

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027802.D
 Acq On : 30 Mar 2022 11:56
 Operator : JC/MD
 Sample : N2041-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20220317

Quant Time: Mar 31 05:46:57 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)

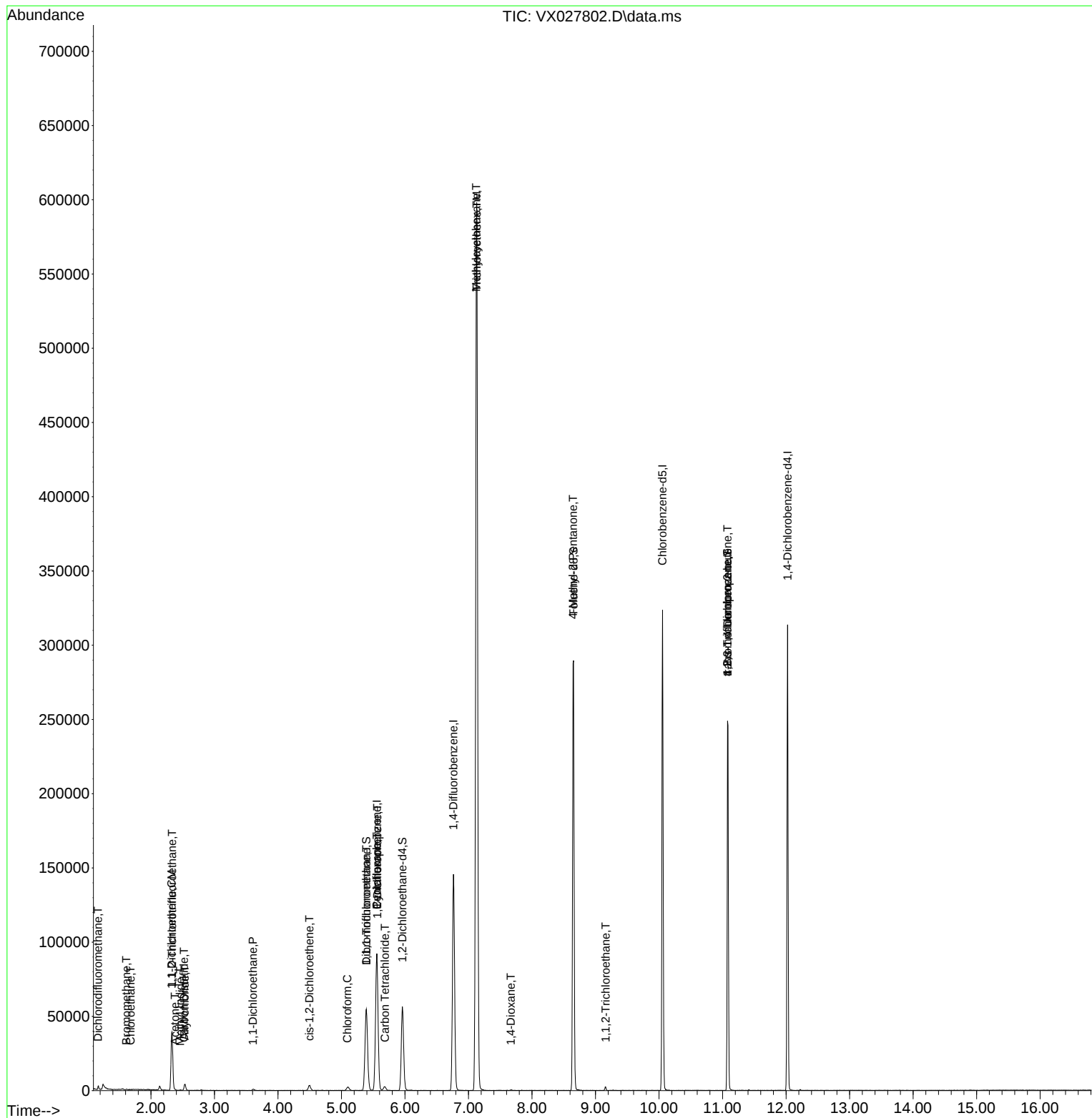
Internal Standards						
1) Pentafluorobenzene	5.556	168	86136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	53650	48.273	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.540%		
35) Dibromofluoromethane	5.391	113	47767	49.801	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.600%		
50) Toluene-d8	8.653	98	170018	50.379	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.760%		
62) 4-Bromofluorobenzene	11.079	95	69160	48.224	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1072	1.373	ug/l	98
5) Bromomethane	1.611	94	232	0.727	ug/l #	66
6) Chloroethane	1.678	64	162	0.340	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	14.542	ug/l	96
10) Methyl Iodide	2.459	142	264	0.282	ug/l #	63
12) 1,1-Dichloroethene	2.325	96	4214	5.694	ug/l	96
14) Allyl chloride	2.532	41	464	0.342	ug/l #	63
16) Acetone	2.379	43	767	1.559	ug/l	90
17) Carbon Disulfide	2.520	76	324	0.214	ug/l #	75
24) 1,1-Dichloroethane	3.605	63	1303	0.851	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	2173	2.244	ug/l	97
30) Chloroform	5.092	83	2955	1.735	ug/l	90
31) Cyclohexane	5.556	56	1673	1.362	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	722	0.490	ug/l #	33
36) 1,1-Dichloropropene	5.562	75	6585	5.451	ug/l #	48
38) Carbon Tetrachloride	5.684	117	2363	1.770	ug/l	93
39) Methylcyclohexane	7.123	83	2775	1.952	ug/l #	1
44) Trichloroethene	7.129	130	230653	231.831	ug/l	92
49) 1,4-Dioxane	7.665	88	281	11.315	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	897	0.539	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	737	0.721	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	38097	28.833	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	38097	84.119	ug/l #	15

