

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027812.D
 Acq On : 30 Mar 2022 15:51
 Operator : JC/MD
 Sample : N2041-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D1-20220318

Quant Time: Mar 31 05:49:51 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)

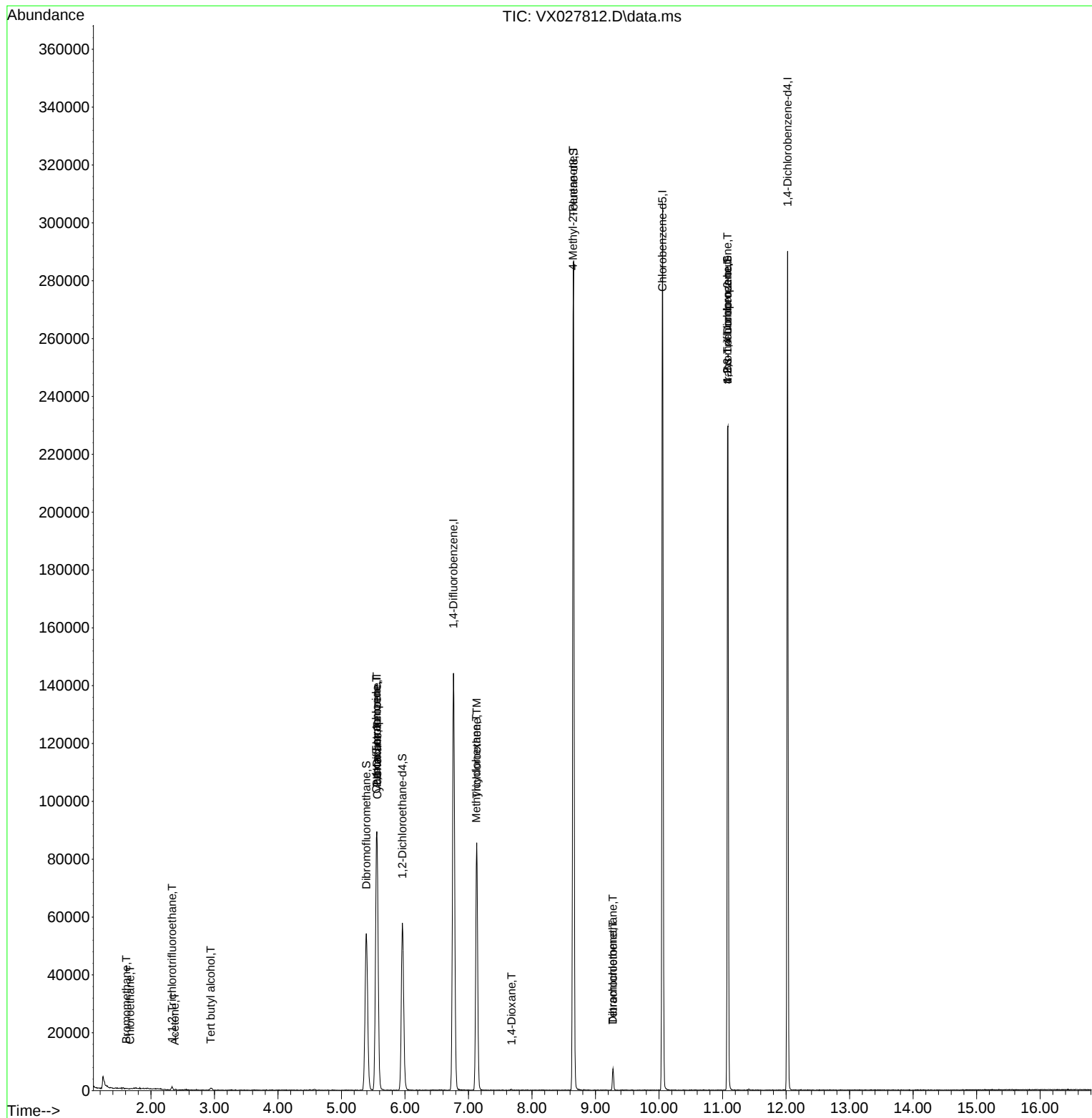
Internal Standards						
1) Pentafluorobenzene	5.556	168	85218	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	136881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57026	51.863	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.720%	
35) Dibromofluoromethane	5.391	113	47498	53.759	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.520%	
50) Toluene-d8	8.653	98	162775	52.362	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.720%	
62) 4-Bromofluorobenzene	11.079	95	64118	48.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	84	0.266	ug/l	98
6) Chloroethane	1.672	64	109	0.231	ug/l	# 43
9) 1,1,2-Trichlorotrifluo...	2.331	101	427	0.535	ug/l	96
11) Tert butyl alcohol	2.940	59	563	2.666	ug/l	# 72
16) Acetone	2.373	43	241	0.495	ug/l	# 39
31) Cyclohexane	5.562	56	1769	1.455	ug/l	# 41
36) 1,1-Dichloropropene	5.556	75	6434	5.782	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	9345	7.601	ug/l	# 15
39) Methylcyclohexane	7.123	83	361	0.276	ug/l	# 1
44) Trichloroethene	7.129	130	29572	32.267	ug/l	85
49) 1,4-Dioxane	7.677	88	167	7.300	ug/l	# 83
51) 4-Methyl-2-Pentanone	8.647	43	802	0.523	ug/l	# 1
60) Dibromochloromethane	9.275	129	1380	1.413	ug/l	# 9
64) Tetrachloroethene	9.275	164	1312	1.569	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	36294	29.034	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	36294	84.682	ug/l	# 15

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

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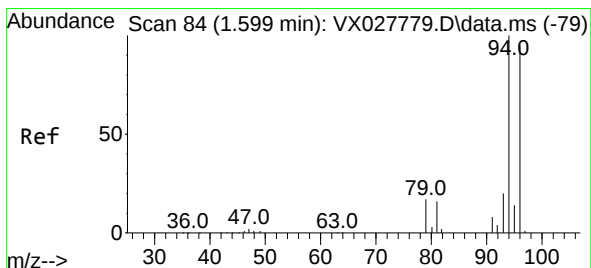
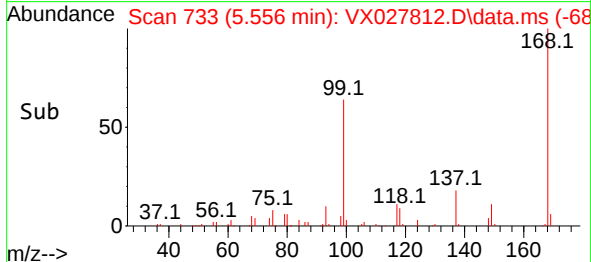
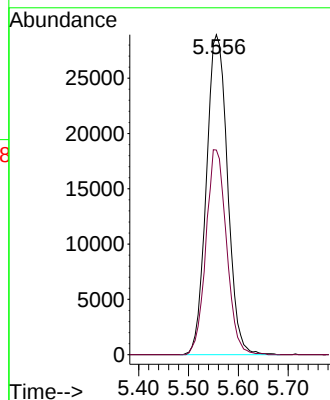
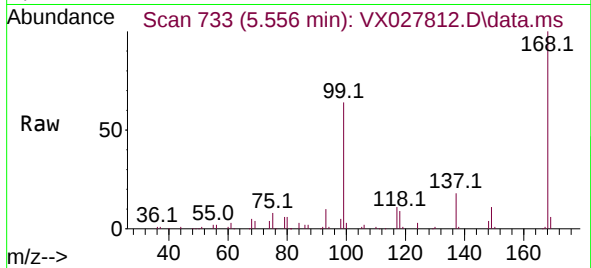




