

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
 Data File : VX030351.D
 Acq On : 02 Aug 2022 14:44
 Operator : JC/MD
 Sample : N3861-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-072222

Quant Time: Aug 03 01:07:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

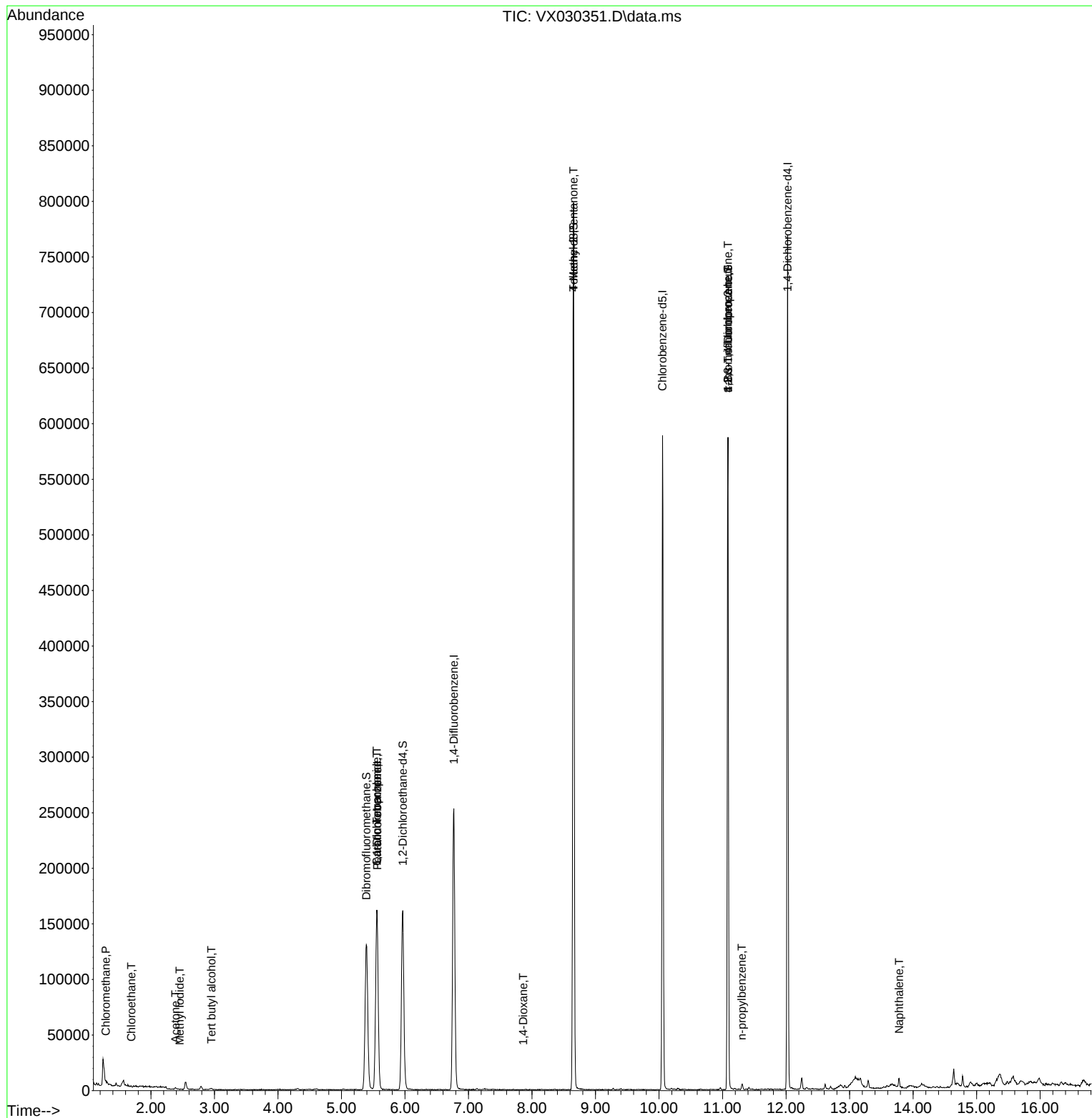
Internal Standards						
1) Pentafluorobenzene	5.562	168	152764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	262787	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	149509	48.693	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.380%
35) Dibromofluoromethane	5.391	113	120714	48.053	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.100%
50) Toluene-d8	8.653	98	461362	47.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.840%
62) 4-Bromofluorobenzene	11.085	95	161466	44.721	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	563	0.227	ug/l #	77
5) Bromomethane	1.618	94	536	Below Cal	#	59
6) Chloroethane	1.691	64	394	0.274	ug/l #	41
10) Methyl Iodide	2.453	142	352	1.668	ug/l #	69
11) Tert butyl alcohol	2.953	59	683	0.912	ug/l #	74
16) Acetone	2.386	43	1756	1.117	ug/l	93
20) Methylene Chloride	2.788	84	1329	Below Cal	#	89
36) 1,1-Dichloropropene	5.556	75	12155	3.362	ug/l #	48
38) Carbon Tetrachloride	5.556	117	15458	4.580	ug/l #	16
49) 1,4-Dioxane	7.860	88	21	0.246	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	2152	0.422	ug/l #	1
67) Ethyl Benzene	10.195	91	540	Below Cal	#	74
76) 1,2,3-Trichloropropane	11.085	75	83006	21.204	ug/l #	37
78) n-propylbenzene	11.305	91	3300	0.238	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	83006	63.611	ug/l #	12
95) Naphthalene	13.780	128	5933	0.504	ug/l	100

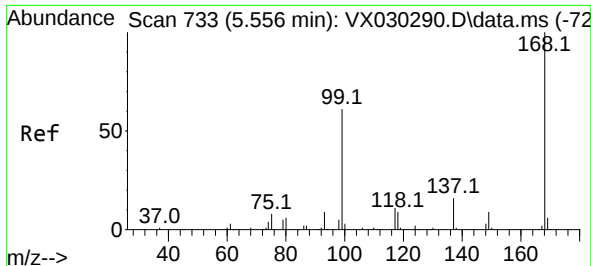
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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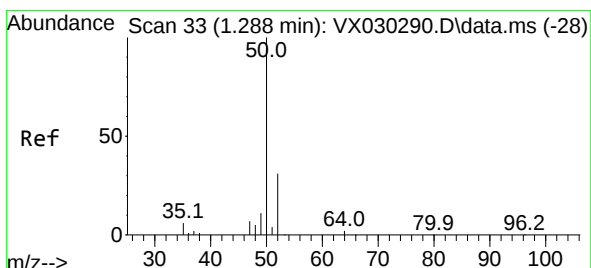
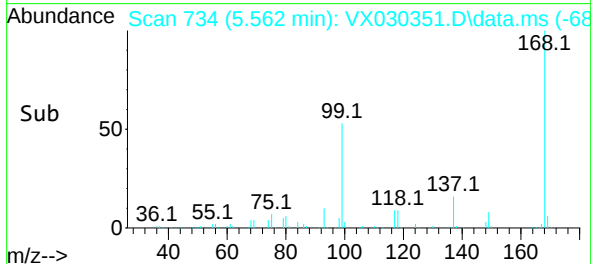
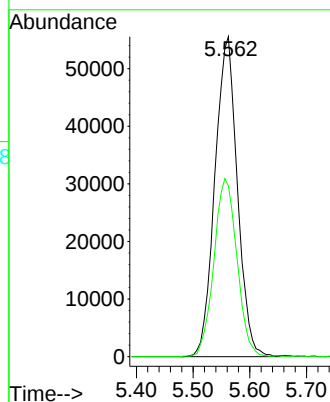
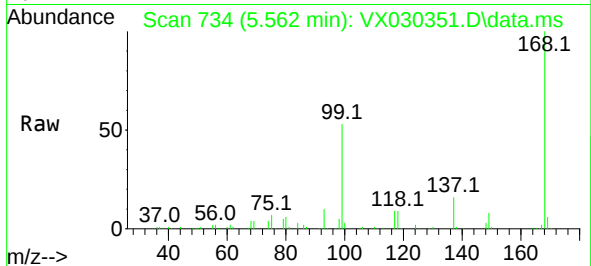




