

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072622\
 Data File : VX030214.D
 Acq On : 26 Jul 2022 16:50
 Operator : JC/MD
 Sample : N3876-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-09-07212022

Quant Time: Jul 26 18:13:59 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)

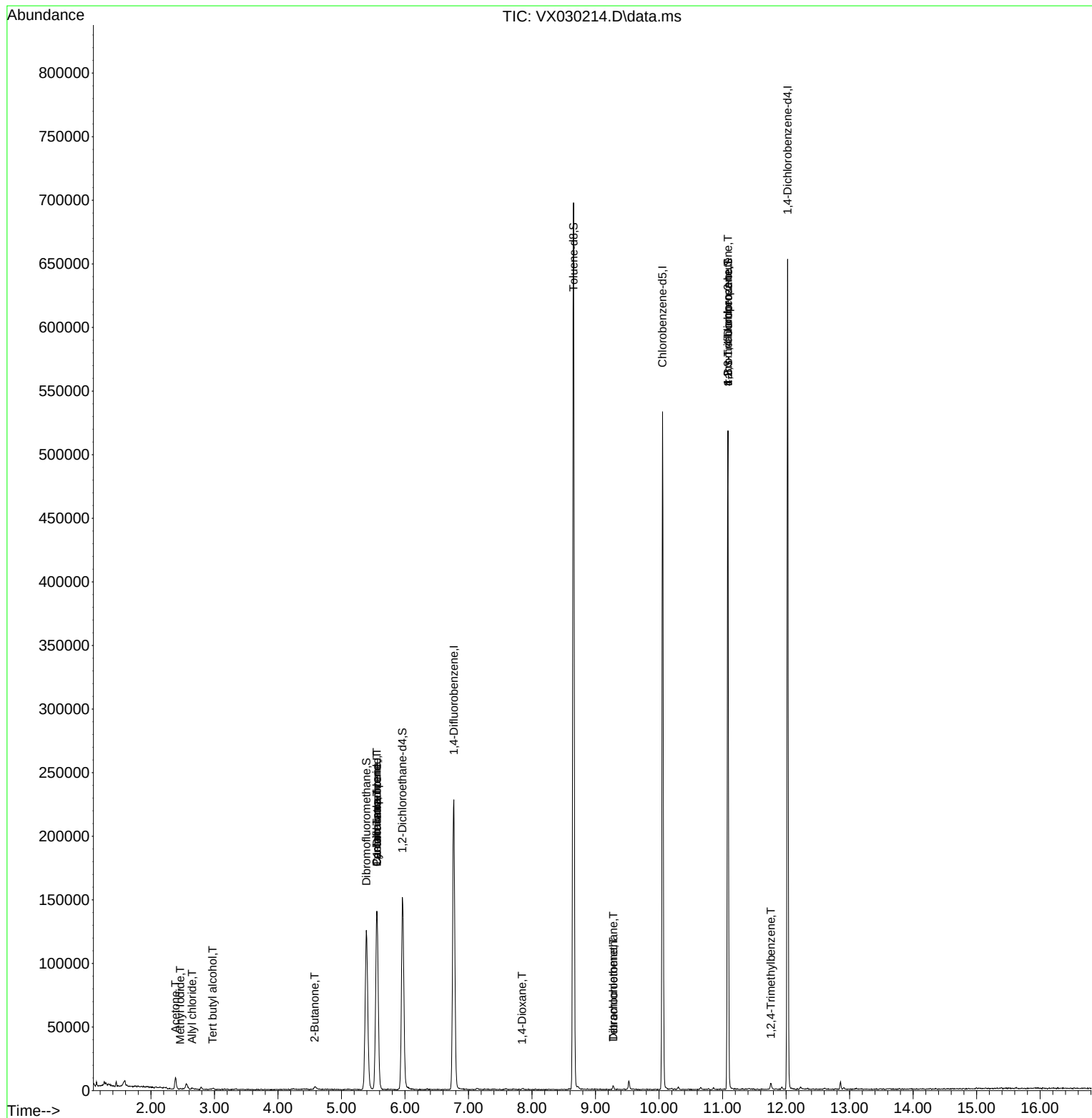
Internal Standards						
1) Pentafluorobenzene	5.556	168	131105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139559	52.961	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.920%
35) Dibromofluoromethane	5.391	113	110423	49.830	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.660%
50) Toluene-d8	8.653	98	405587	47.261	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.520%
62) 4-Bromofluorobenzene	11.085	95	139414	43.773	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.540%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	368	Below Cal	#	35
10) Methyl Iodide	2.459	142	334	1.684	ug/l #	45
11) Tert butyl alcohol	2.971	59	808	1.257	ug/l	98
14) Allyl chloride	2.648	41	1122	0.265	ug/l #	52
16) Acetone	2.386	43	9615	7.127	ug/l	98
20) Methylene Chloride	2.794	84	804	Below Cal	#	77
25) 2-Butanone	4.574	43	4111	1.813	ug/l	95
31) Cyclohexane	5.556	56	3499	0.915	ug/l #	36
36) 1,1-Dichloropropene	5.556	75	10828	3.395	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13682	4.596	ug/l #	16
49) 1,4-Dioxane	7.842	88	55	0.731	ug/l #	16
60) Dibromochloromethane	9.281	129	554	0.230	ug/l #	11
64) Tetrachloroethene	9.281	164	604	0.240	ug/l #	80
67) Ethyl Benzene	10.201	91	497	Below Cal		97
76) 1,2,3-Trichloropropane	11.085	75	70061	21.113	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	70061	63.338	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.762	105	1786	0.218	ug/l #	37

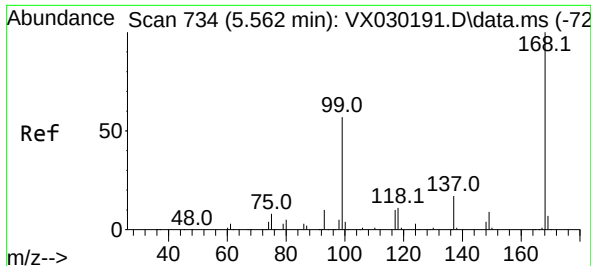
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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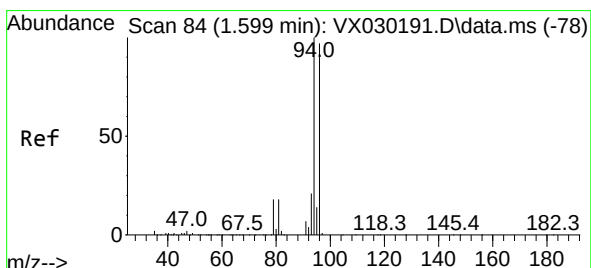
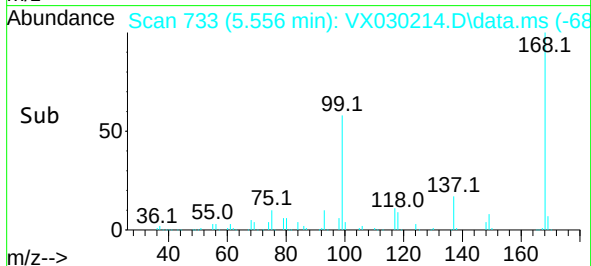
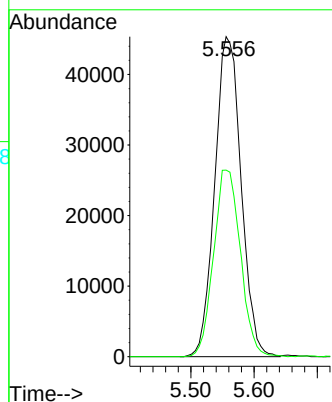
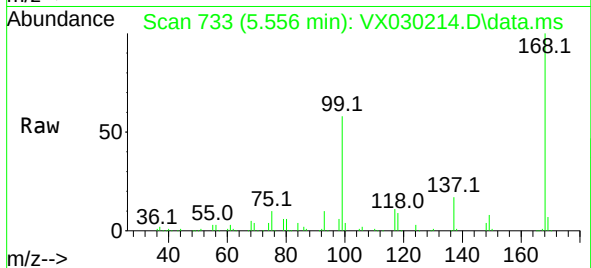