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

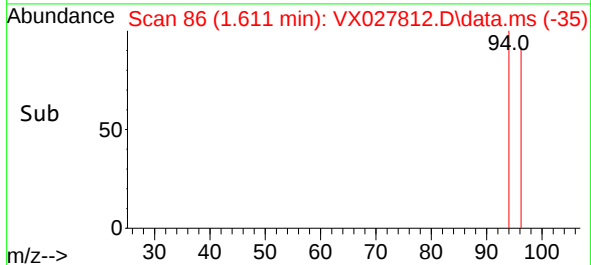
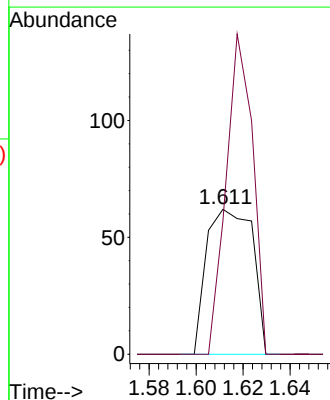
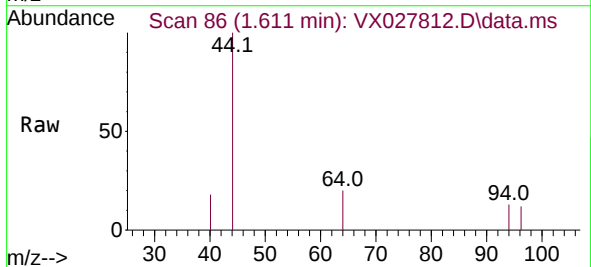
Instrument : MSVOA_X
ClientSampleId : RE108D1-20220318

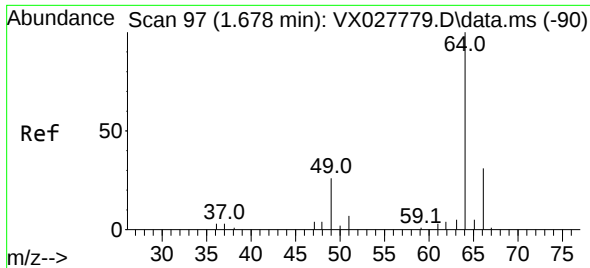
Tgt Ion:168 Resp: 85218
Ion Ratio Lower Upper
168 100
99 63.9 41.7 62.5#



#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion: 94 Resp: 84
Ion Ratio Lower Upper
94 100
96 91.9 75.3 112.9

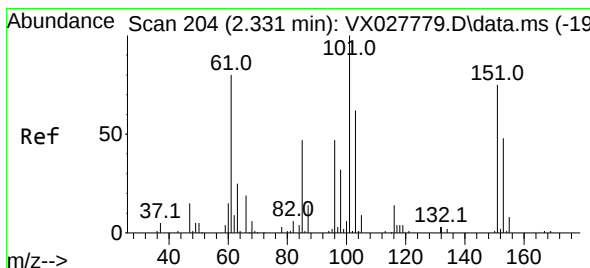
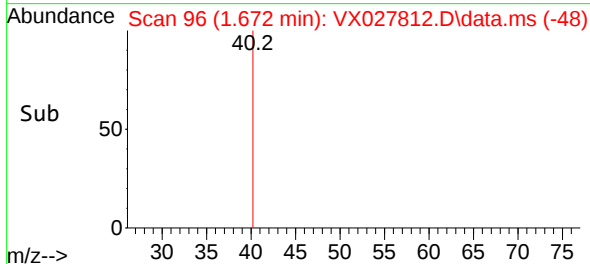
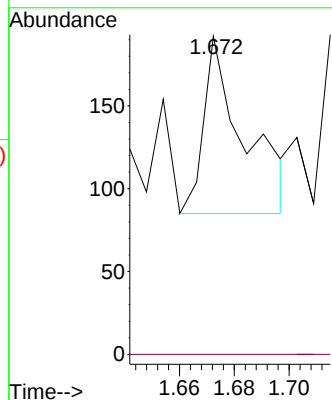
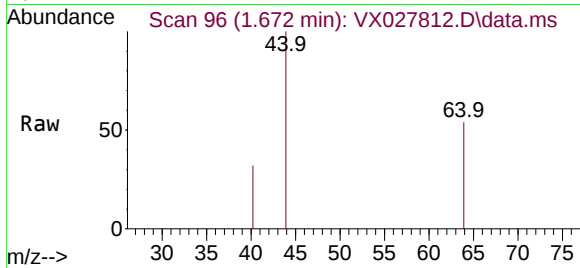




#6
Chloroethane
Concen: 0.231 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

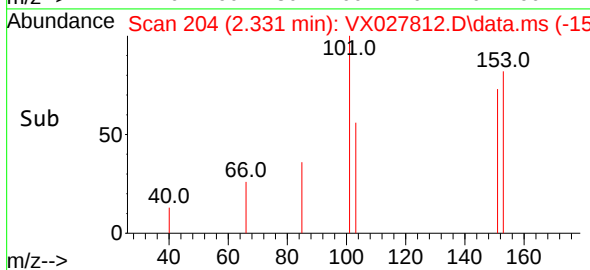
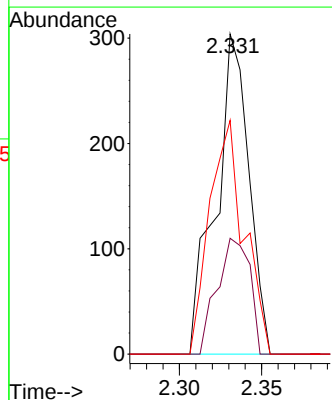
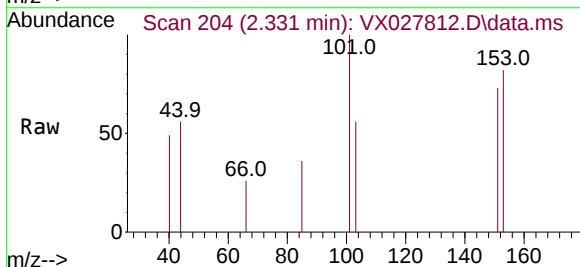
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220318

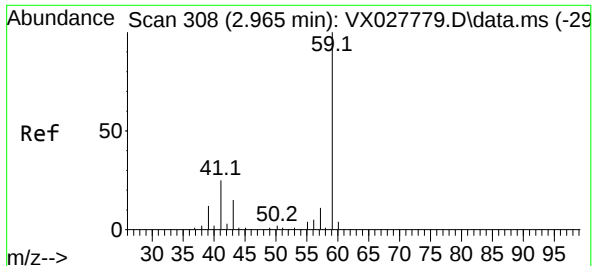
Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.535 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion: 101 Resp: 427
Ion Ratio Lower Upper
101 100
85 35.6 33.5 50.3
151 76.3 61.8 92.6





#11

Tert butyl alcohol

Concen: 2.666 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.025 min

Lab File: VX027812.D

Acq: 30 Mar 2022 15:51

Instrument :

