

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090922\
 Data File : VX031253.D
 Acq On : 09 Sep 2022 13:47
 Operator : JC/MD
 Sample : N4505-08DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CLI-77DL

Quant Time: Sep 09 15:27:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

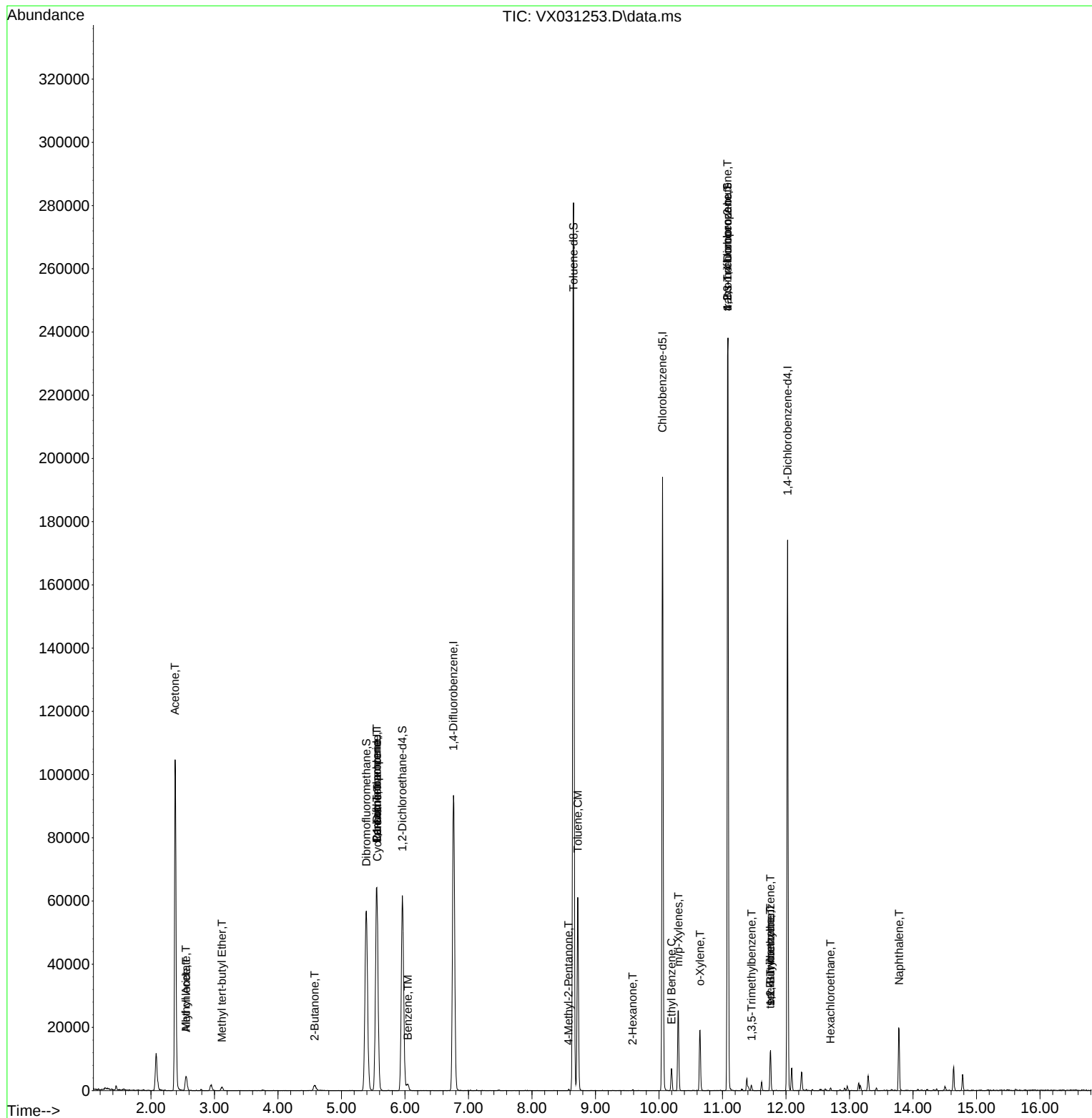
Internal Standards						
1) Pentafluorobenzene	5.556	168	50401	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	92680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	78653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	32007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73432	61.538	ug/l	0.00
Spiked Amount 50.000	Range	74 - 125	Recovery	=	123.080%	
35) Dibromofluoromethane	5.391	113	47817	47.345	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	94.700%	
50) Toluene-d8	8.653	98	166305	45.322	ug/l	0.00
Spiked Amount 50.000	Range	86 - 113	Recovery	=	90.640%	
62) 4-Bromofluorobenzene	11.079	95	65610	48.791	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	97.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1431	Below Cal	#	74
14) Allyl chloride	2.557	41	551	0.482	ug/l	# 33
16) Acetone	2.380	43	110429	267.274	ug/l	# 86
18) Methyl Acetate	2.550	43	1728	1.616	ug/l	# 51
19) Methyl tert-butyl Ether	3.117	73	1578	0.522	ug/l	# 84
25) 2-Butanone	4.574	43	1902	3.108	ug/l	93
31) Cyclohexane	5.562	56	1246	0.934	ug/l	# 32
36) 1,1-Dichloropropene	5.556	75	5312	3.512	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	6802	4.274	ug/l	# 18
40) Benzene	6.044	78	2716	0.661	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	309	0.239	ug/l	93
52) Toluene	8.720	92	21111	7.790	ug/l	98
59) 2-Hexanone	9.586	43	271	0.277	ug/l	# 24
67) Ethyl Benzene	10.195	91	4174	0.995	ug/l	90
68) m/p-Xylenes	10.305	106	5792	3.723	ug/l	82
69) o-Xylene	10.647	106	4052	2.610	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	37608	43.053	ug/l	# 37
80) 1,3,5-Trimethylbenzene	11.457	105	1160	0.496	ug/l	79
81) trans-1,4-Dichloro-2-b...	11.079	75	37608	138.842	ug/l	# 12
83) tert-Butylbenzene	11.750	119	785	0.341	ug/l	# 59
84) 1,2,4-Trimethylbenzene	11.756	105	6288	2.768	ug/l	90
85) sec-Butylbenzene	11.756	105	6288	2.204	ug/l	# 56
90) Hexachloroethane	12.701	117	536	1.354	ug/l	# 16
95) Naphthalene	13.780	128	12527	4.967	ug/l	# 97

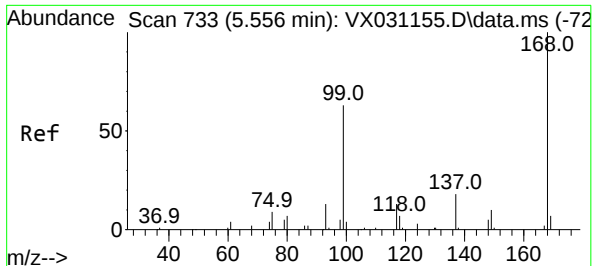
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

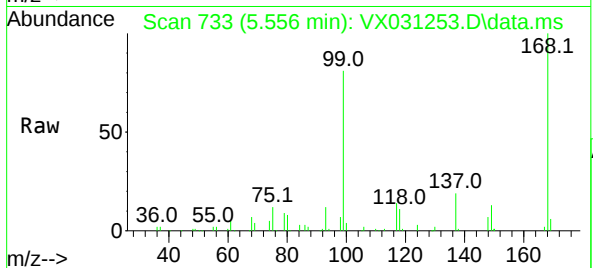
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Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 2022
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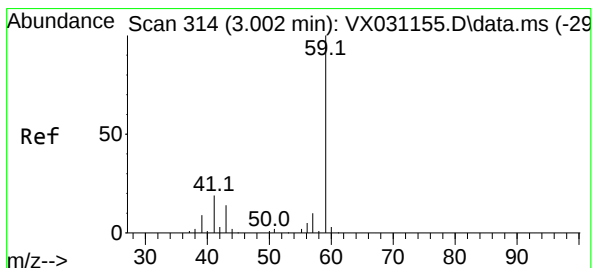
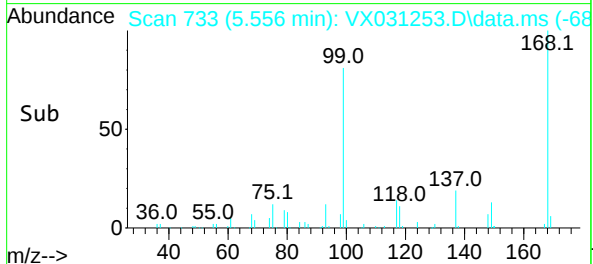
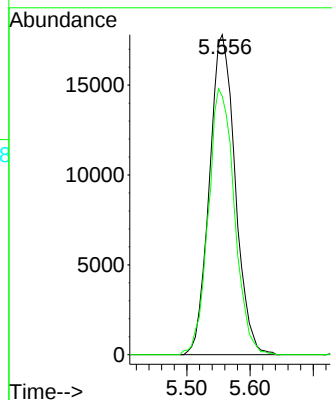


