

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032922\
 Data File : VX027792.D
 Acq On : 29 Mar 2022 22:39
 Operator : JC/MD
 Sample : N2041-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20220317

Quant Time: Mar 30 05:16:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

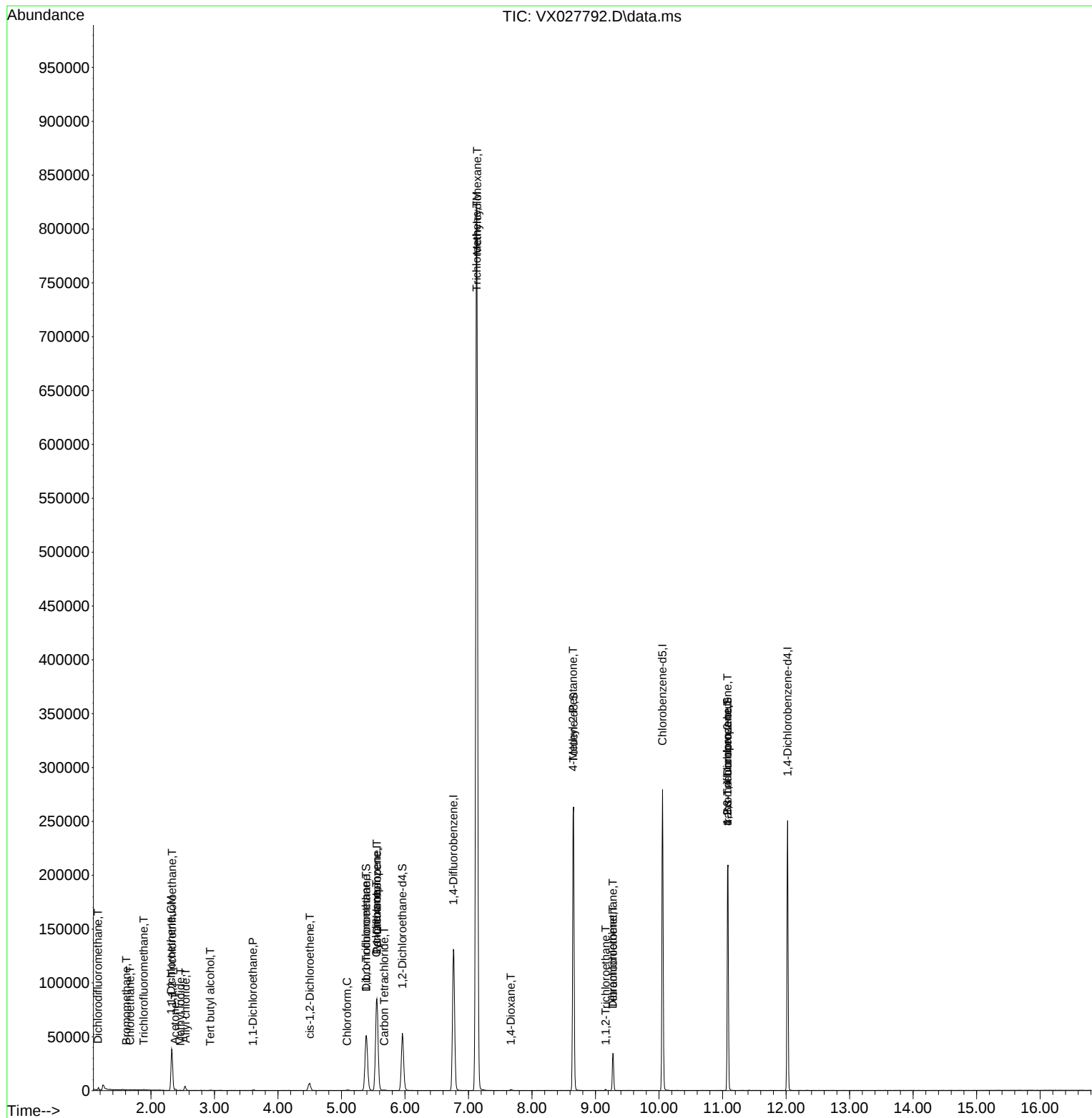
Internal Standards						
1) Pentafluorobenzene	5.556	168	78860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	50142	49.279	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.560%		
35) Dibromofluoromethane	5.385	113	45177	51.375	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.760%		
50) Toluene-d8	8.653	98	153088	49.480	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.960%		
62) 4-Bromofluorobenzene	11.079	95	58096	44.186	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	494	0.691	ug/l	100
5) Bromomethane	1.611	94	105	0.360	ug/l	82
6) Chloroethane	1.672	64	154	0.353	ug/l #	43
7) Trichlorofluoromethane	1.886	101	323	0.284	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	12187	16.504	ug/l	98
10) Methyl Iodide	2.465	142	172	0.201	ug/l #	41
11) Tert butyl alcohol	2.934	59	127	0.650	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	3440	5.077	ug/l #	87
14) Allyl chloride	2.544	41	370	0.297	ug/l #	61
16) Acetone	2.380	43	986	2.190	ug/l #	79
24) 1,1-Dichloroethane	3.605	63	811	0.578	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	4106	4.630	ug/l	96
30) Chloroform	5.086	83	692	0.444	ug/l	98
31) Cyclohexane	5.550	56	1603	1.425	ug/l #	30
32) 1,1,1-Trichloroethane	5.385	97	344	0.255	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	6556	5.919	ug/l #	50
38) Carbon Tetrachloride	5.672	117	528	0.432	ug/l #	48
39) Methylcyclohexane	7.135	83	3622	2.779	ug/l #	1
44) Trichloroethene	7.129	130	310720	340.651	ug/l	91
49) 1,4-Dioxane	7.665	88	676	29.692	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	758	0.497	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	344	0.367	ug/l	93
60) Dibromochloromethane	9.275	129	6129	6.304	ug/l #	9
64) Tetrachloroethene	9.275	164	5889	7.681	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	33026	30.558	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	33026	88.945	ug/l #	15

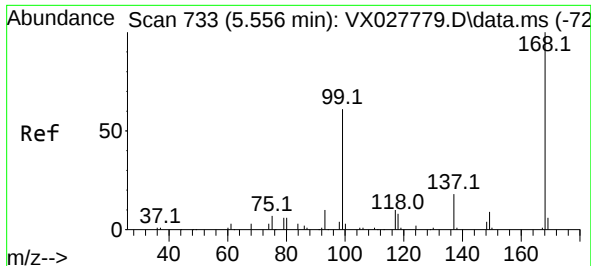
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE125D2-20220317

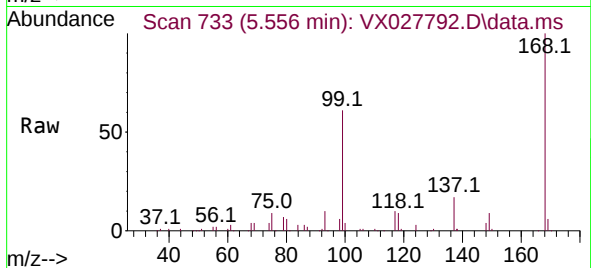
Quant Time: Mar 30 05:16:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 04:39:27 2022
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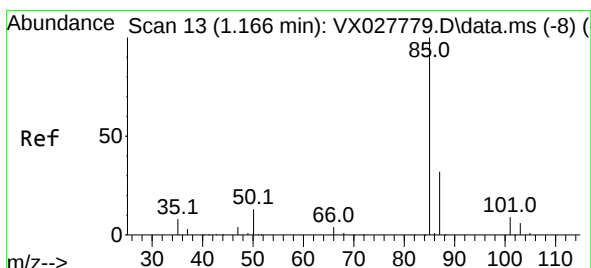
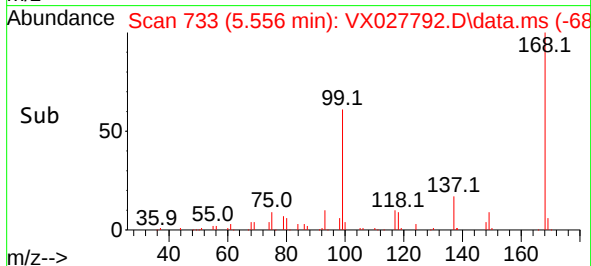
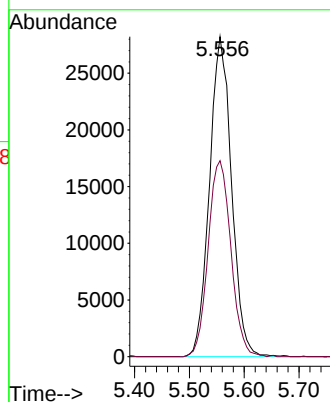


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

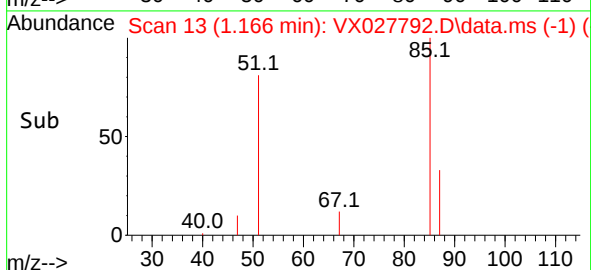
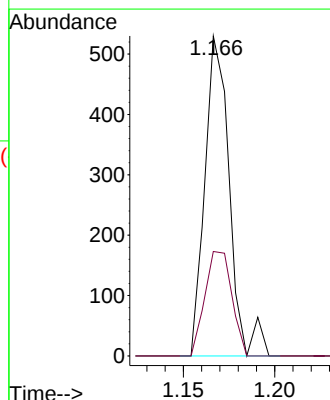
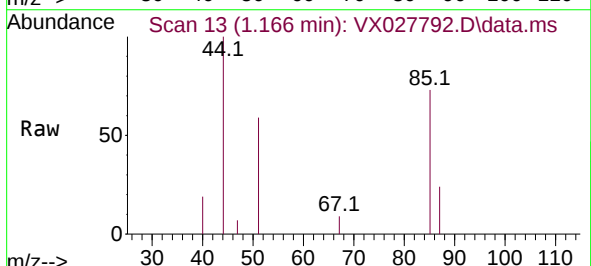