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

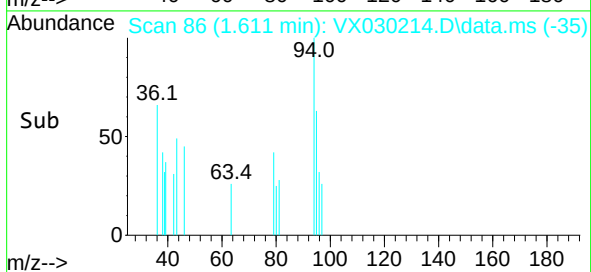
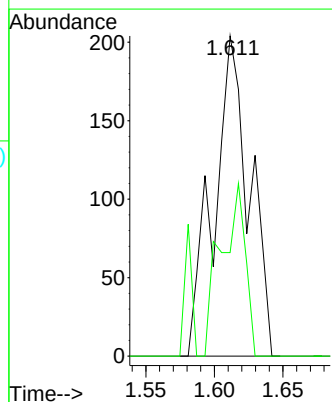
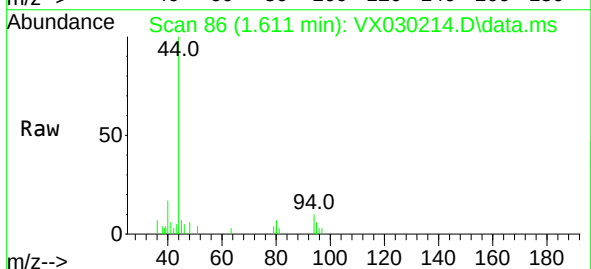
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

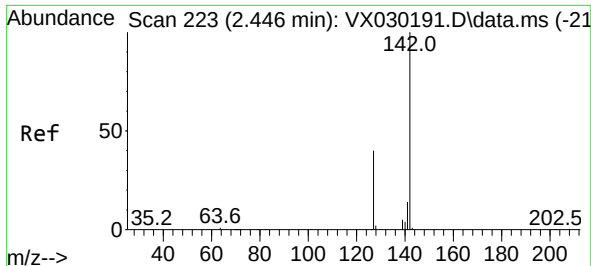
Tgt Ion:168 Resp: 131105
Ion Ratio Lower Upper
168 100
99 58.3 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 32.4 76.9 115.3#

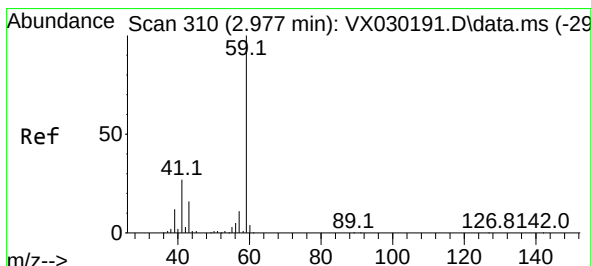
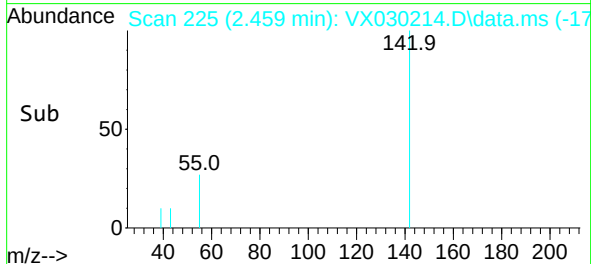
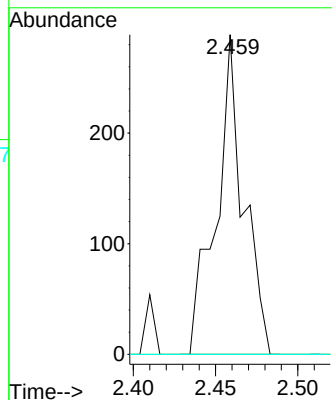
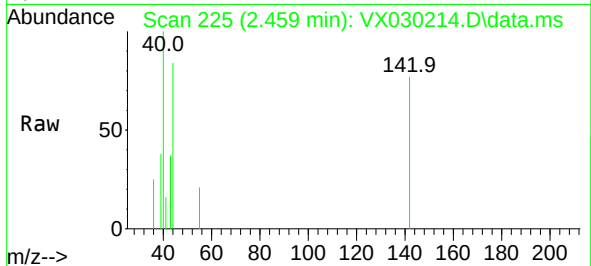




#10
Methyl Iodide
Concen: 1.684 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

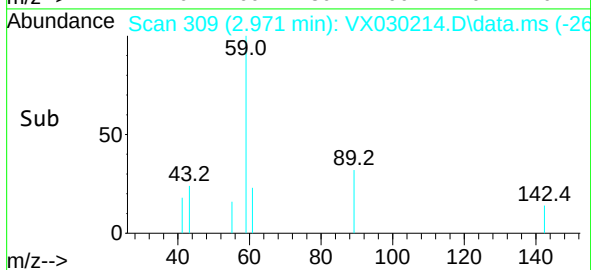
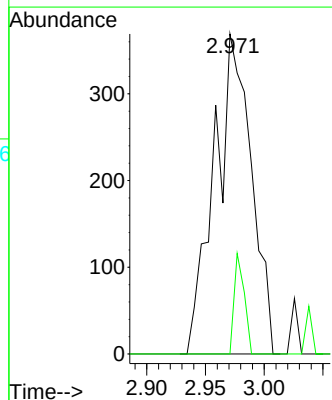
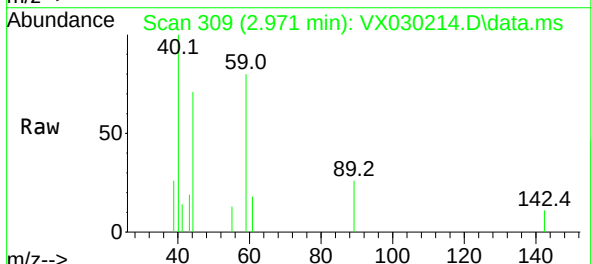
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

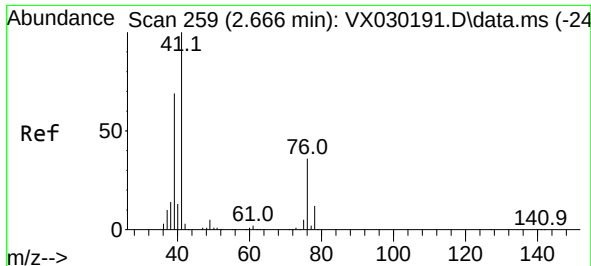
Tgt Ion:142 Resp: 334
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.257 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