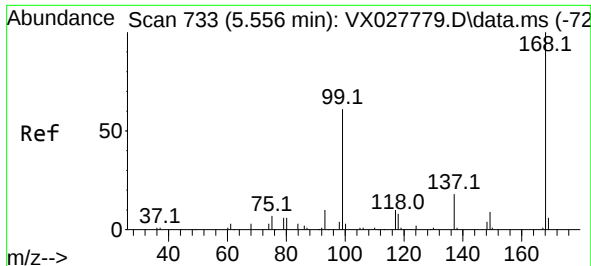
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 04:39:27 2022
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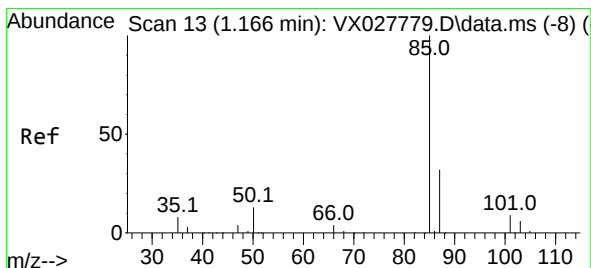
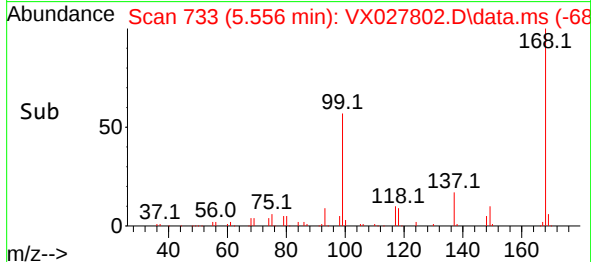
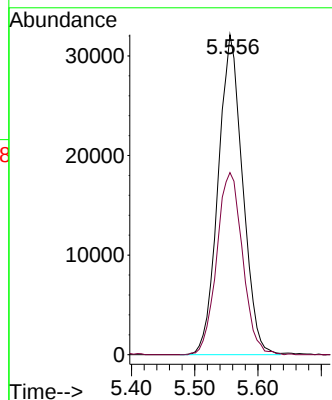
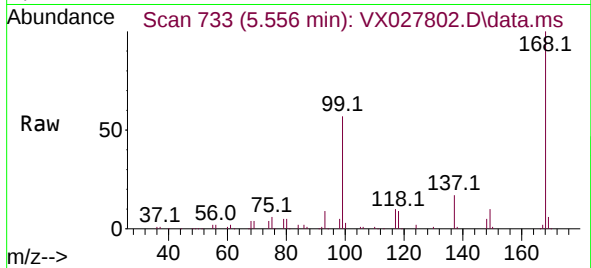