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

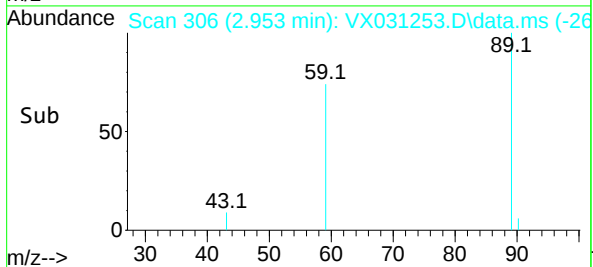
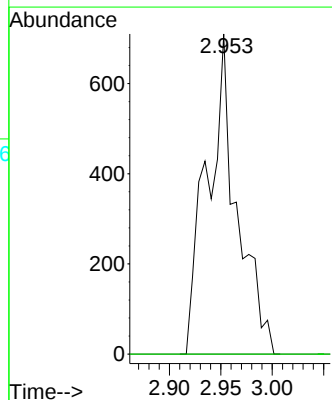
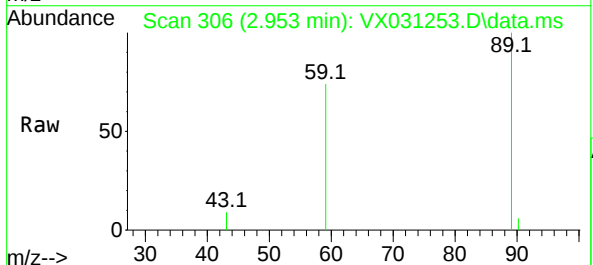


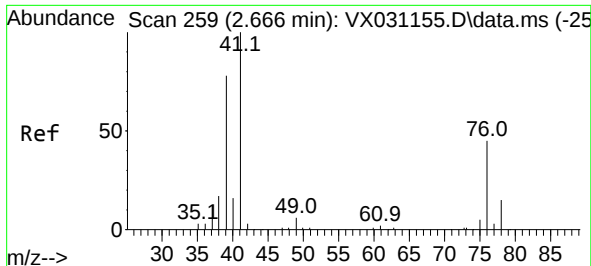
Tgt Ion:168 Resp: 50401
Ion Ratio Lower Upper
168 100
99 80.7 44.0 66.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.049 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 59 Resp: 1431
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

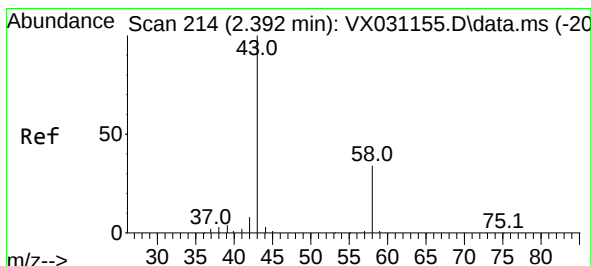
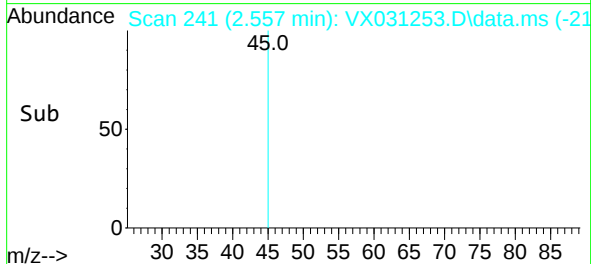
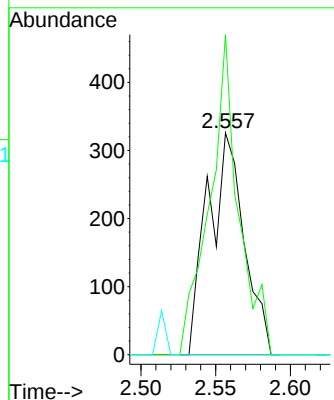
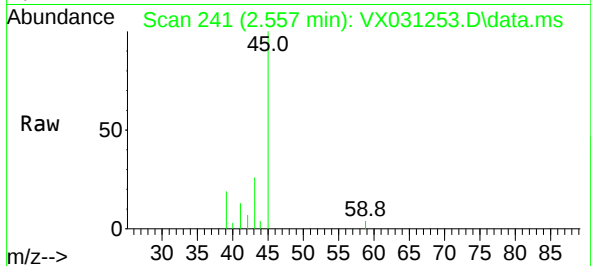




#14
 Allyl chloride
 Concen: 0.482 ug/l
 RT: 2.557 min Scan# 241
 Delta R.T. -0.110 min
 Lab File: VX031253.D
 Acq: 09 Sep 2022 13:47

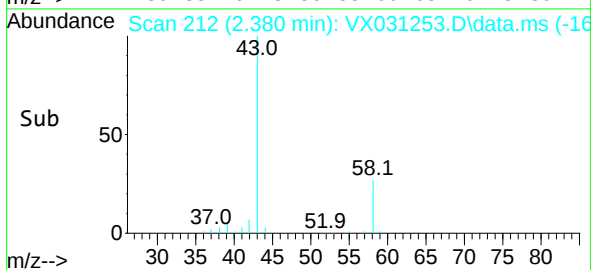
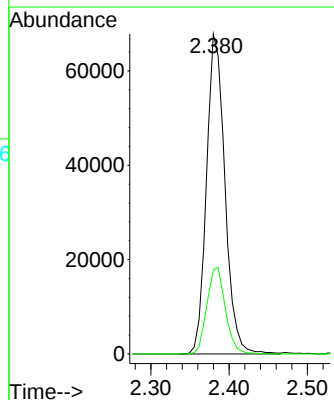
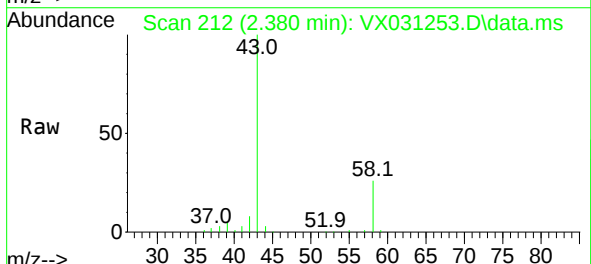
Instrument :
 MSVOA_X
 ClientSampleId :
 CLI-77DL

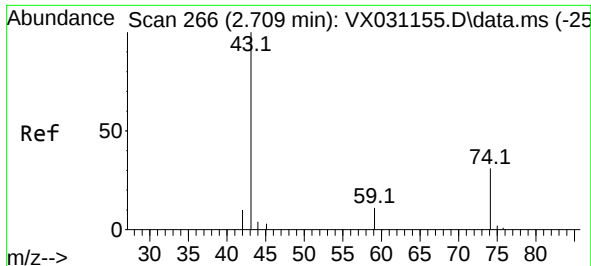
Tgt Ion: 41 Resp: 551
 Ion Ratio Lower Upper
 41 100
 39 115.4 48.9 73.3#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 267.274 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX031253.D
 Acq: 09 Sep 2022 13:47

Tgt Ion: 43 Resp: 110429
 Ion Ratio Lower Upper
 43 100
 58 26.3 27.7 41.5#

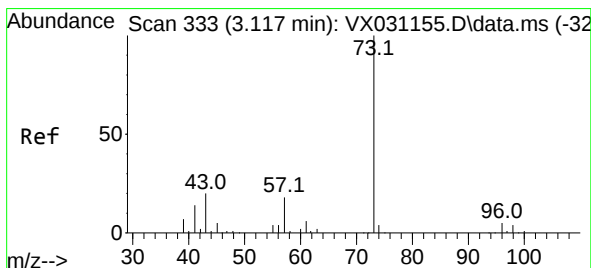
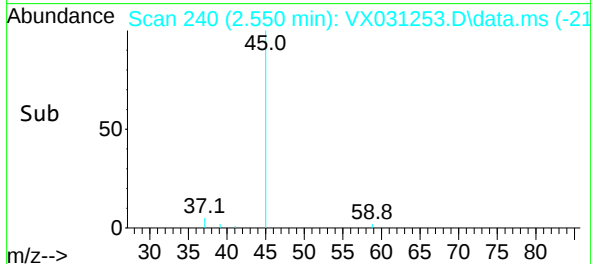
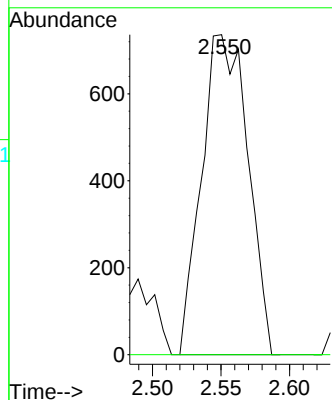
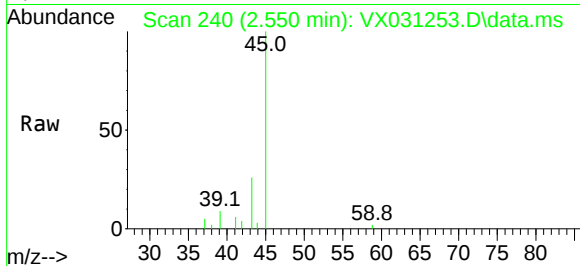




#18
Methyl Acetate
Concen: 1.616 ug/l
RT: 2.550 min Scan# 24
Delta R.T. -0.158 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

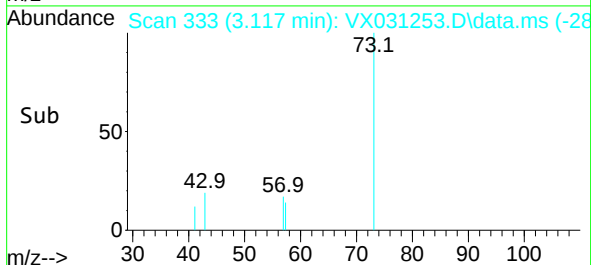
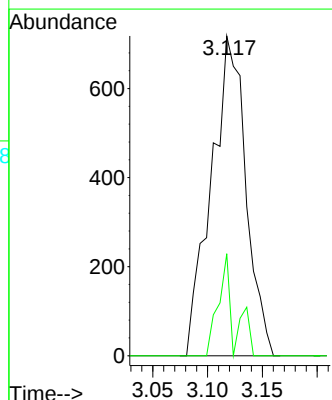
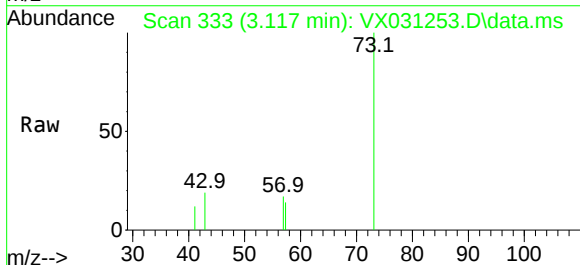
Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