Tgt Ion: 59 Resp: 808
Ion Ratio Lower Upper
59 100
57 8.4 7.4 11.2

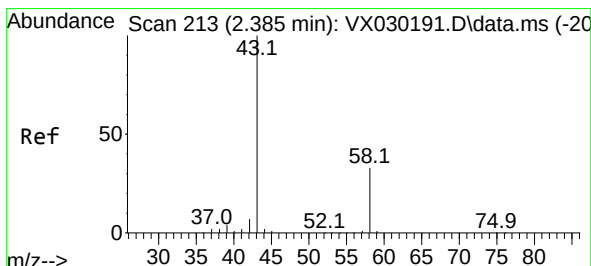
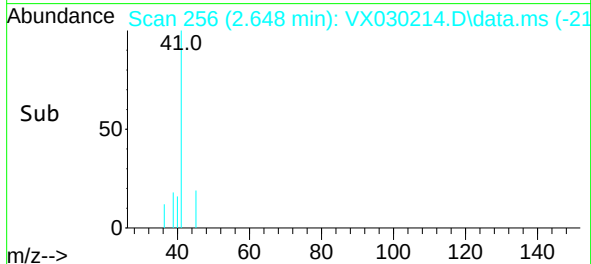
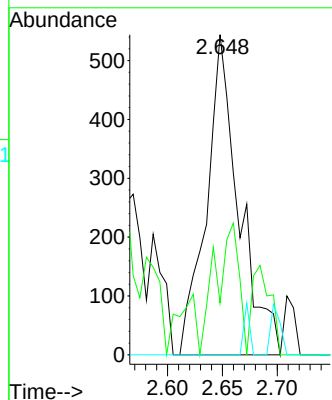
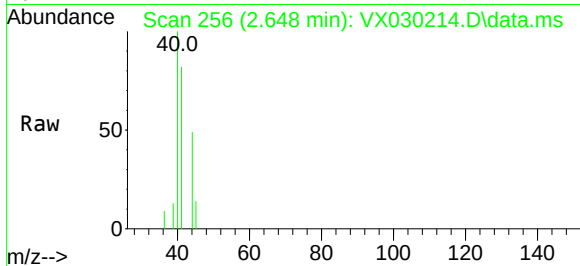




#14
 Allyl chloride
 Concen: 0.265 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX030214.D
 Acq: 26 Jul 2022 16:50

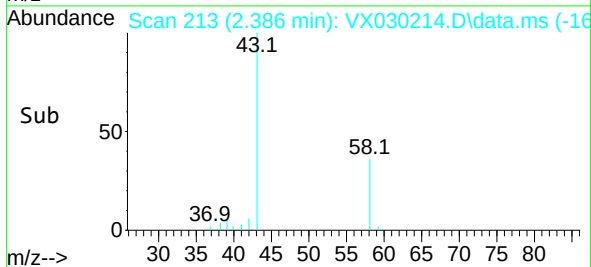
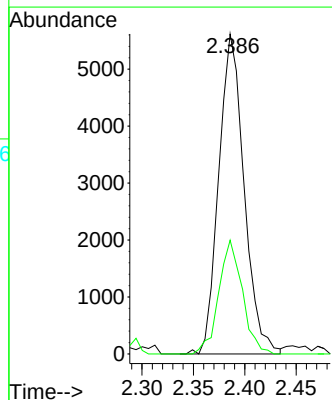
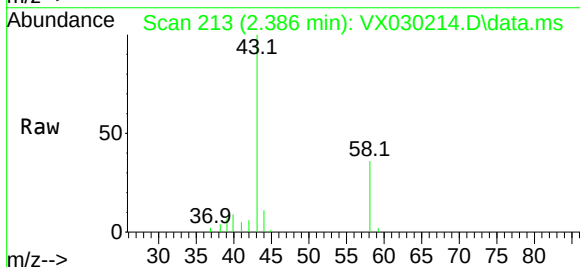
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-09-07212022

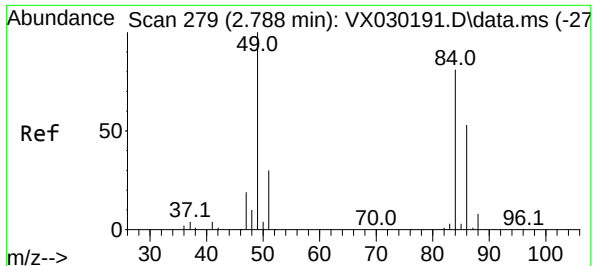
Tgt Ion: 41 Resp: 1122
 Ion Ratio Lower Upper
 41 100
 39 29.4 48.9 73.3#
 76 0.0 26.9 40.3#



#16
 Acetone
 Concen: 7.127 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.001 min
 Lab File: VX030214.D
 Acq: 26 Jul 2022 16:50

Tgt Ion: 43 Resp: 9615
 Ion Ratio Lower Upper
 43 100
 58 35.5 27.7 41.5





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030214.D

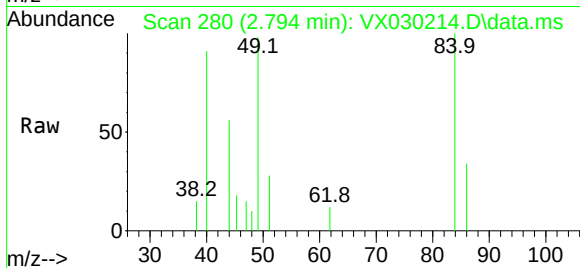
Acq: 26 Jul 2022 16:50

Instrument :

MSVOA_X

ClientSampleId :

EB-09-07212022



Tgt Ion: 84 Resp: 804

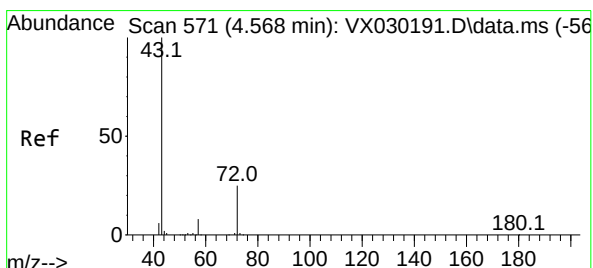
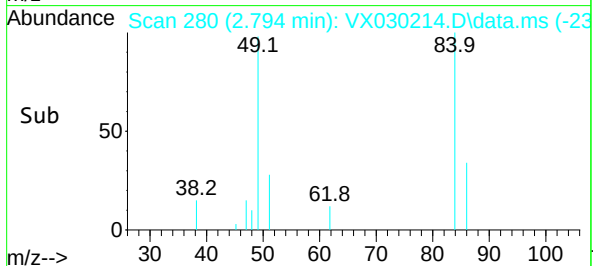
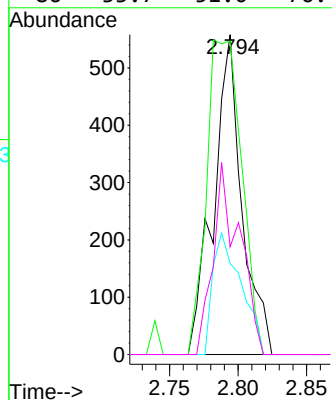
Ion Ratio Lower Upper

84 100

49 98.0 93.8 140.6

51 28.5 29.4 44.0#

86 33.7 51.0 76.4#



#25

2-Butanone

Concen: 1.813 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX030214.D

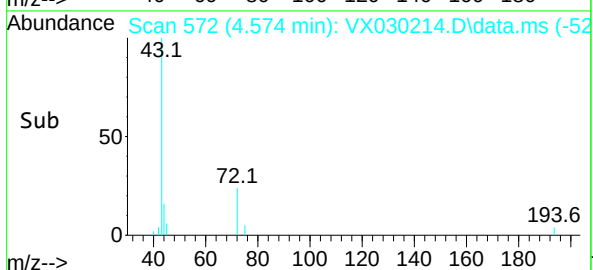
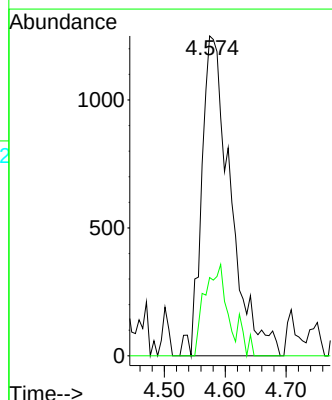
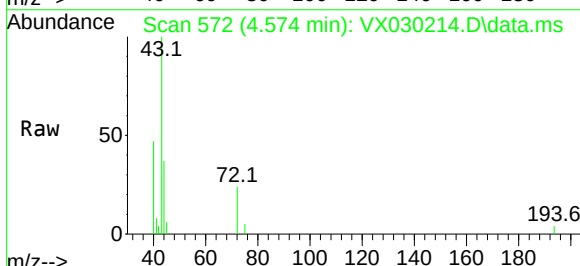
Acq: 26 Jul 2022 16:50

