

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090922\
 Data File : VX031251.D
 Acq On : 09 Sep 2022 13:00
 Operator : JC/MD
 Sample : N4505-05DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CLI-108DL

Quant Time: Sep 09 15:26:41 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)

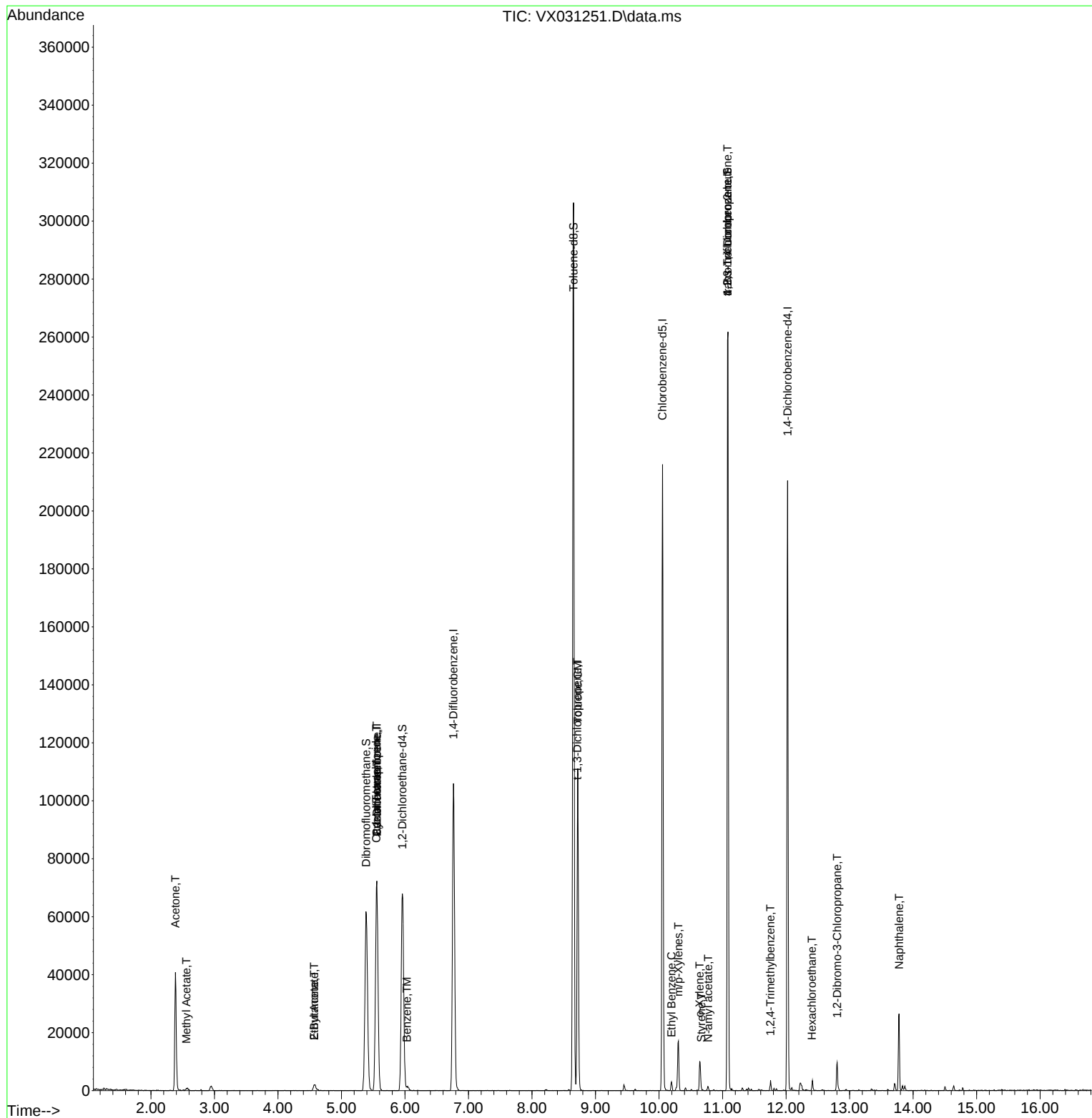
Internal Standards						
1) Pentafluorobenzene	5.556	168	57230	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	102331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80696	59.556	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	=	119.120%	
35) Dibromofluoromethane	5.385	113	53657	48.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	96.240%	
50) Toluene-d8	8.653	98	182140	44.956	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	=	89.920%	
62) 4-Bromofluorobenzene	11.079	95	72752	48.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	98.000%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	1181	Below Cal	#	74
16) Acetone	2.386	43	42788	91.203	ug/l	# 86
18) Methyl Acetate	2.556	43	361	0.297	ug/l	# 51
25) 2-Butanone	4.568	43	2310	3.324	ug/l	92
31) Cyclohexane	5.556	56	1577	1.042	ug/l	# 11
36) 1,1-Dichloropropene	5.556	75	5769	3.455	ug/l	# 51
37) Ethyl Acetate	4.568	43	2310	1.559	ug/l	# 67
38) Carbon Tetrachloride	5.550	117	7219	4.109	ug/l	# 18
40) Benzene	6.031	78	911	0.201	ug/l	99
52) Toluene	8.720	92	39928	13.344	ug/l	99
53) t-1,3-Dichloropropene	8.714	75	683	0.381	ug/l	# 1
67) Ethyl Benzene	10.195	91	2046	0.423	ug/l	# 80
68) m/p-Xylenes	10.305	106	3884	2.168	ug/l	81
69) o-Xylene	10.640	106	2231	1.248	ug/l	80
70) Styrene	10.665	104	631	0.220	ug/l	# 26
74) N-amyl acetate	10.774	43	869	0.825	ug/l	# 56
76) 1,2,3-Trichloropropane	11.079	75	43126	41.477	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	43126	133.759	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.756	105	1717	0.635	ug/l	74
90) Hexachloroethane	12.408	117	211	0.448	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	12.805	75	79	0.279	ug/l	# 1
95) Naphthalene	13.780	128	16188	5.392	ug/l	99

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

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ClientSampleId :
CLI-108DL

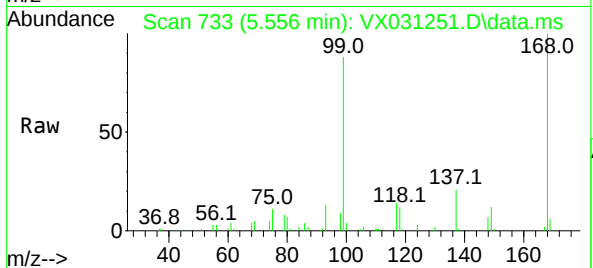
Quant Time: Sep 09 15:26:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 2022
Response via : Initial Calibration



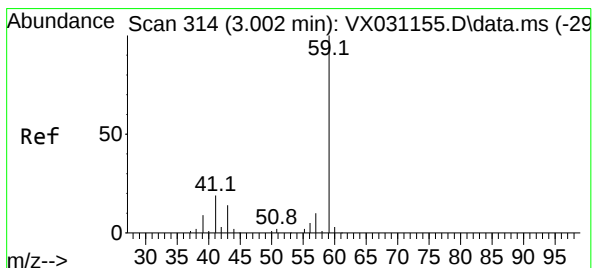
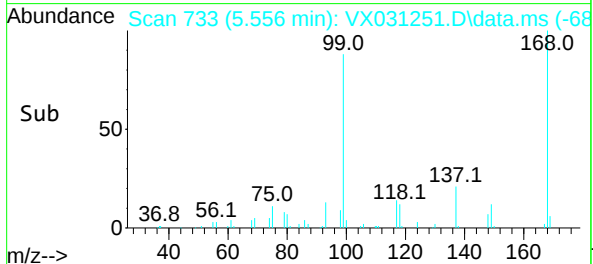
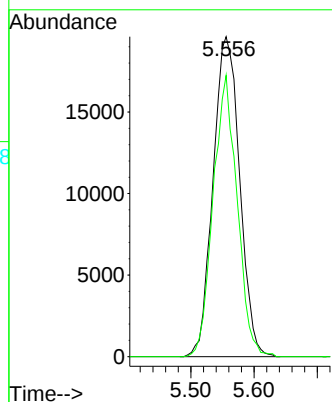


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

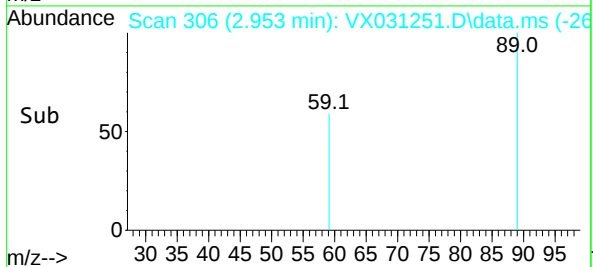
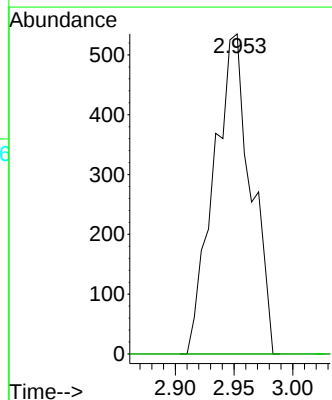
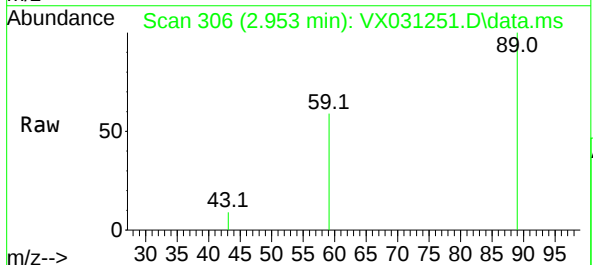