MSVOA_X

ClientSampleId :

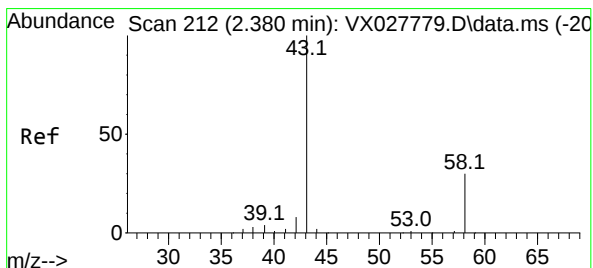
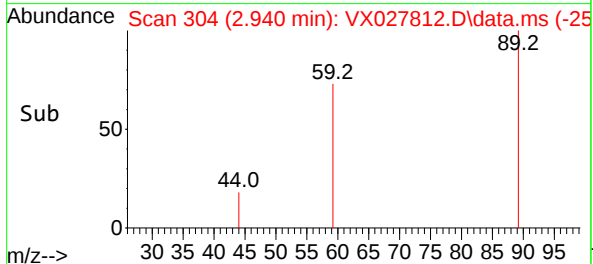
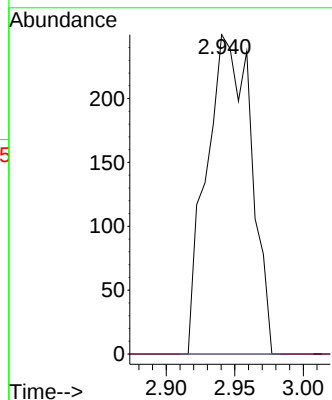
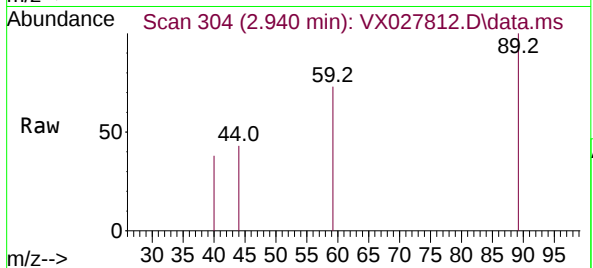
RE108D1-20220318

Tgt Ion: 59 Resp: 563

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.495 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX027812.D

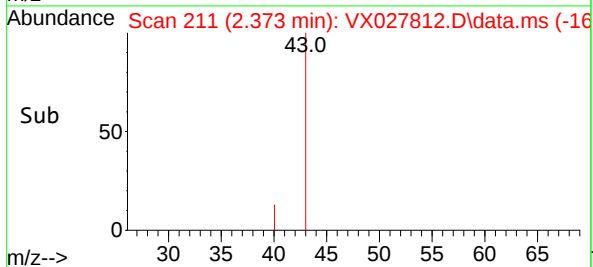
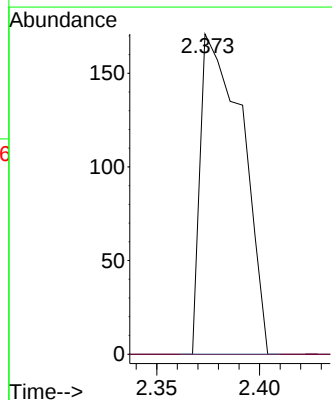
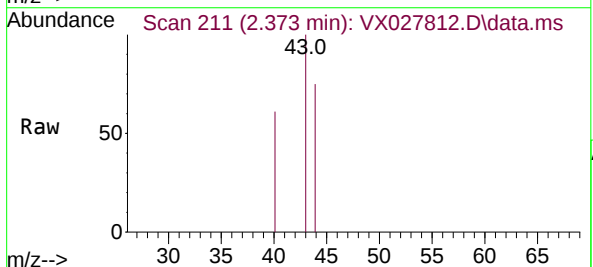
Acq: 30 Mar 2022 15:51

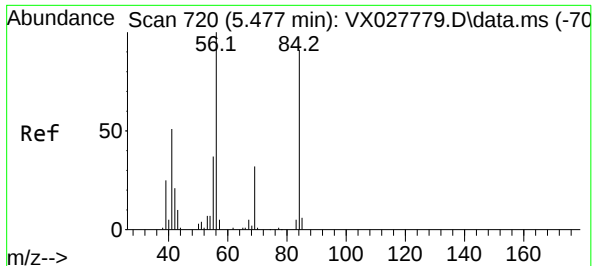
Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#

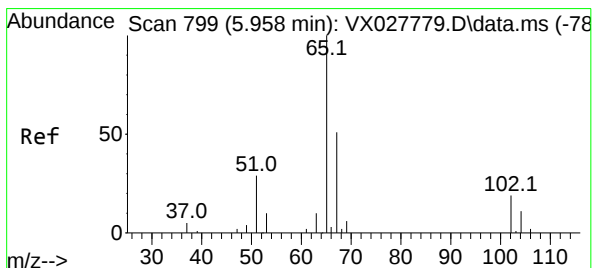
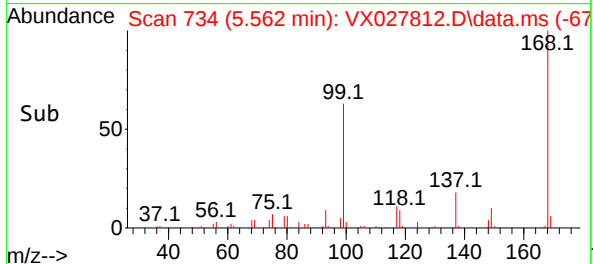
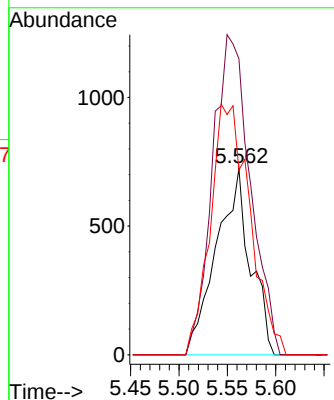
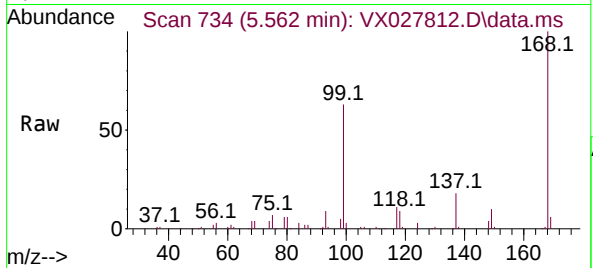




#31
Cyclohexane
Concen: 1.455 ug/l
RT: 5.562 min Scan# 712
Delta R.T. 0.085 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