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

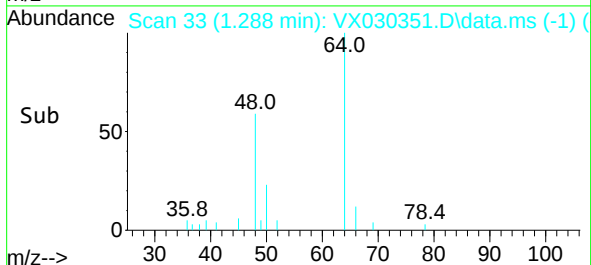
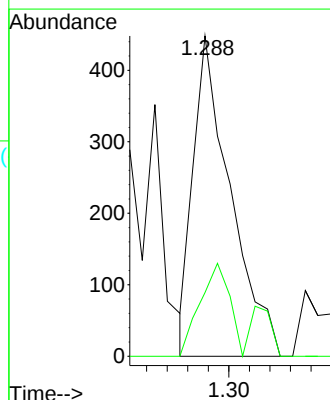
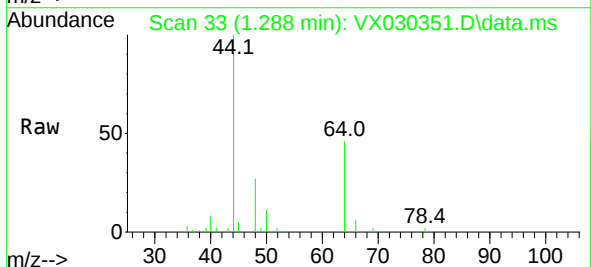
Instrument :
MSVOA_X
ClientSampleId :
TB-072222

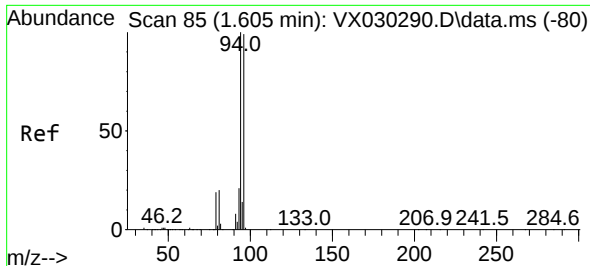
Tgt Ion:168 Resp: 152764
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#3
Chloromethane
Concen: 0.227 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

Tgt Ion: 50 Resp: 563
Ion Ratio Lower Upper
50 100
52 19.9 26.3 39.5#

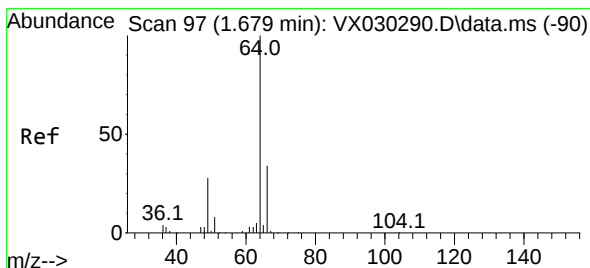
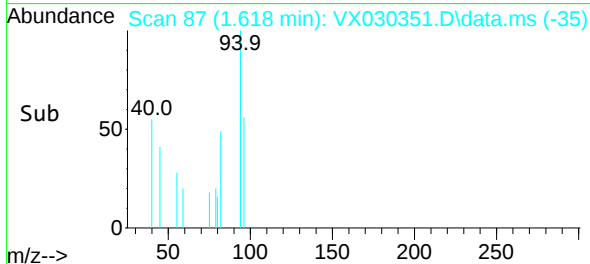
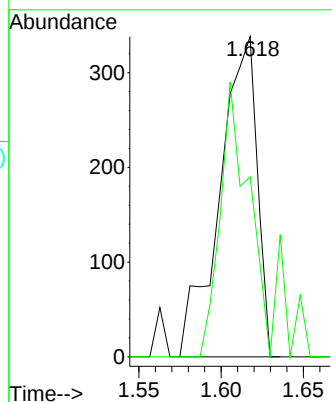
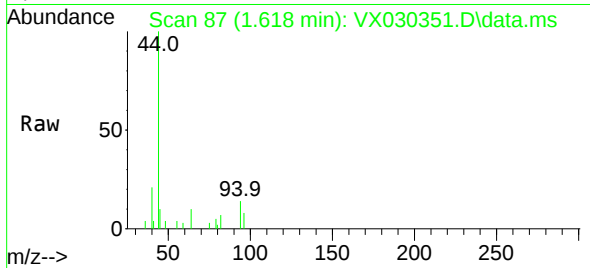




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

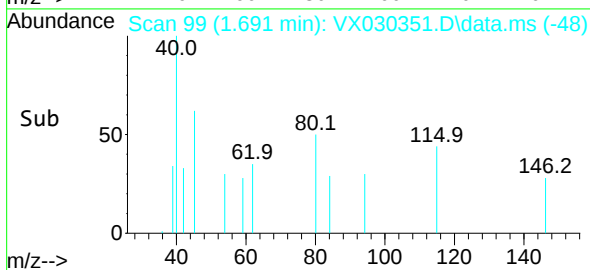
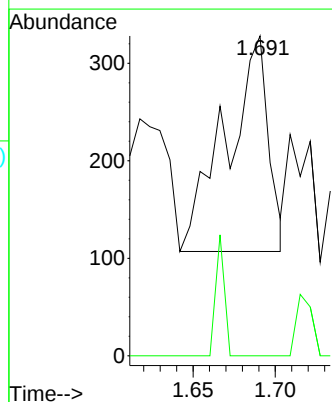
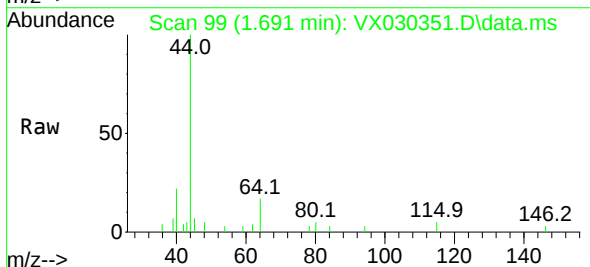
Instrument :
MSVOA_X
ClientSampleId :
TB-072222