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

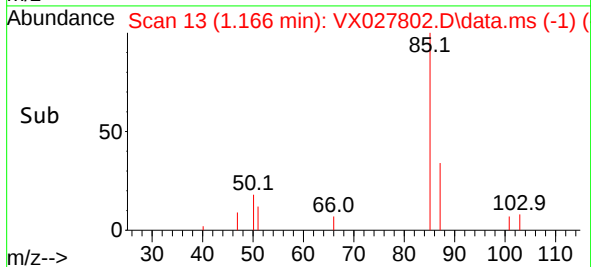
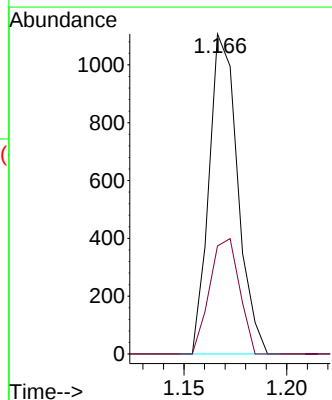
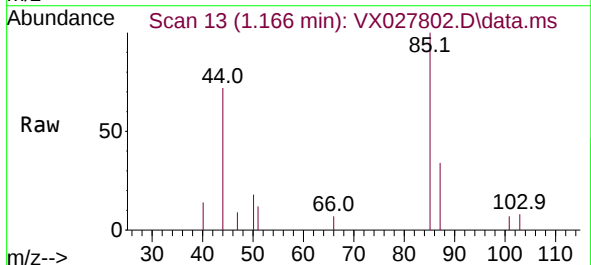
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220317

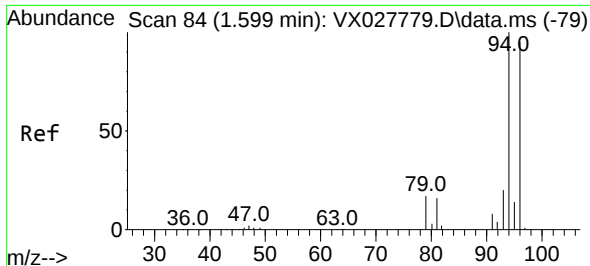
Tgt Ion:168 Resp: 86136
Ion Ratio Lower Upper
168 100
99 56.9 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 1.373 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

