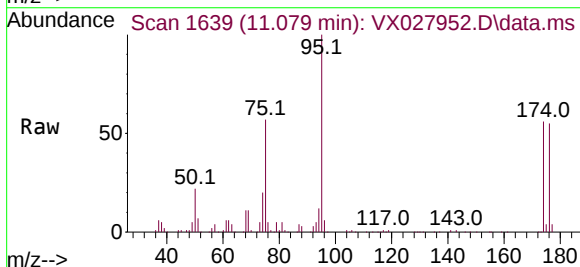
Instrument :
MSVOA_X
ClientSampleId :

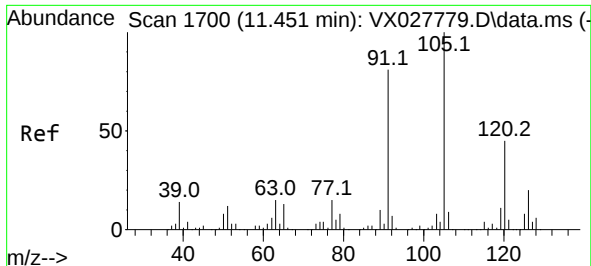
Tgt Ion:105 Resp: 1399
Ion Ratio Lower Upper
105 100
120 20.9 13.5 40.5



#76
1,2,3-Trichloropropane
Concen: 34.454 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion: 75 Resp: 36569
Ion Ratio Lower Upper
75 100
77 0.9 19.4 58.2#

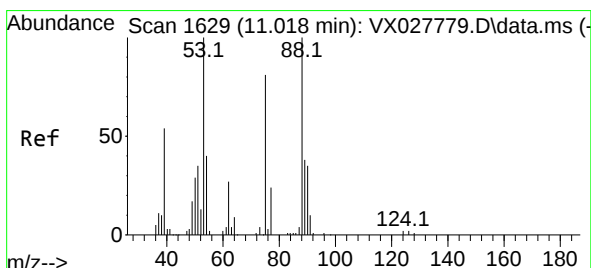
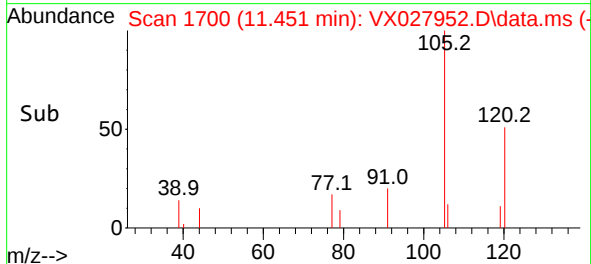
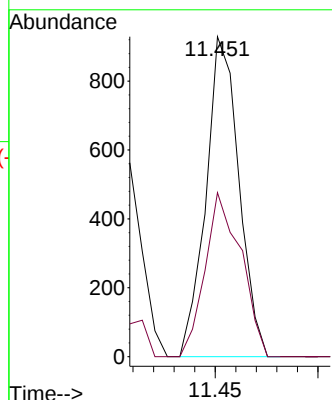
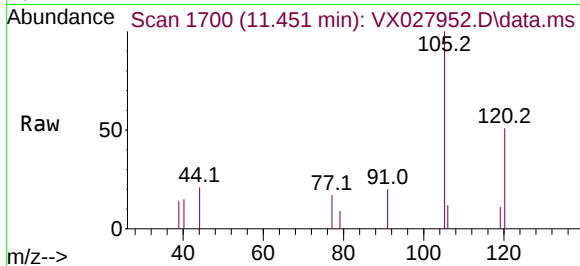




#80
1,3,5-Trimethylbenzene
Concen: 0.354 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

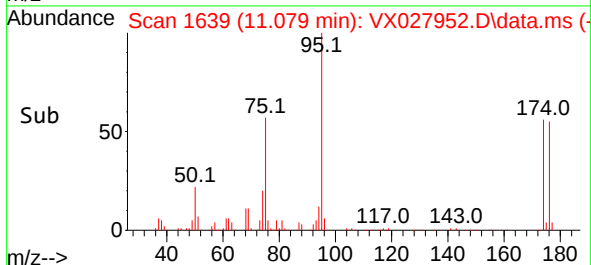
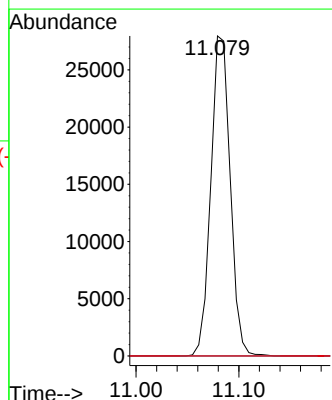
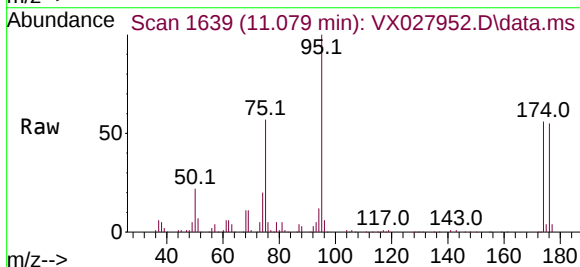
Instrument :
MSVOA_X
ClientSampleId :