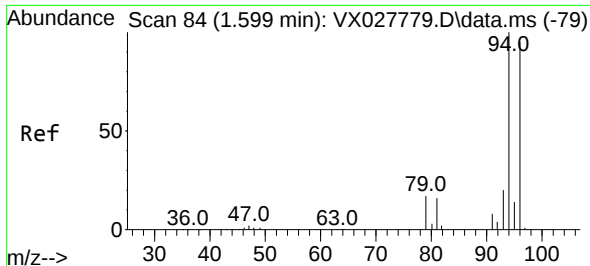
Tgt Ion:168 Resp: 78860
Ion Ratio Lower Upper
168 100
99 61.3 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.691 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 85 Resp: 494
Ion Ratio Lower Upper
85 100
87 32.6 16.2 48.6

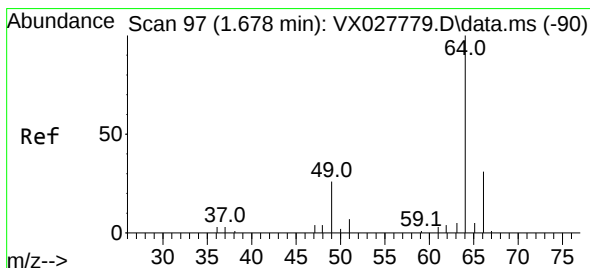
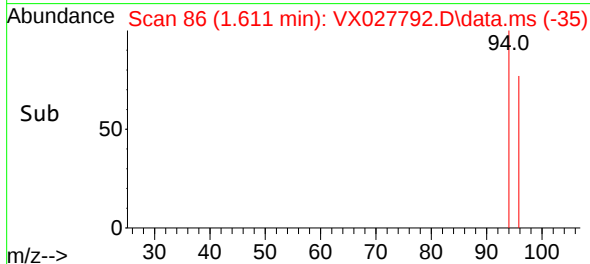
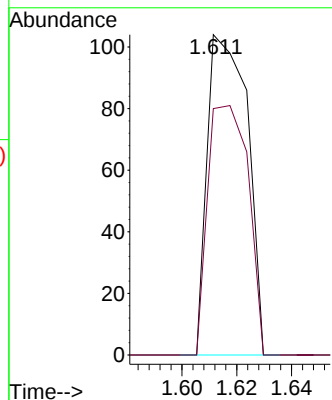
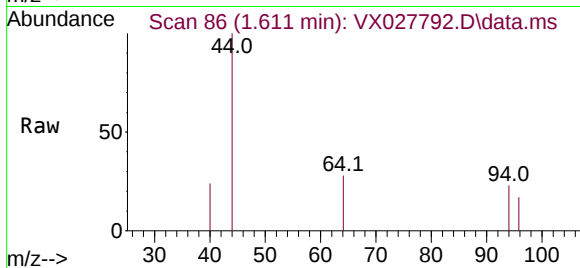




#5
Bromomethane
Concen: 0.360 ug/l
RT: 1.611 min Scan# 84
Delta R.T. 0.012 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

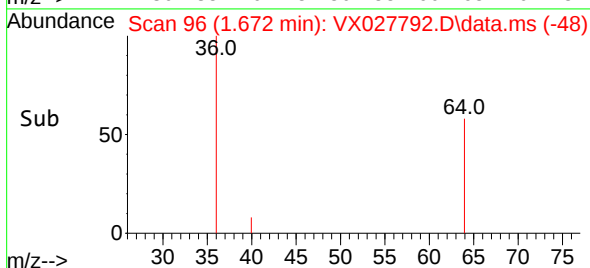
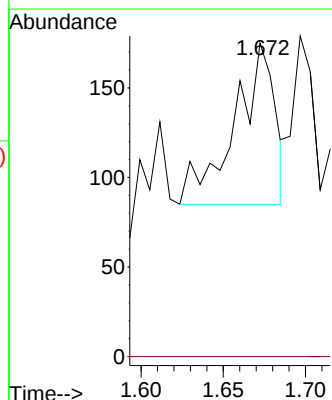
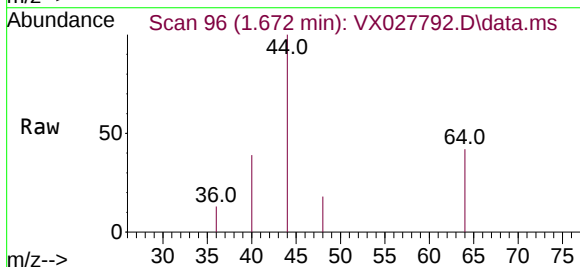
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

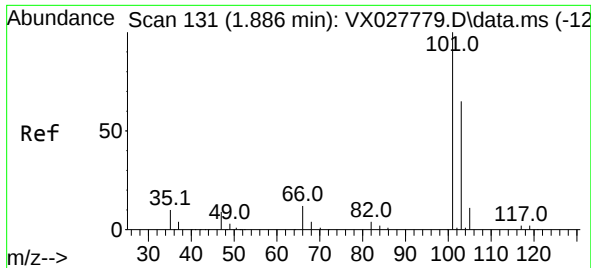
Tgt Ion: 94 Resp: 105
Ion Ratio Lower Upper
94 100
96 76.9 75.3 112.9



#6
Chloroethane
Concen: 0.353 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 64 Resp: 154
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

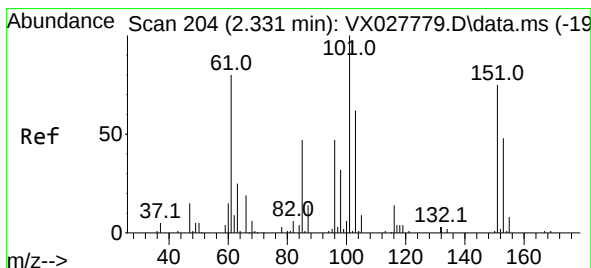
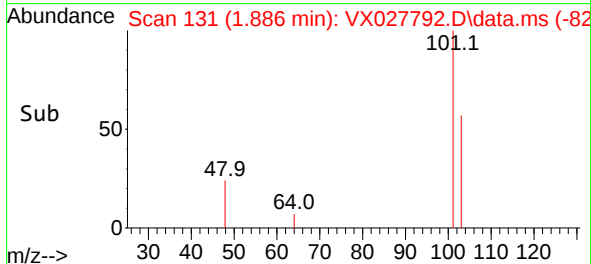
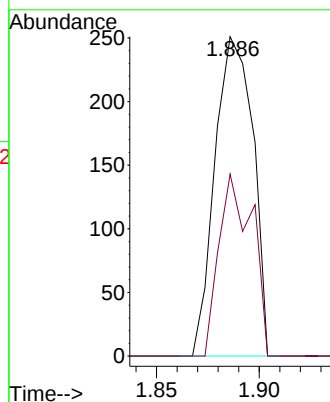
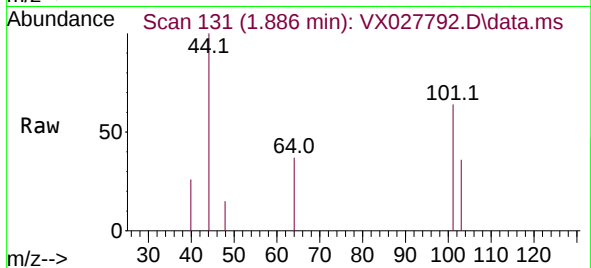




#7
 Trichlorofluoromethane
 Concen: 0.284 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027792.D
 Acq: 29 Mar 2022 22:39

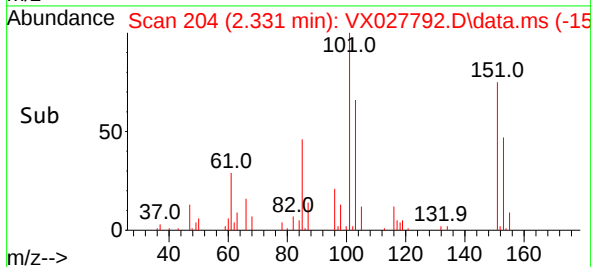
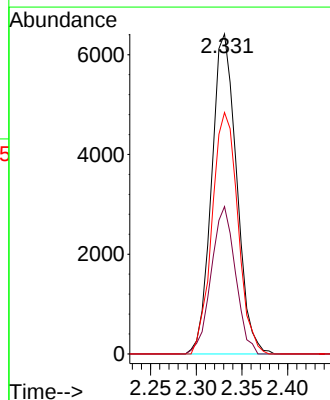
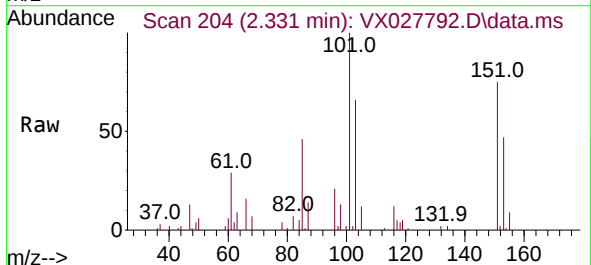
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20220317

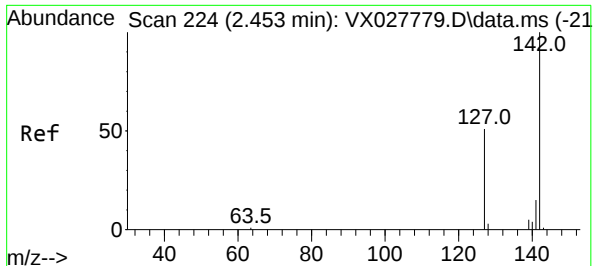
Tgt Ion:101 Resp: 323
 Ion Ratio Lower Upper
 101 100
 103 57.0 50.5 75.7



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.504 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX027792.D
 Acq: 29 Mar 2022 22:39