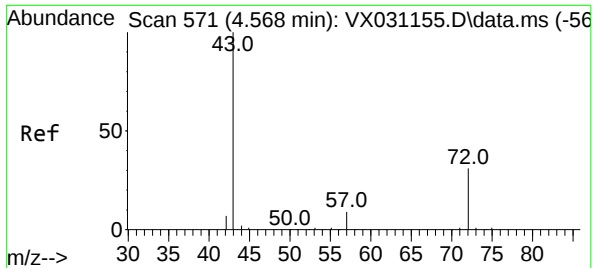
Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 0.522 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 73 Resp: 1578
Ion Ratio Lower Upper
73 100
57 31.9 19.0 28.6#

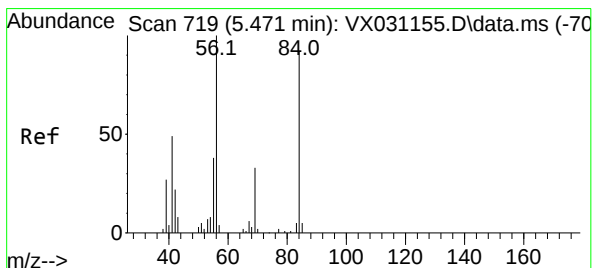
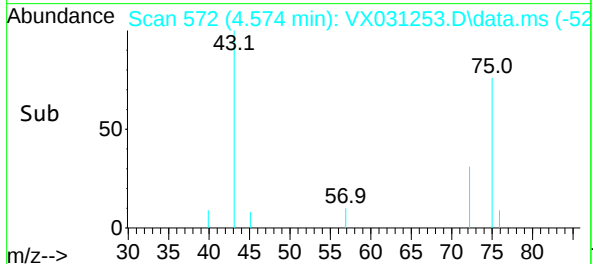
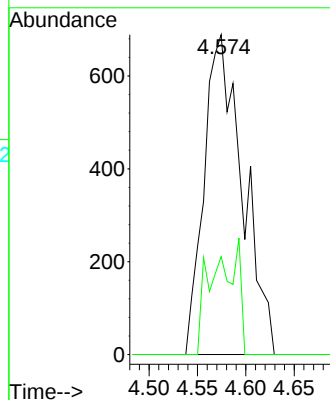
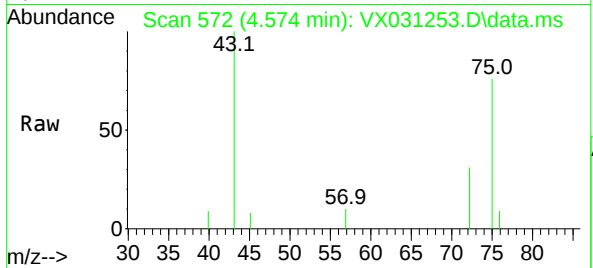




#25
2-Butanone
Concen: 3.108 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

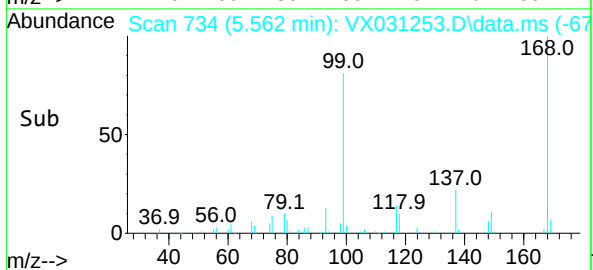
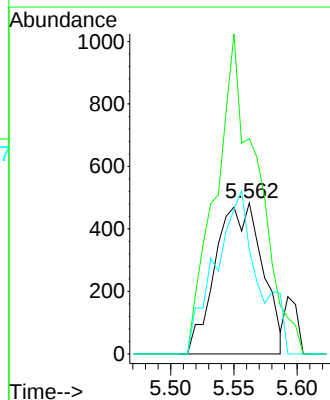
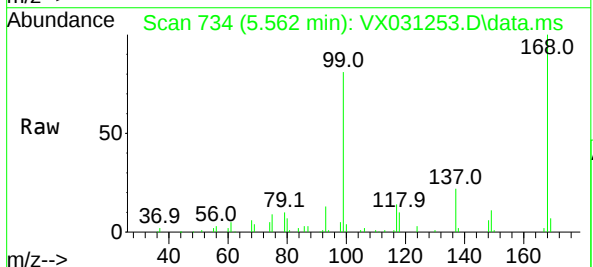
Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

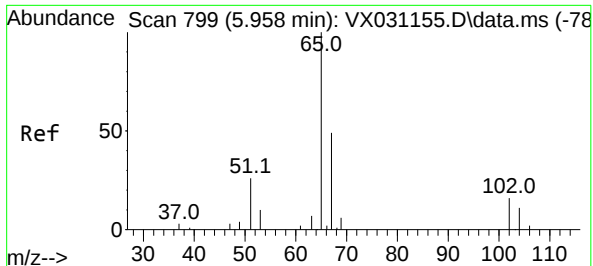
Tgt Ion: 43 Resp: 1902
Ion Ratio Lower Upper
43 100
72 30.6 21.7 32.5



#31
Cyclohexane
Concen: 0.934 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.092 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 56 Resp: 1246
Ion Ratio Lower Upper
56 100
69 142.7 25.4 38.0#
84 68.7 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 61.538 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

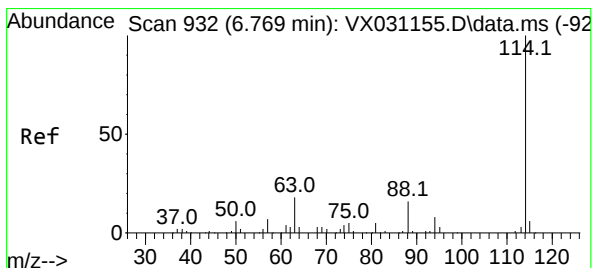
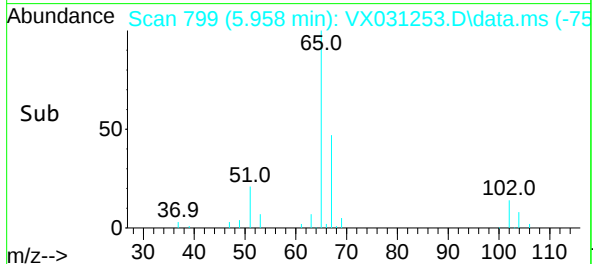
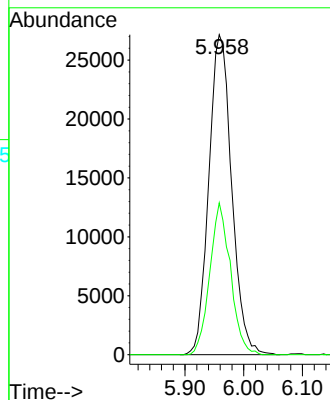
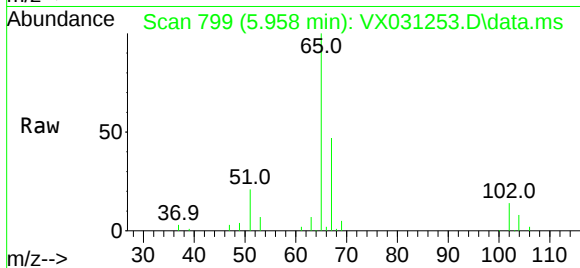
CLI-77DL

Tgt Ion: 65 Resp: 73432

Ion Ratio Lower Upper

65 100

67 42.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

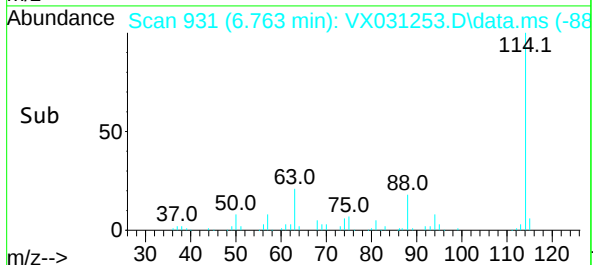
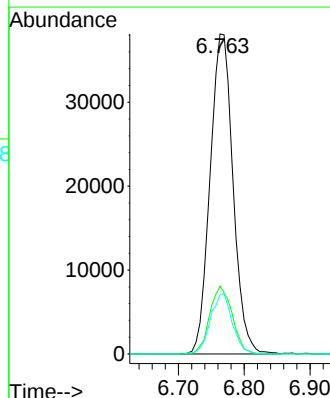
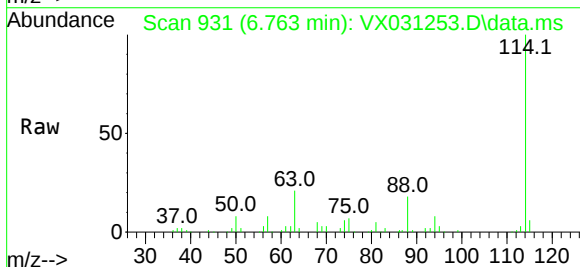
Tgt Ion: 114 Resp: 92680