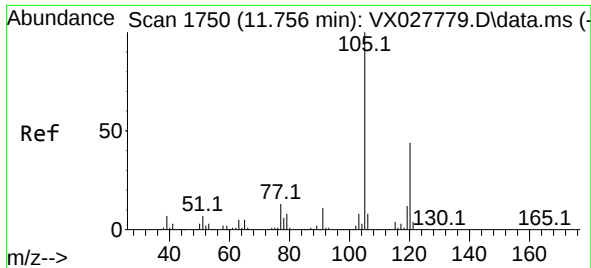
Tgt Ion:105 Resp: 1035
Ion Ratio Lower Upper
105 100
120 55.8 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 99.837 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion: 75 Resp: 36569
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

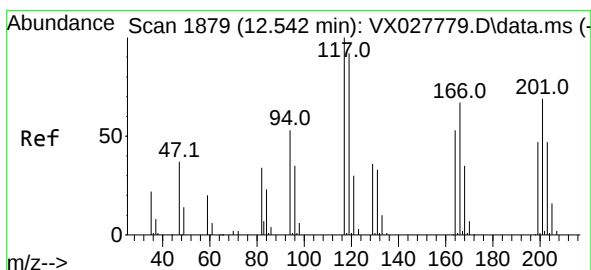
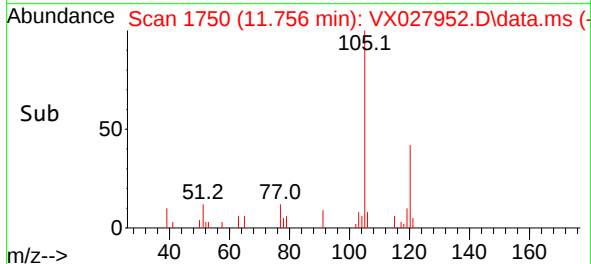
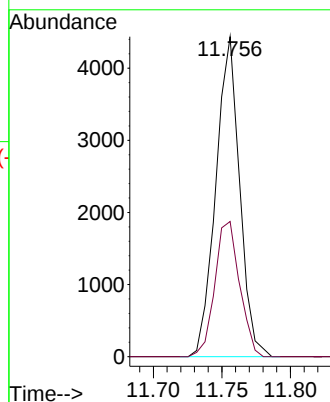
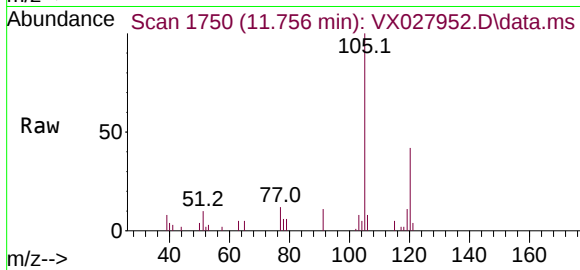




#84
 1,2,4-Trimethylbenzene
 Concen: 1.836 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027952.D
 Acq: 04 Apr 2022 12:36