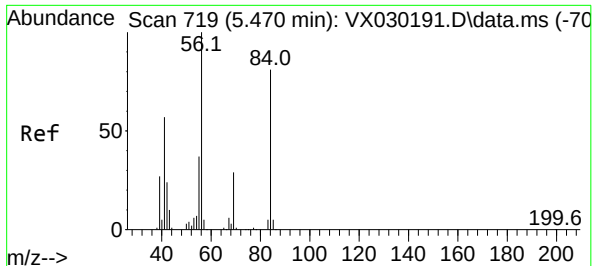
Tgt Ion: 43 Resp: 4111

Ion Ratio Lower Upper

43 100

72 24.5 21.7 32.5

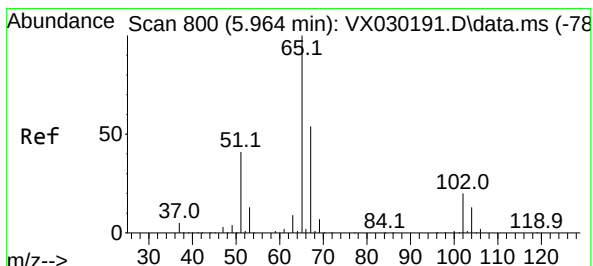
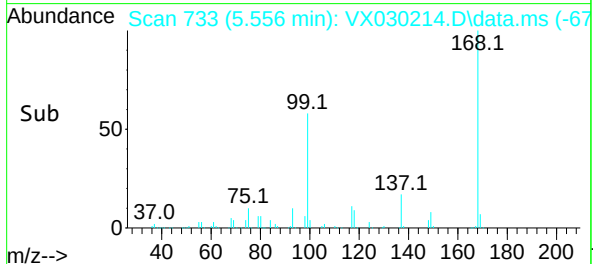
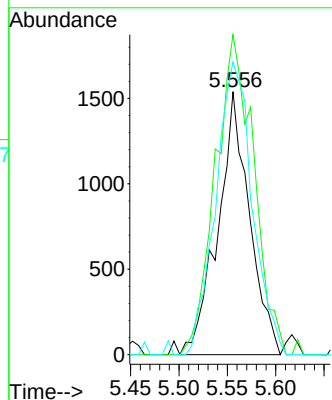
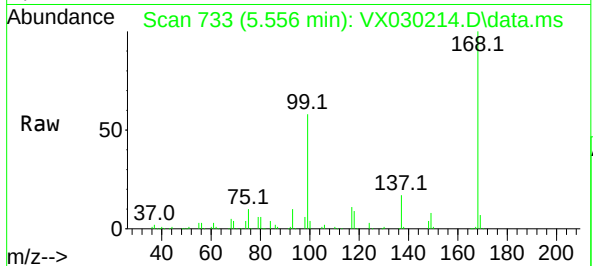




#31
Cyclohexane
Concen: 0.915 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

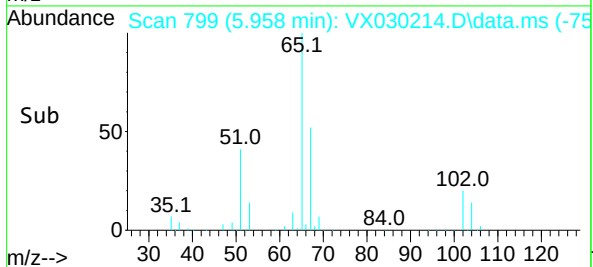
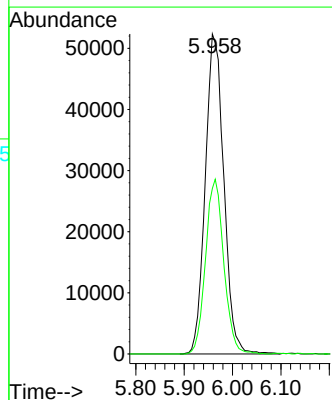
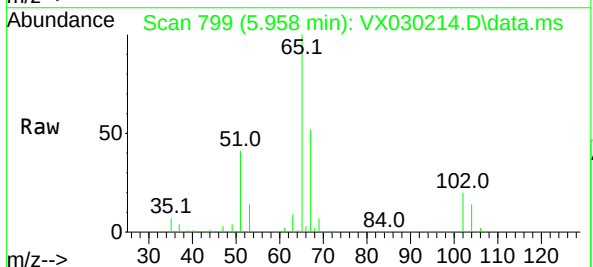
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

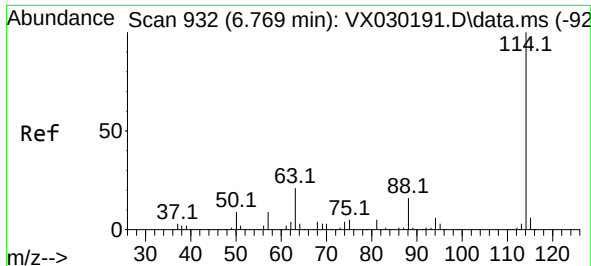
Tgt Ion: 56 Resp: 3499
Ion Ratio Lower Upper
56 100
69 121.6 25.4 38.0#
84 111.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 52.961 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

Tgt Ion: 65 Resp: 139559
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.6

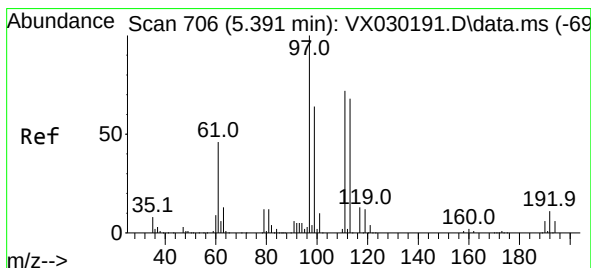
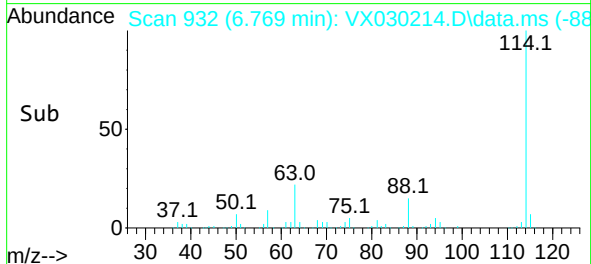
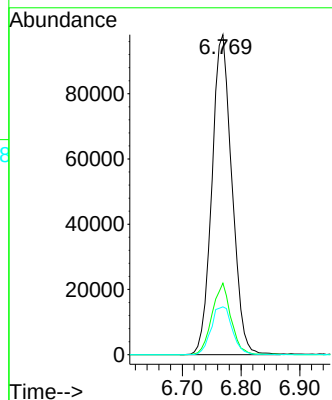
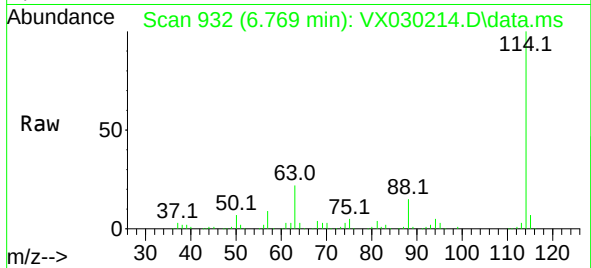