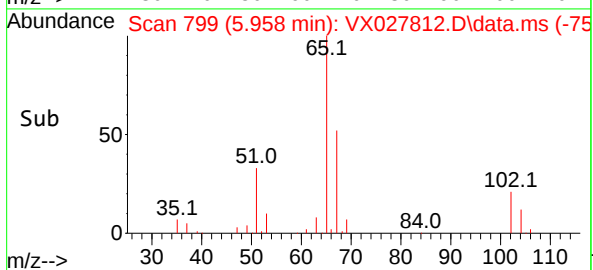
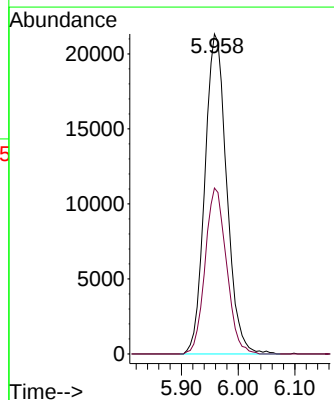
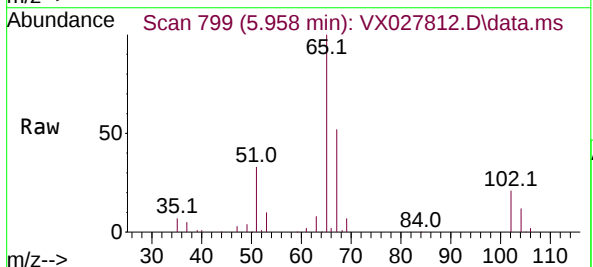
Instrument :
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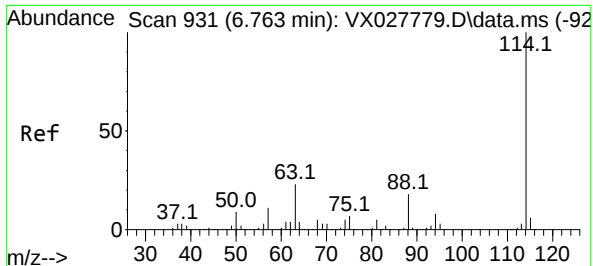
Tgt Ion: 56 Resp: 1769
Ion Ratio Lower Upper
56 100
69 158.8 26.7 40.1#
84 99.0 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 51.863 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion: 65 Resp: 57026
Ion Ratio Lower Upper
65 100
67 50.8 0.0 107.4

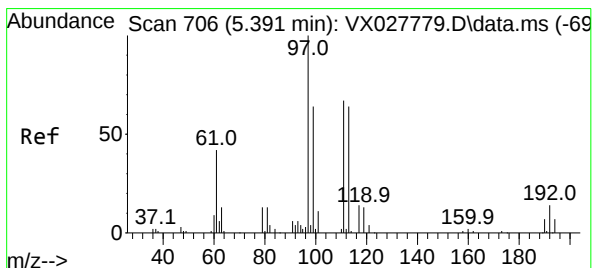
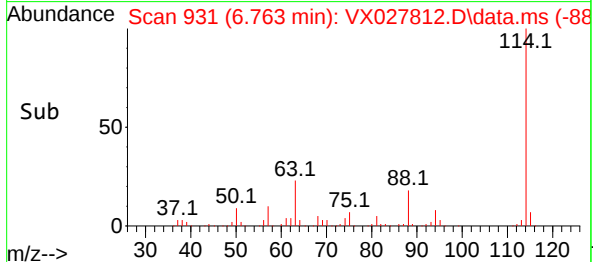
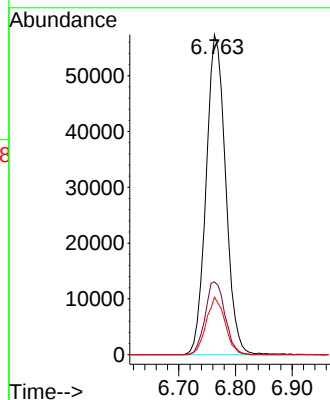
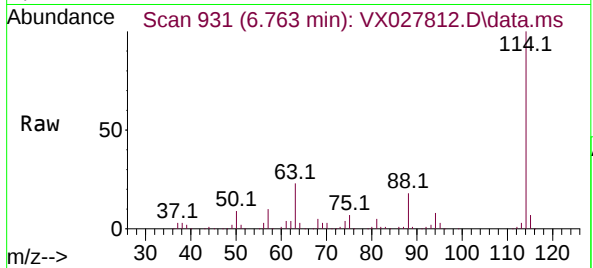




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

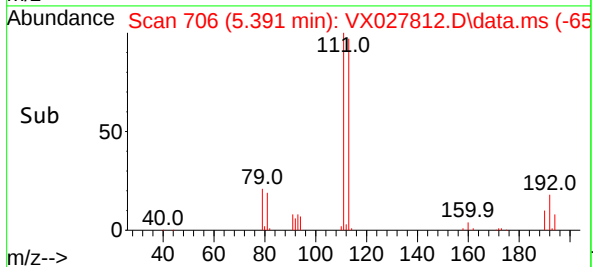
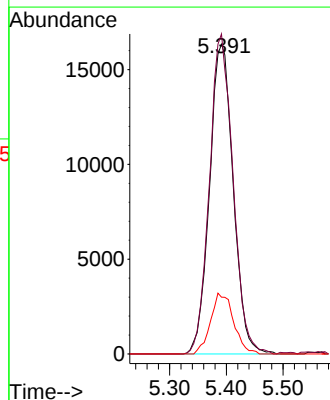
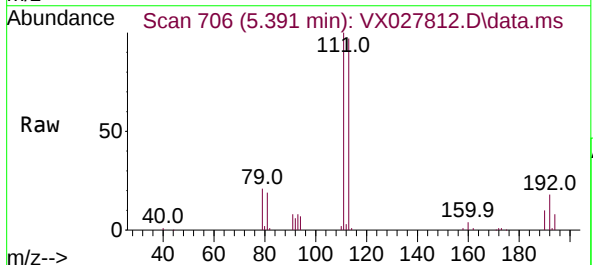
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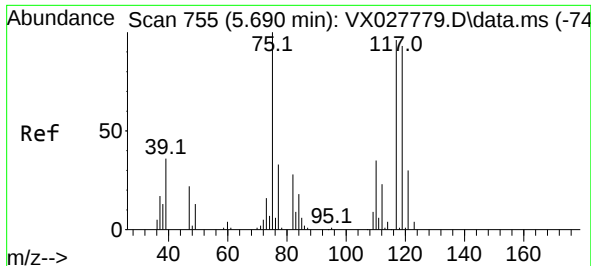
Tgt Ion:114 Resp: 136881
Ion Ratio Lower Upper
114 100
63 22.8 0.0 36.8
88 17.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.759 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion:113 Resp: 47498
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.0 16.9 25.3