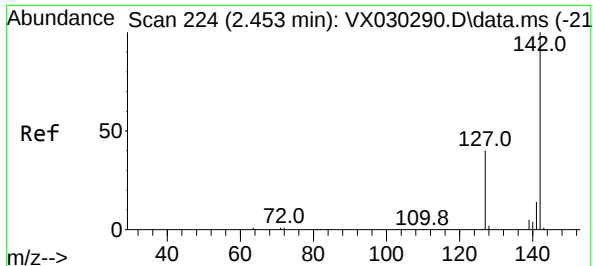
Tgt Ion: 94 Resp: 536
Ion Ratio Lower Upper
94 100
96 56.2 76.9 115.3#



#6
Chloroethane
Concen: 0.274 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

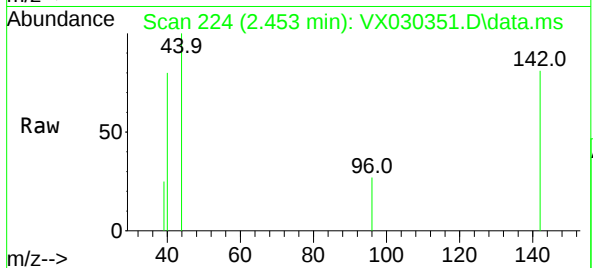
Tgt Ion: 64 Resp: 394
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



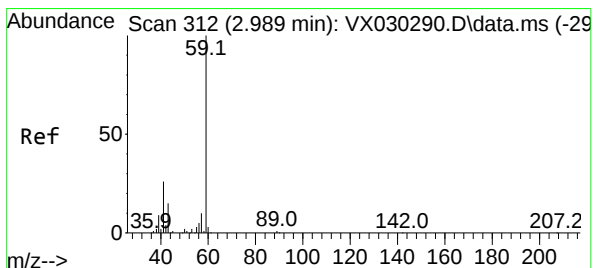
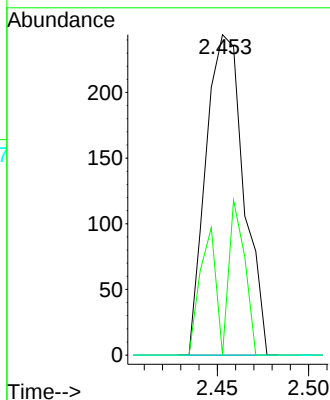
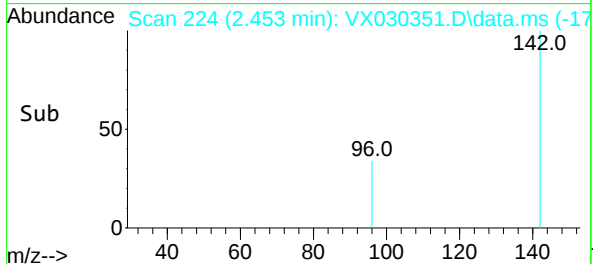


#10
Methyl Iodide
Concen: 1.668 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

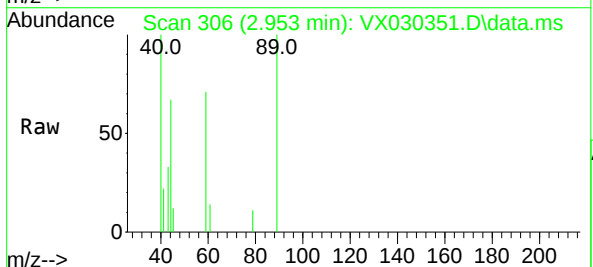
Instrument :
MSVOA_X
ClientSampleId :
TB-072222



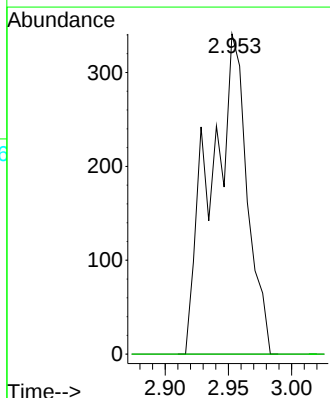
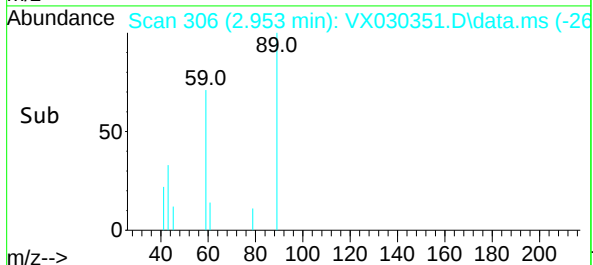
Tgt Ion:142 Resp: 352
Ion Ratio Lower Upper
142 100
127 20.2 30.2 45.2#
141 0.0 11.3 16.9#

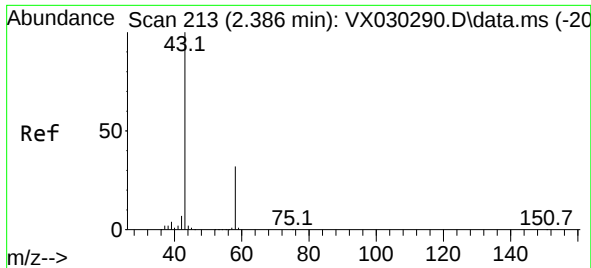


#11
Tert butyl alcohol
Concen: 0.912 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44



Tgt Ion: 59 Resp: 683
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

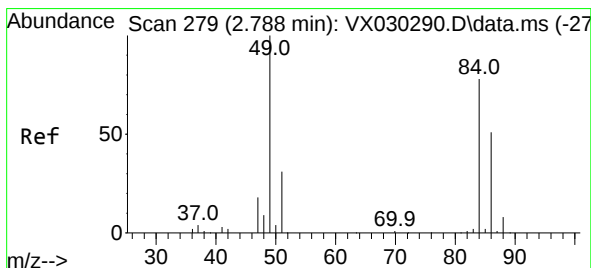
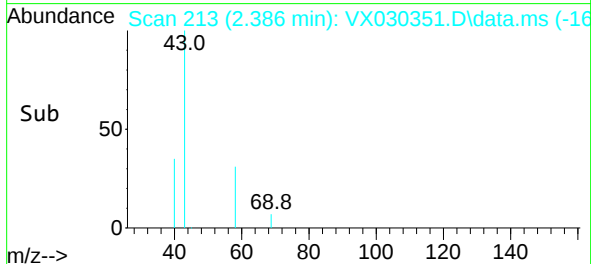
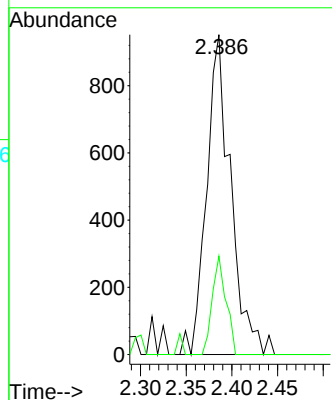
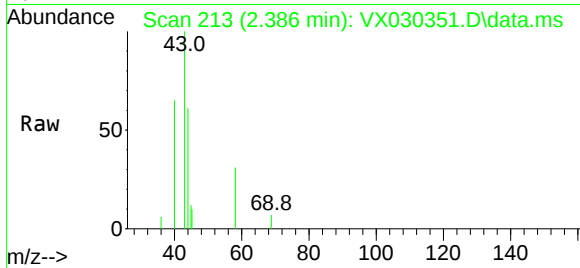