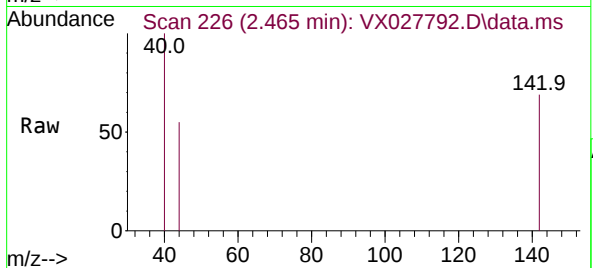
Tgt Ion:101 Resp: 12187
 Ion Ratio Lower Upper
 101 100
 85 44.6 33.5 50.3
 151 78.1 61.8 92.6



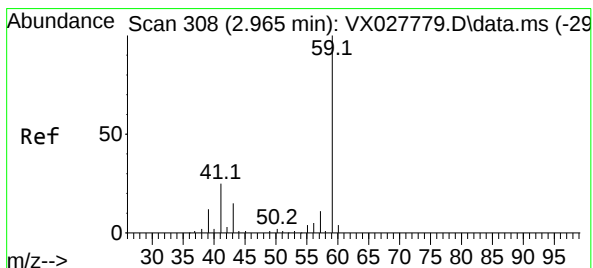
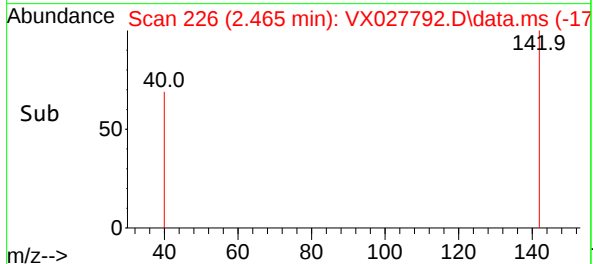
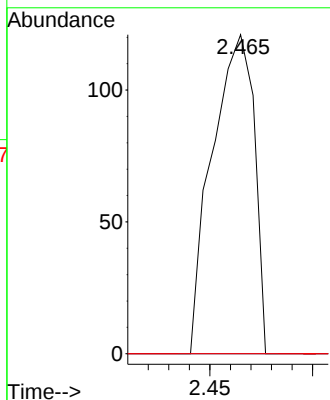


#10
Methyl Iodide
Concen: 0.201 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

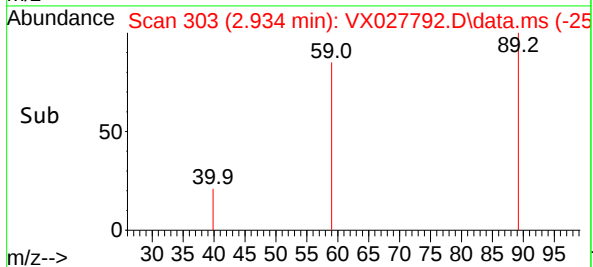
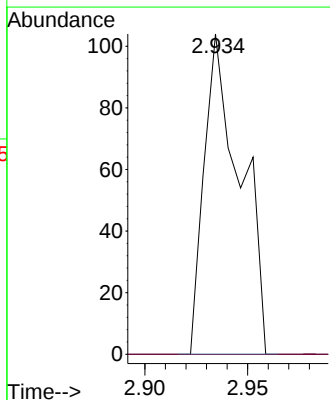
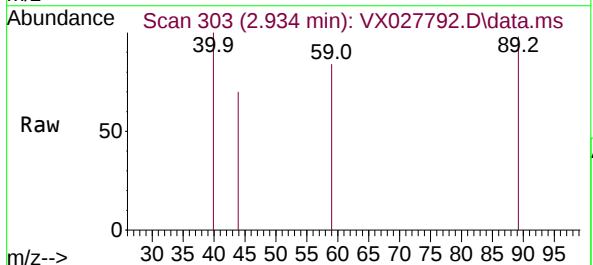


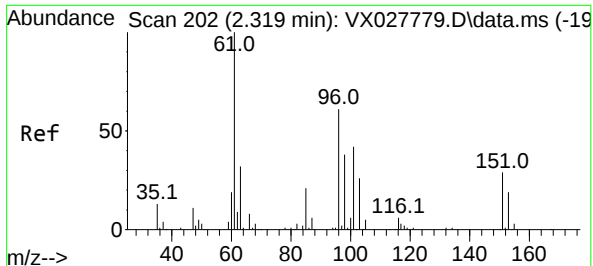
Tgt Ion:142 Resp: 172
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.650 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.031 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 5.077 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20220317

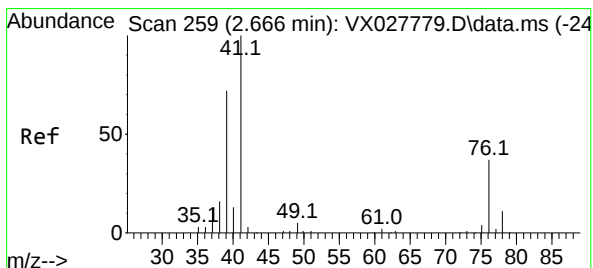
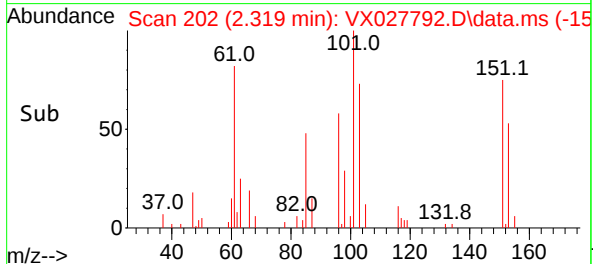
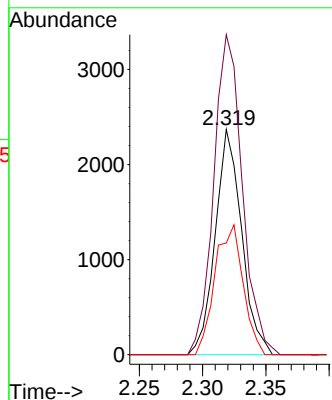
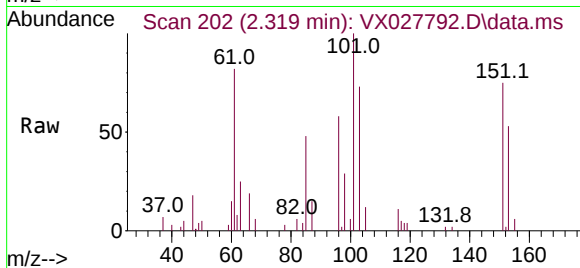
Tgt Ion: 96 Resp: 3440

Ion Ratio Lower Upper

96 100

61 142.1 124.6 187.0

98 49.6 51.0 76.4#



#14

Allyl chloride

Concen: 0.297 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.122 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

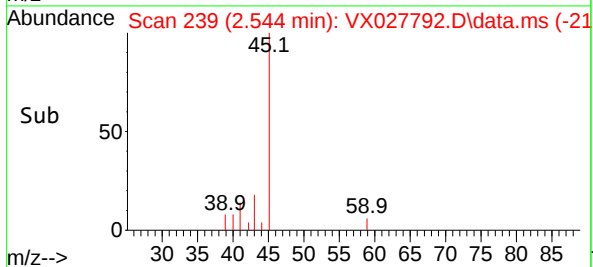
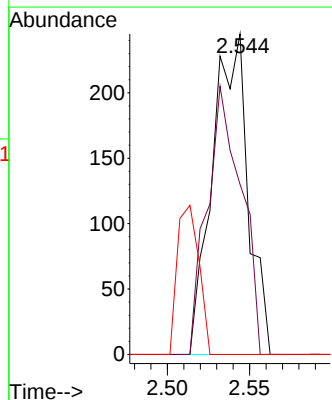
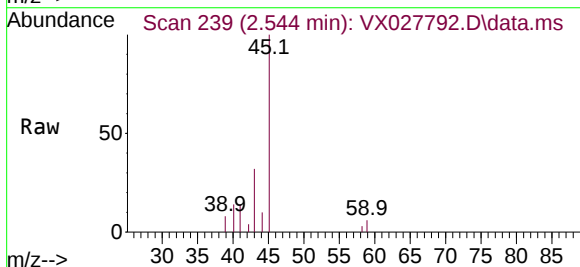
Tgt Ion: 41 Resp: 370

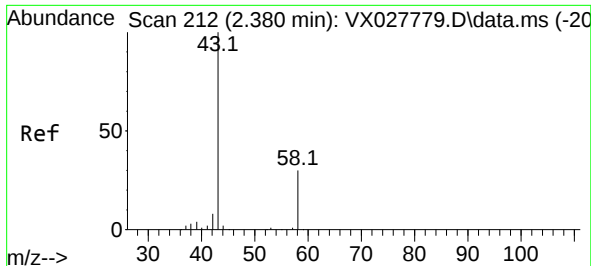
Ion Ratio Lower Upper

41 100

39 80.0 50.4 75.6#

76 0.0 32.7 49.1#

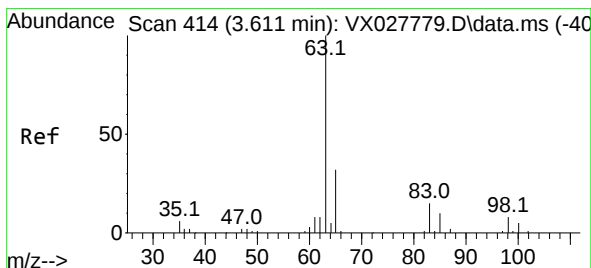
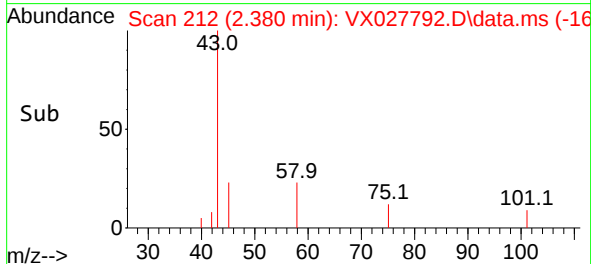
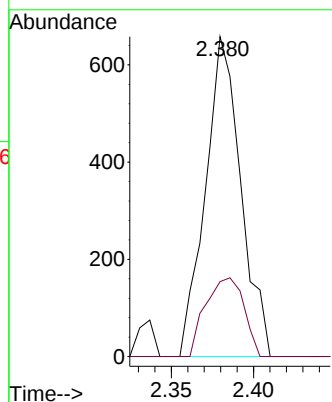
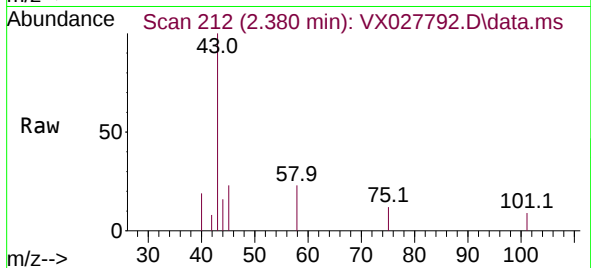