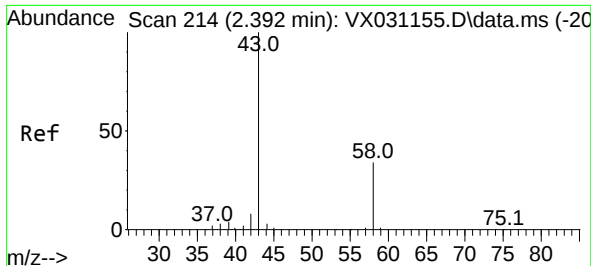
Tgt Ion:168 Resp: 57230
Ion Ratio Lower Upper
168 100
99 87.9 44.0 66.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.049 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 59 Resp: 1181
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

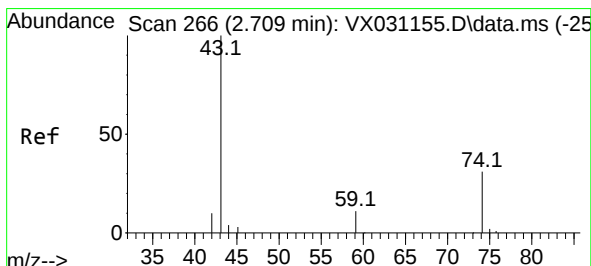
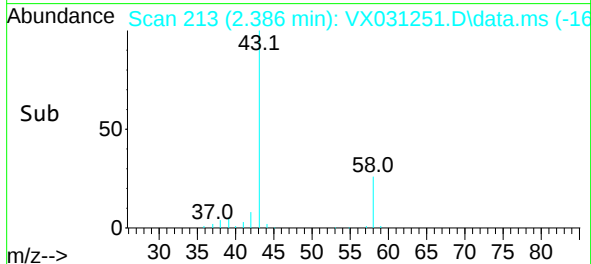
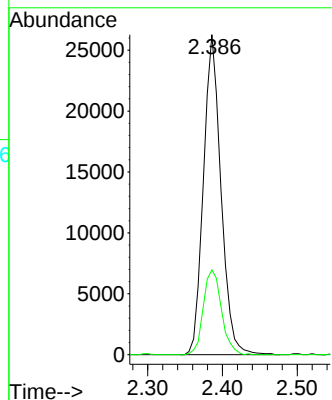
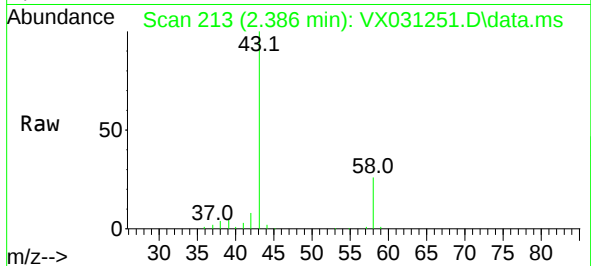




#16
Acetone
Concen: 91.203 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

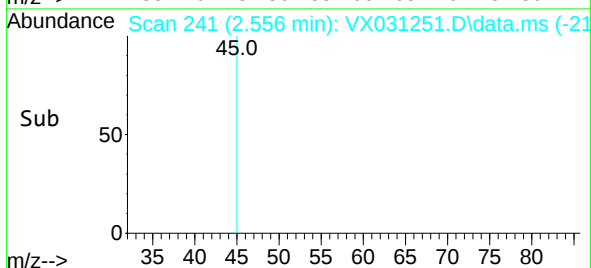
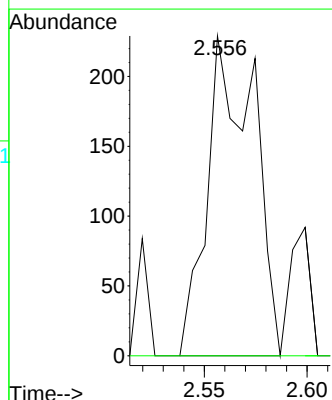
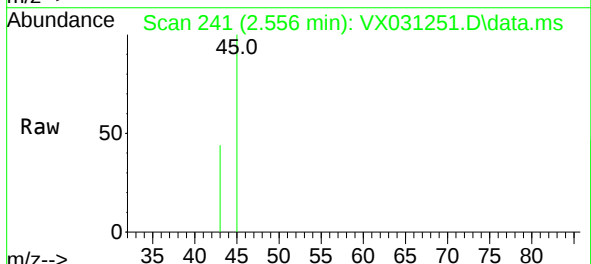
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

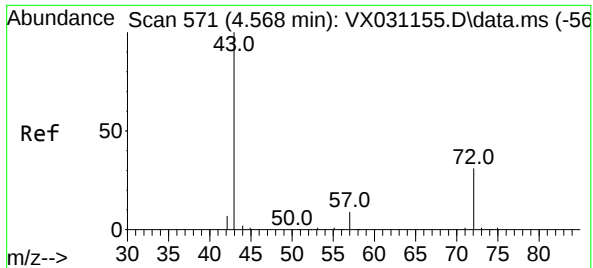
Tgt Ion: 43 Resp: 42788
Ion Ratio Lower Upper
43 100
58 26.5 27.7 41.5#



#18
Methyl Acetate
Concen: 0.297 ug/l
RT: 2.556 min Scan# 241
Delta R.T. -0.152 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

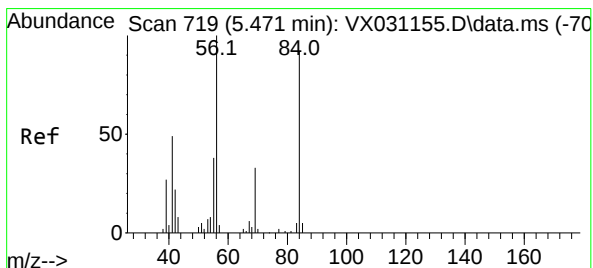
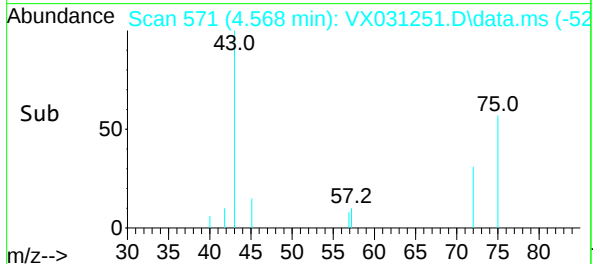
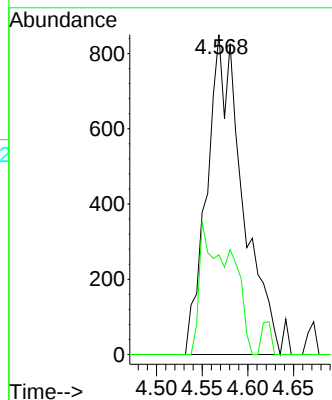
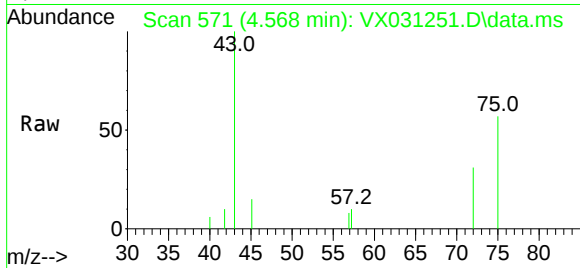




#25
2-Butanone
Concen: 3.324 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

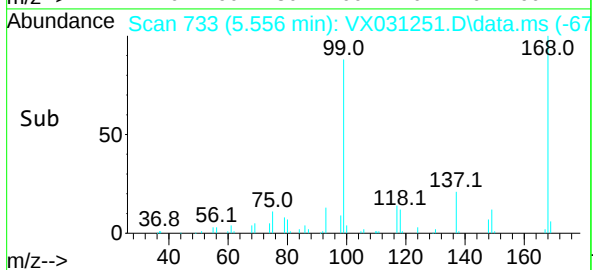
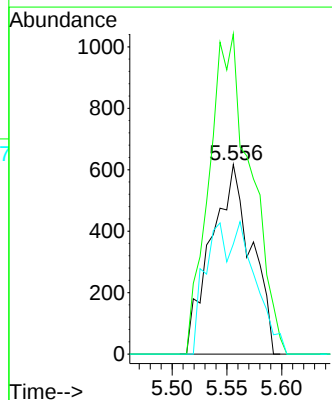
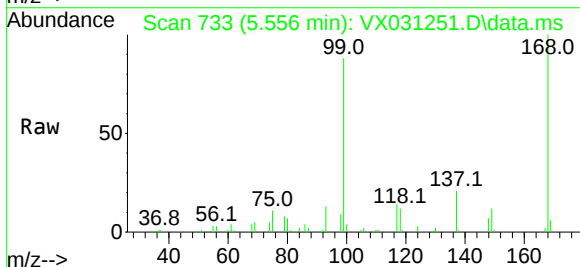
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