Tgt Ion: 85 Resp: 1072
Ion Ratio Lower Upper
85 100
87 33.8 16.2 48.6

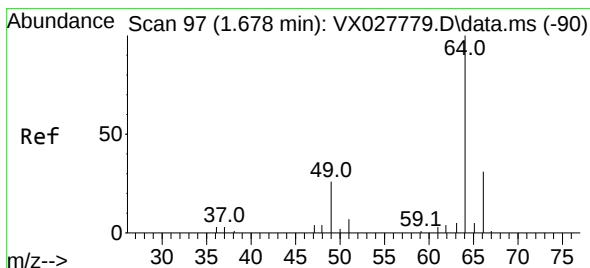
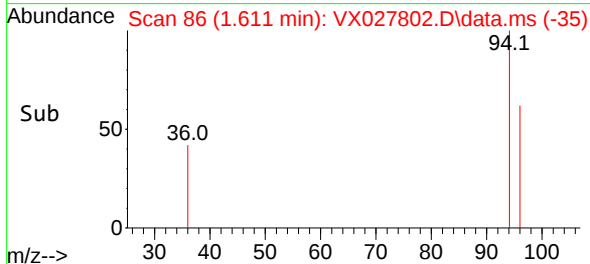
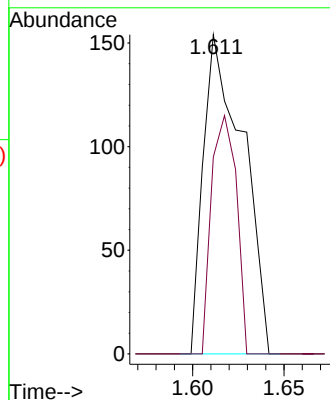
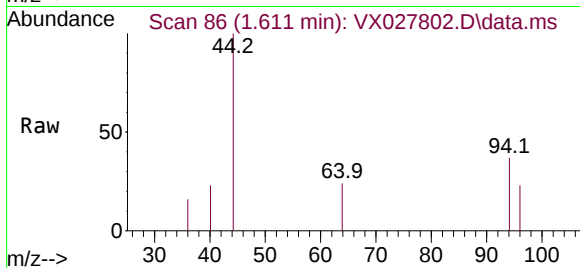




#5
Bromomethane
Concen: 0.727 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

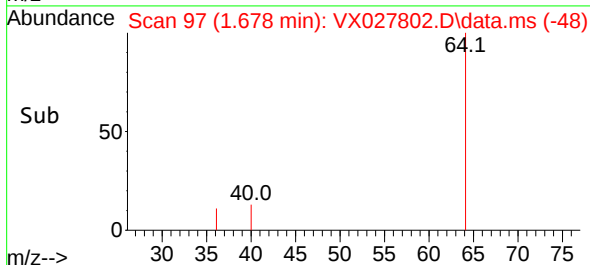
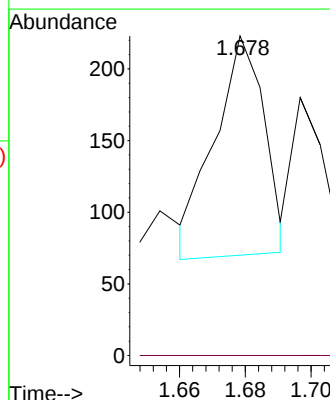
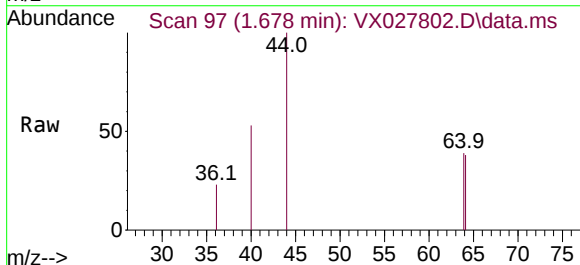
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220317

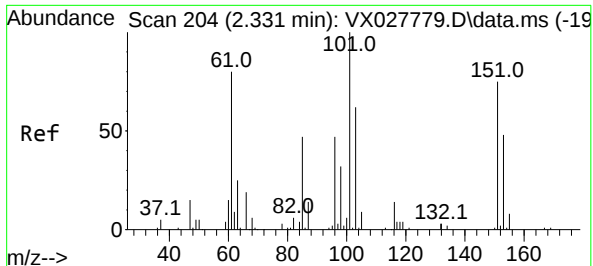
Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 61.7 75.3 112.9#



#6
Chloroethane
Concen: 0.340 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