#16
Acetone
Concen: 2.190 ug/l
RT: 2.380 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

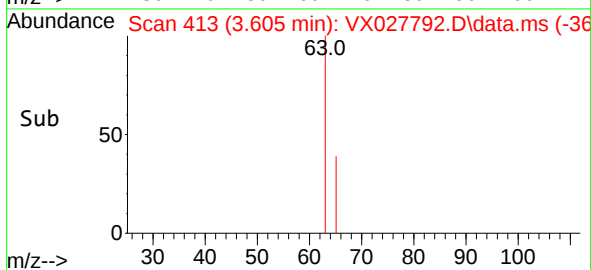
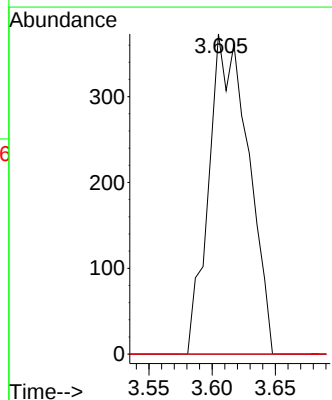
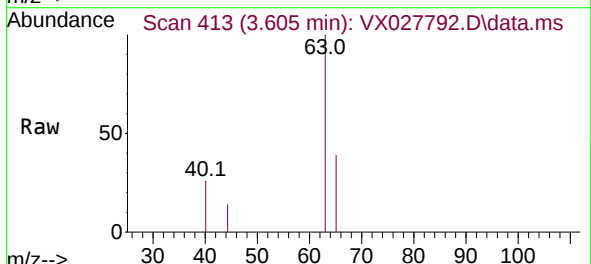
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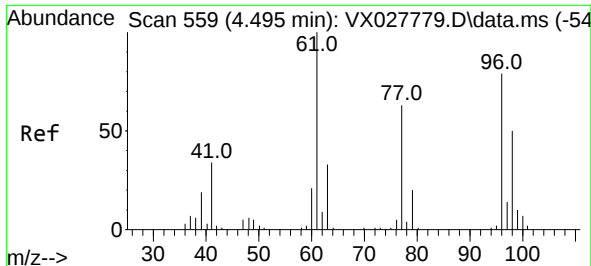
Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
58 23.4 28.8 43.2#



#24
1,1-Dichloroethane
Concen: 0.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 63 Resp: 811
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#





#27

cis-1,2-Dichloroethene

Concen: 4.630 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20220317

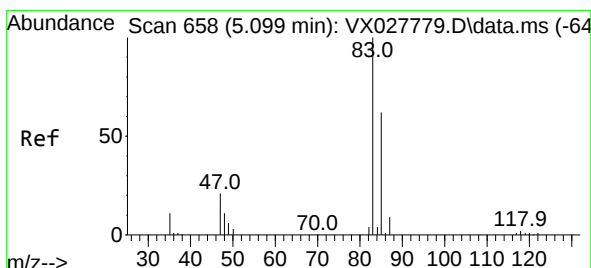
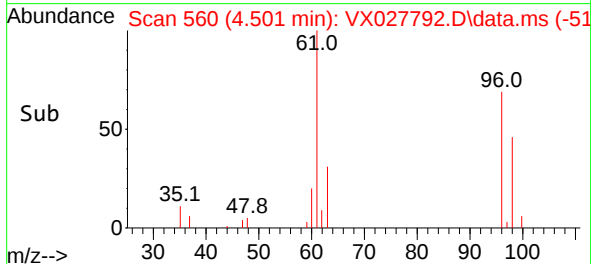
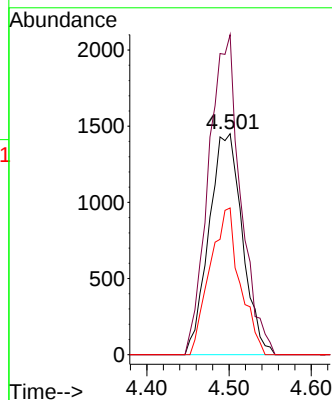
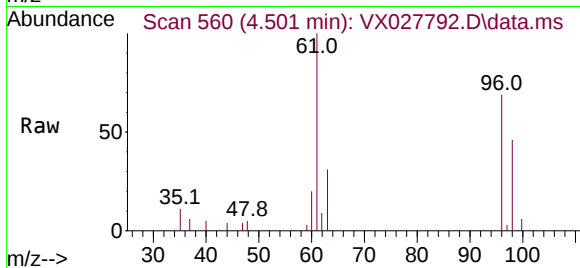
Tgt Ion: 96 Resp: 4106

Ion Ratio Lower Upper

96 100

61 138.6 0.0 283.8

98 59.6 0.0 129.8



#30

Chloroform

Concen: 0.444 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.013 min

Lab File: VX027792.D

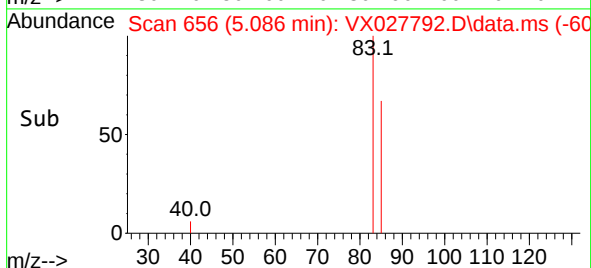
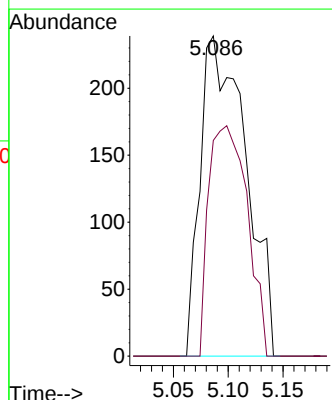
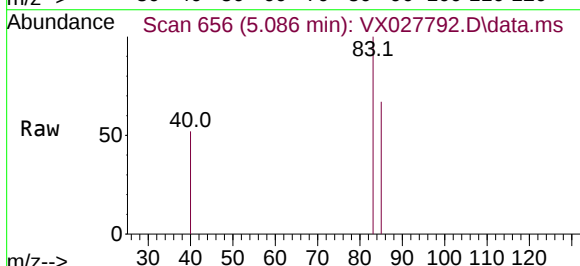
Acq: 29 Mar 2022 22:39

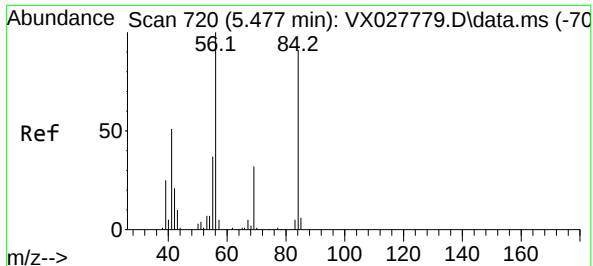
Tgt Ion: 83 Resp: 692

Ion Ratio Lower Upper

83 100

85 67.4 52.7 79.1

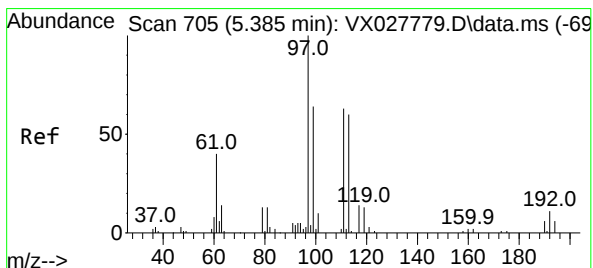
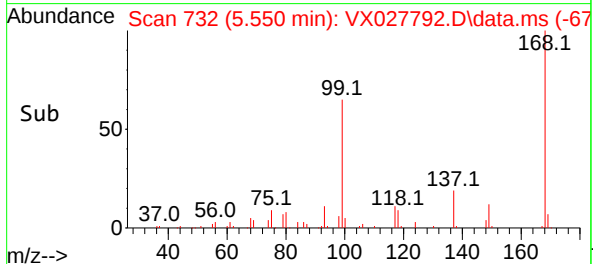
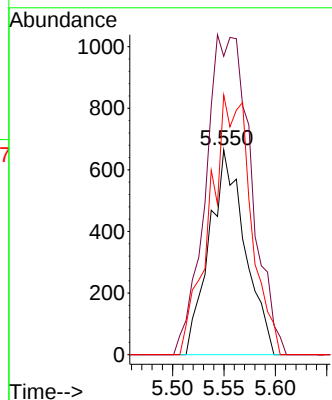
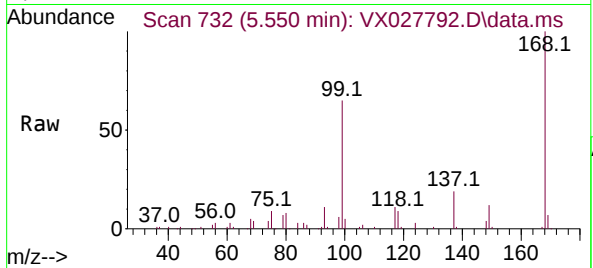




#31
Cyclohexane
Concen: 1.425 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.073 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