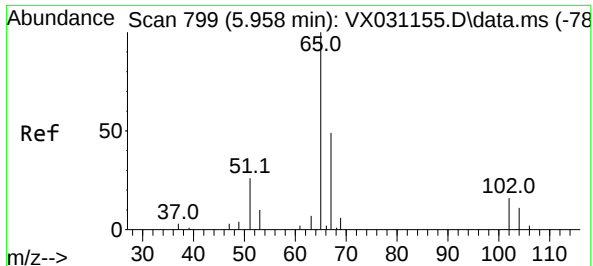
Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
72 31.2 21.7 32.5



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 56 Resp: 1577
Ion Ratio Lower Upper
56 100
69 168.9 25.4 38.0#
84 58.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 59.556 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031251.D

Acq: 09 Sep 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

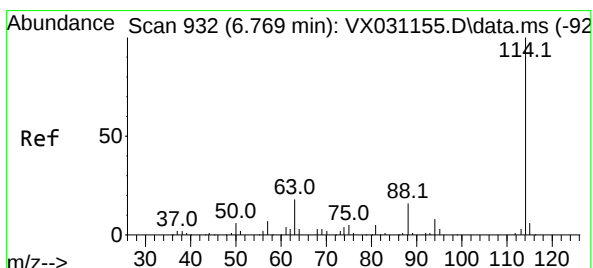
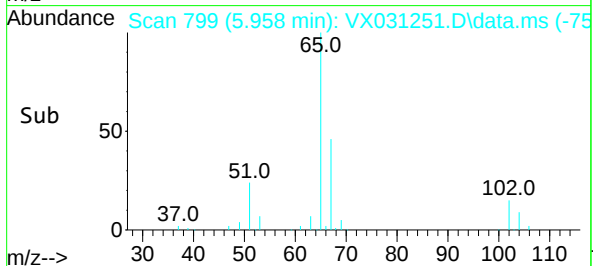
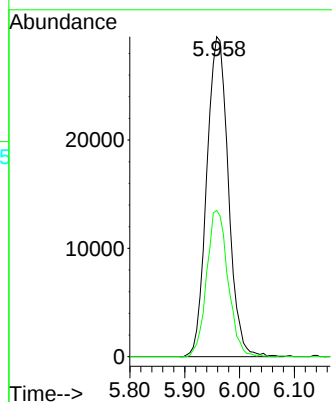
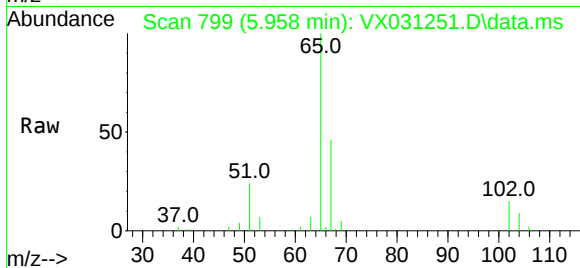
CLI-108DL

Tgt Ion: 65 Resp: 80696

Ion Ratio Lower Upper

65 100

67 45.3 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: VX031251.D

Acq: 09 Sep 2022 13:00

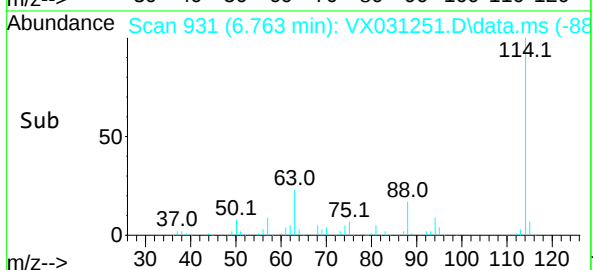
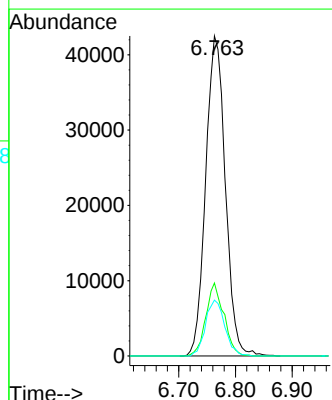
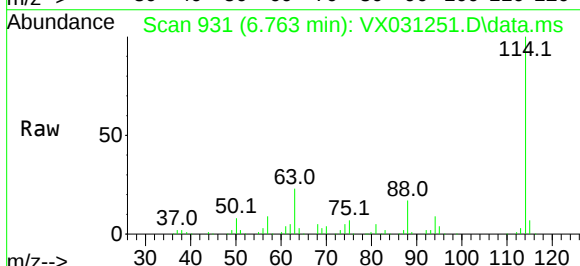
Tgt Ion: 114 Resp: 102331

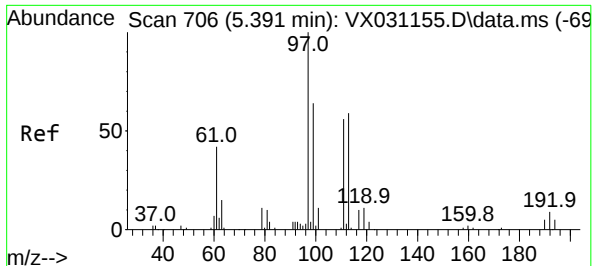
Ion Ratio Lower Upper

114 100

63 22.8 0.0 38.4

88 17.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.117 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX031251.D

Acq: 09 Sep 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

CLI-108DL

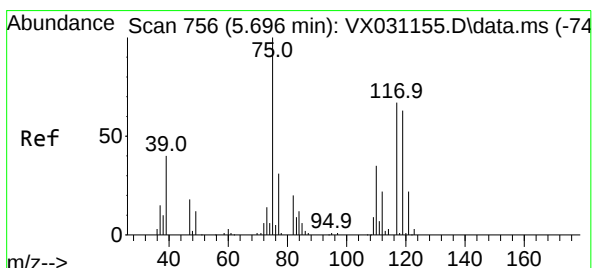
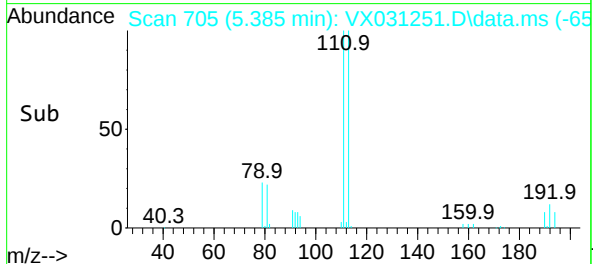
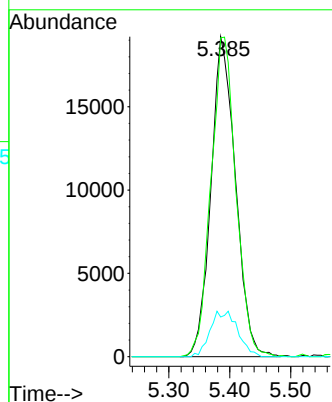
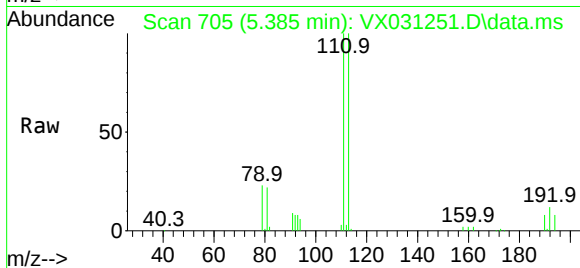
Tgt Ion:113 Resp: 53657

Ion Ratio Lower Upper

113 100

111 101.5 83.2 124.8

192 16.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.455 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031251.D