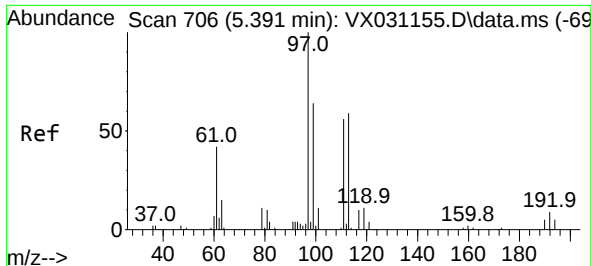
Ion Ratio Lower Upper

114 100

63 21.2 0.0 38.4

88 18.5 0.0 31.8

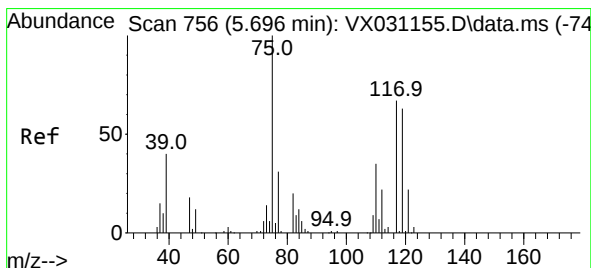
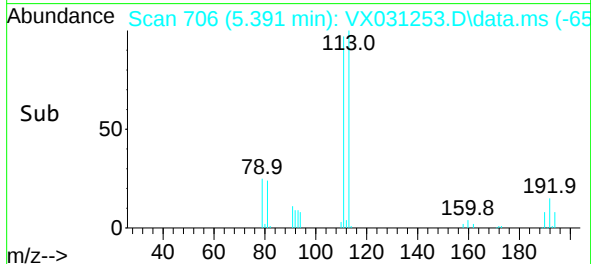
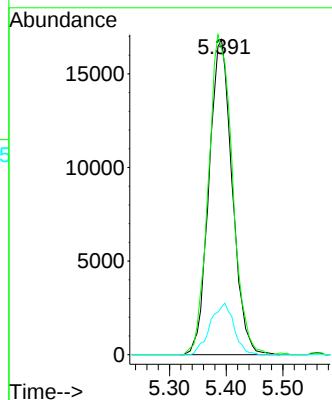
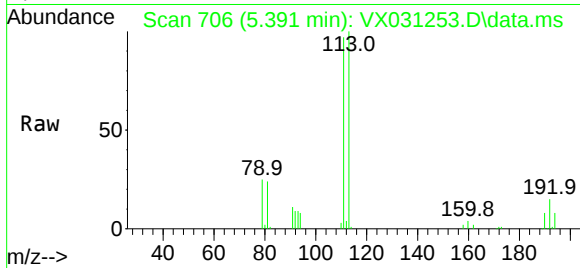




#35
Dibromofluoromethane
Concen: 47.345 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

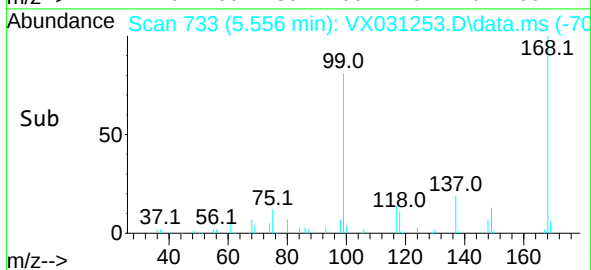
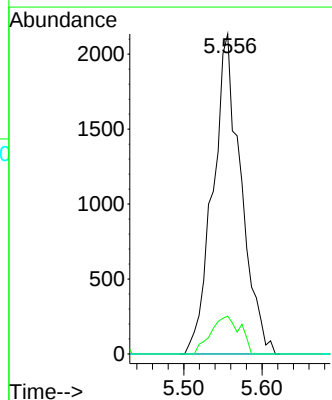
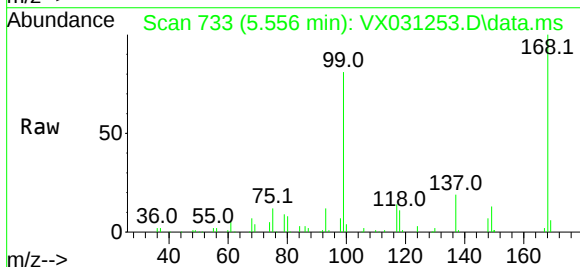
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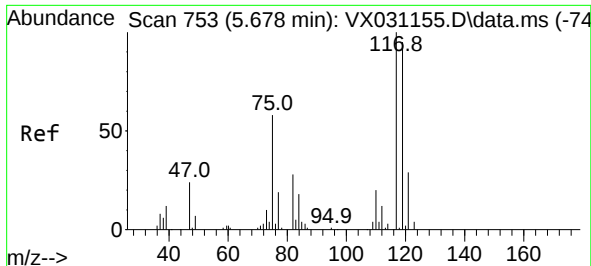
Tgt Ion:113 Resp: 47817
Ion Ratio Lower Upper
113 100
111 105.7 83.2 124.8
192 16.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.512 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

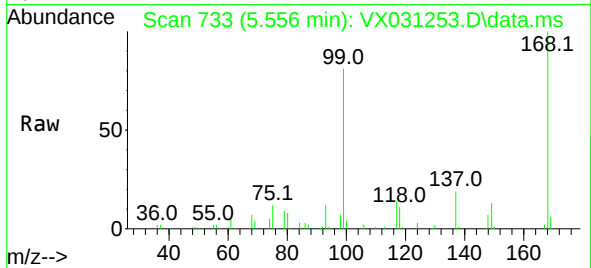
Tgt Ion: 75 Resp: 5312
Ion Ratio Lower Upper
75 100
110 12.3 19.3 57.9#
77 0.0 24.4 36.6#



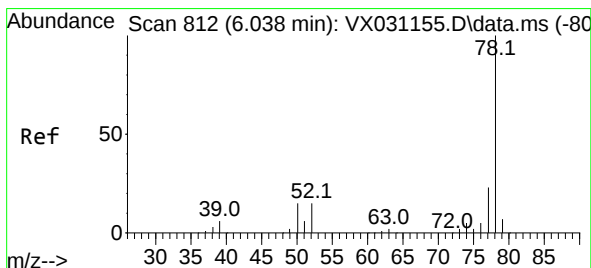
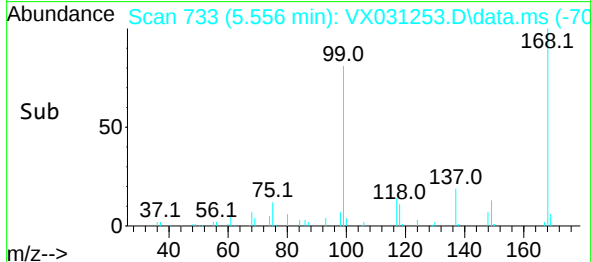
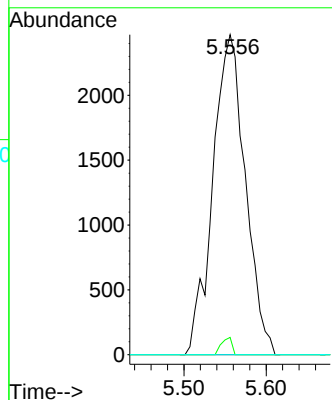


#38
Carbon Tetrachloride
Concen: 4.274 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

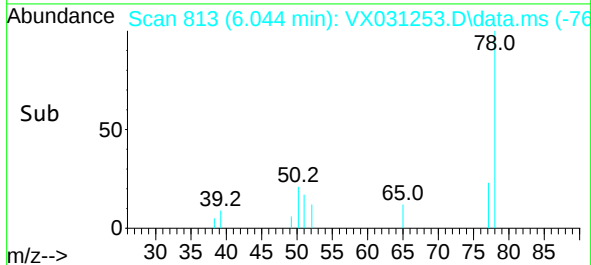
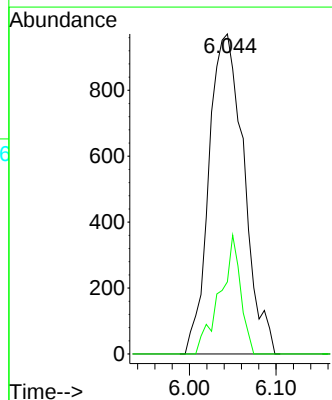
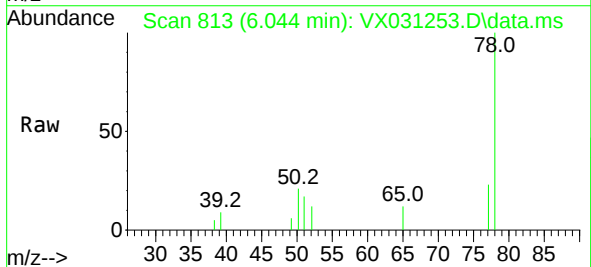


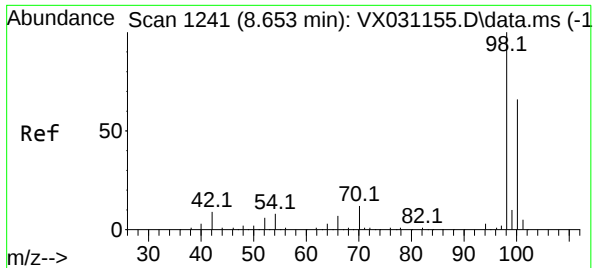
Tgt Ion:117 Resp: 6802
Ion Ratio Lower Upper
117 100
119 5.4 74.1 111.1#
121 0.0 25.8 38.8#



#40
Benzene
Concen: 0.661 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 78 Resp: 2716
Ion Ratio Lower Upper
78 100
77 22.6 18.0 27.0