#16
Acetone
Concen: 1.117 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

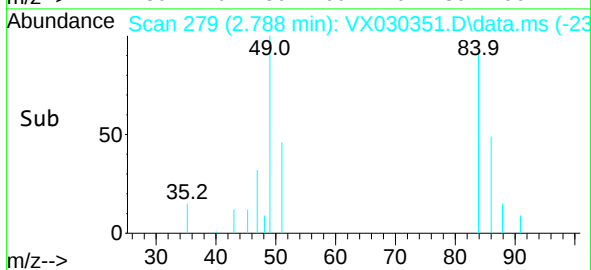
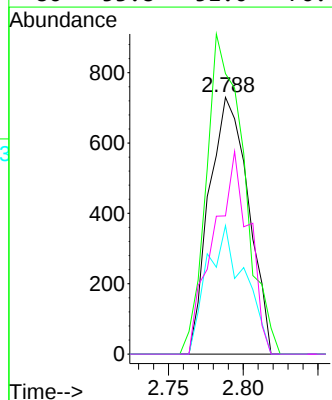
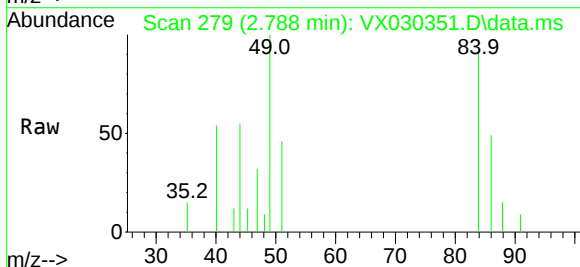
Instrument :
MSVOA_X
ClientSampleId :
TB-072222

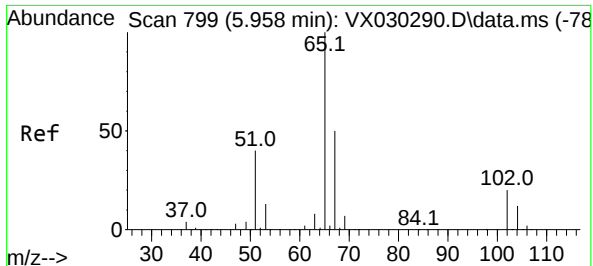
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
58 30.8 27.7 41.5



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

Tgt Ion: 84 Resp: 1329
Ion Ratio Lower Upper
84 100
49 109.2 93.8 140.6
51 50.0 29.4 44.0#
86 53.8 51.0 76.4





#33

1,2-Dichloroethane-d4

Concen: 48.693 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

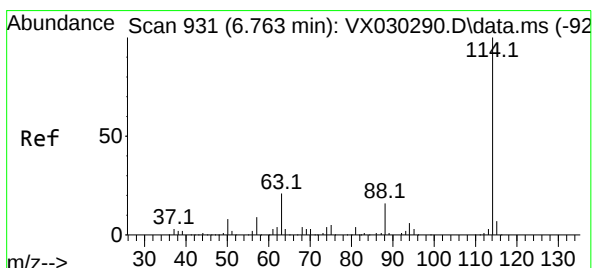
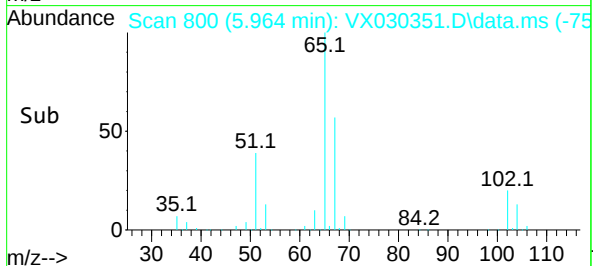
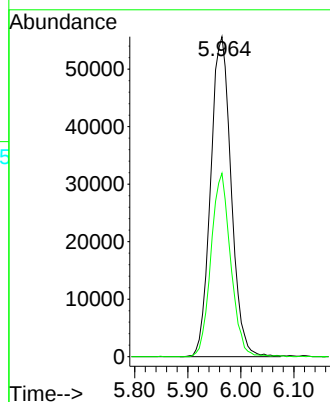
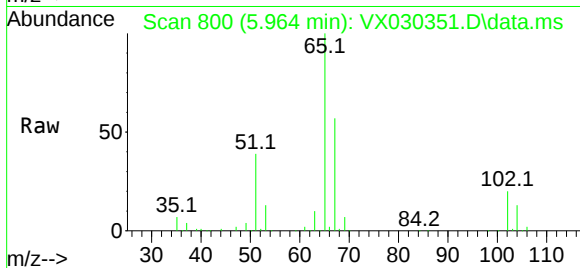
TB-072222

Tgt Ion: 65 Resp: 149509

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

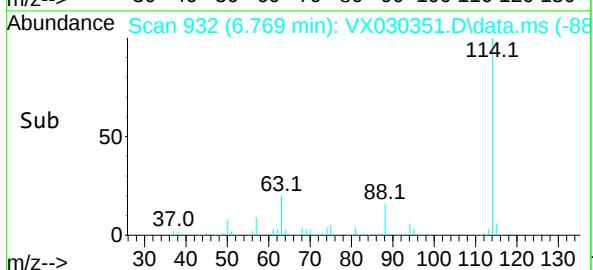
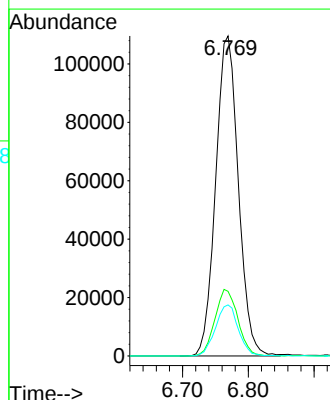
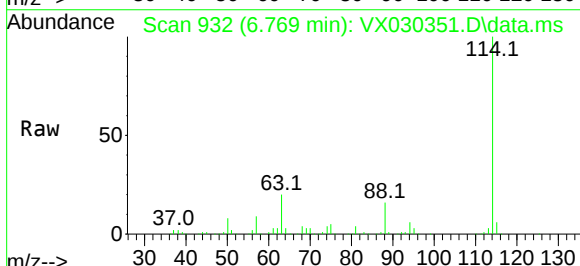
Tgt Ion: 114 Resp: 262787

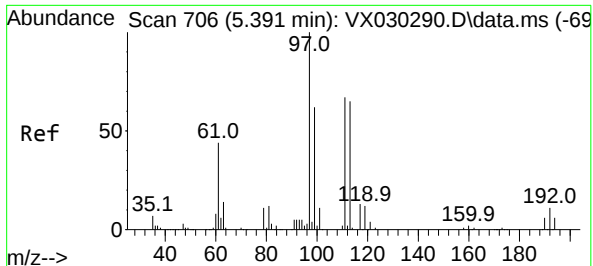
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.053 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