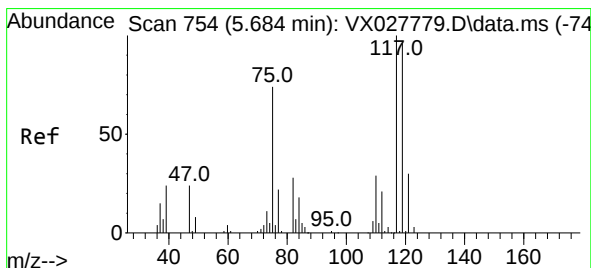
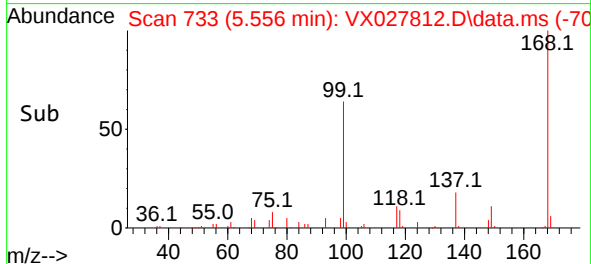
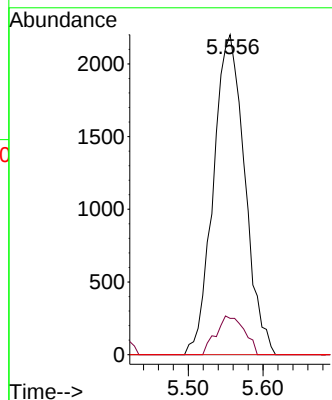
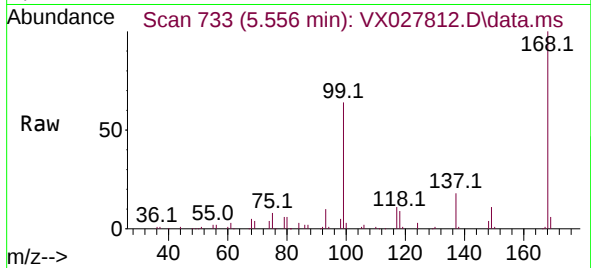




#36
1,1-Dichloropropene
Concen: 5.782 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

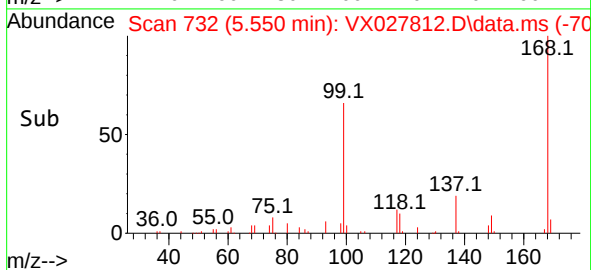
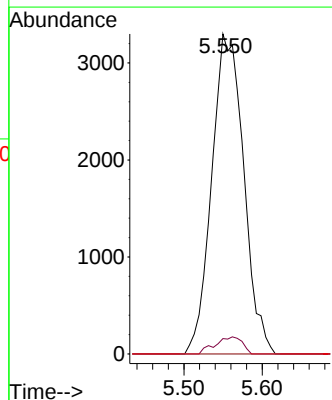
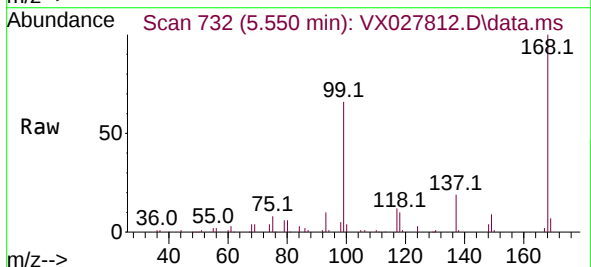
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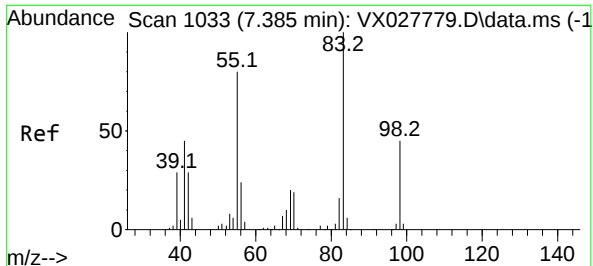
Tgt Ion: 75 Resp: 6434
Ion Ratio Lower Upper
75 100
110 10.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 7.601 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion: 117 Resp: 9345
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.276 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.262 min

Lab File: VX027812.D

Acq: 30 Mar 2022 15:51

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20220318

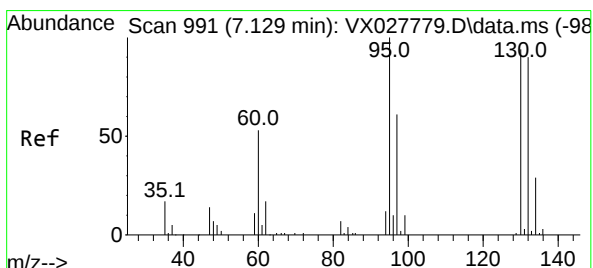
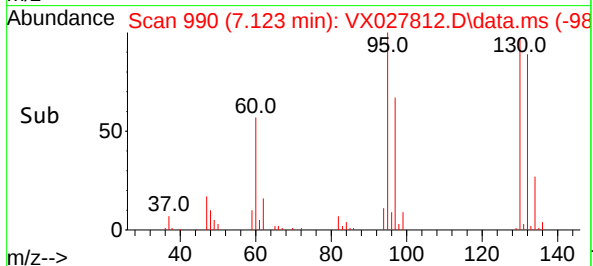
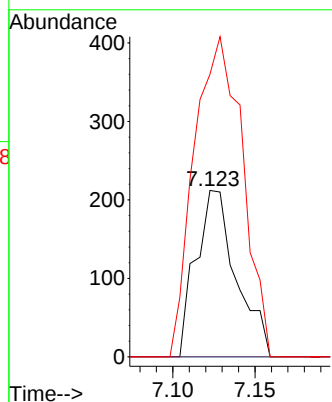
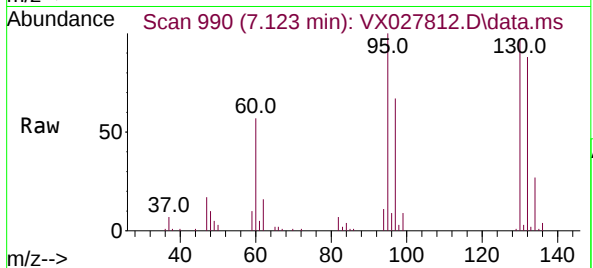
Tgt Ion: 83 Resp: 361

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 169.8 37.4 56.2#



#44

Trichloroethene

Concen: 32.267 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX027812.D

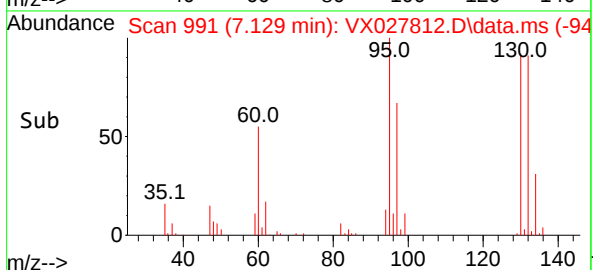
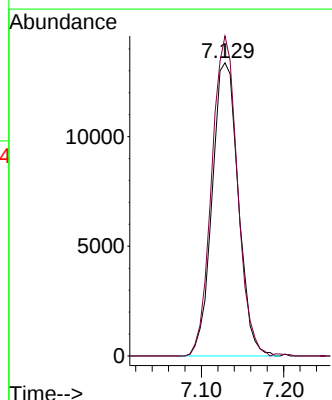
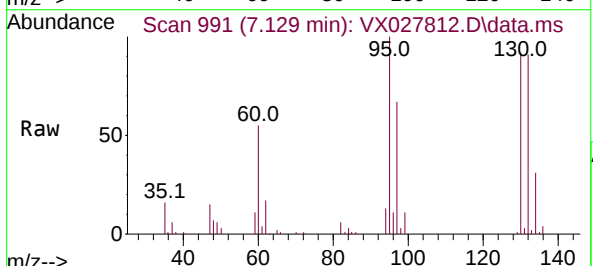
Acq: 30 Mar 2022 15:51