Acq: 09 Sep 2022 13:00

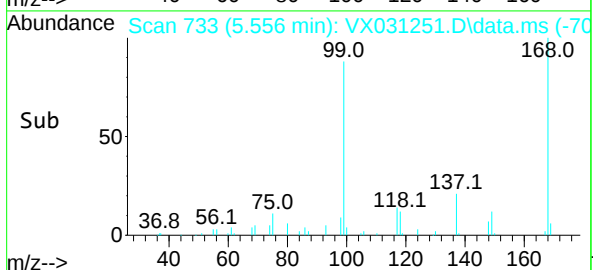
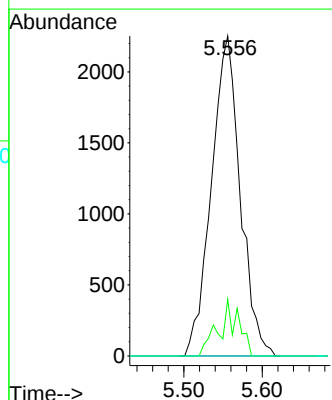
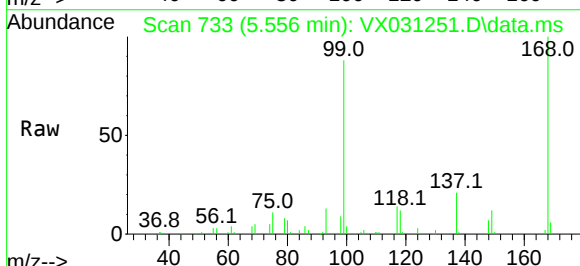
Tgt Ion: 75 Resp: 5769

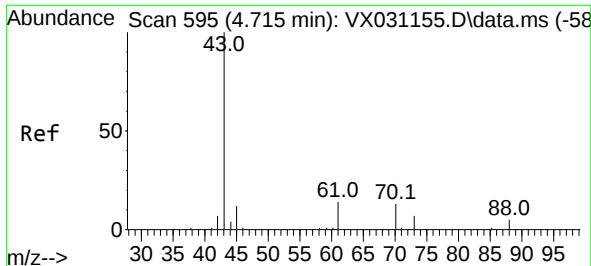
Ion Ratio Lower Upper

75 100

110 12.0 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.559 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX031251.D

Acq: 09 Sep 2022 13:00

Instrument :

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ClientSampleId :

CLI-108DL

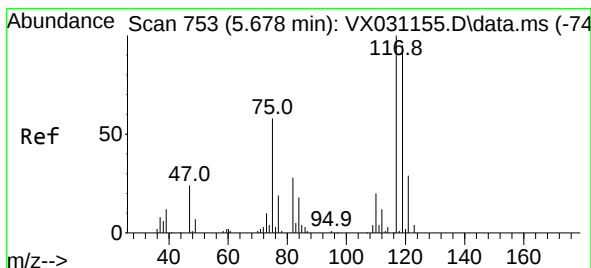
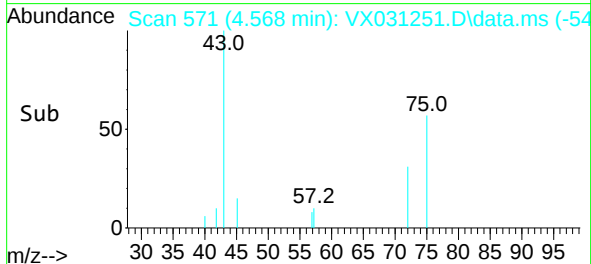
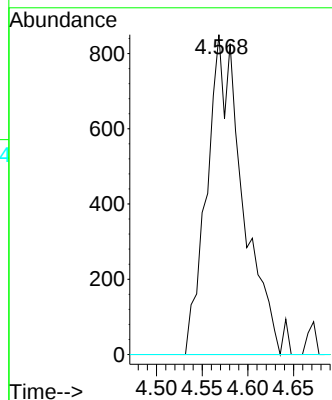
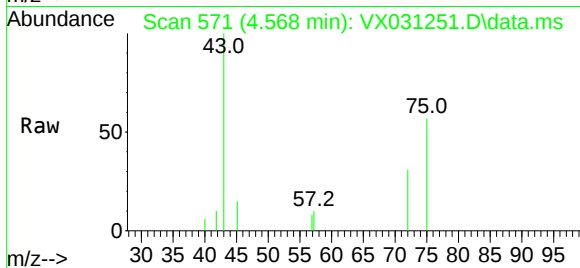
Tgt Ion: 43 Resp: 2310

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 4.109 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031251.D

Acq: 09 Sep 2022 13:00

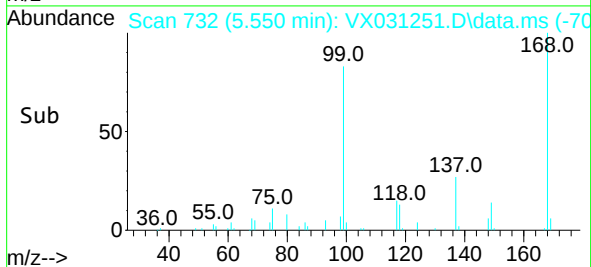
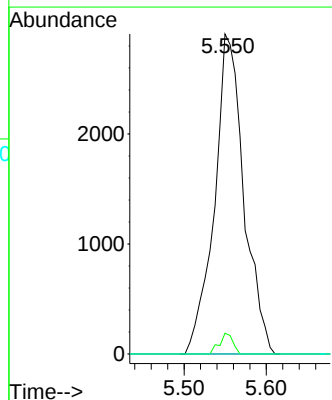
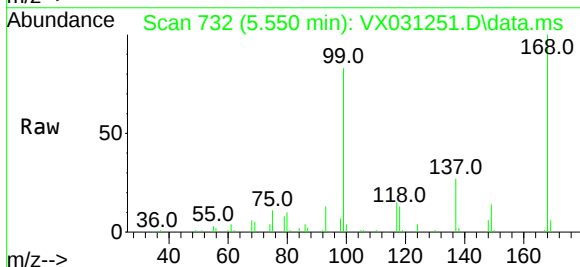
Tgt Ion: 117 Resp: 7219

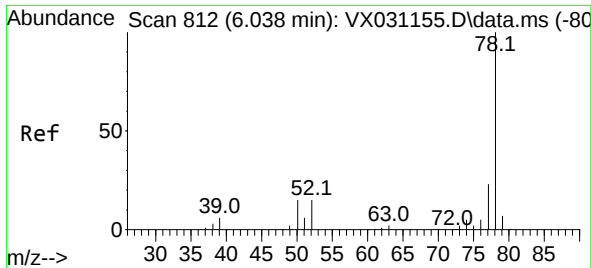
Ion Ratio Lower Upper

117 100

119 6.5 74.1 111.1#

121 0.0 25.8 38.8#

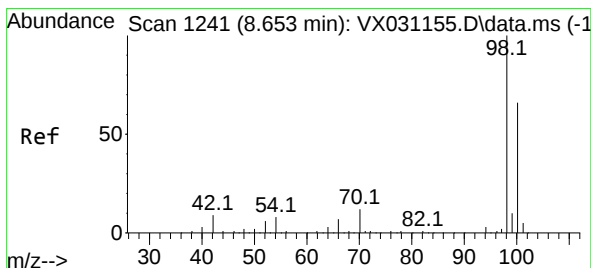
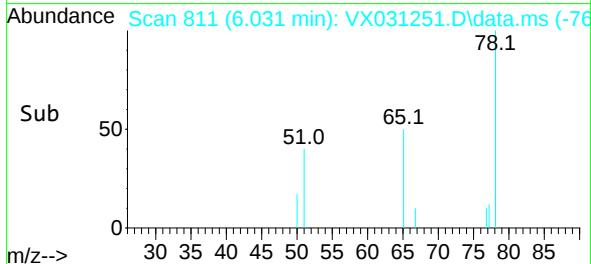
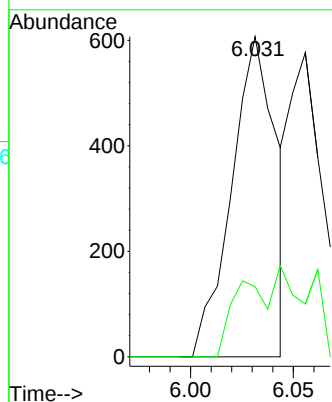
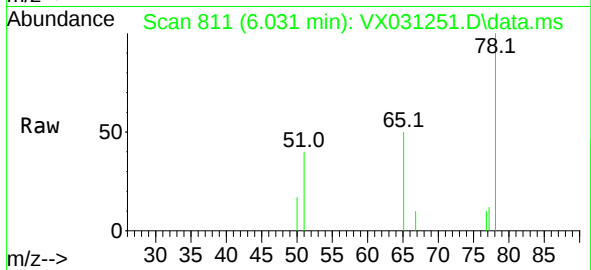




#40
Benzene
Concen: 0.201 ug/l
RT: 6.031 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

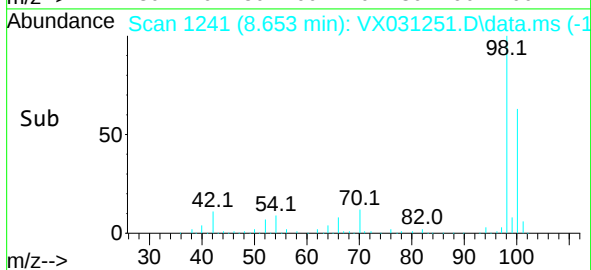
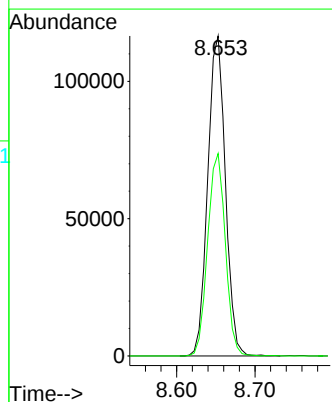
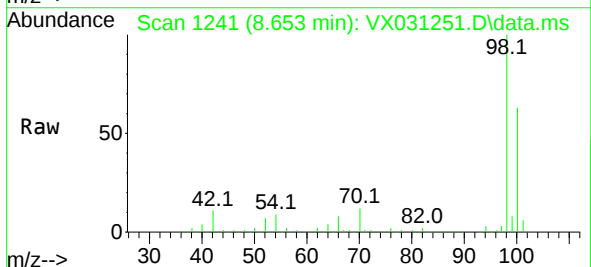
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