TB-072222

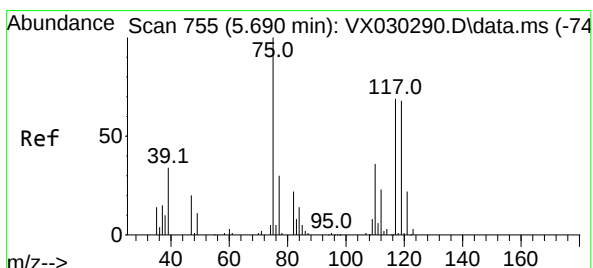
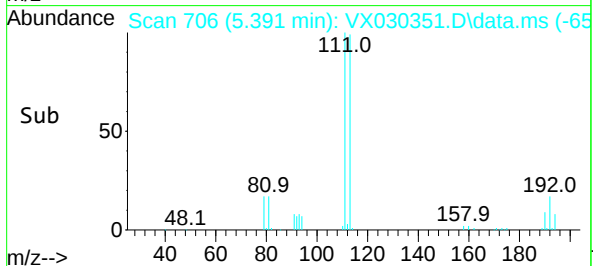
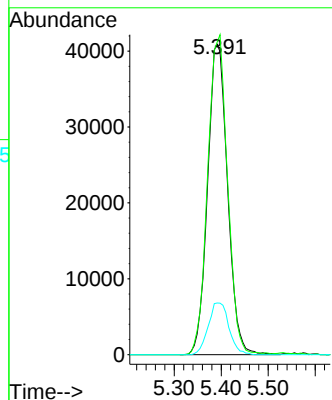
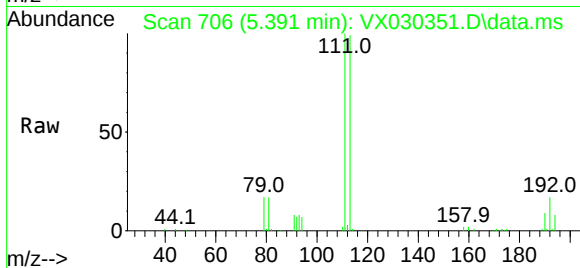
Tgt Ion:113 Resp: 120714

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

192 17.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.362 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

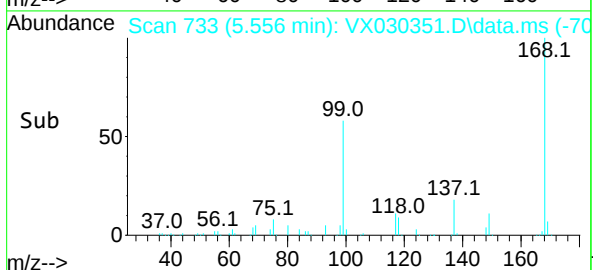
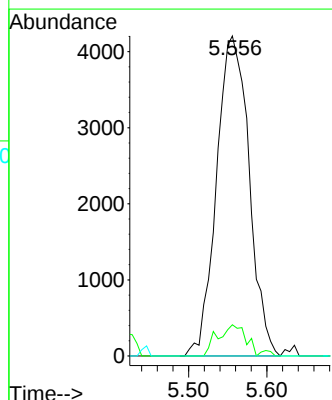
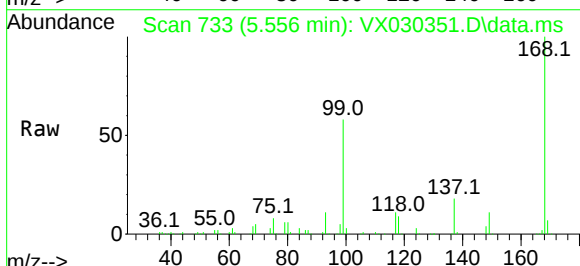
Tgt Ion: 75 Resp: 12155

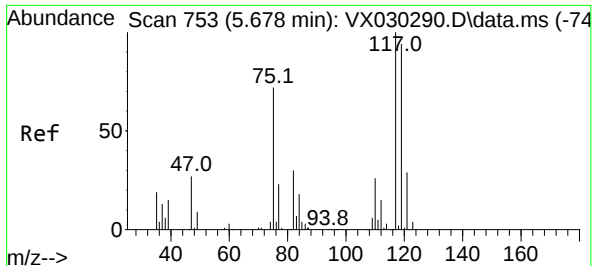
Ion Ratio Lower Upper

75 100

110 8.5 19.3 57.9#

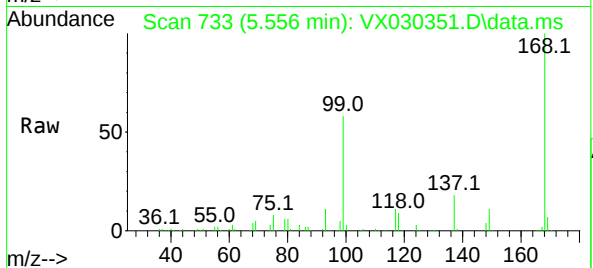
77 0.0 24.4 36.6#



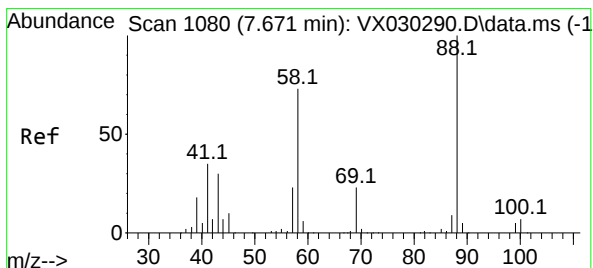
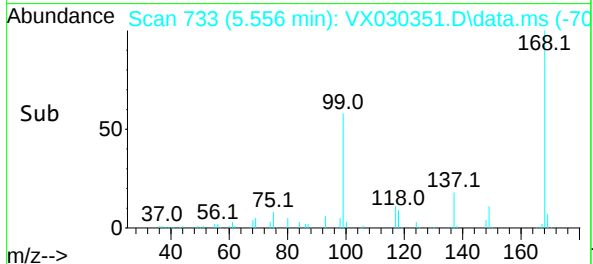
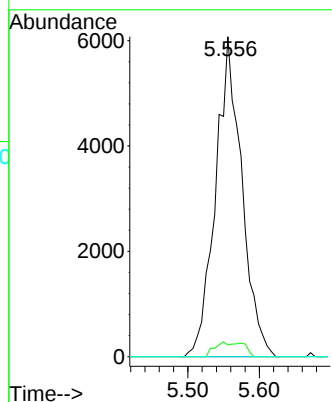


#38
Carbon Tetrachloride
Concen: 4.580 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.127 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

Instrument :
MSVOA_X
ClientSampleId :
TB-072222

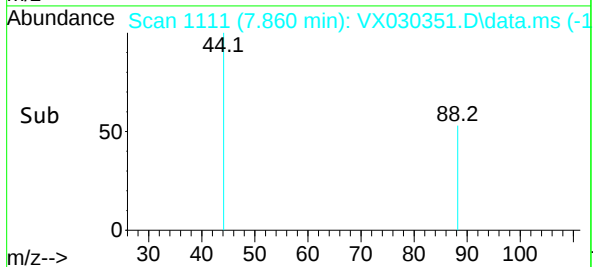
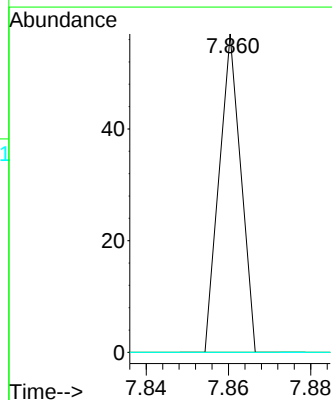
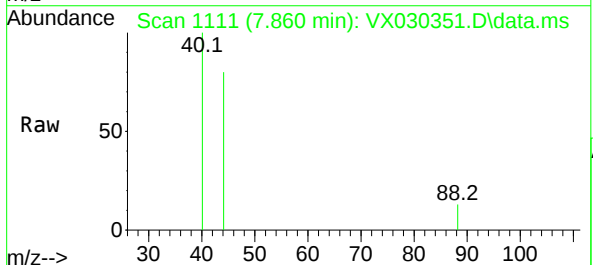