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

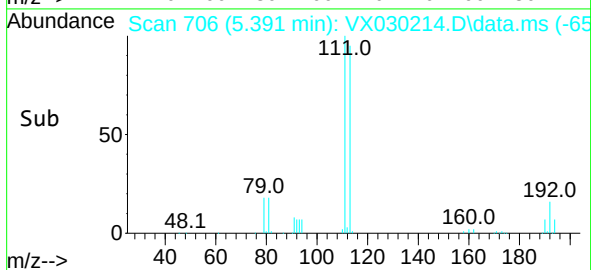
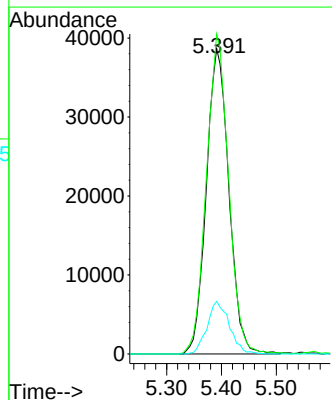
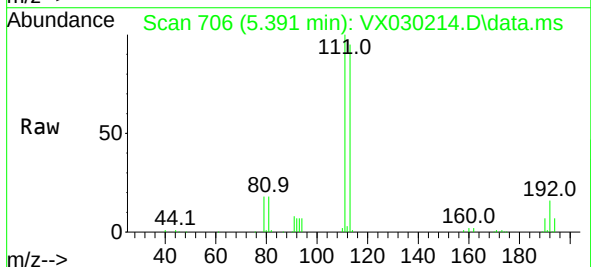
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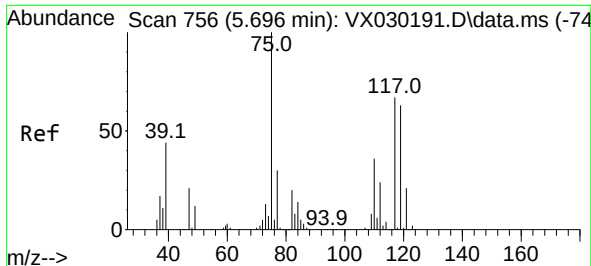
Tgt Ion:114 Resp: 231812
Ion Ratio Lower Upper
114 100
63 22.4 0.0 38.4
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.830 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

Tgt Ion:113 Resp: 110423
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 17.0 14.8 22.2

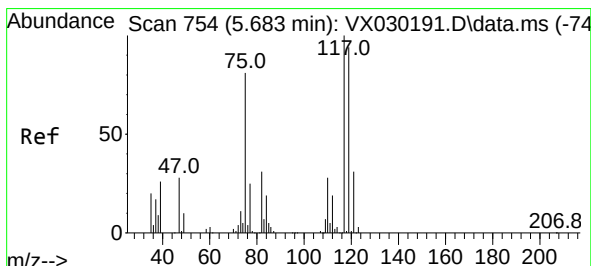
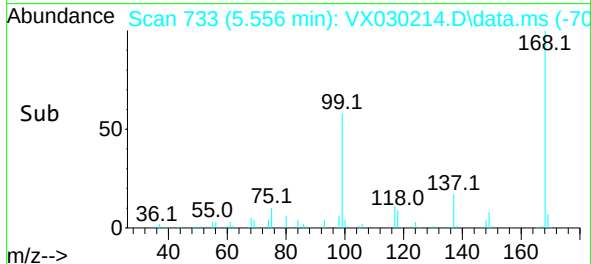
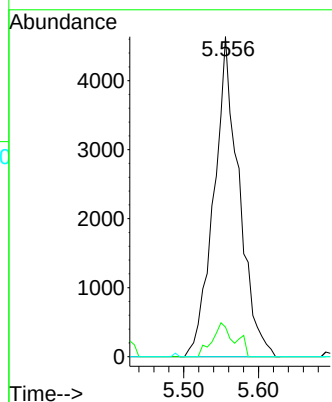
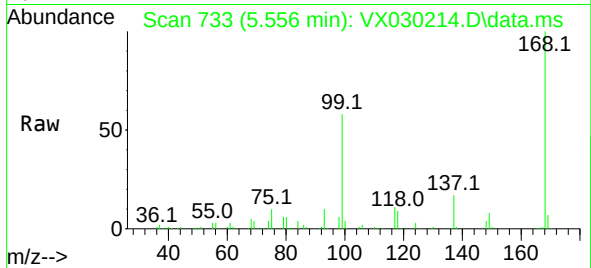




#36
 1,1-Dichloropropene
 Concen: 3.395 ug/l
 RT: 5.556 min Scan# 711
 Delta R.T. -0.140 min
 Lab File: VX030214.D
 Acq: 26 Jul 2022 16:50

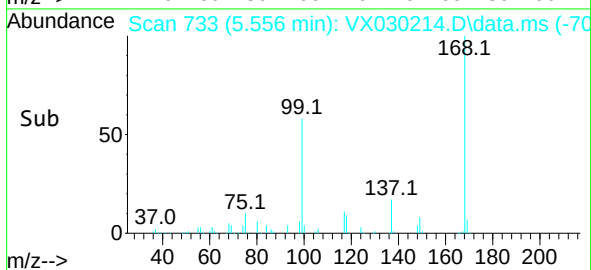
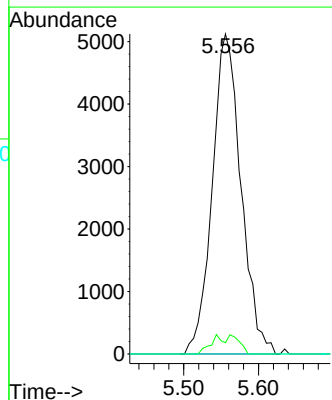
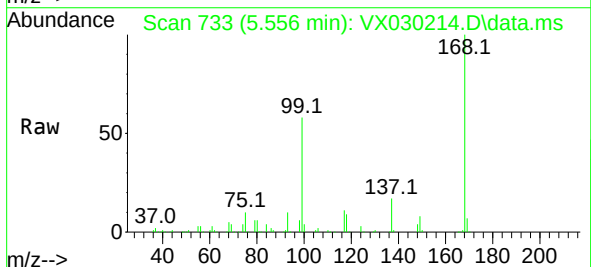
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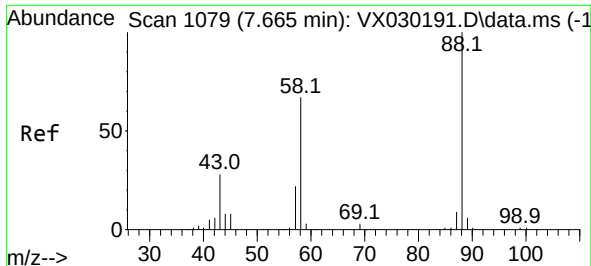
Tgt Ion: 75 Resp: 10828
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.3 57.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.596 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.127 min
 Lab File: VX030214.D
 Acq: 26 Jul 2022 16:50

Tgt Ion: 117 Resp: 13682
 Ion Ratio Lower Upper
 117 100
 119 3.5 74.1 111.1#
 121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 0.731 ug/l

RT: 7.842 min Scan# 1108

Delta R.T. 0.177 min

Lab File: VX030214.D

Acq: 26 Jul 2022 16:50

Instrument :

MSVOA_X

ClientSampleId :