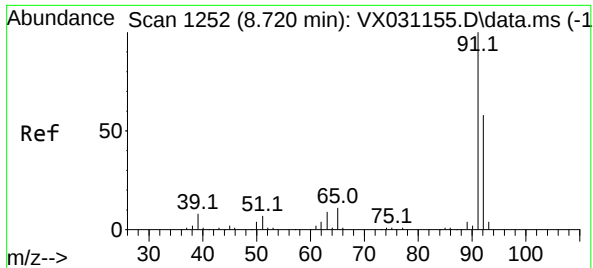
Tgt Ion: 78 Resp: 911
Ion Ratio Lower Upper
78 100
77 21.9 18.0 27.0



#50
Toluene-d8
Concen: 44.956 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 98 Resp: 182140
Ion Ratio Lower Upper
98 100
100 63.3 52.3 78.5

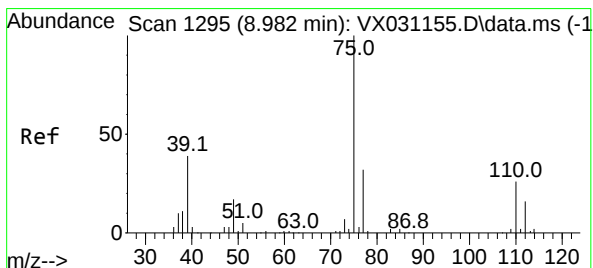
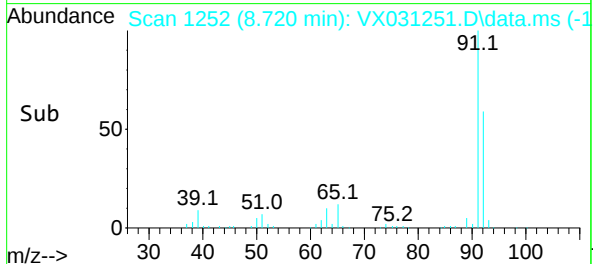
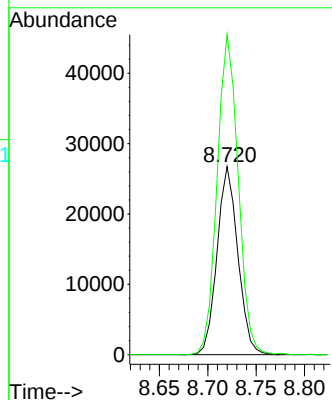
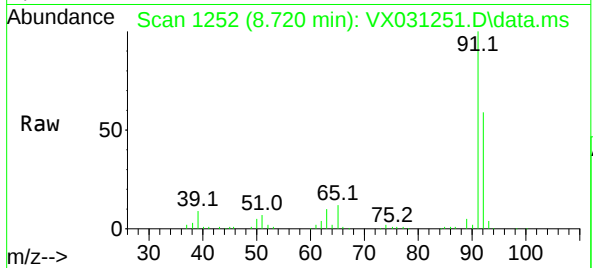




#52
Toluene
Concen: 13.344 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

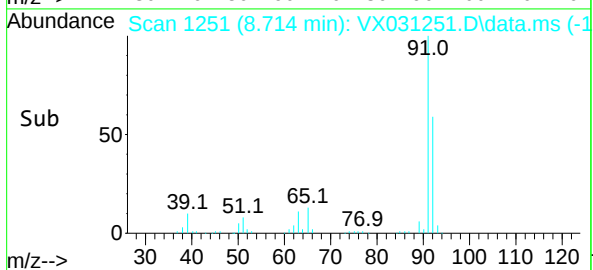
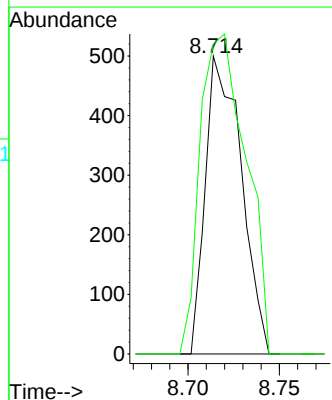
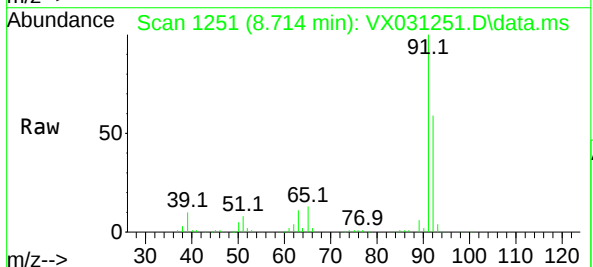
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

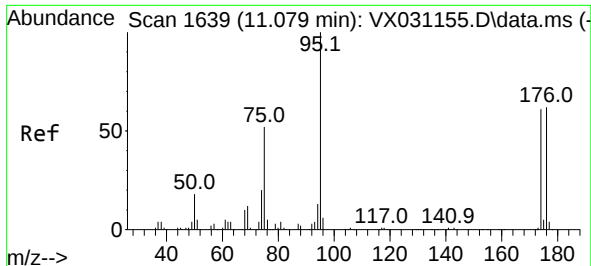
Tgt Ion: 92 Resp: 39928
Ion Ratio Lower Upper
92 100
91 172.6 139.2 208.8



#53
t-1,3-Dichloropropene
Concen: 0.381 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.268 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 75 Resp: 683
Ion Ratio Lower Upper
75 100
77 104.0 26.3 39.5#

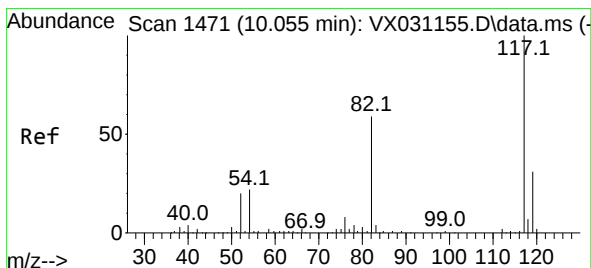
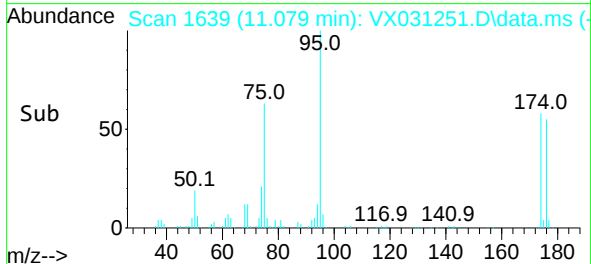
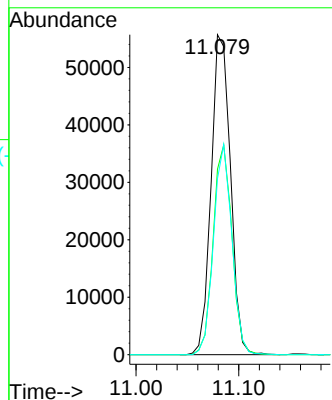
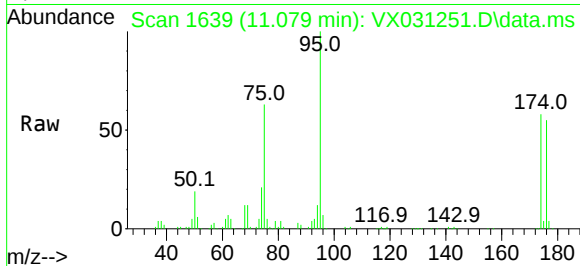




#62
4-Bromofluorobenzene
Concen: 48.999 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

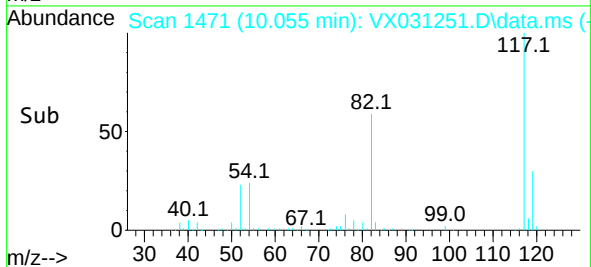
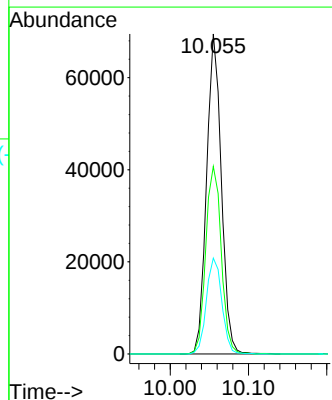
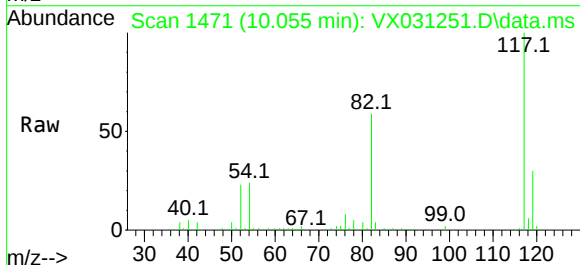
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