Tgt Ion: 64 Resp: 162
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

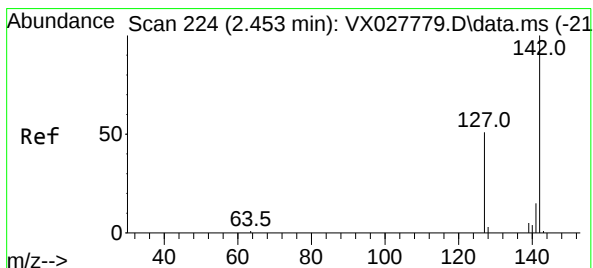
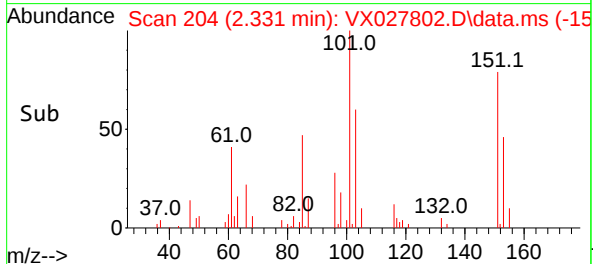
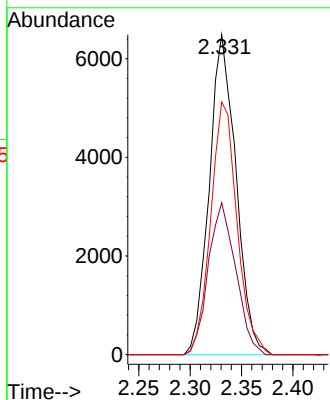
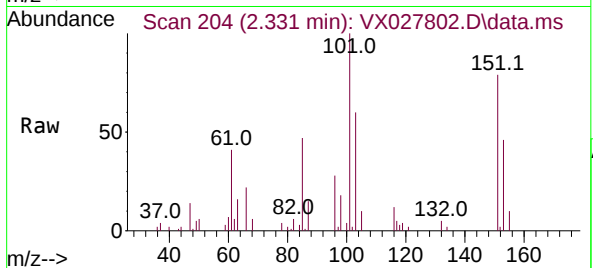




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.542 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX027802.D
 Acq: 30 Mar 2022 11:56

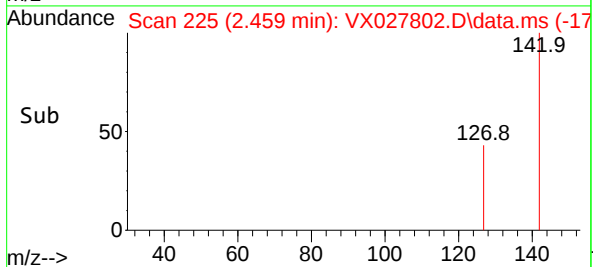
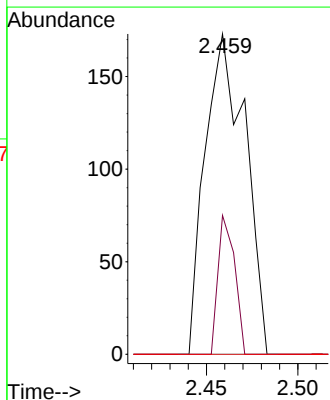
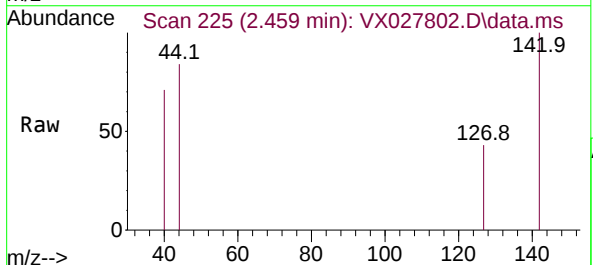
Instrument :
 MSVOA_X
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 RE115D1-20220317