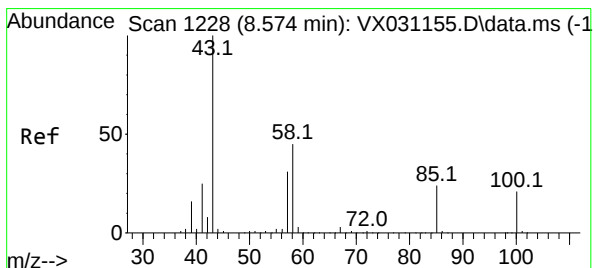
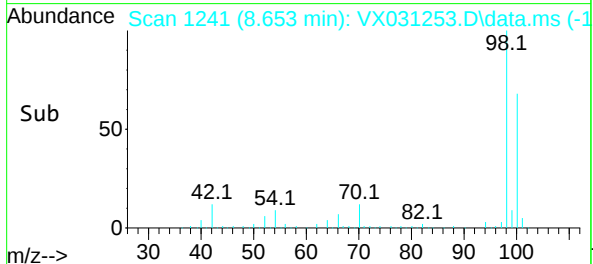
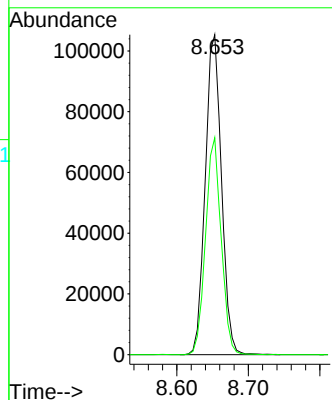
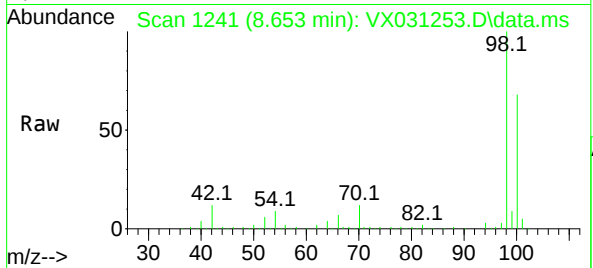




#50
Toluene-d8
Concen: 45.322 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

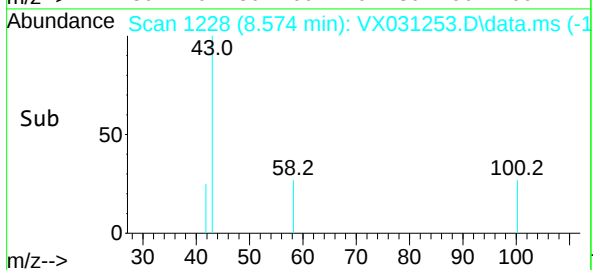
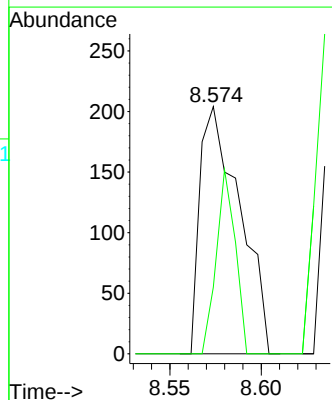
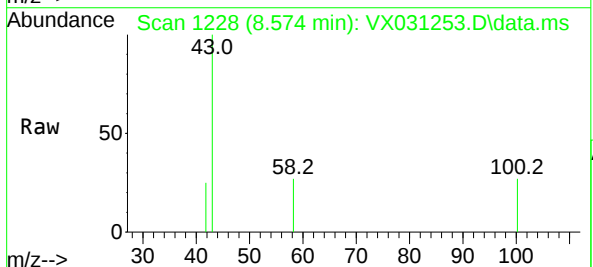
Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

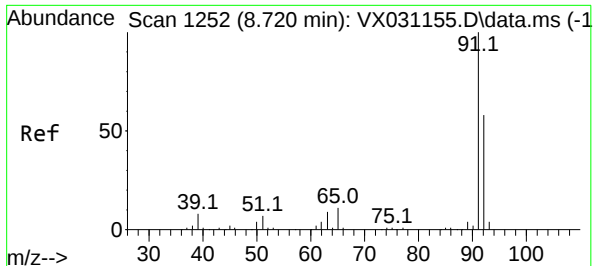
Tgt Ion: 98 Resp: 166305
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.239 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 43 Resp: 309
Ion Ratio Lower Upper
43 100
58 35.3 31.4 47.2

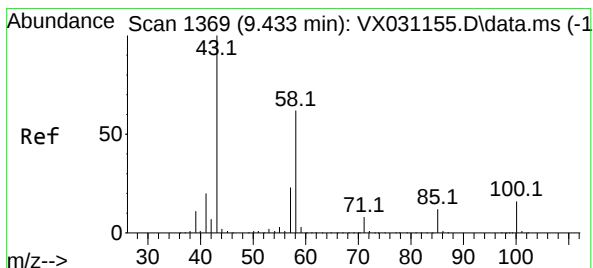
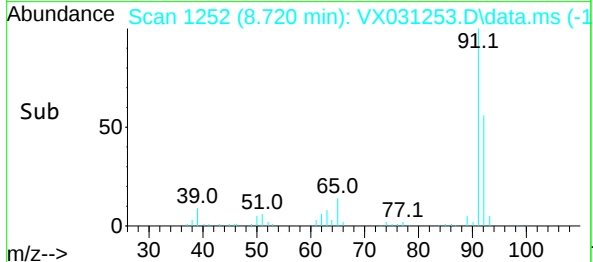
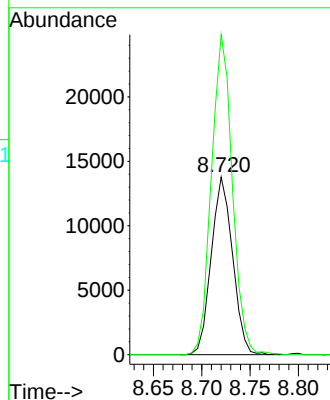
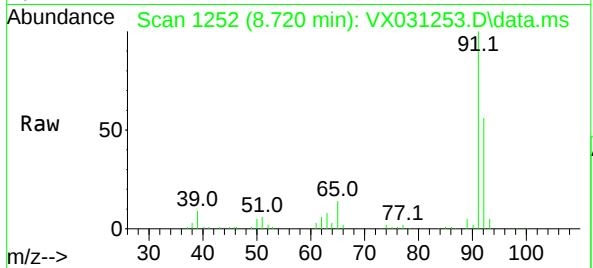




#52
Toluene
Concen: 7.790 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

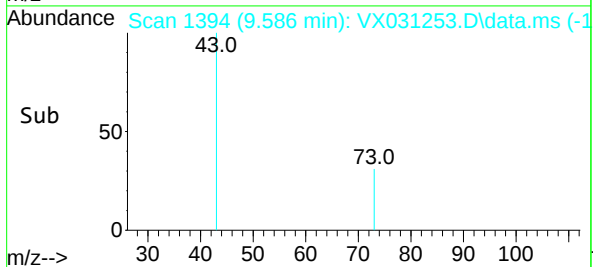
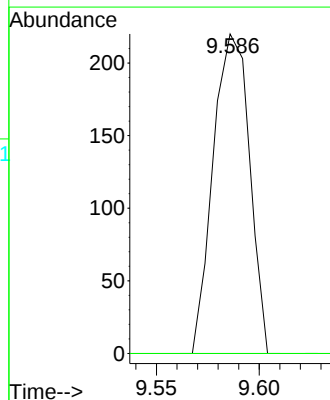
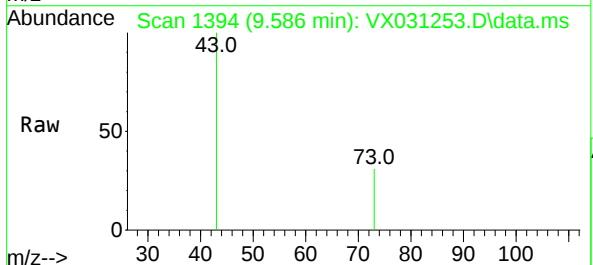
Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

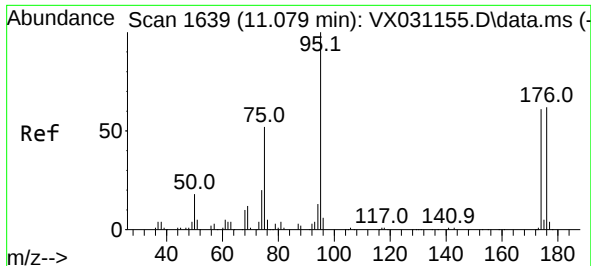
Tgt Ion: 92 Resp: 21111
Ion Ratio Lower Upper
92 100
91 176.8 139.2 208.8



#59
2-Hexanone
Concen: 0.277 ug/l
RT: 9.586 min Scan# 1394
Delta R.T. 0.152 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 43 Resp: 271
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 48.791 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