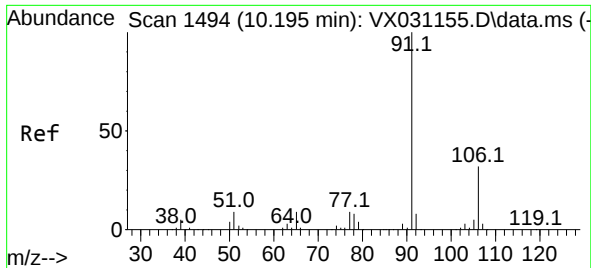
Tgt Ion: 95 Resp: 72752
Ion Ratio Lower Upper
95 100
174 63.7 0.0 149.0
176 62.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 117 Resp: 90583
Ion Ratio Lower Upper
117 100
82 58.6 42.7 64.1
119 29.9 25.4 38.2

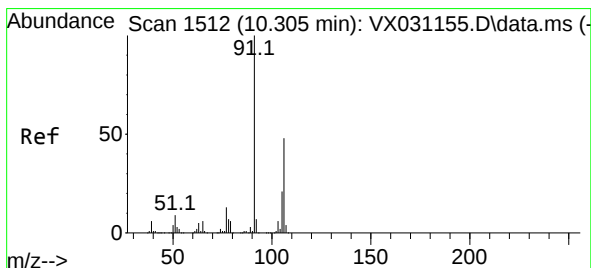
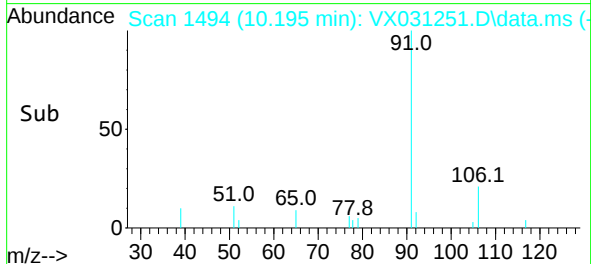
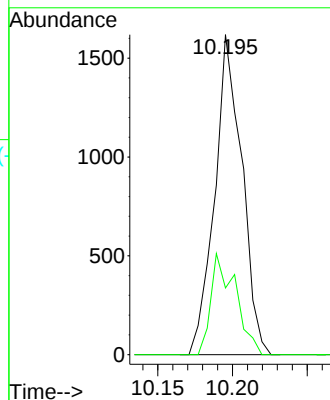
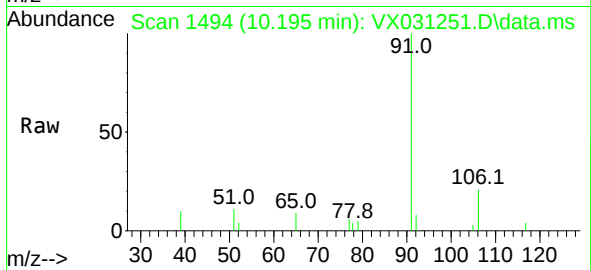




#67
Ethyl Benzene
Concen: 0.423 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

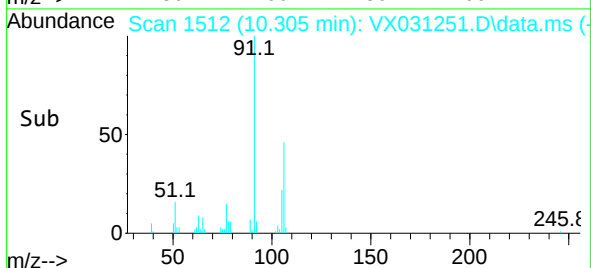
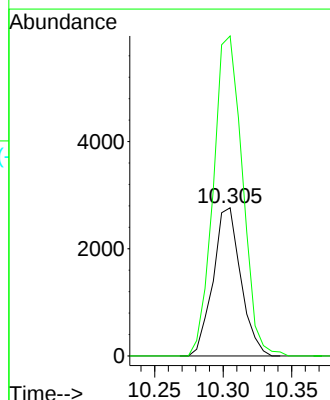
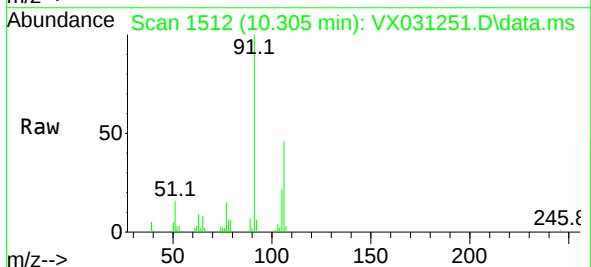
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

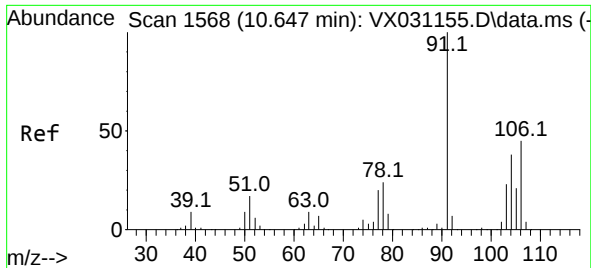
Tgt Ion: 91 Resp: 2046
Ion Ratio Lower Upper
91 100
106 20.8 25.5 38.3#



#68
m/p-Xylenes
Concen: 2.168 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 106 Resp: 3884
Ion Ratio Lower Upper
106 100
91 227.0 158.2 237.4

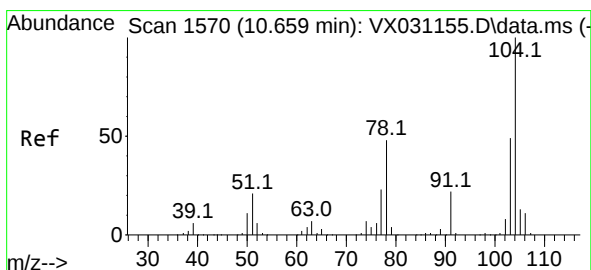
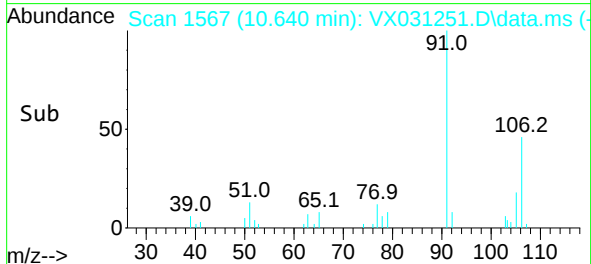
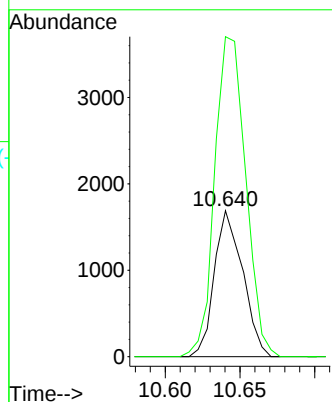
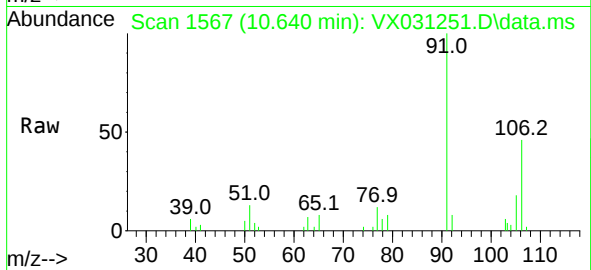




#69
o-Xylene
Concen: 1.248 ug/l
RT: 10.640 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