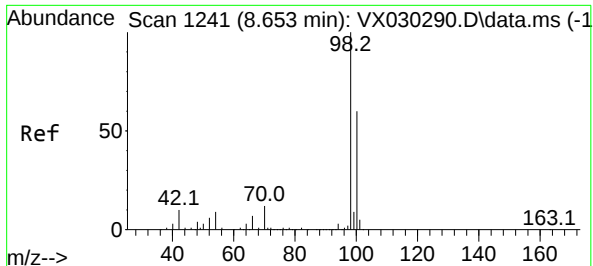
Tgt Ion: 117 Resp: 15458
Ion Ratio Lower Upper
117 100
119 3.7 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.246 ug/l
RT: 7.860 min Scan# 1111
Delta R.T. 0.195 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

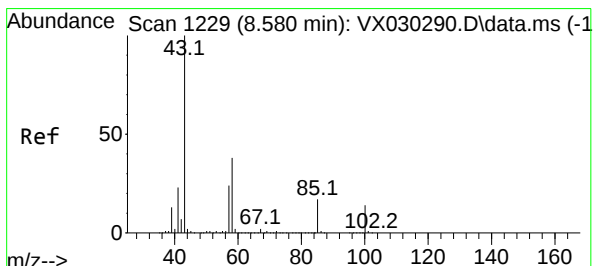
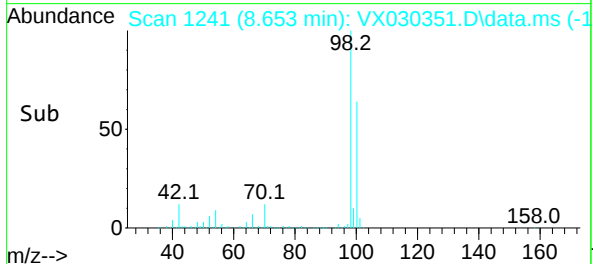
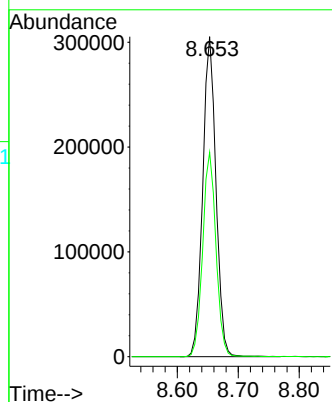
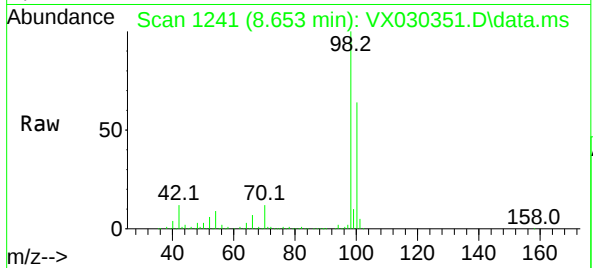




#50
Toluene-d8
Concen: 47.424 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

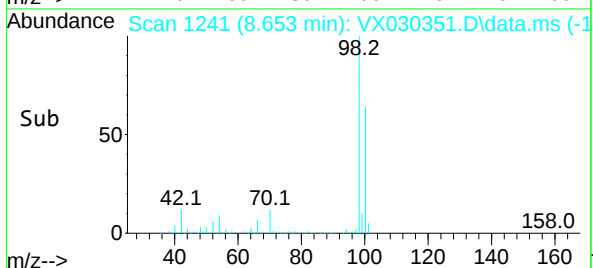
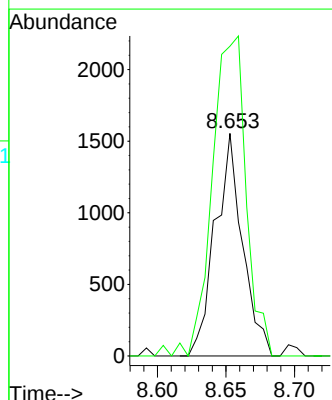
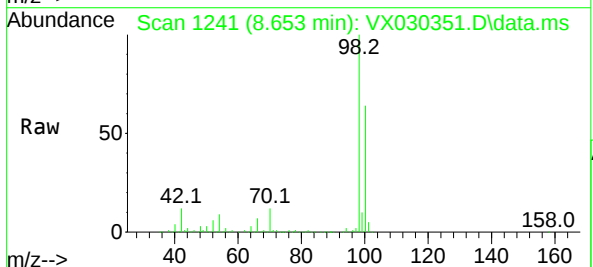
Instrument :
MSVOA_X
ClientSampleId :
TB-072222

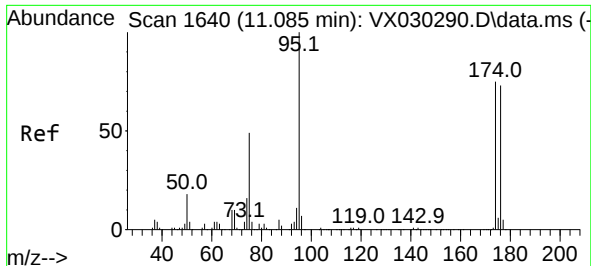
Tgt Ion: 98 Resp: 461362
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.422 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.074 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
58 177.4 31.4 47.2#





#62

4-Bromofluorobenzene

Concen: 44.721 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

TB-072222

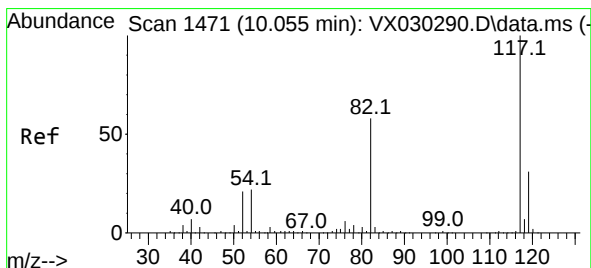
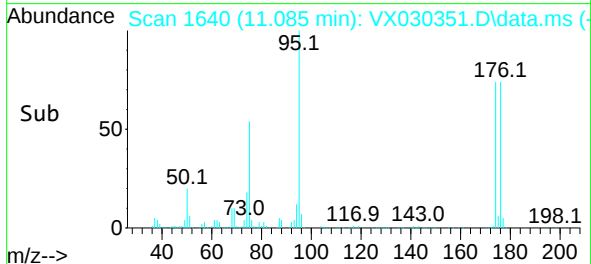
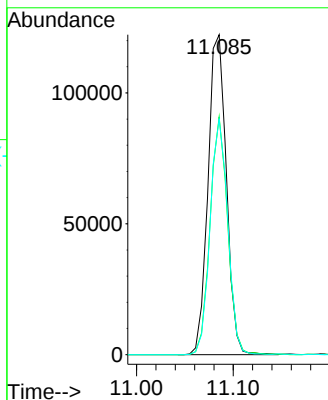
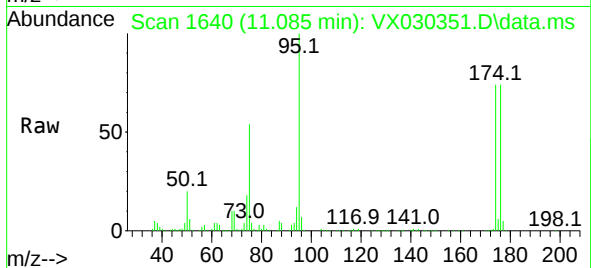
Tgt Ion: 95 Resp: 161466