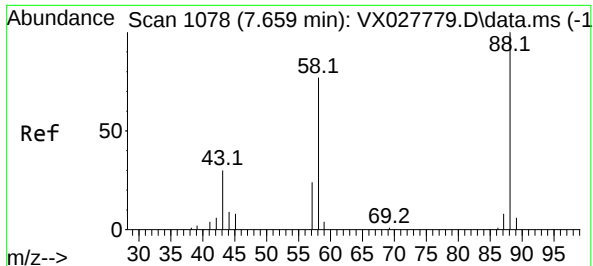
Tgt Ion:130 Resp: 29572

Ion Ratio Lower Upper

130 100

95 109.2 0.0 188.8





#49

1,4-Dioxane

Concen: 7.300 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.018 min

Lab File: VX027812.D

Acq: 30 Mar 2022 15:51

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20220318

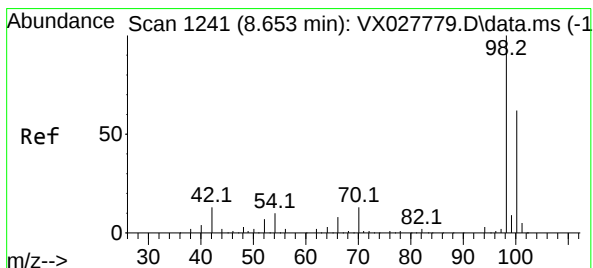
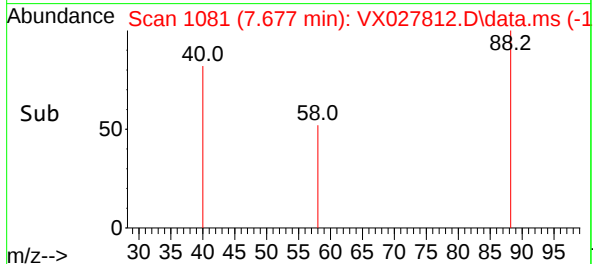
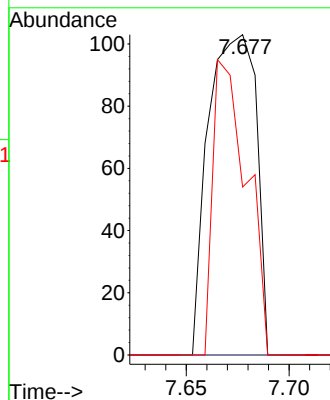
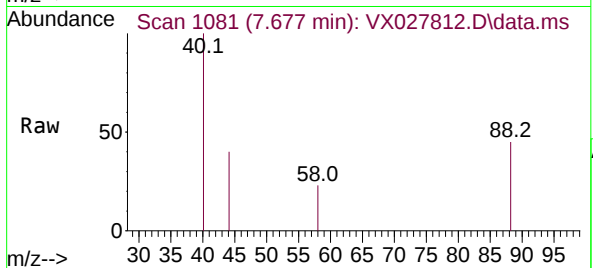
Tgt Ion: 88 Resp: 167

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 65.3 53.7 80.5



#50

Toluene-d8

Concen: 52.362 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027812.D

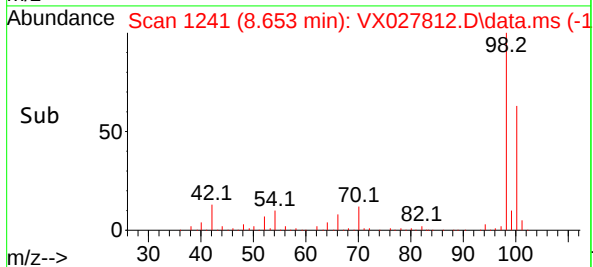
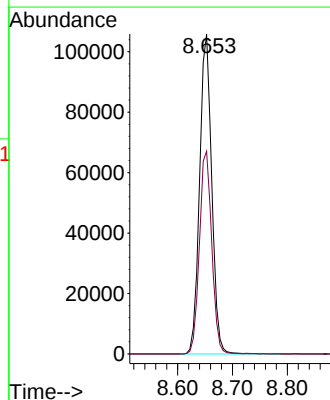
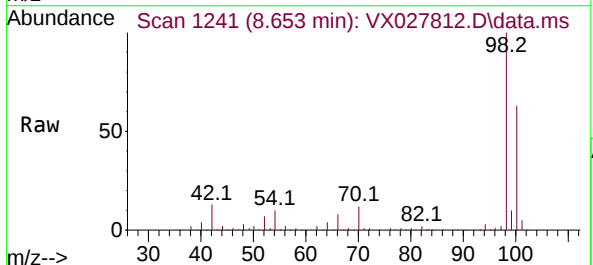
Acq: 30 Mar 2022 15:51

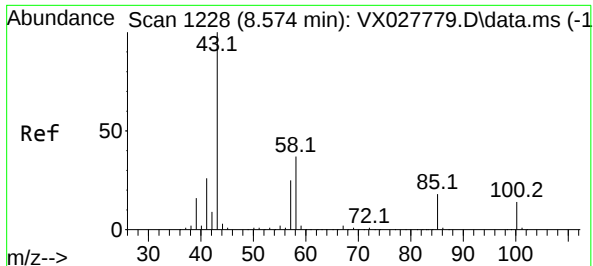
Tgt Ion: 98 Resp: 162775

Ion Ratio Lower Upper

98 100

100 64.5 52.6 78.8

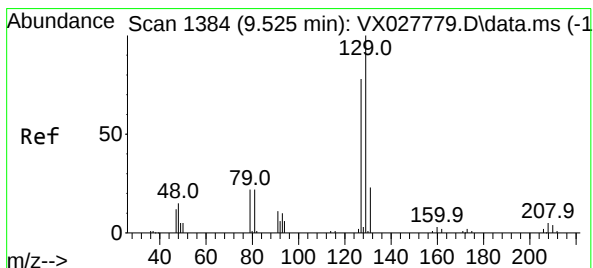
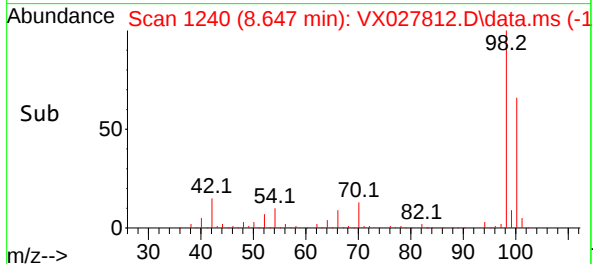
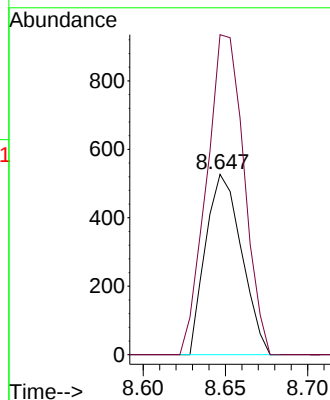
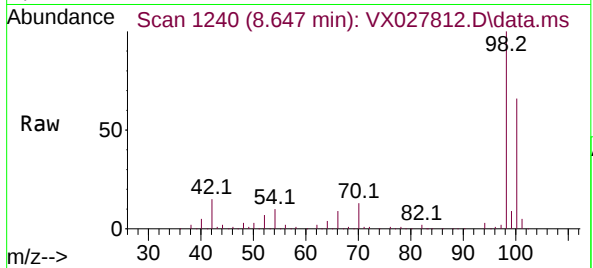