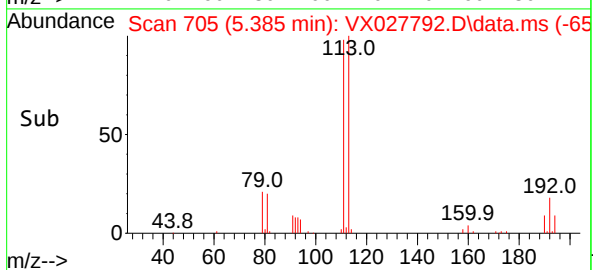
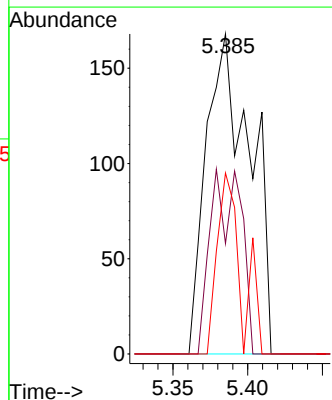
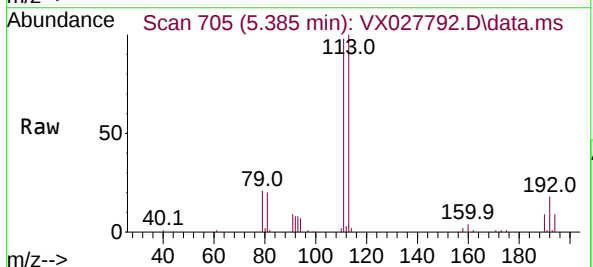
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

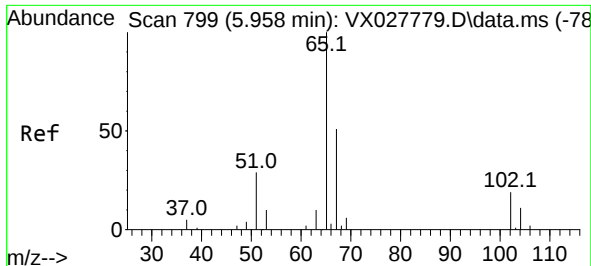
Tgt Ion: 56 Resp: 1603
Ion Ratio Lower Upper
56 100
69 137.0 26.7 40.1#
84 126.8 77.2 115.8#



#32
1,1,1-Trichloroethane
Concen: 0.255 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 97 Resp: 344
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 30.5 34.0 51.0#

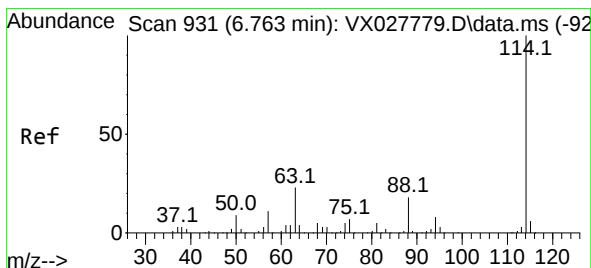
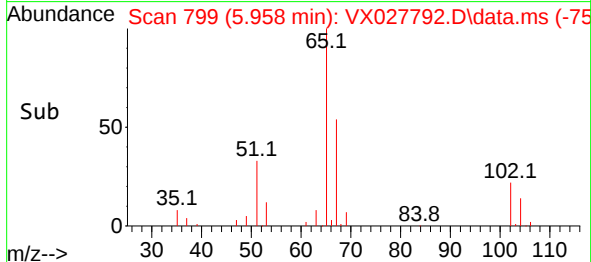
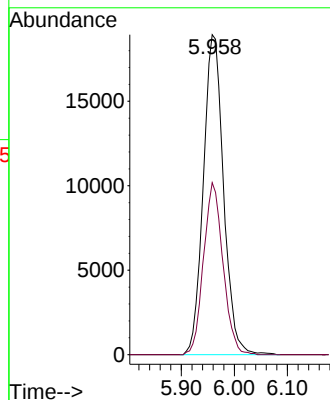
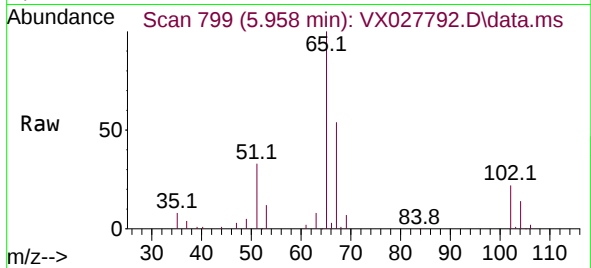




#33
 1,2-Dichloroethane-d4
 Concen: 49.279 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX027792.D
 Acq: 29 Mar 2022 22:39

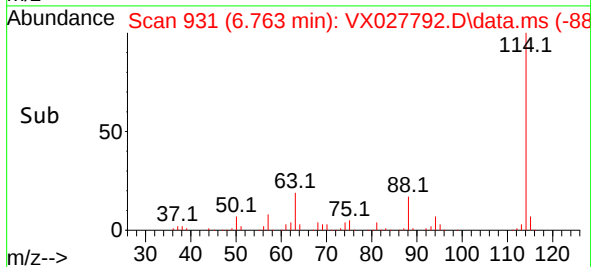
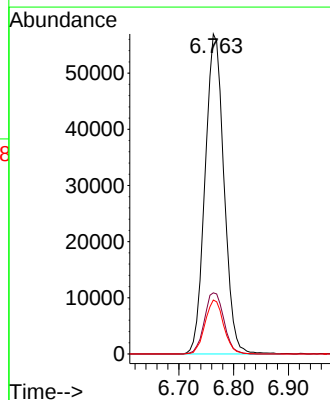
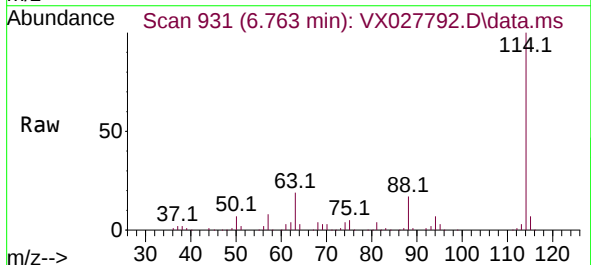
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20220317

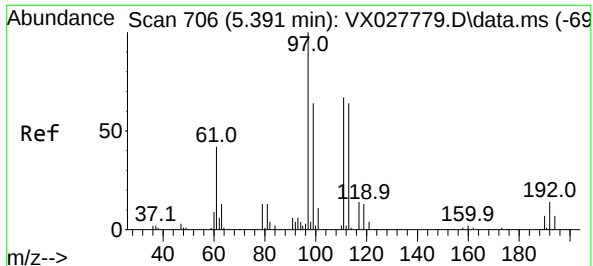
Tgt Ion: 65 Resp: 50142
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX027792.D
 Acq: 29 Mar 2022 22:39

Tgt Ion: 114 Resp: 136233
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.8
 88 16.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.375 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX027792.D

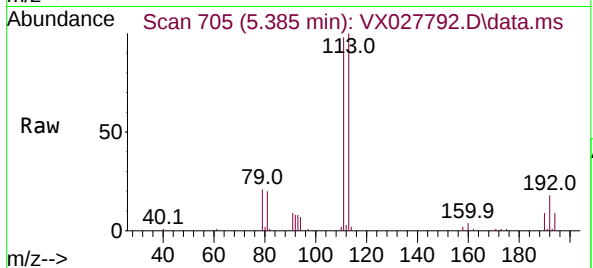
Acq: 29 Mar 2022 22:39

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20220317



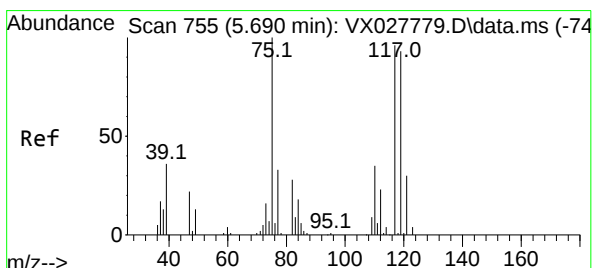
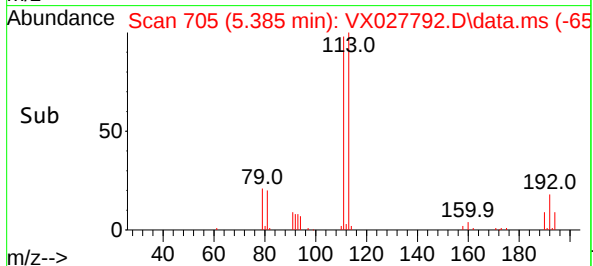
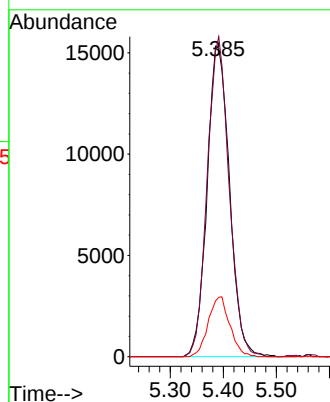
Tgt Ion:113 Resp: 45177

Ion Ratio Lower Upper

113 100

111 100.1 82.8 124.2

192 18.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.919 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

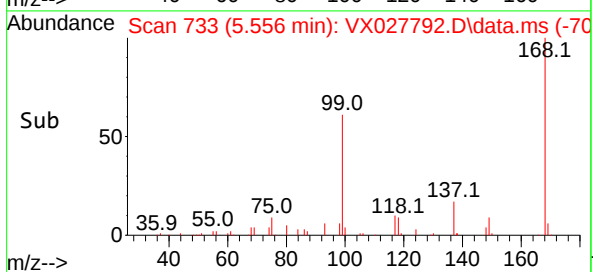
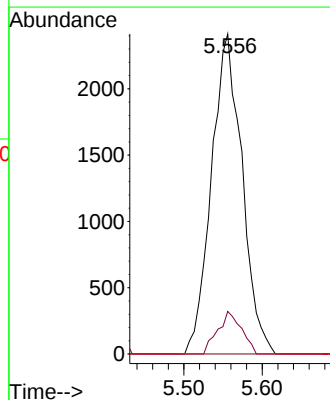
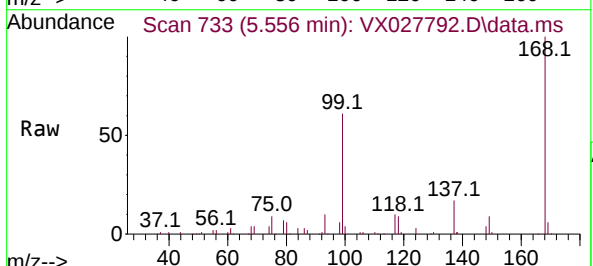
Tgt Ion: 75 Resp: 6556