Ion Ratio Lower Upper

95 100

174 71.1 0.0 149.0

176 71.0 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: VX030351.D

Acq: 02 Aug 2022 14:44

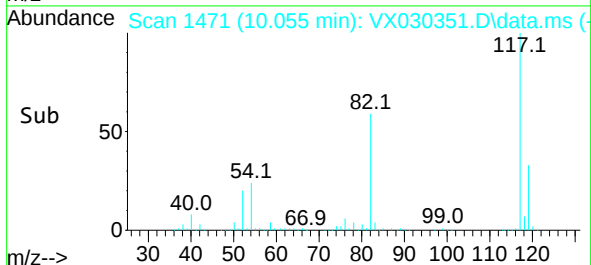
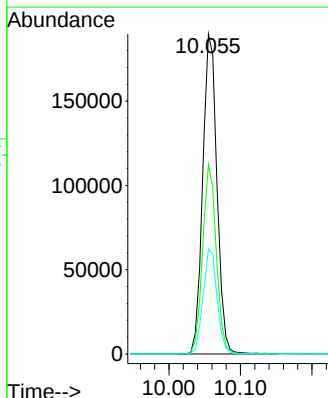
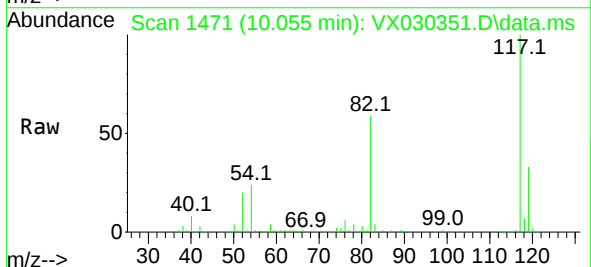
Tgt Ion: 117 Resp: 262306

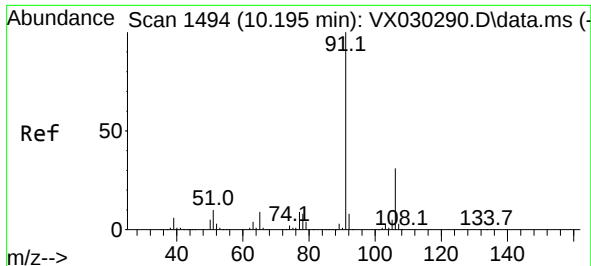
Ion Ratio Lower Upper

117 100

82 59.2 42.7 64.1

119 32.9 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

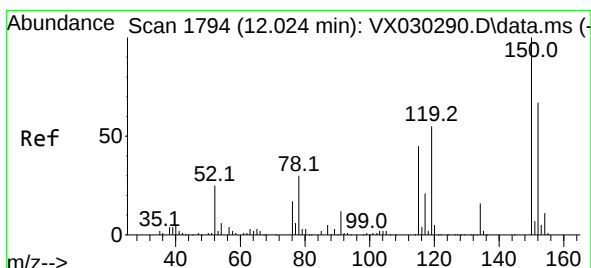
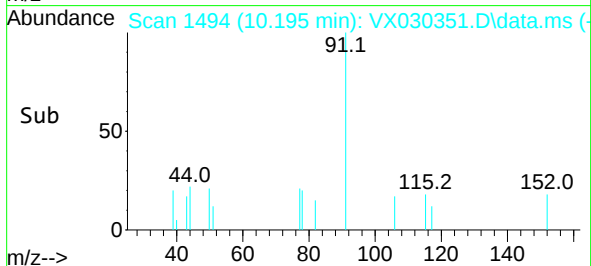
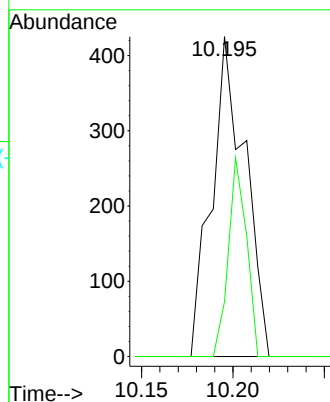
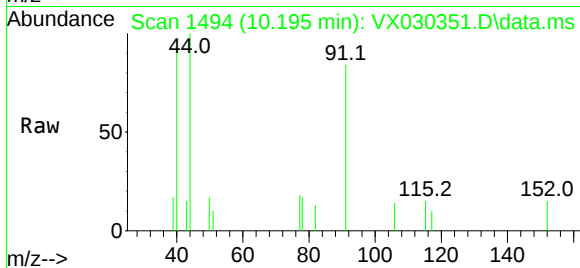
TB-072222

Tgt Ion: 91 Resp: 540

Ion Ratio Lower Upper

91 100

106 17.2 25.5 38.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

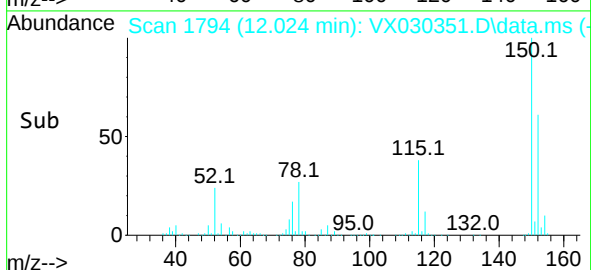
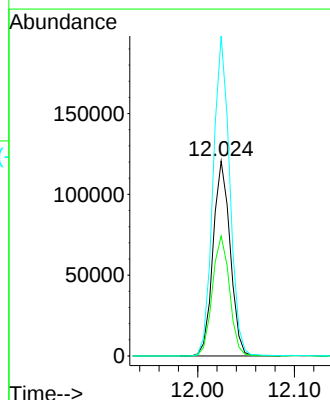
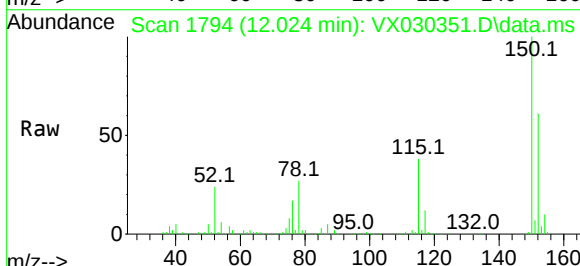
Tgt Ion:152 Resp: 148509

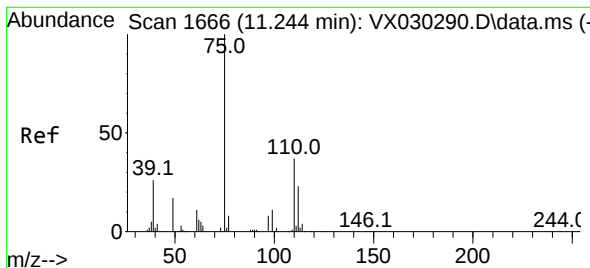
Ion Ratio Lower Upper

152 100

115 61.3 40.5 121.5

150 159.0 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 21.204 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX030351.D