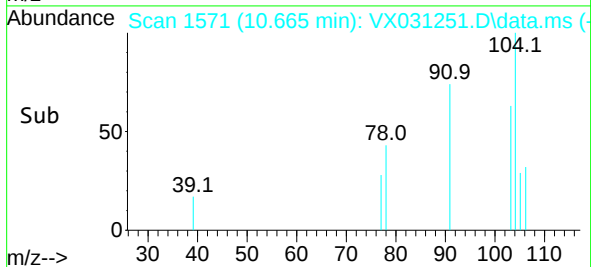
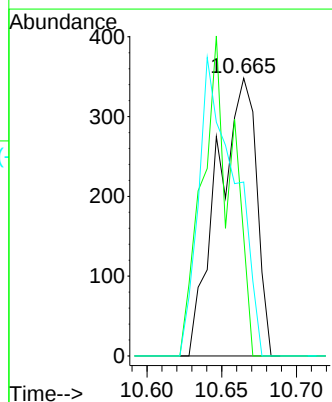
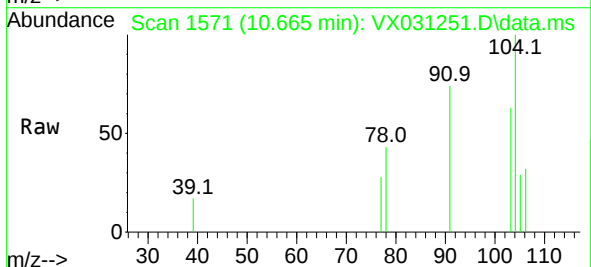
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

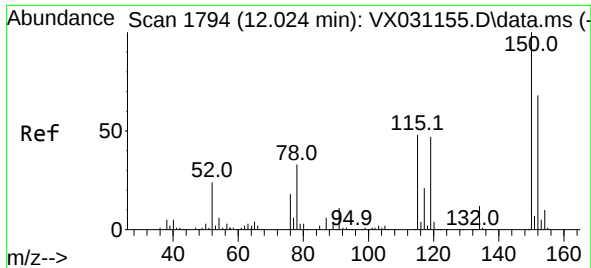
Tgt Ion:106 Resp: 2231
Ion Ratio Lower Upper
106 100
91 239.1 103.8 311.6



#70
Styrene
Concen: 0.220 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion:104 Resp: 631
Ion Ratio Lower Upper
104 100
78 0.0 37.8 56.8#
103 0.0 44.5 66.7#

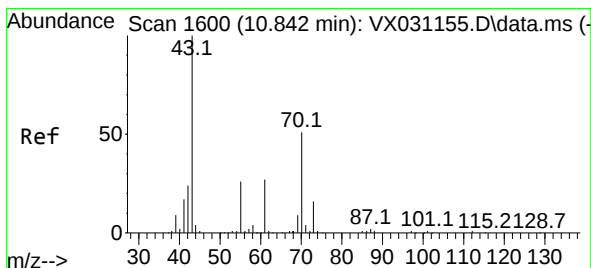
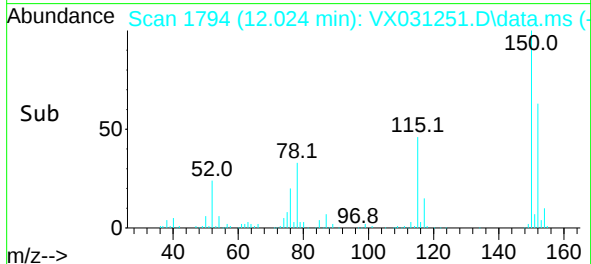
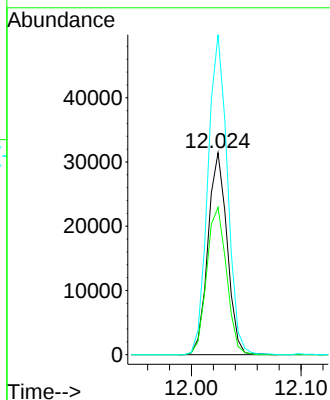
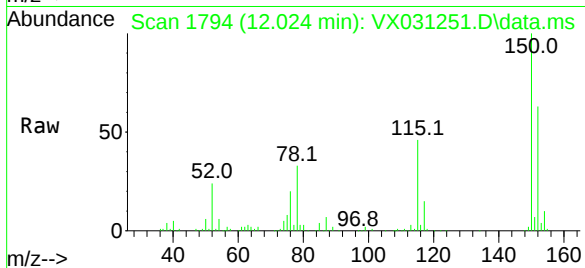




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

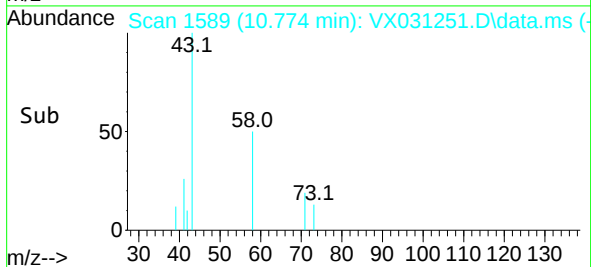
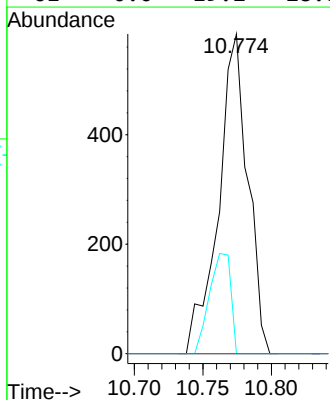
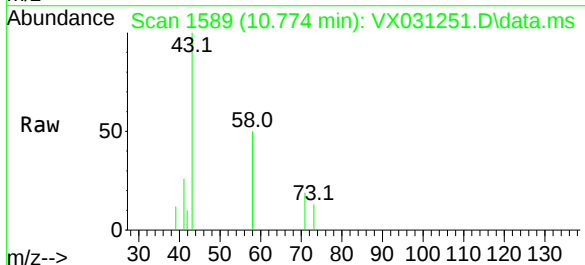
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

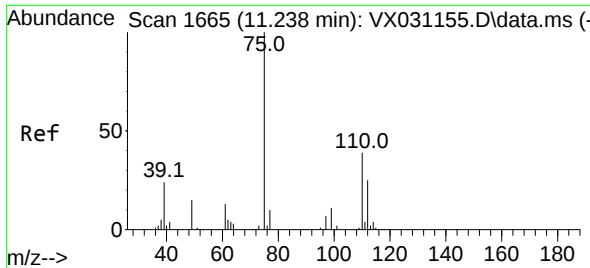
Tgt Ion:152 Resp: 38098
Ion Ratio Lower Upper
152 100
115 75.6 40.5 121.5
150 161.6 0.0 347.0



#74
N-ethyl acetate
Concen: 0.825 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 22.8 18.4 27.6
61 0.0 19.2 28.8#

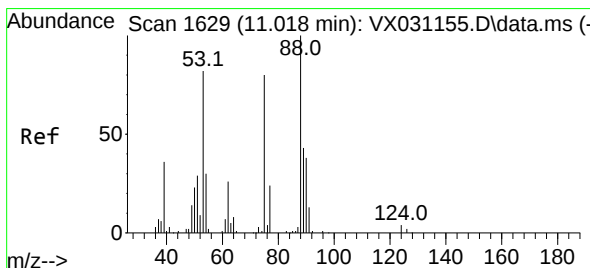
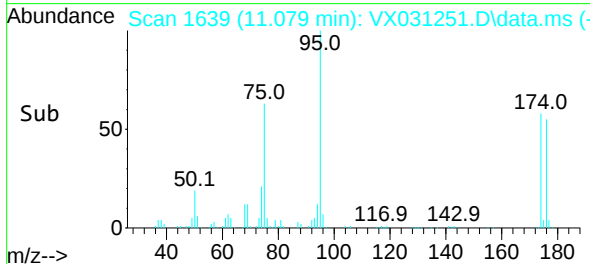
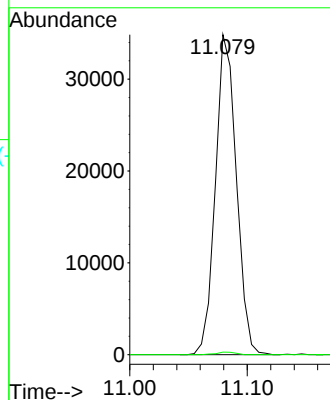
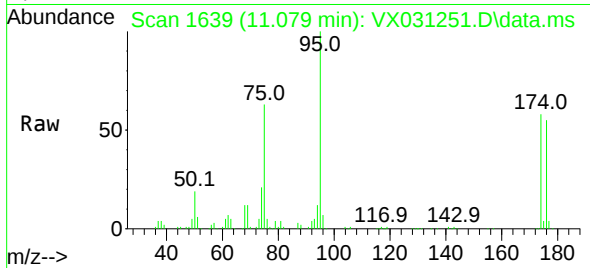




#76
1,2,3-Trichloropropane
Concen: 41.477 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