#51
4-Methyl-2-Pentanone
Concen: 0.523 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

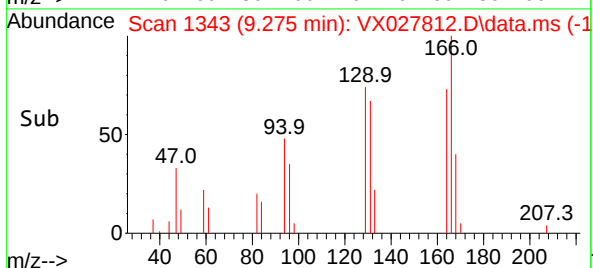
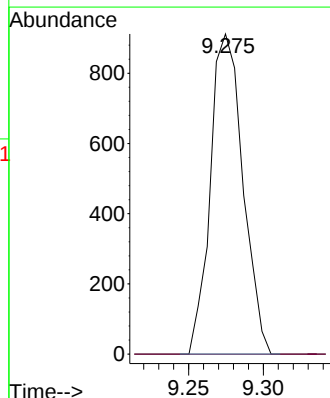
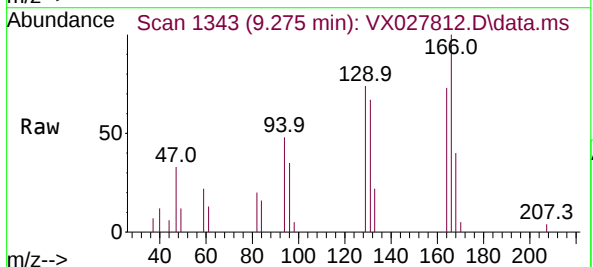
Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220318

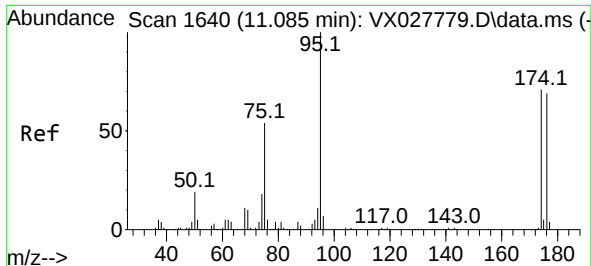
Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
58 184.4 36.1 54.1#



#60
Dibromochloromethane
Concen: 1.413 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion: 129 Resp: 1380
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#





#62

4-Bromofluorobenzene

Concen: 48.535 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX027812.D

Acq: 30 Mar 2022 15:51

Instrument :

MSVOA_X

ClientSampleId :

RE108D1-20220318

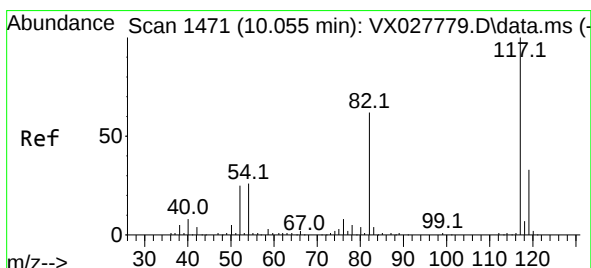
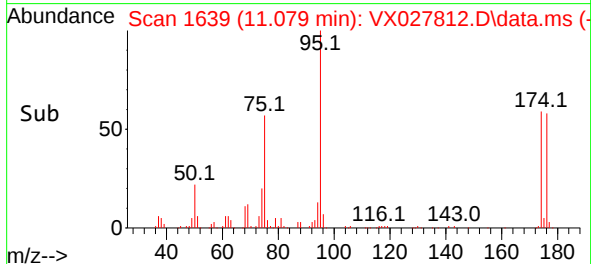
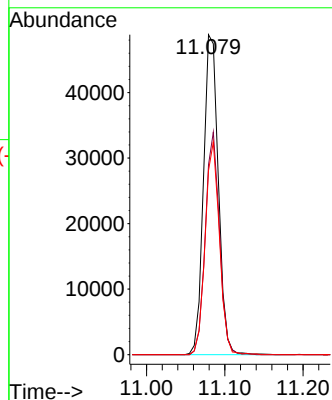
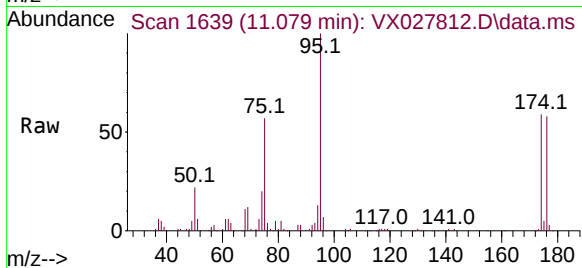
Tgt Ion: 95 Resp: 64118

Ion Ratio Lower Upper

95 100

174 66.3 0.0 163.0

176 63.9 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: VX027812.D

Acq: 30 Mar 2022 15:51

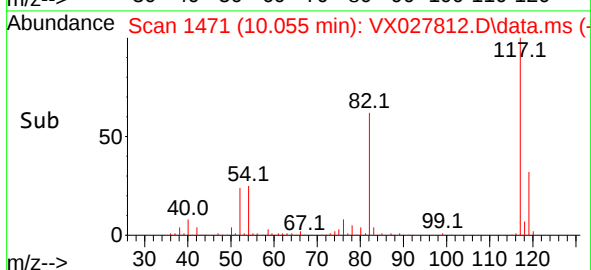
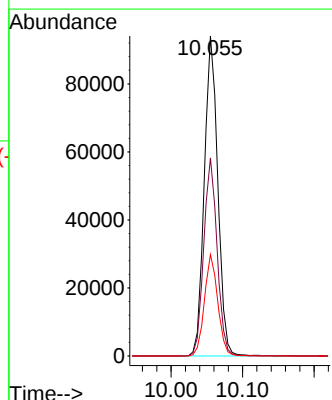
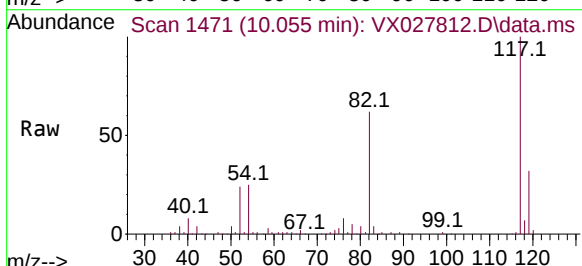
Tgt Ion: 117 Resp: 123353