Acq: 02 Aug 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

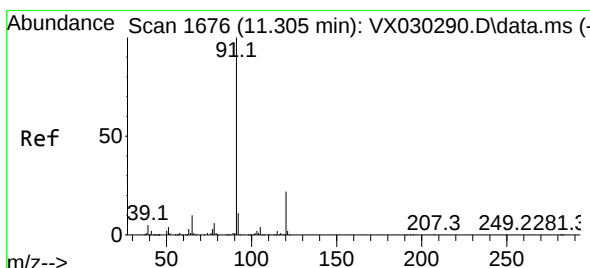
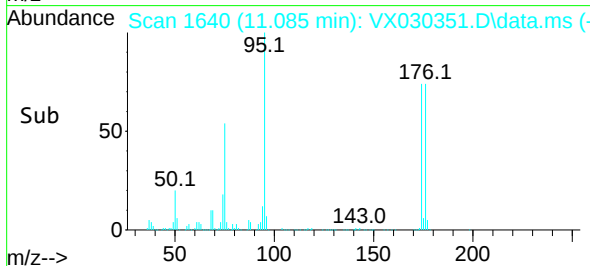
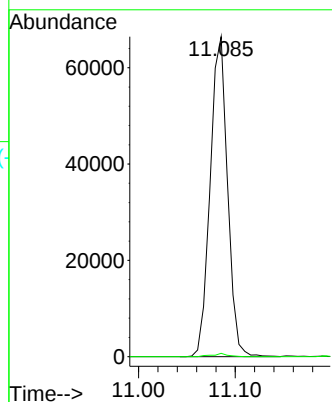
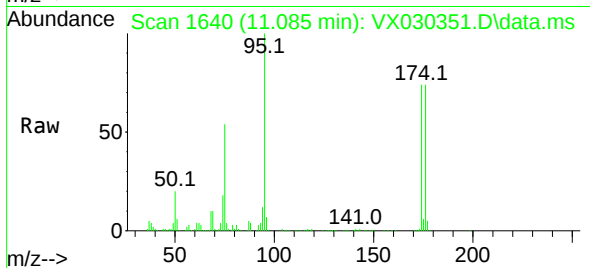
TB-072222

Tgt Ion: 75 Resp: 83006

Ion Ratio Lower Upper

75 100

77 0.9 19.8 59.3#



#78

n-propylbenzene

Concen: 0.238 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.005 min

Lab File: VX030351.D

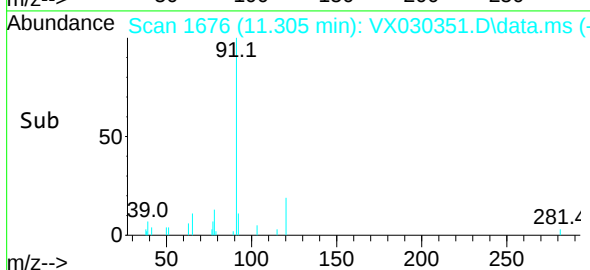
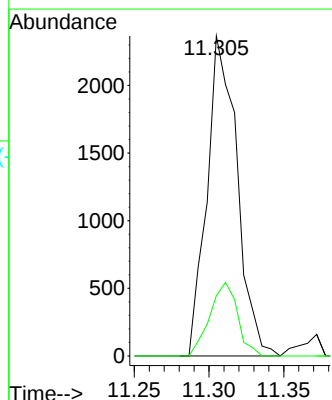
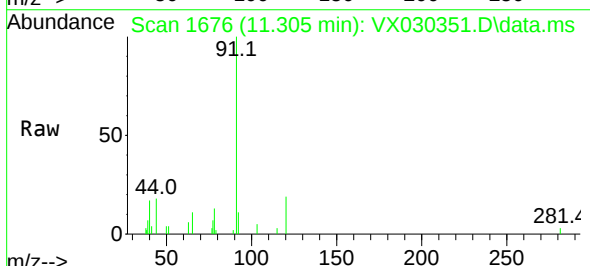
Acq: 02 Aug 2022 14:44

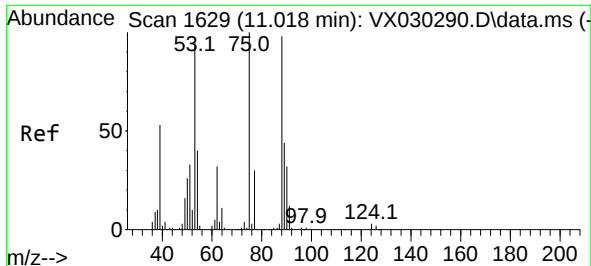
Tgt Ion: 91 Resp: 3300

Ion Ratio Lower Upper

91 100

120 21.2 11.6 34.8

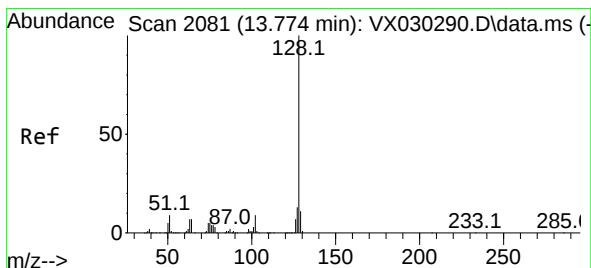
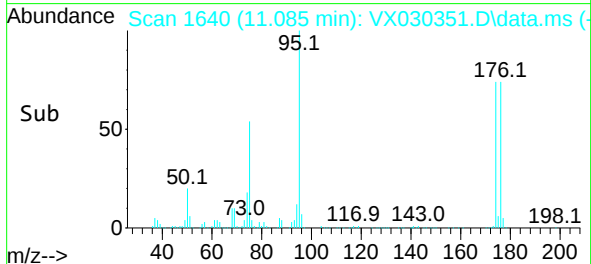
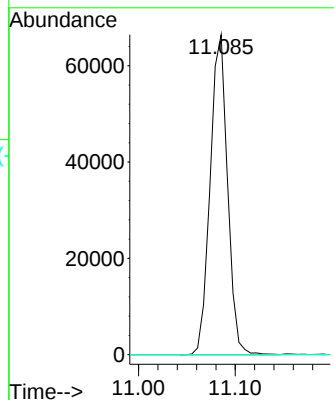
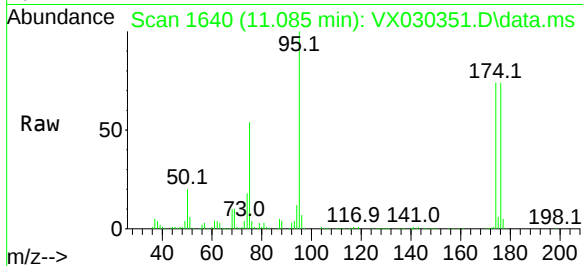




#81
trans-1,4-Dichloro-2-butene
Concen: 63.611 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

Instrument :
MSVOA_X
ClientSampleId :
TB-072222

Tgt Ion: 75 Resp: 83006
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#95
Naphthalene
Concen: 0.504 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030351.D
Acq: 02 Aug 2022 14:44

Tgt Ion: 128 Resp: 5933
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.7 8.6 13.0