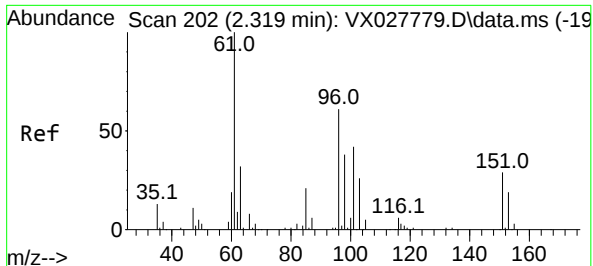
Tgt Ion:	101	Resp:	11729
Ion	Ratio	Lower	Upper
101	100		
85	48.8	33.5	50.3
151	77.9	61.8	92.6



#10
 Methyl Iodide
 Concen: 0.282 ug/l
 RT: 2.459 min Scan# 225
 Delta R.T. 0.006 min
 Lab File: VX027802.D
 Acq: 30 Mar 2022 11:56

Tgt Ion:	142	Resp:	264
Ion	Ratio	Lower	Upper
142	100		
127	18.2	33.9	50.9#
141	0.0	11.4	17.2#





#12

1,1-Dichloroethene

Concen: 5.694 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX027802.D

Acq: 30 Mar 2022 11:56

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220317

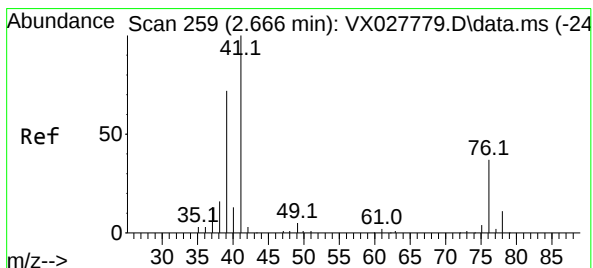
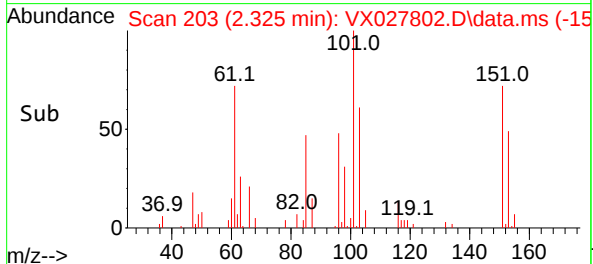
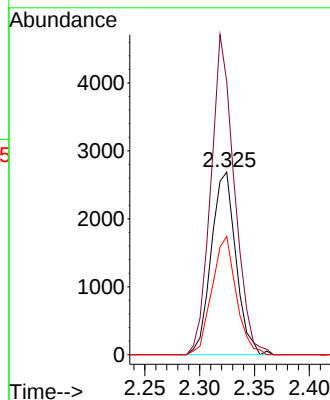
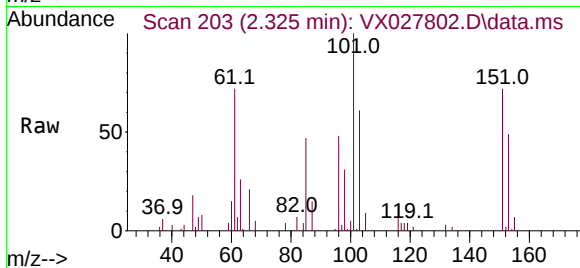
Tgt Ion: 96 Resp: 4214