EB-09-07212022

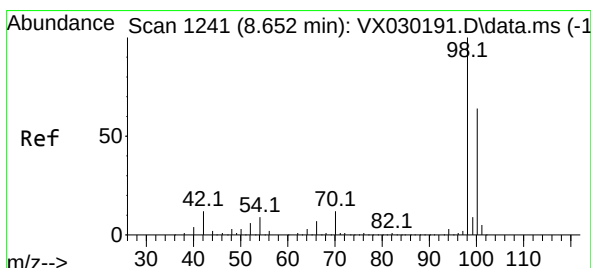
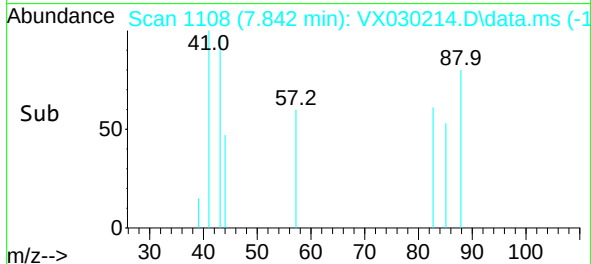
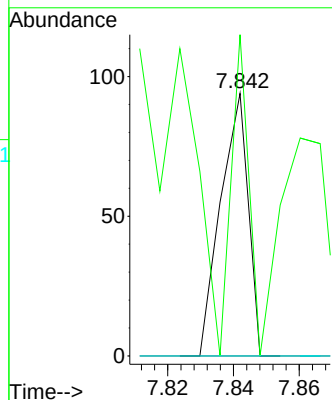
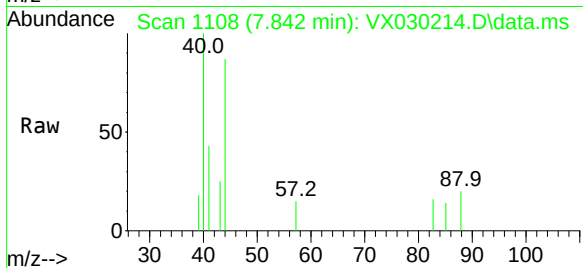
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 76.4 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 47.261 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030214.D

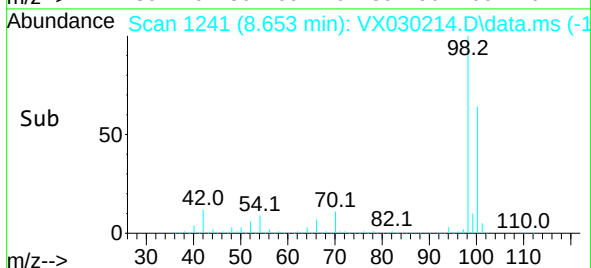
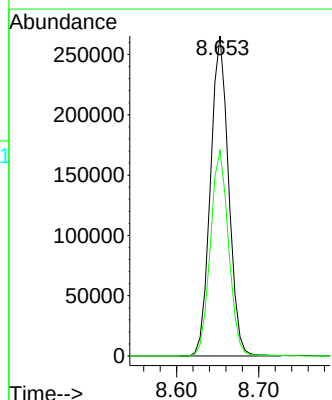
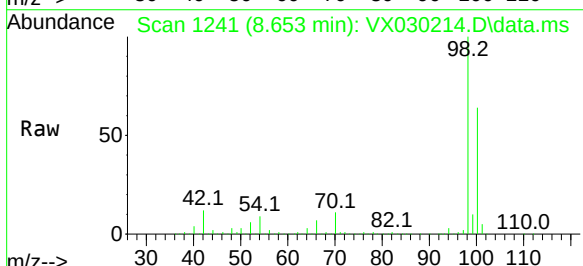
Acq: 26 Jul 2022 16:50

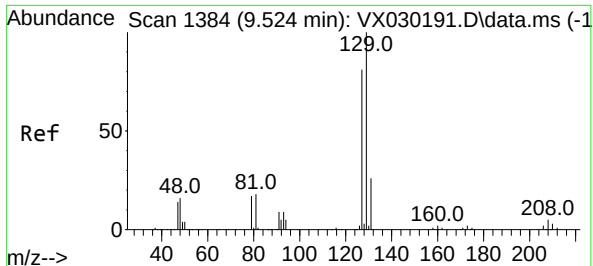
Tgt Ion: 98 Resp: 405587

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5

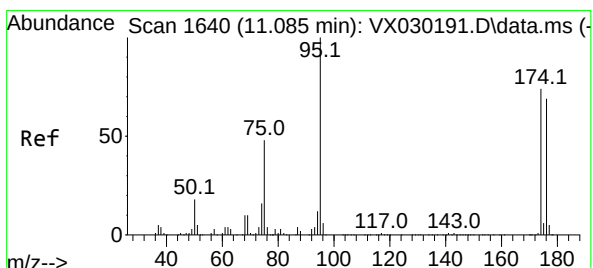
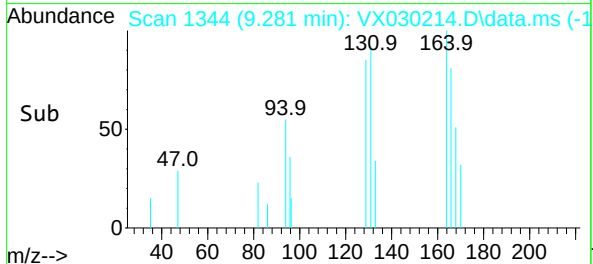
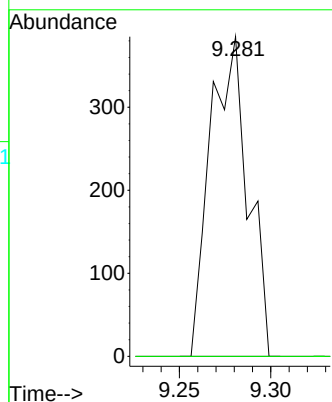
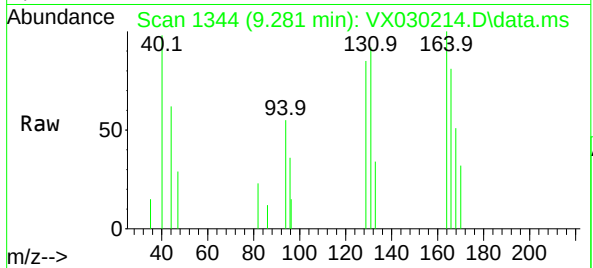




#60
Dibromochloromethane
Concen: 0.230 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.243 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

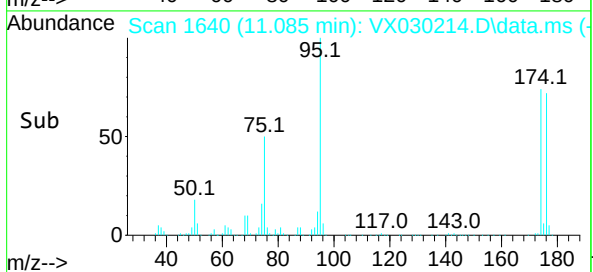
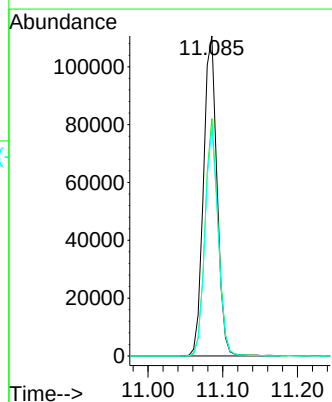
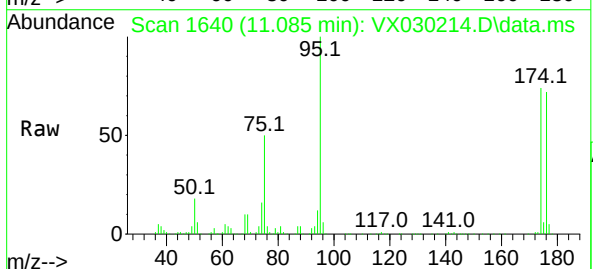
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