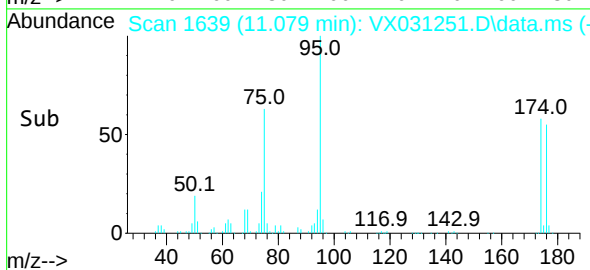
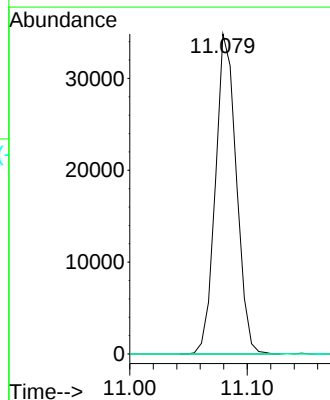
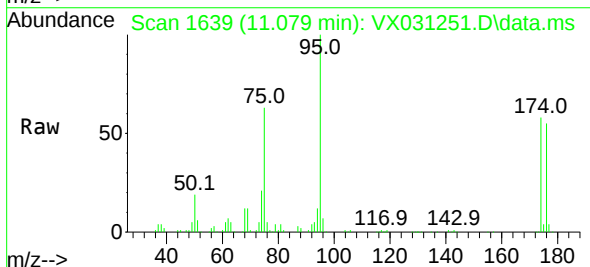
Instrument :
MSVOA_X
ClientSampleId :
CLI-108DL

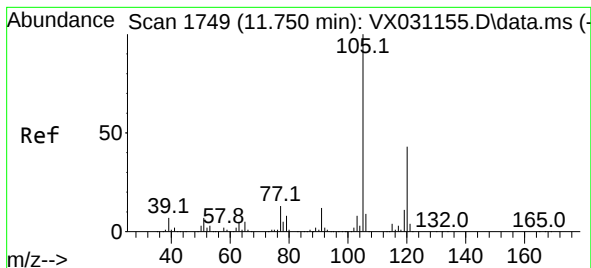
Tgt Ion: 75 Resp: 43126
Ion Ratio Lower Upper
75 100
77 0.7 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031251.D
Acq: 09 Sep 2022 13:00

Tgt Ion: 75 Resp: 43126
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.635 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX031251.D

Acq: 09 Sep 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

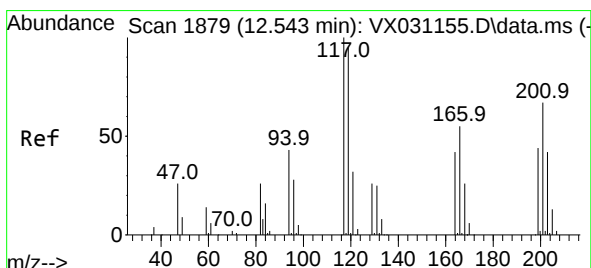
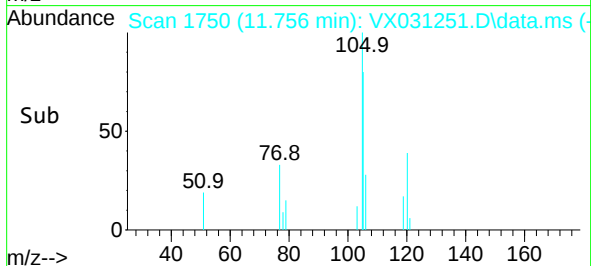
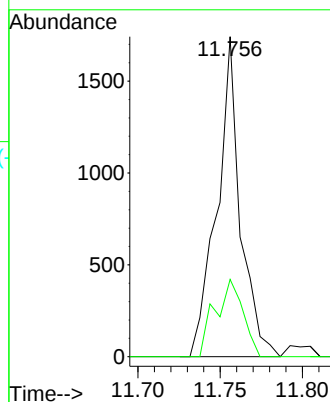
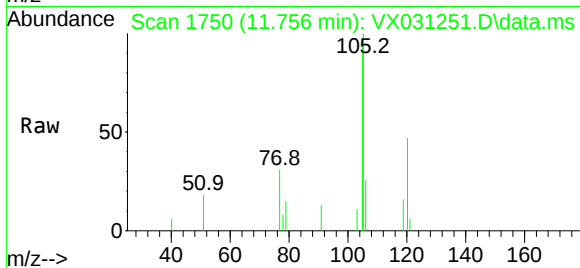
CLI-108DL

Tgt Ion:105 Resp: 1717

Ion Ratio Lower Upper

105 100

120 28.8 22.9 68.8



#90

Hexachloroethane

Concen: 0.448 ug/l

RT: 12.408 min Scan# 1857

Delta R.T. -0.134 min

Lab File: VX031251.D

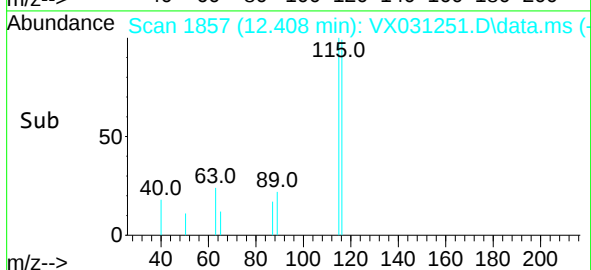
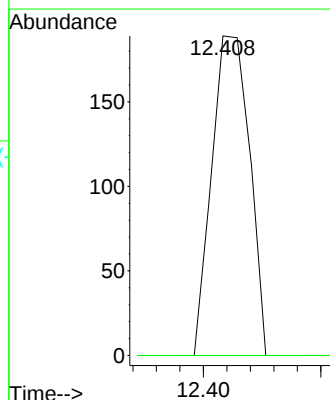
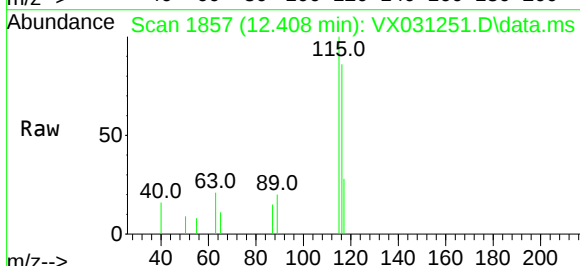
Acq: 09 Sep 2022 13:00

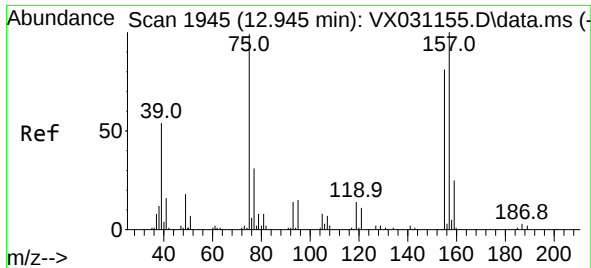
Tgt Ion:117 Resp: 211

Ion Ratio Lower Upper

117 100

201 0.0 34.2 102.5#

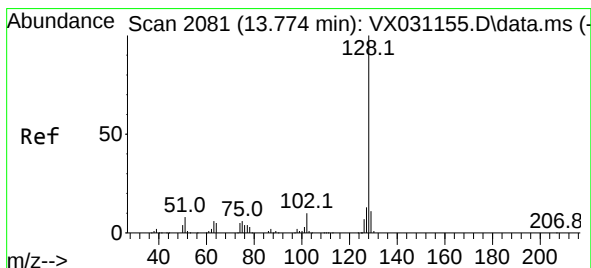
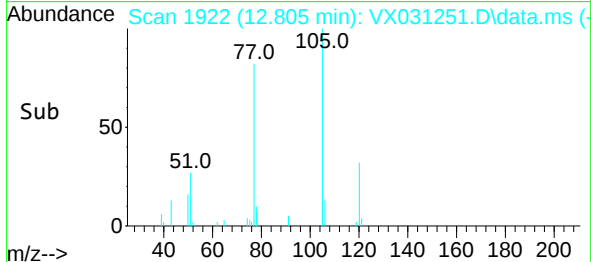
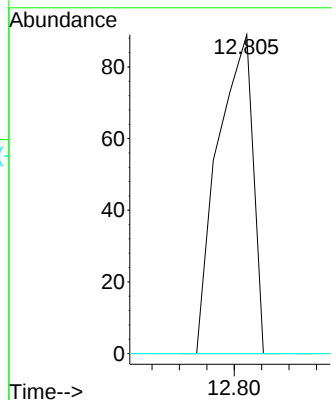
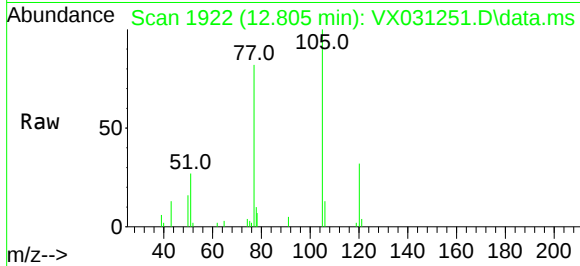




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.279 ug/l
 RT: 12.805 min Scan# 1945
 Delta R.T. -0.140 min
 Lab File: VX031251.D
 Acq: 09 Sep 2022 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 CLI-108DL

Tgt Ion: 75 Resp: 79
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.0 134.8#
 157 0.0 56.9 170.7#



#95
 Naphthalene
 Concen: 5.392 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX031251.D
 Acq: 09 Sep 2022 13:00

Tgt Ion: 128 Resp: 16188
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.2 15.2
 129 10.3 8.6 13.0