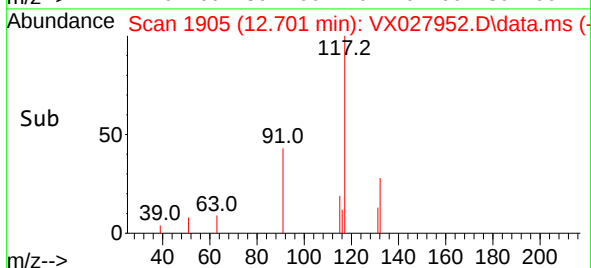
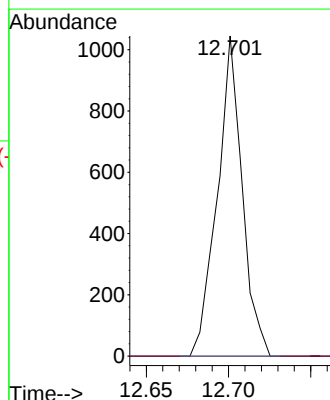
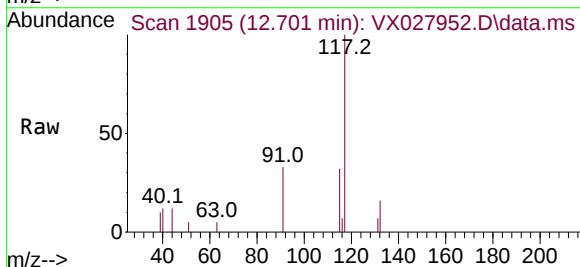
Instrument :
 MSVOA_X
 ClientSampleId :

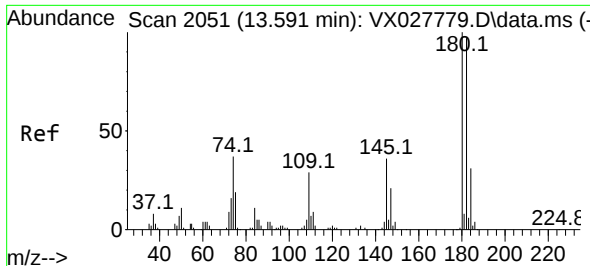
Tgt Ion:105 Resp: 5351
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.6 67.8



#90
 Hexachloroethane
 Concen: 2.354 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.159 min
 Lab File: VX027952.D
 Acq: 04 Apr 2022 12:36

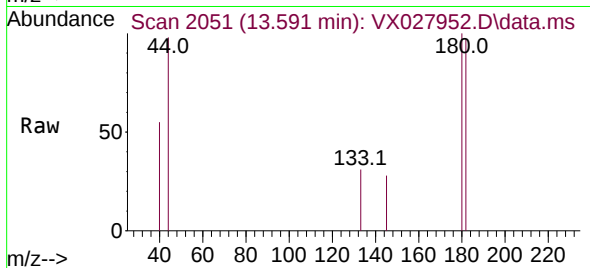
Tgt Ion:117 Resp: 1097
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#



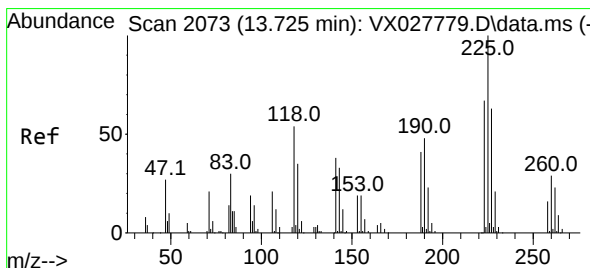
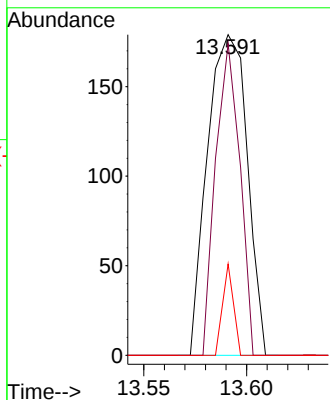
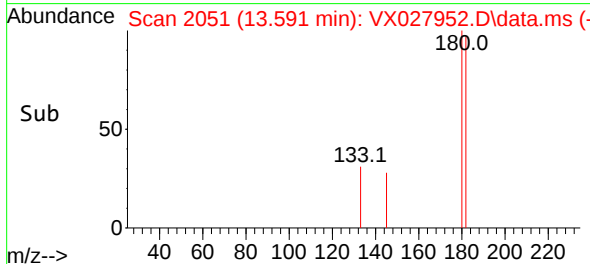


#93
1,2,4-Trichlorobenzene
Concen: 0.264 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

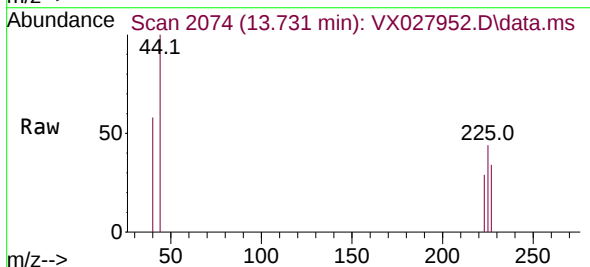
Instrument :
MSVOA_X
ClientSampleId :