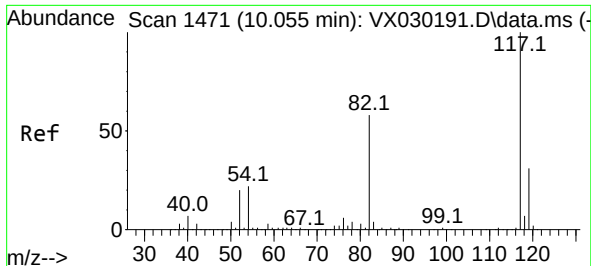
Tgt Ion:129 Resp: 554
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 43.773 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

Tgt Ion: 95 Resp: 139414
Ion Ratio Lower Upper
95 100
174 71.8 0.0 149.0
176 69.4 0.0 146.0

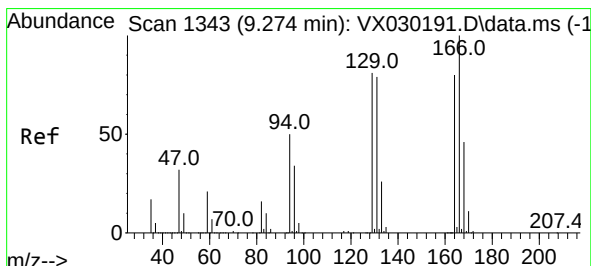
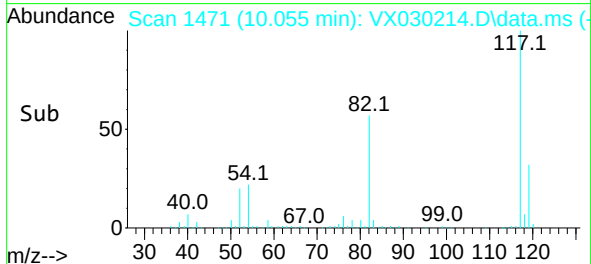
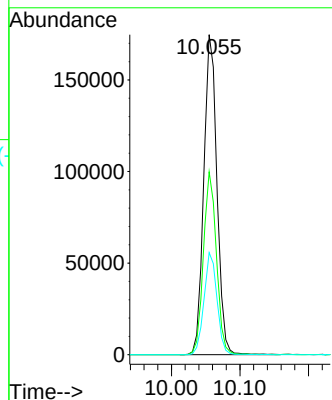
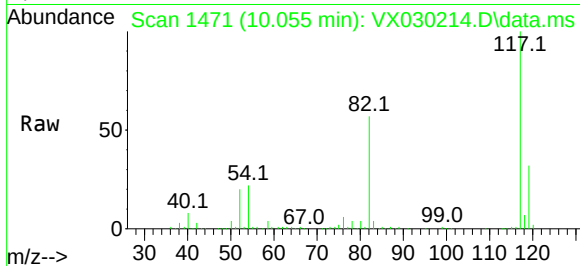




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

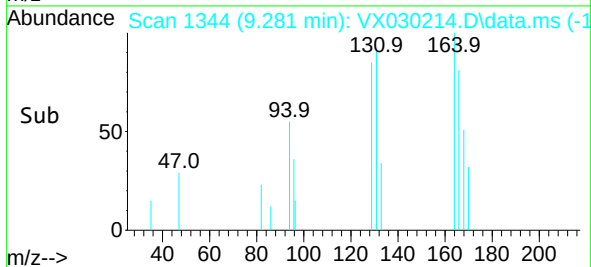
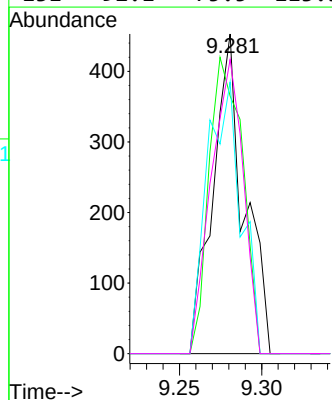
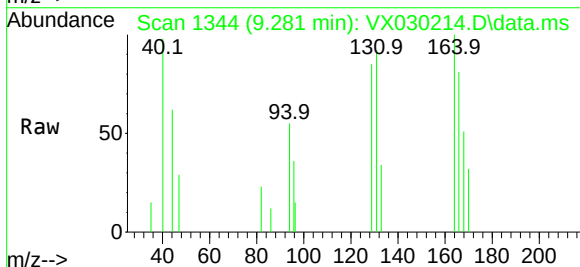
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

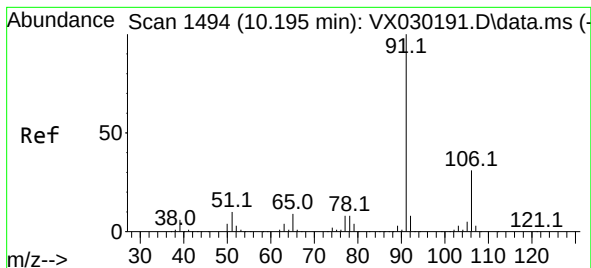
Tgt Ion:117 Resp: 234185
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 0.240 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.007 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

Tgt Ion:164 Resp: 604
Ion Ratio Lower Upper
164 100
166 80.6 98.2 147.4#
129 85.0 80.8 121.2
131 92.1 75.5 113.3





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX030214.D

Acq: 26 Jul 2022 16:50

Instrument :

MSVOA_X

ClientSampleId :

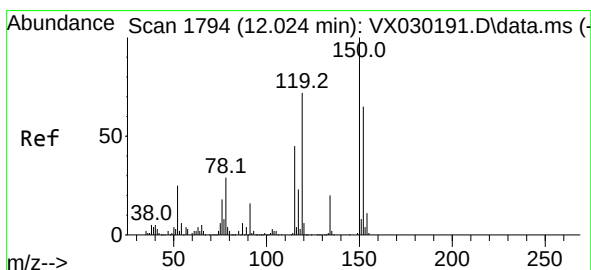
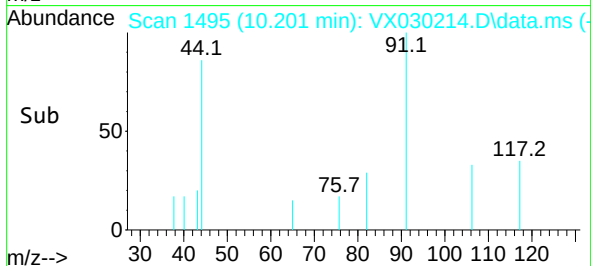
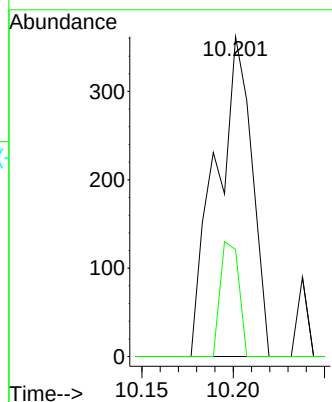
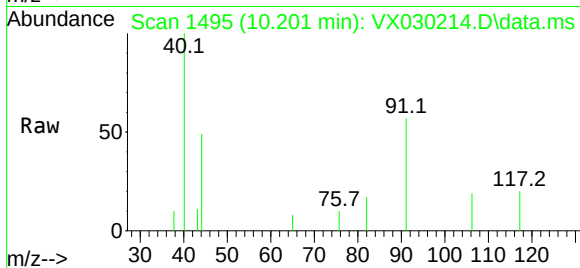
EB-09-07212022