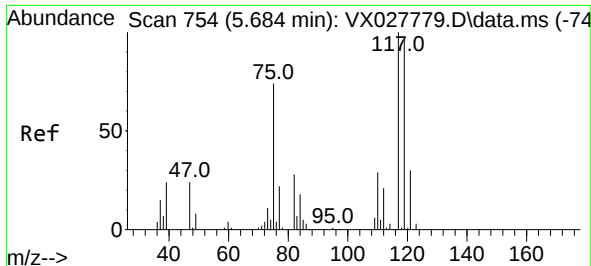
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

77 0.0 24.8 37.2#

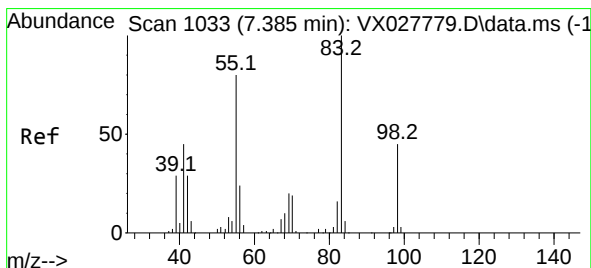
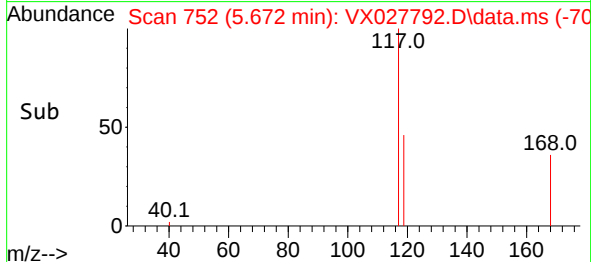
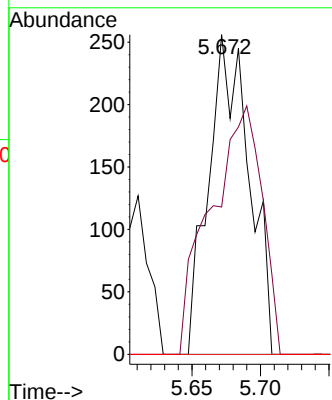
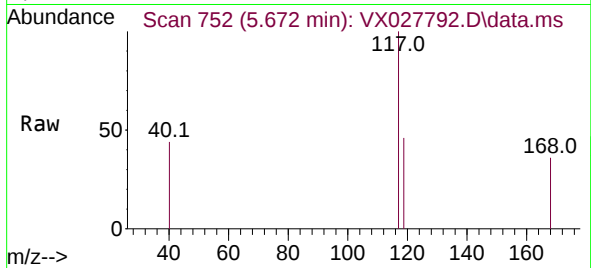




#38
Carbon Tetrachloride
Concen: 0.432 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

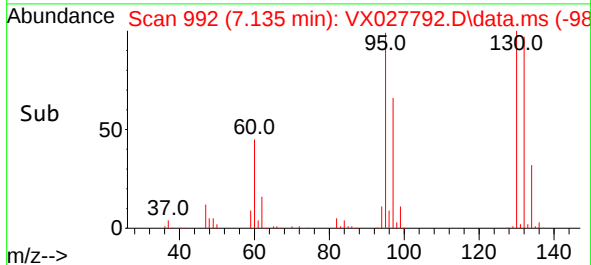
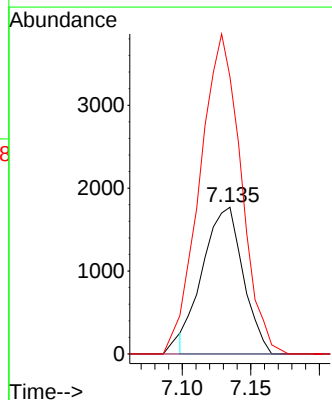
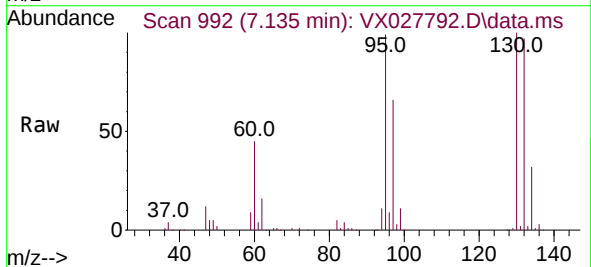
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

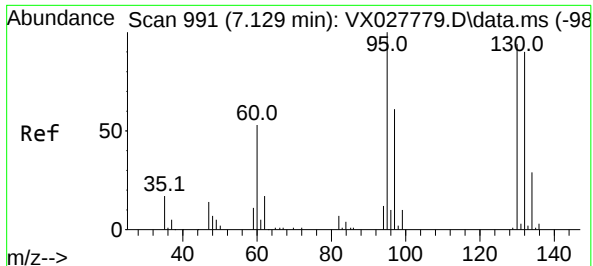
Tgt Ion:117 Resp: 528
Ion Ratio Lower Upper
117 100
119 46.1 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 2.779 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 83 Resp: 3622
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 185.8 37.4 56.2#

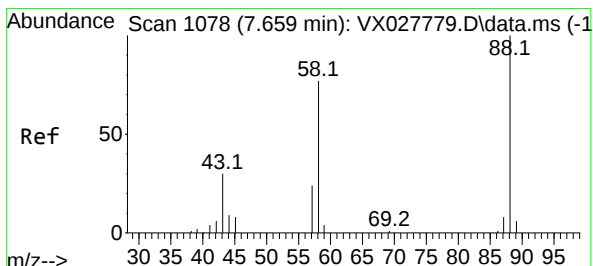
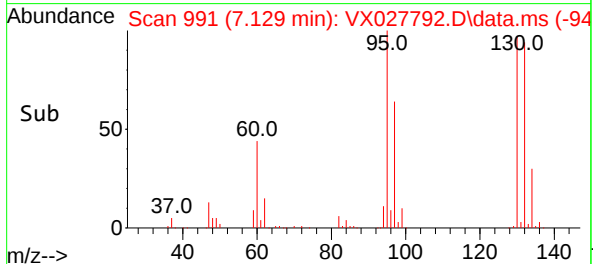
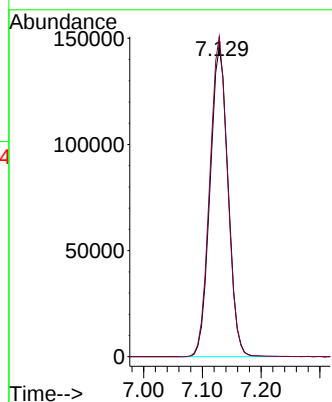
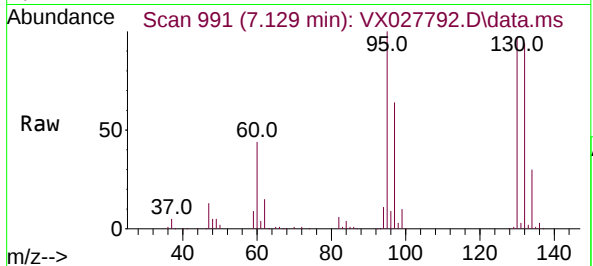




#44
Trichloroethene
Concen: 340.651 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

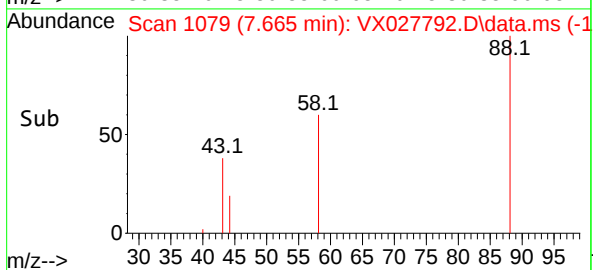
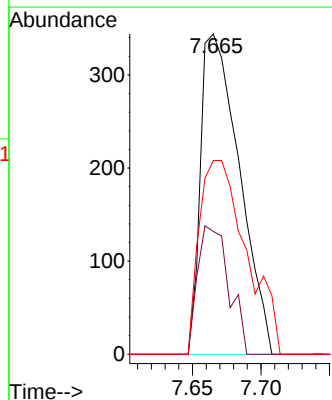
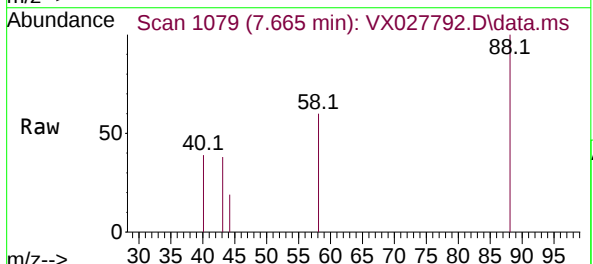
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

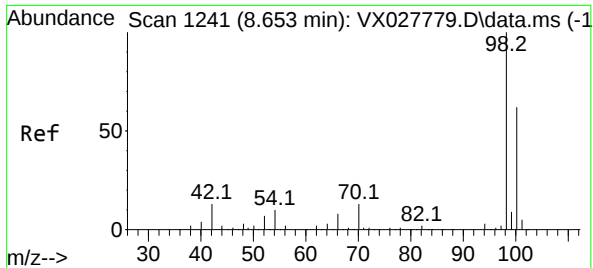
Tgt Ion:130 Resp: 310720
Ion Ratio Lower Upper
130 100
95 103.5 0.0 188.8



#49
1,4-Dioxane
Concen: 29.692 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 88 Resp: 676
Ion Ratio Lower Upper
88 100
43 32.1 21.9 32.9
58 73.4 53.7 80.5