CLI-77DL

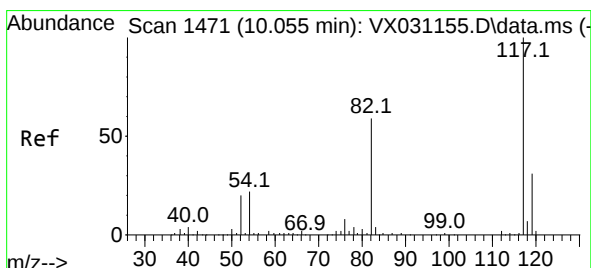
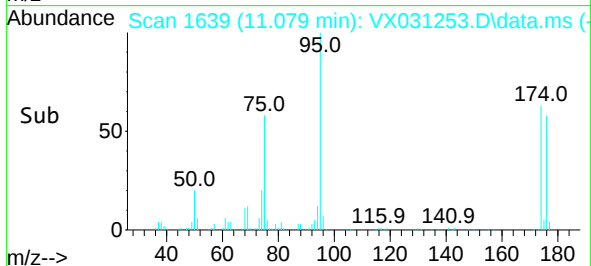
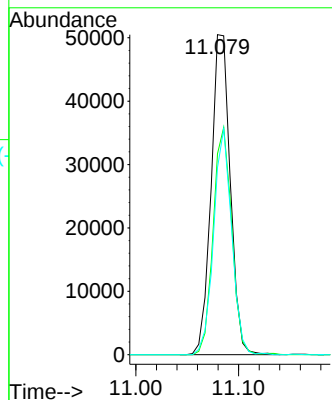
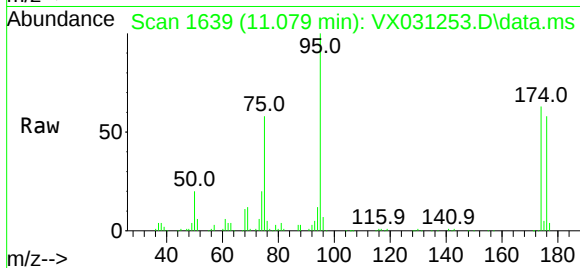
Tgt Ion: 95 Resp: 65610

Ion Ratio Lower Upper

95 100

174 68.6 0.0 149.0

176 66.3 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

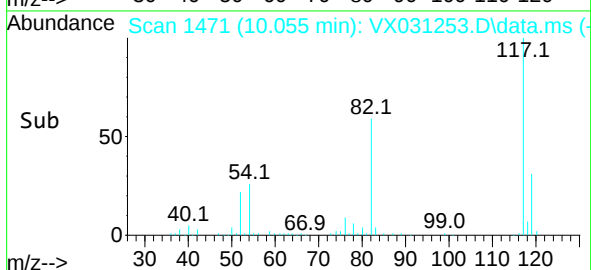
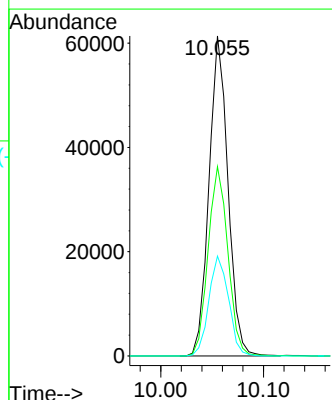
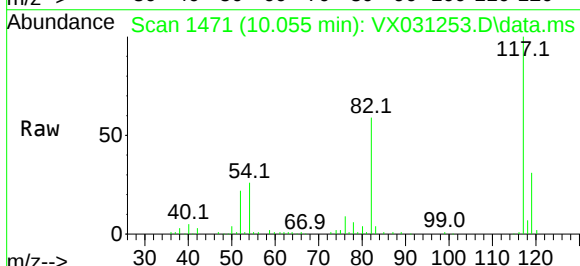
Tgt Ion: 117 Resp: 78653

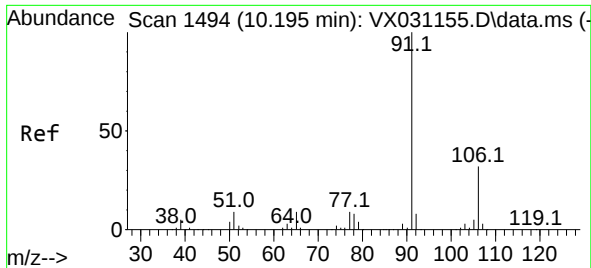
Ion Ratio Lower Upper

117 100

82 59.2 42.7 64.1

119 31.2 25.4 38.2

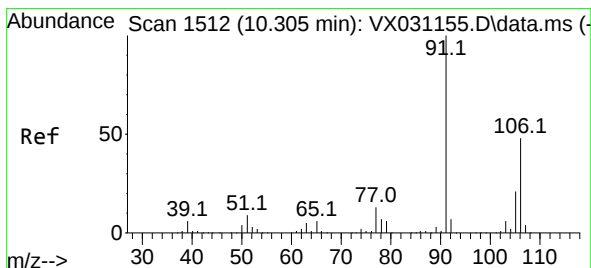
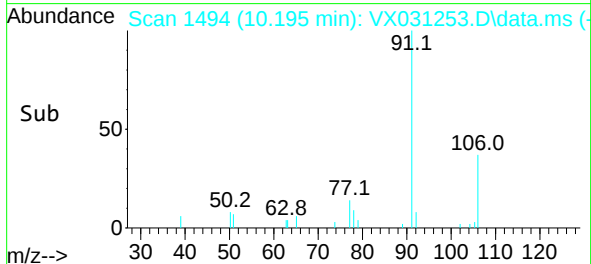
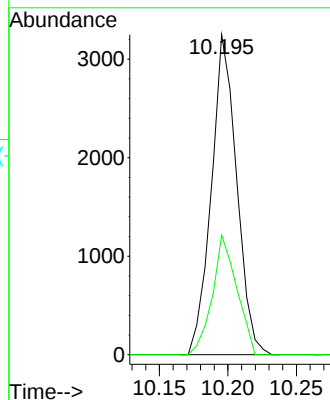
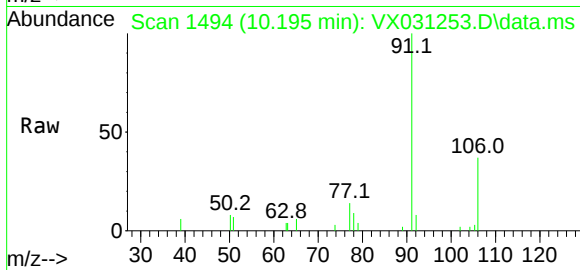




#67
Ethyl Benzene
Concen: 0.995 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

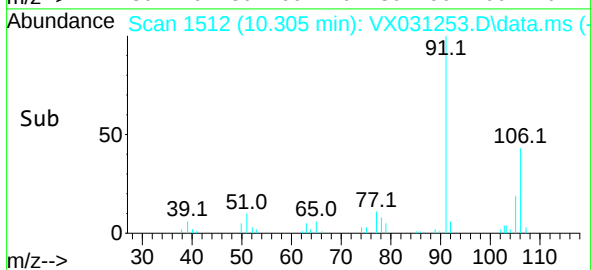
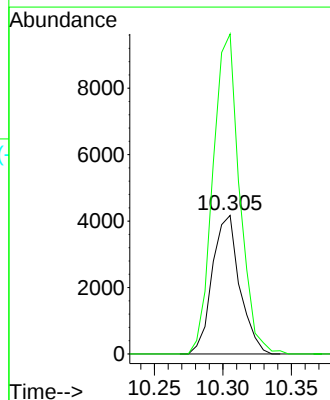
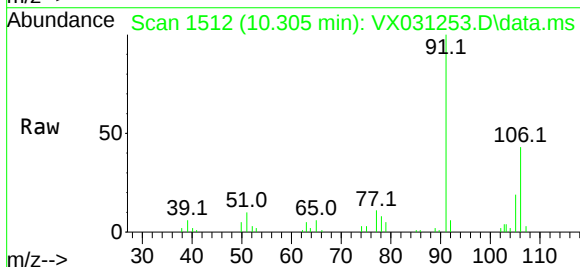
Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

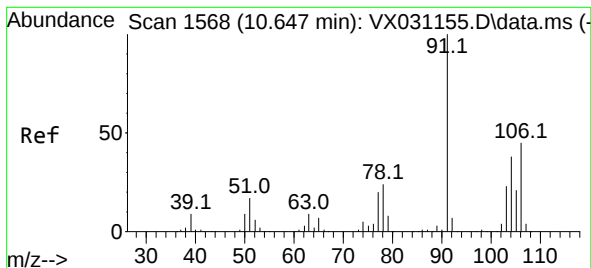
Tgt Ion: 91 Resp: 4174
Ion Ratio Lower Upper
91 100
106 37.4 25.5 38.3



#68
m/p-Xylenes
Concen: 3.723 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 106 Resp: 5792
Ion Ratio Lower Upper
106 100
91 225.1 158.2 237.4





#69

o-Xylene

Concen: 2.610 ug/l

RT: 10.647 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

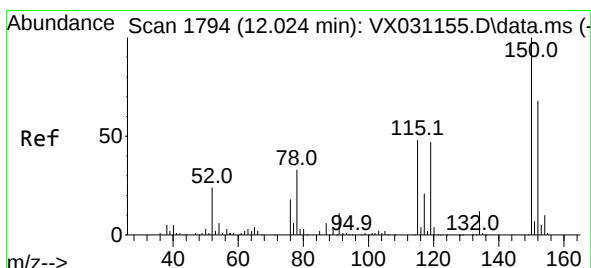
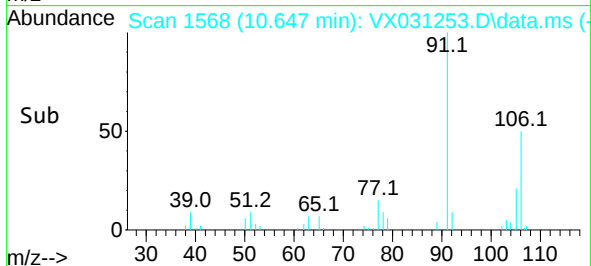
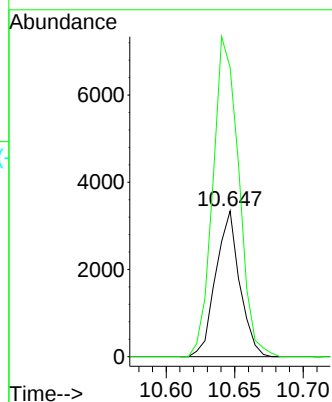
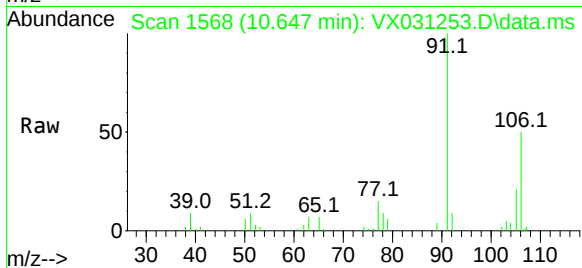
CLI-77DL