Ion Ratio Lower Upper

96 100

61 149.5 124.6 187.0

98 64.9 51.0 76.4



#14

Allyl chloride

Concen: 0.342 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.134 min

Lab File: VX027802.D

Acq: 30 Mar 2022 11:56

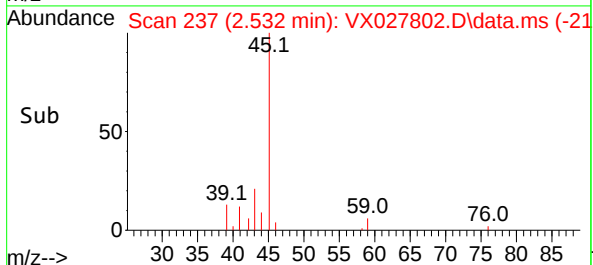
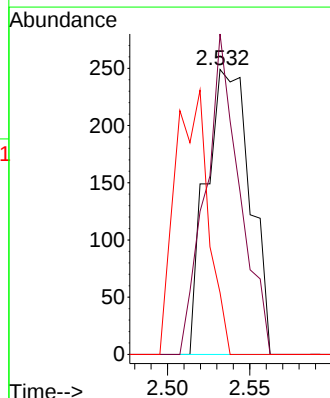
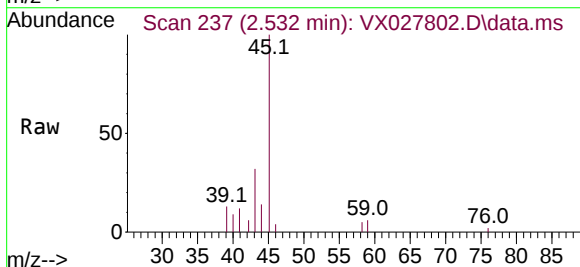
Tgt Ion: 41 Resp: 464

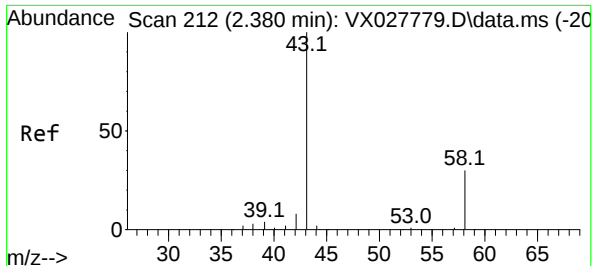
Ion Ratio Lower Upper

41 100

39 86.9 50.4 75.6#

76 69.8 32.7 49.1#

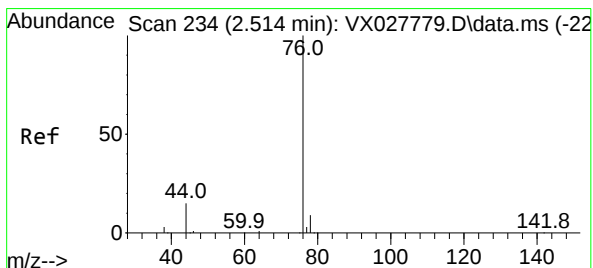
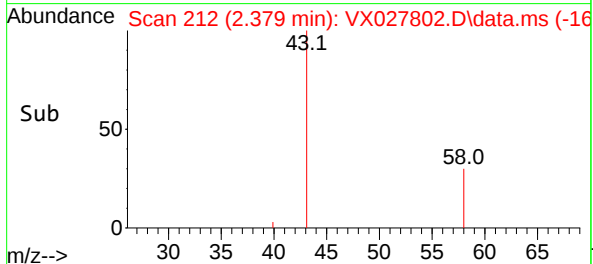
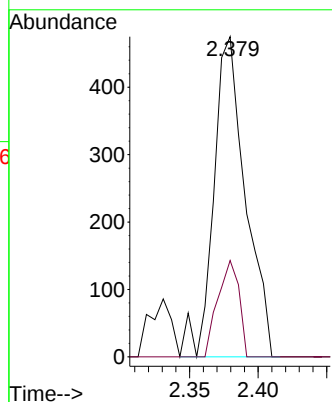
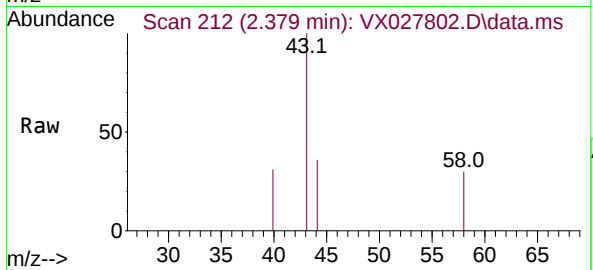