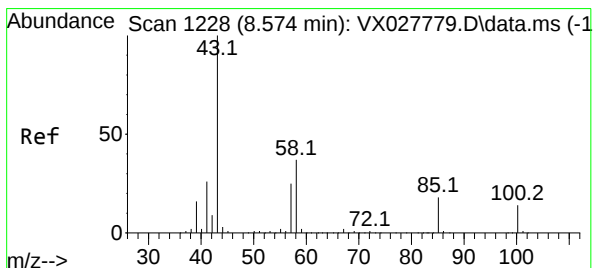
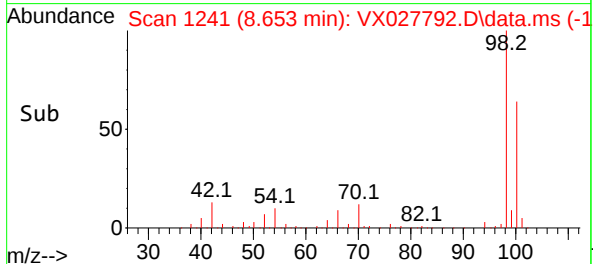
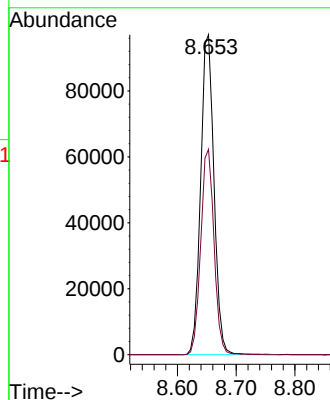
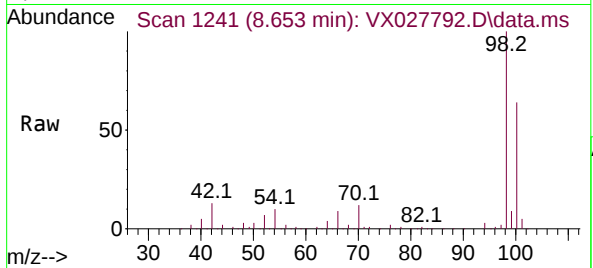




#50
Toluene-d8
Concen: 49.480 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

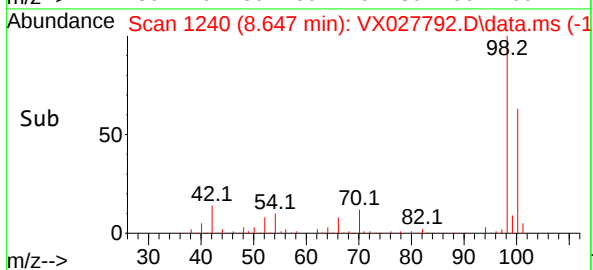
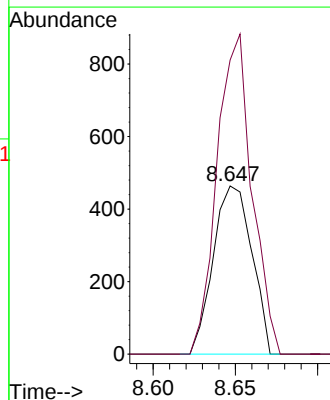
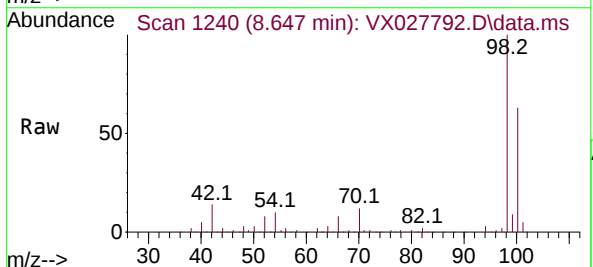
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

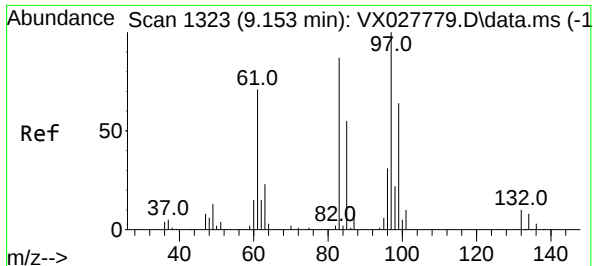
Tgt Ion: 98 Resp: 153088
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 172.7 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.367 ug/l

RT: 9.159 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20220317

Tgt Ion: 97 Resp: 344

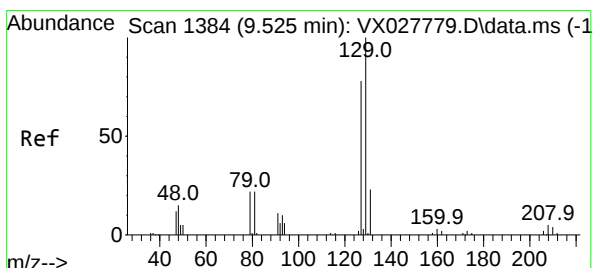
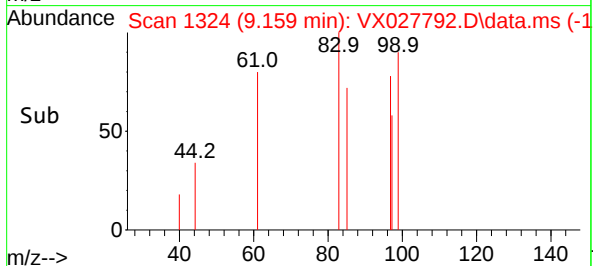
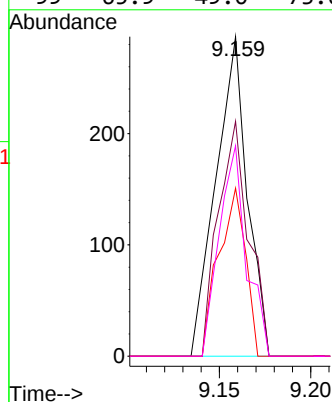
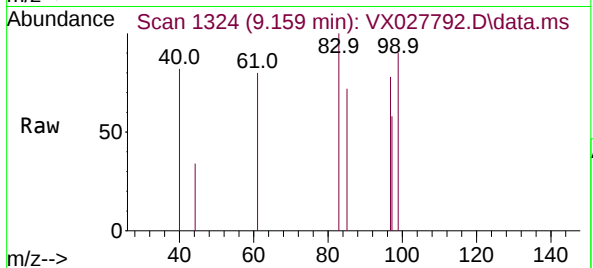
Ion Ratio Lower Upper

97 100

83 73.5 66.2 99.4

85 52.6 42.9 64.3

99 65.9 49.0 73.6



#60

Dibromochloromethane

Concen: 6.304 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX027792.D

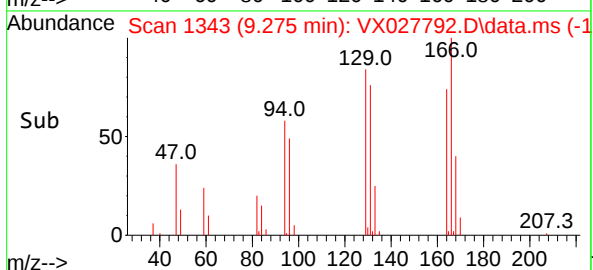
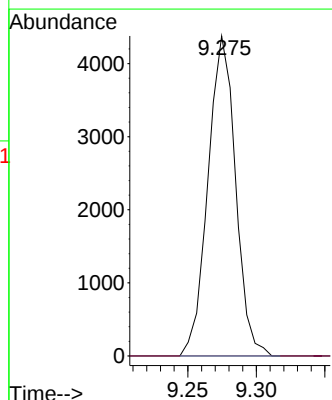
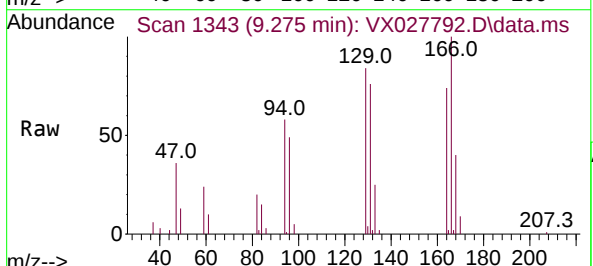
Acq: 29 Mar 2022 22:39

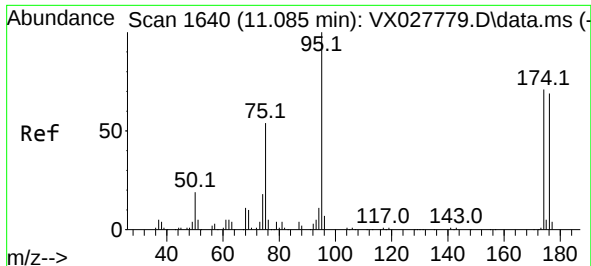
Tgt Ion:129 Resp: 6129

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#





#62

4-Bromofluorobenzene

Concen: 44.186 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20220317

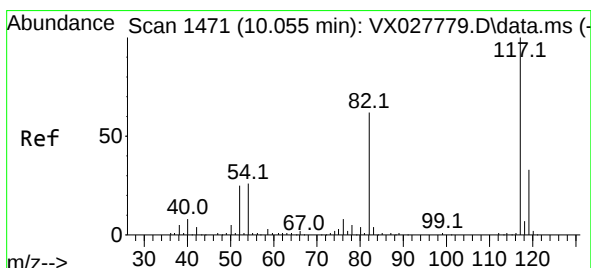
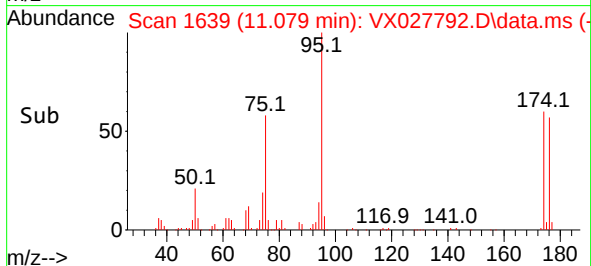
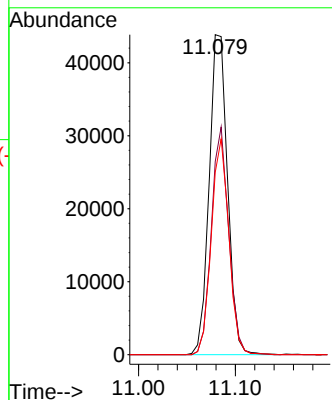
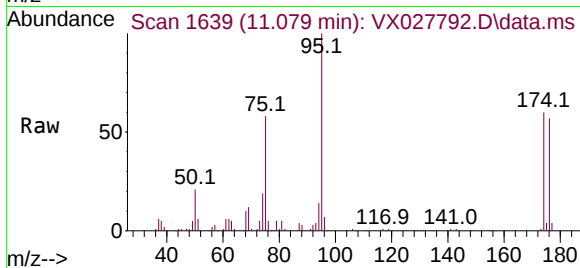
Tgt Ion: 95 Resp: 58096