Tgt Ion:106 Resp: 4052

Ion Ratio Lower Upper

106 100

91 237.8 103.8 311.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

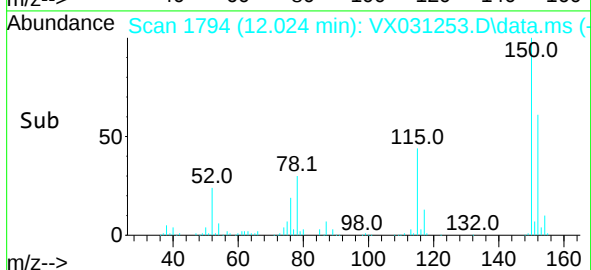
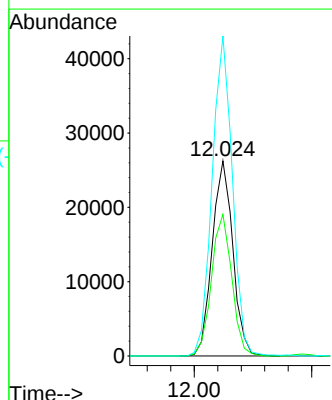
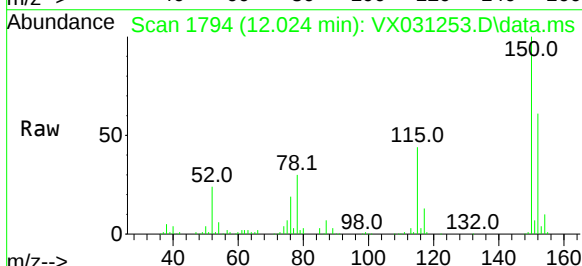
Tgt Ion:152 Resp: 32007

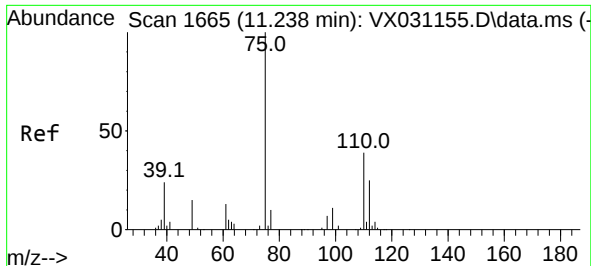
Ion Ratio Lower Upper

152 100

115 71.4 40.5 121.5

150 160.9 0.0 347.0

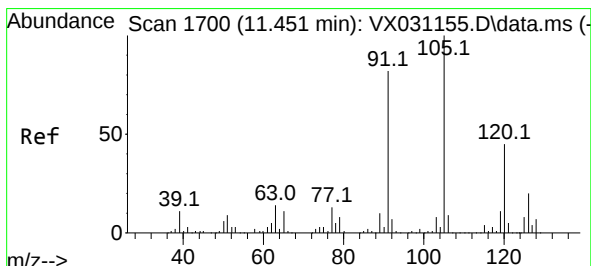
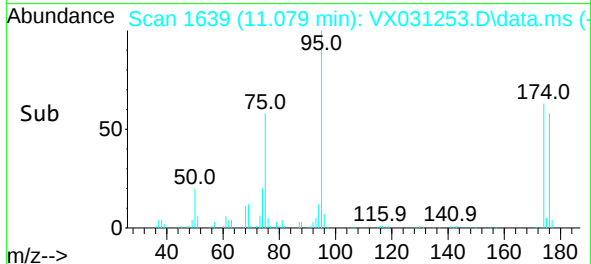
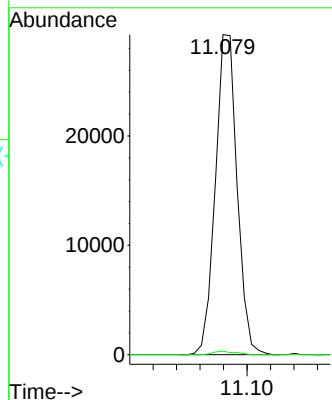
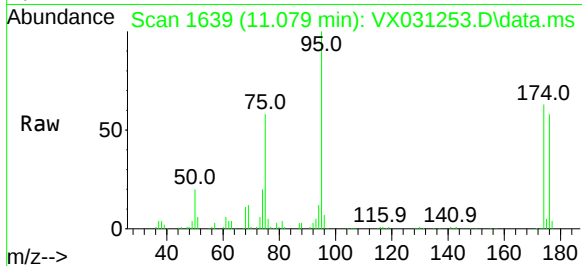




#76
1,2,3-Trichloropropane
Concen: 43.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

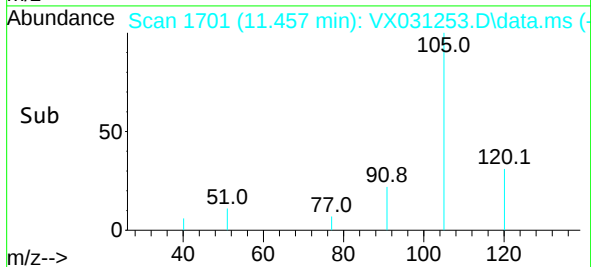
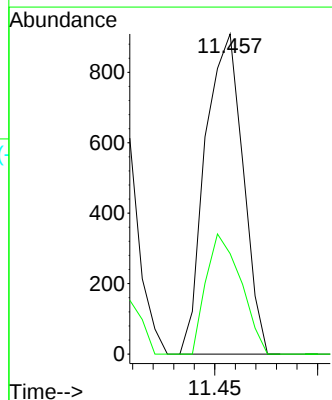
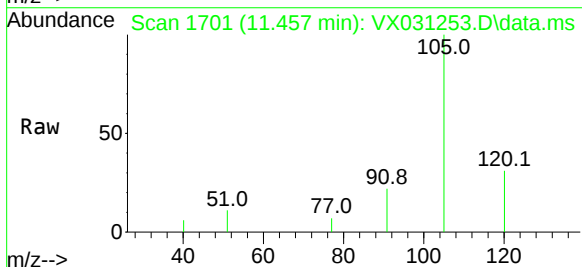
Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

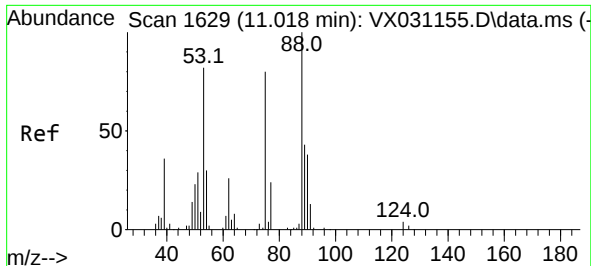
Tgt Ion: 75 Resp: 37608
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.496 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 105 Resp: 1160
Ion Ratio Lower Upper
105 100
120 34.7 24.4 73.2

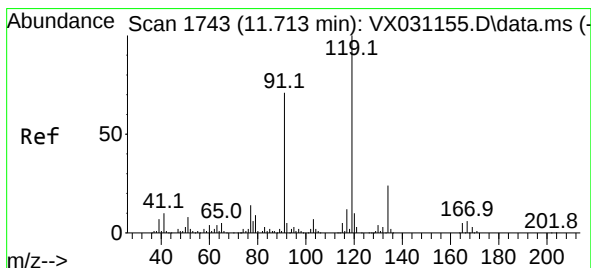
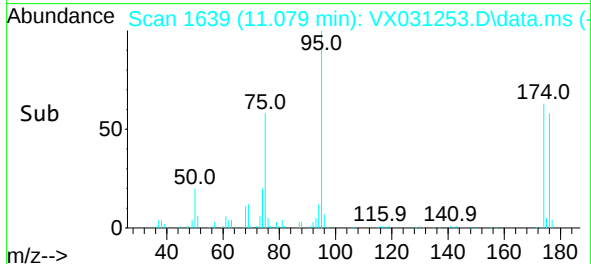
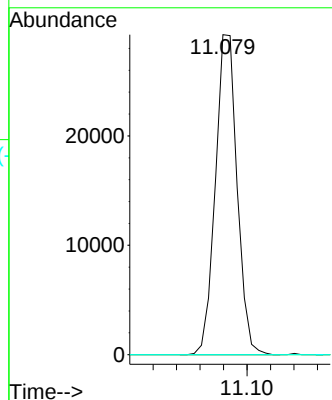
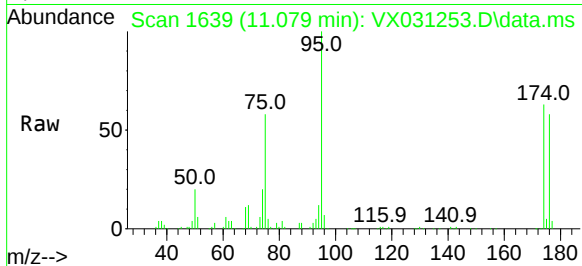