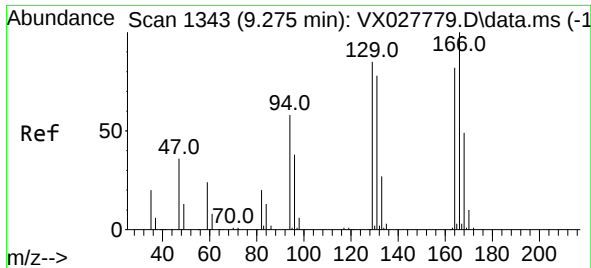
Ion Ratio Lower Upper

117 100

82 61.9 41.8 62.8

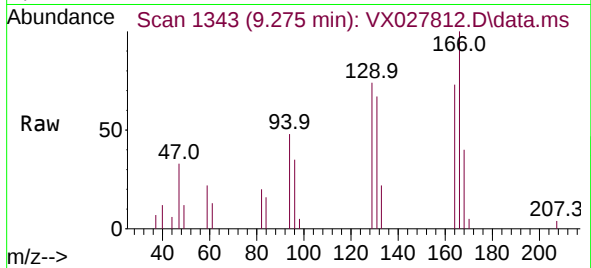
119 31.7 24.8 37.2



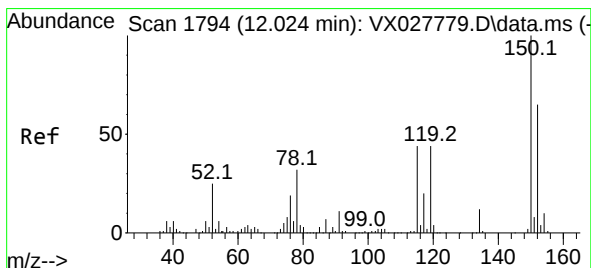
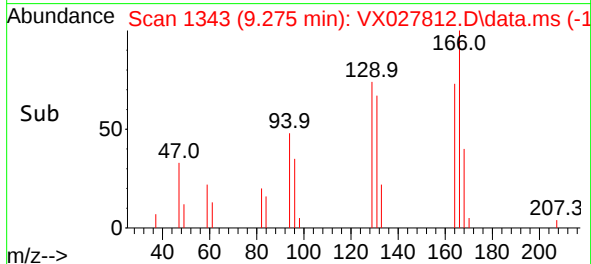
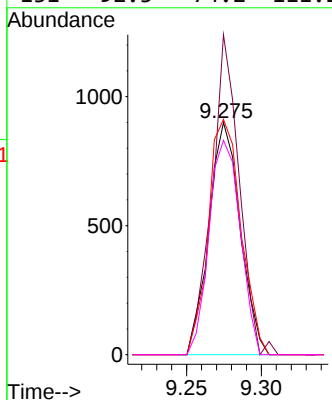


#64
Tetrachloroethene
Concen: 1.569 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220318

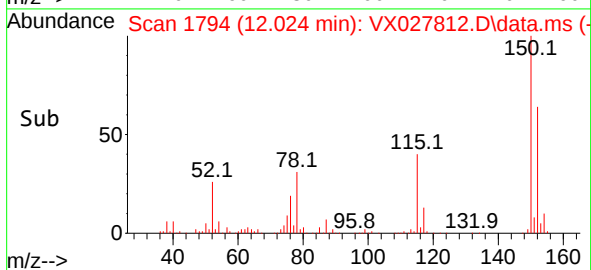
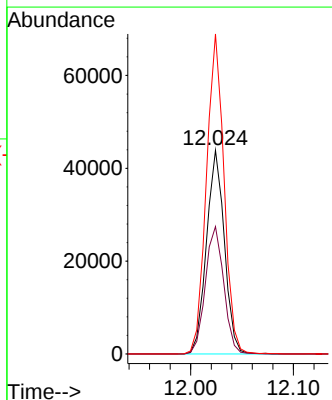
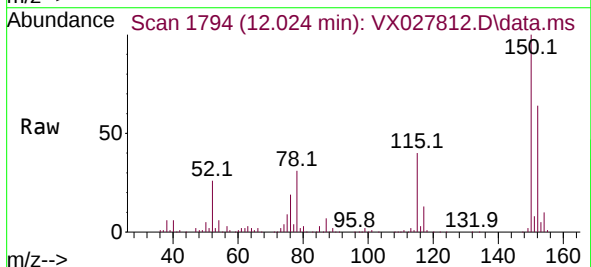


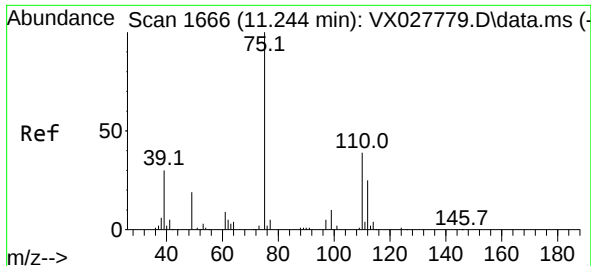
Tgt Ion:	164	Resp:	1312
Ion	Ratio	Lower	Upper
164	100		
166	137.8	101.2	151.8
129	101.3	73.0	109.4
131	92.3	74.2	111.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion:	152	Resp:	53288
Ion	Ratio	Lower	Upper
152	100		
115	64.1	37.5	112.7
150	154.3	0.0	338.2

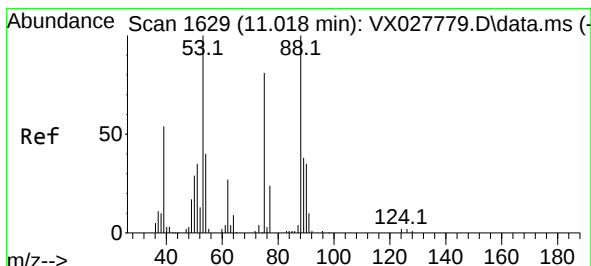
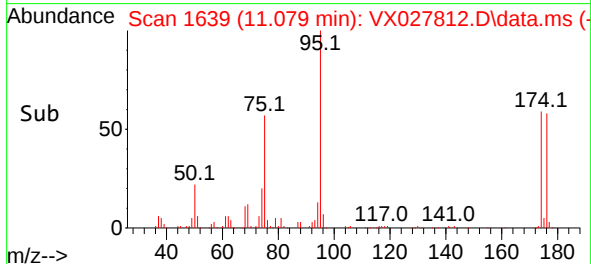
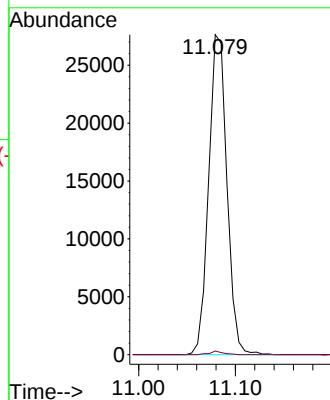
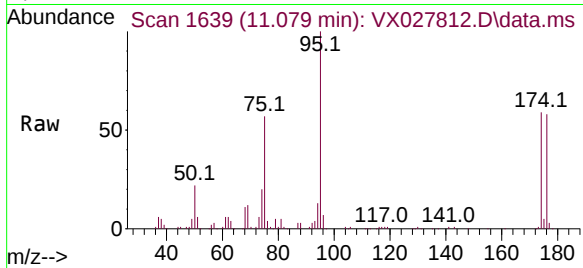




#76
1,2,3-Trichloropropane
Concen: 29.034 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Instrument :
MSVOA_X
ClientSampleId :
RE108D1-20220318

Tgt Ion: 75 Resp: 36294
Ion Ratio Lower Upper
75 100
77 0.8 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.682 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027812.D
Acq: 30 Mar 2022 15:51

Tgt Ion: 75 Resp: 36294
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