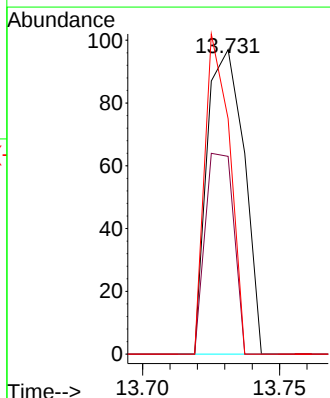
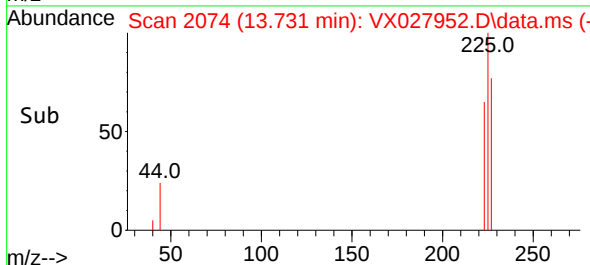
Tgt Ion:180 Resp: 241
Ion Ratio Lower Upper
180 100
182 58.9 47.7 143.1
145 7.9 15.2 45.5#

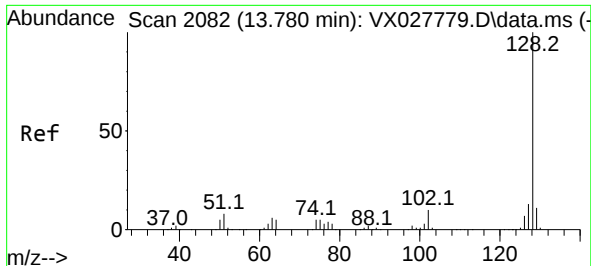


#94
Hexachlorobutadiene
Concen: 1.035 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36



Tgt Ion:225 Resp: 91
Ion Ratio Lower Upper
225 100
223 50.5 34.2 102.5
227 71.4 33.9 101.7

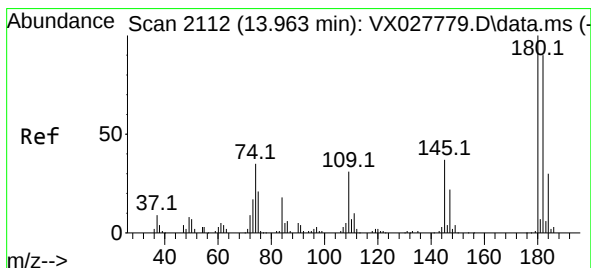
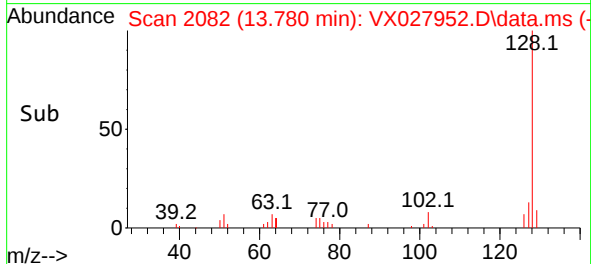
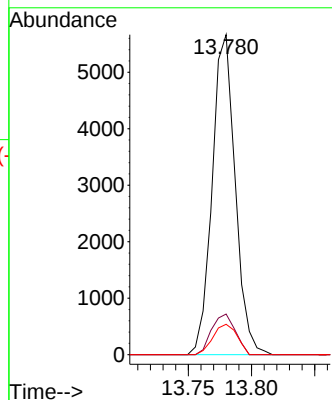
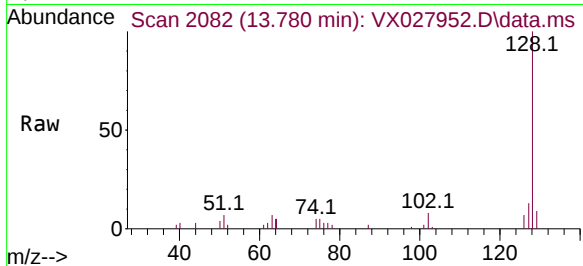




#95
Naphthalene
Concen: 2.249 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 7173
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.201 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX027952.D
Acq: 04 Apr 2022 12:36

Tgt Ion:180 Resp: 180
Ion Ratio Lower Upper
180 100
182 131.7 50.0 149.8
145 11.1 16.2 48.5#