#81
trans-1,4-Dichloro-2-butene
Concen: 138.842 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

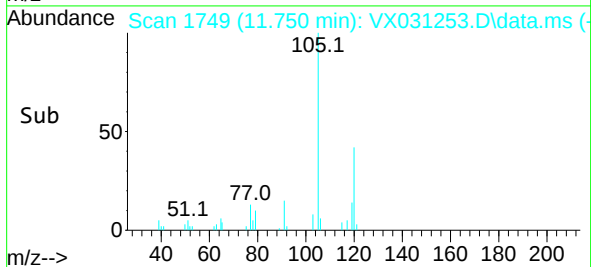
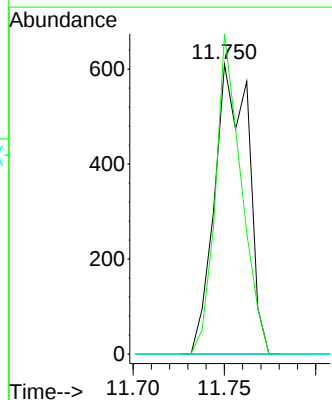
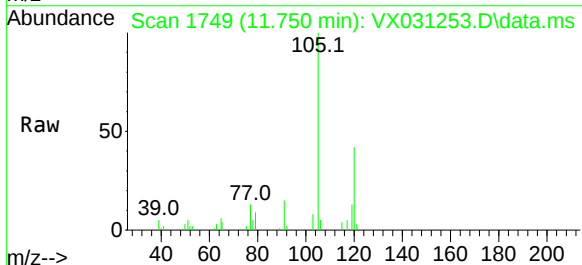
Instrument :
MSVOA_X
ClientSampleId :
CLI-77DL

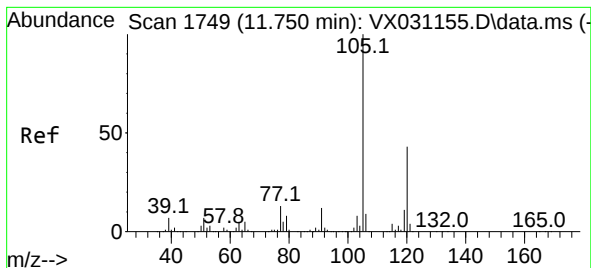
Tgt Ion: 75 Resp: 37608
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#83
tert-Butylbenzene
Concen: 0.341 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.037 min
Lab File: VX031253.D
Acq: 09 Sep 2022 13:47

Tgt Ion: 119 Resp: 785
Ion Ratio Lower Upper
119 100
91 84.6 28.3 84.9
134 0.0 11.2 33.5#





#84

1,2,4-Trimethylbenzene

Concen: 2.768 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

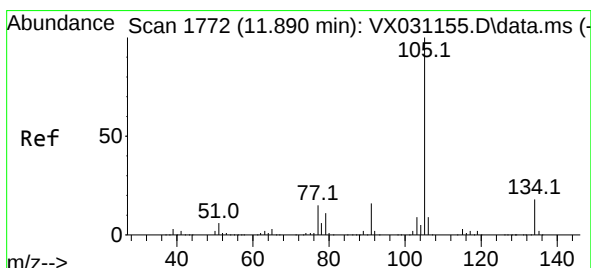
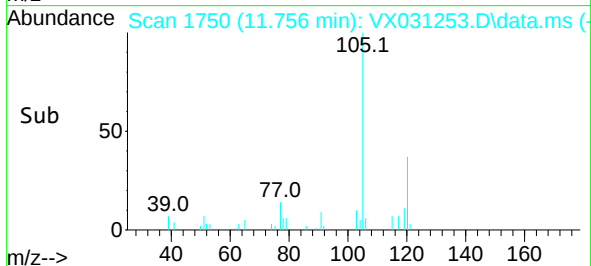
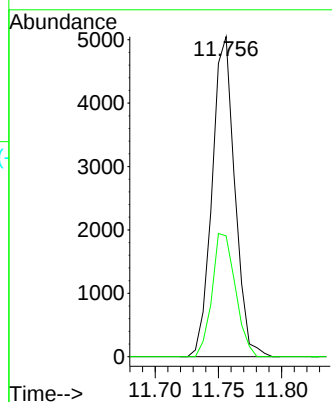
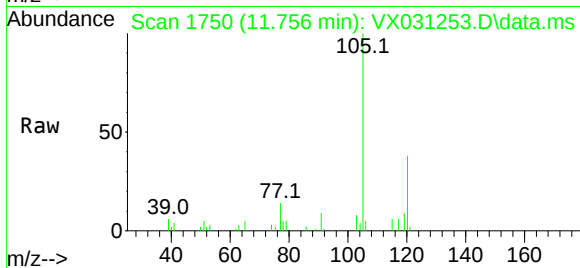
CLI-77DL

Tgt Ion:105 Resp: 6288

Ion Ratio Lower Upper

105 100

120 39.6 22.9 68.8



#85

sec-Butylbenzene

Concen: 2.204 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.134 min

Lab File: VX031253.D

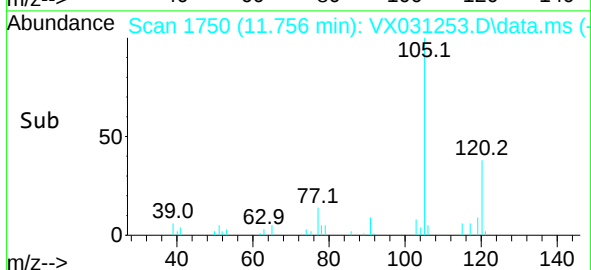
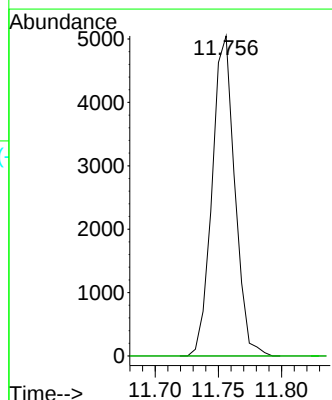
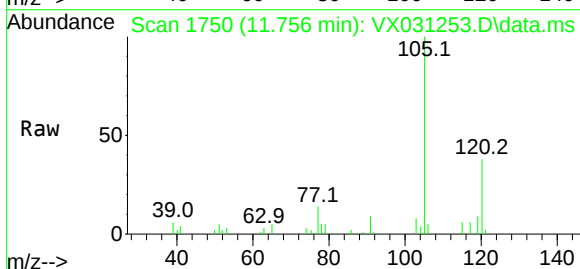
Acq: 09 Sep 2022 13:47

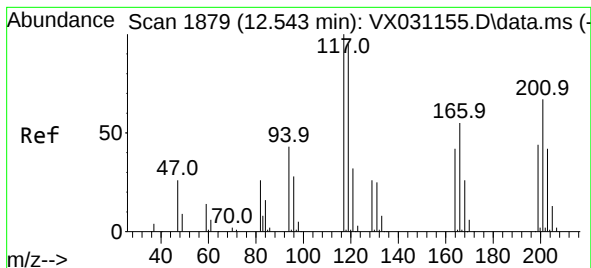
Tgt Ion:105 Resp: 6288

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#





#90

Hexachloroethane

Concen: 1.354 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.159 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

Instrument :

MSVOA_X

ClientSampleId :

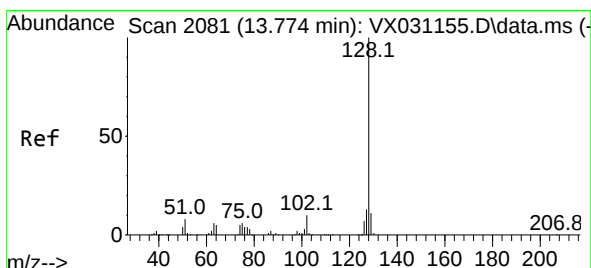
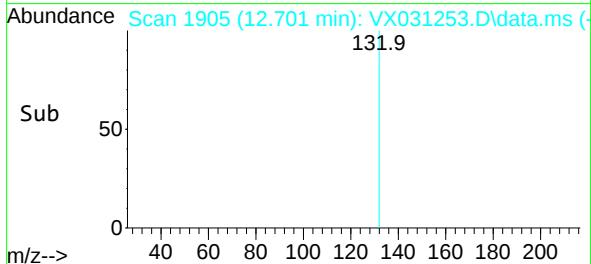
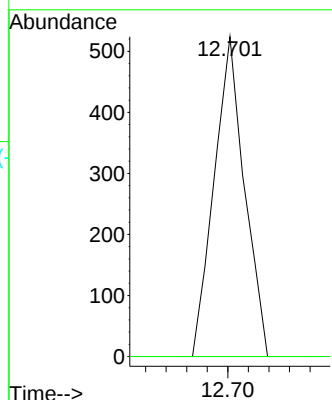
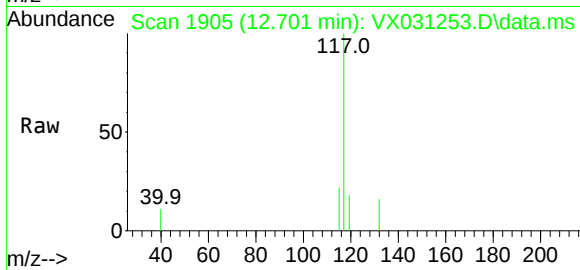
CLI-77DL

Tgt Ion:117 Resp: 536

Ion Ratio Lower Upper

117 100

201 0.0 34.2 102.5#



#95

Naphthalene

Concen: 4.967 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031253.D

Acq: 09 Sep 2022 13:47

Tgt Ion:128 Resp: 12527

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 13.2 8.6 13.0#