Tgt Ion: 91 Resp: 497

Ion Ratio Lower Upper

91 100

106 33.4 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: VX030214.D

Acq: 26 Jul 2022 16:50

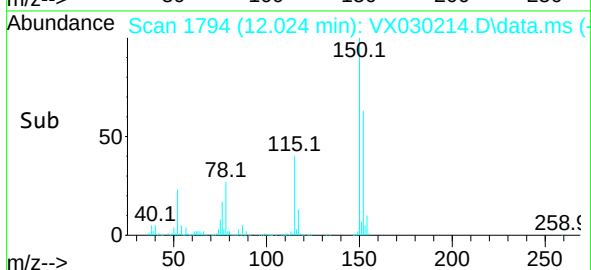
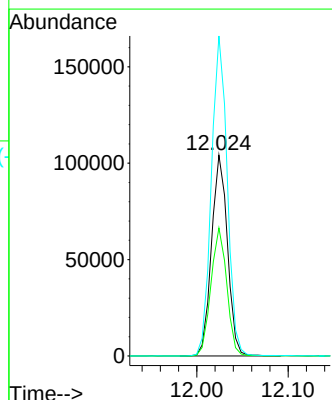
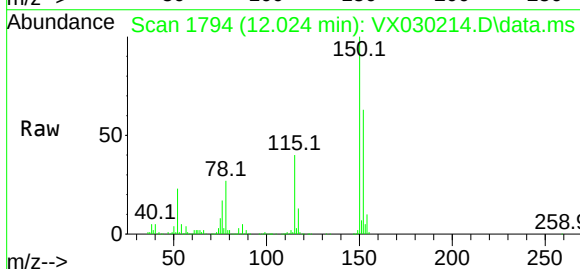
Tgt Ion:152 Resp: 125888

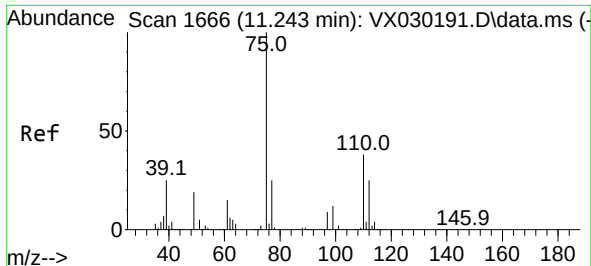
Ion Ratio Lower Upper

152 100

115 63.4 40.5 121.5

150 158.5 0.0 347.0

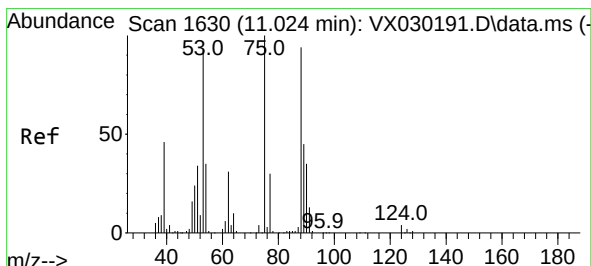
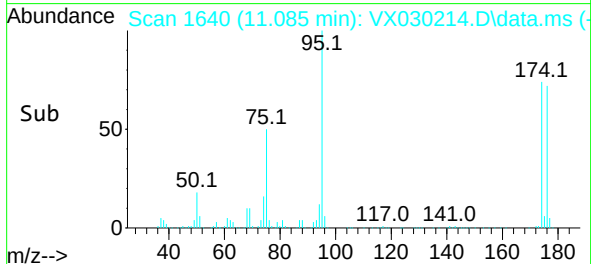
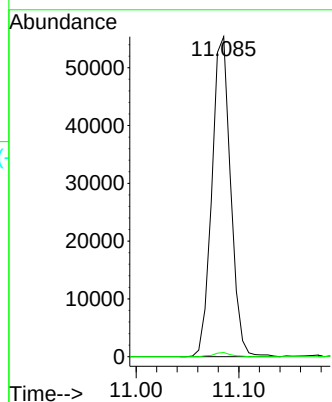
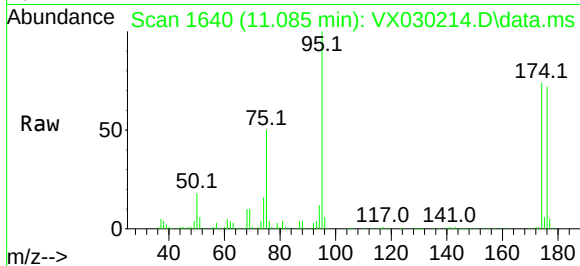




#76
1,2,3-Trichloropropane
Concen: 21.113 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

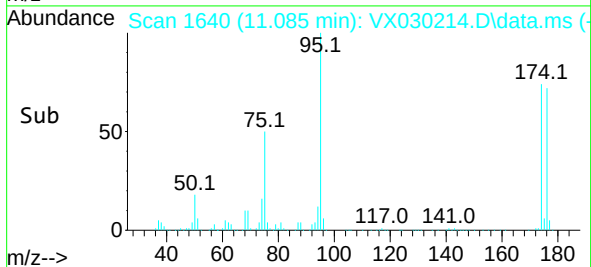
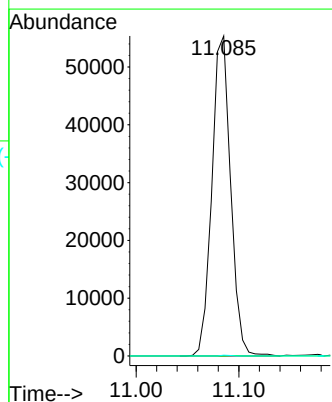
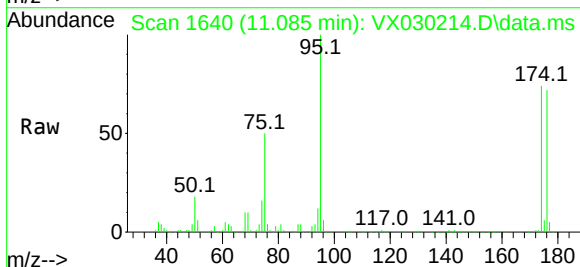
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

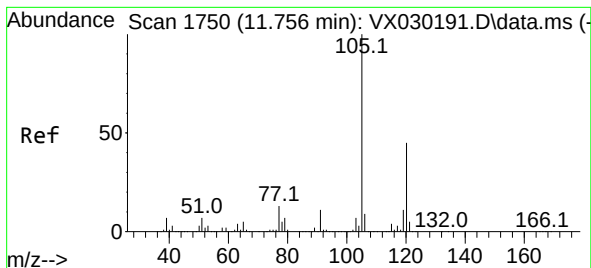
Tgt Ion: 75 Resp: 70061
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.338 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030214.D
Acq: 26 Jul 2022 16:50

Tgt Ion: 75 Resp: 70061
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.218 ug/l

RT: 11.762 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030214.D

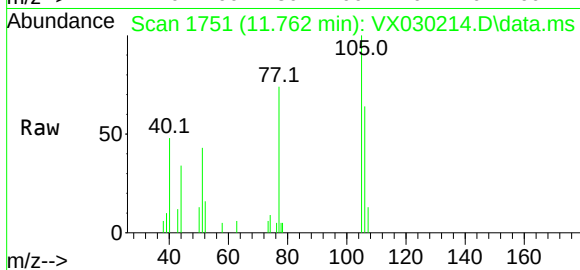
Acq: 26 Jul 2022 16:50

Instrument :

MSVOA_X

ClientSampleId :

EB-09-07212022



Tgt Ion:105 Resp: 1786

Ion Ratio Lower Upper

105 100

120 4.5 22.9 68.8#