Ion Ratio Lower Upper

95 100

174 67.0 0.0 163.0

176 64.2 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX027792.D

Acq: 29 Mar 2022 22:39

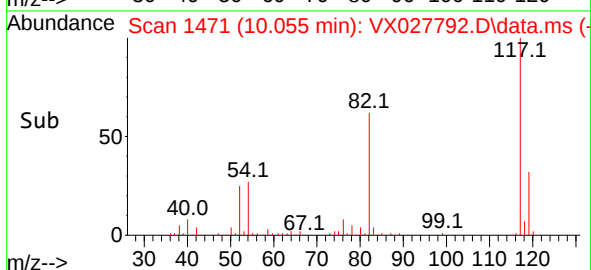
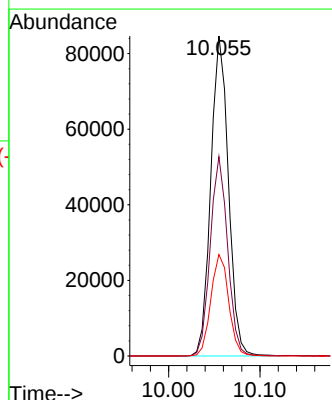
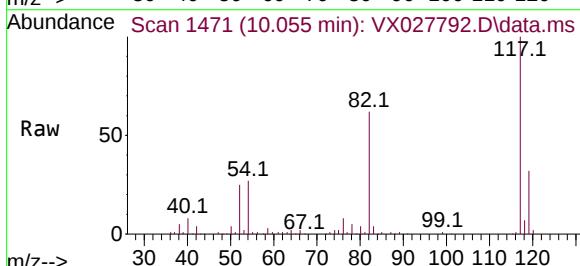
Tgt Ion: 117 Resp: 113072

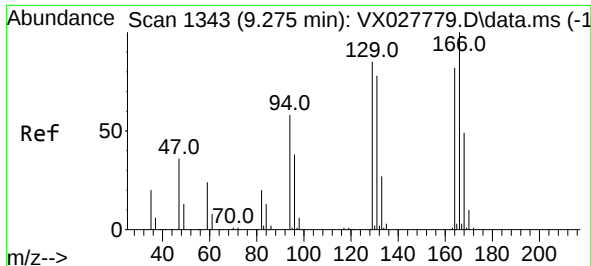
Ion Ratio Lower Upper

117 100

82 62.3 41.8 62.8

119 31.7 24.8 37.2

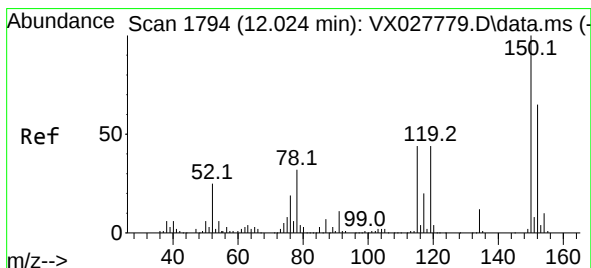
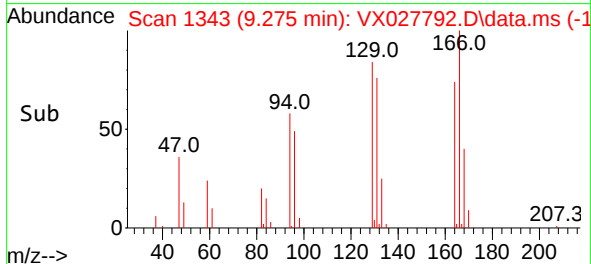
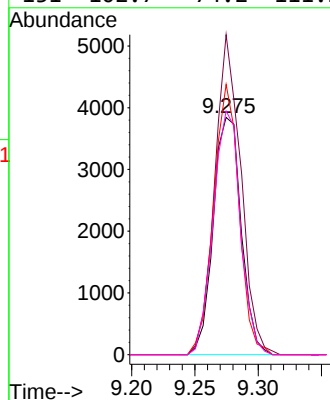
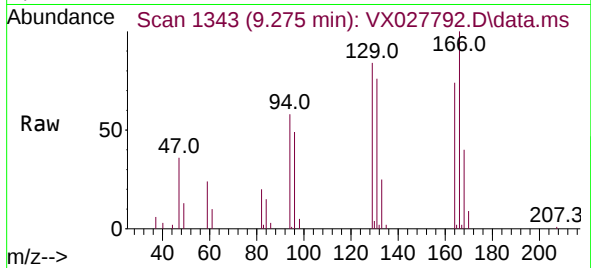




#64
Tetrachloroethene
Concen: 7.681 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

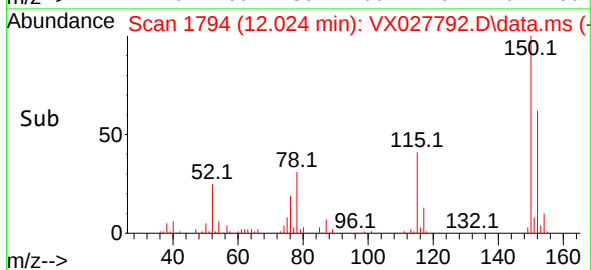
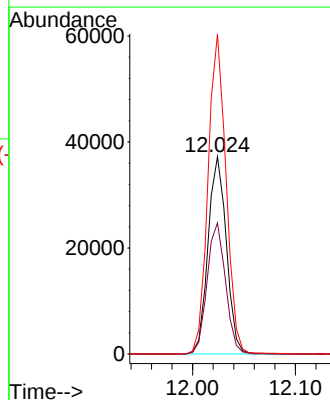
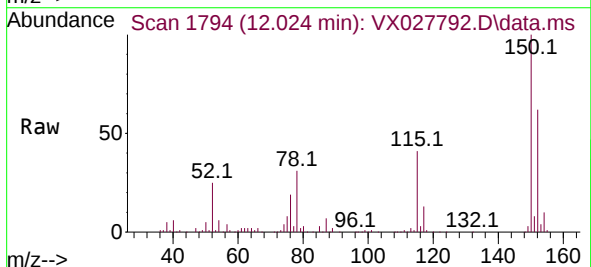
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

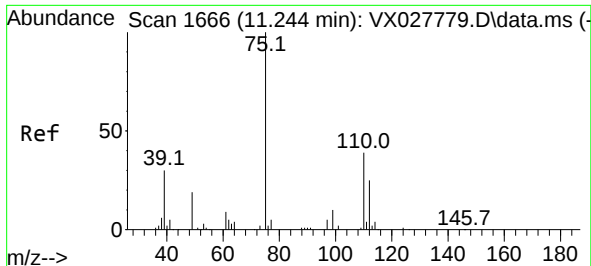
Tgt Ion:164 Resp: 5889
Ion Ratio Lower Upper
164 100
166 134.9 101.2 151.8
129 113.9 73.0 109.4#
131 102.7 74.2 111.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion:152 Resp: 46071
Ion Ratio Lower Upper
152 100
115 66.7 37.5 112.7
150 159.5 0.0 338.2

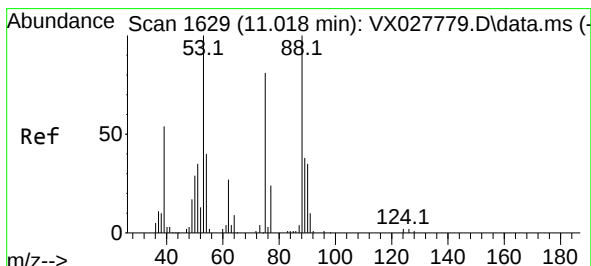
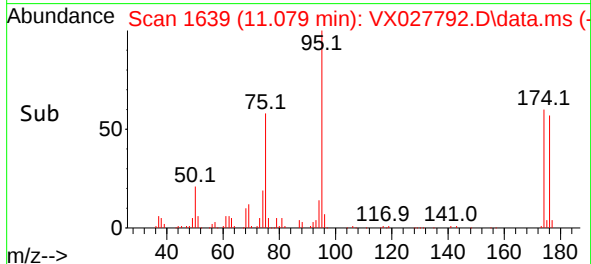
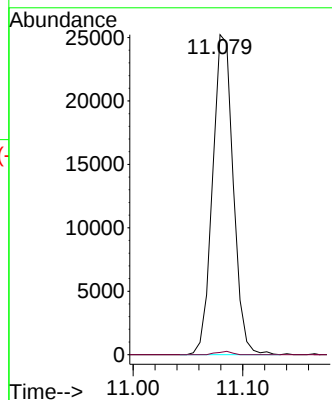
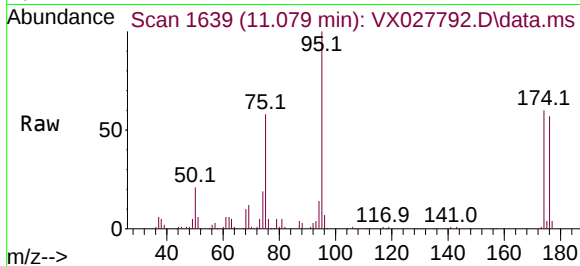




#76
1,2,3-Trichloropropane
Concen: 30.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20220317

Tgt Ion: 75 Resp: 33026
Ion Ratio Lower Upper
75 100
77 0.7 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027792.D
Acq: 29 Mar 2022 22:39

Tgt Ion: 75 Resp: 33026
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