#16
Acetone
Concen: 1.559 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

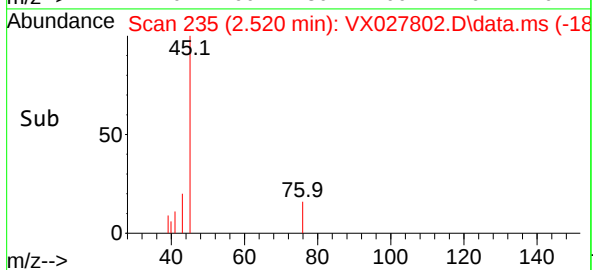
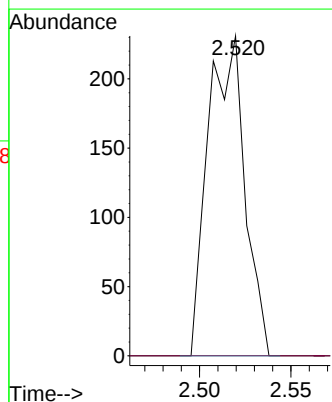
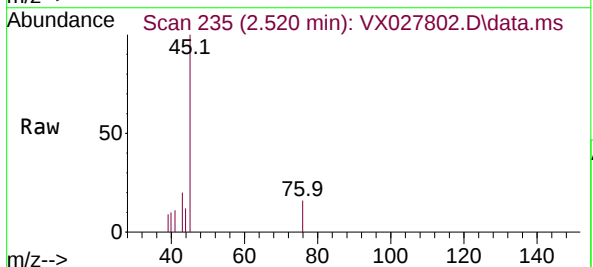
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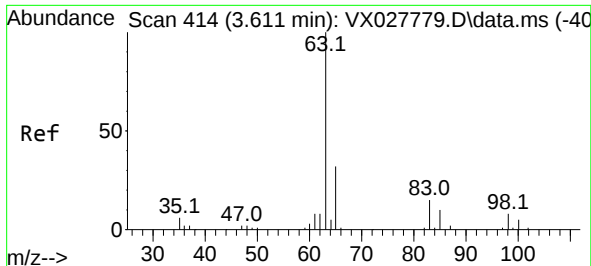
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
58 30.1 28.8 43.2



#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

Tgt Ion: 76 Resp: 324
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

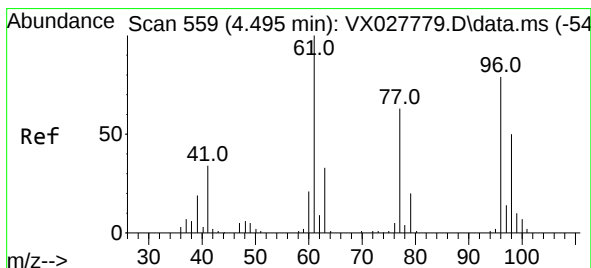
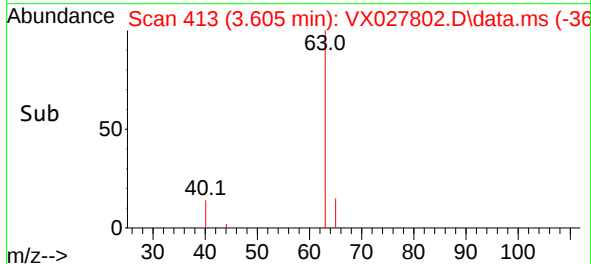
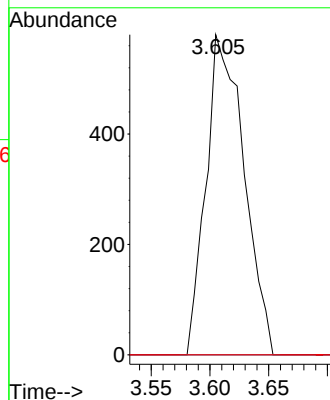
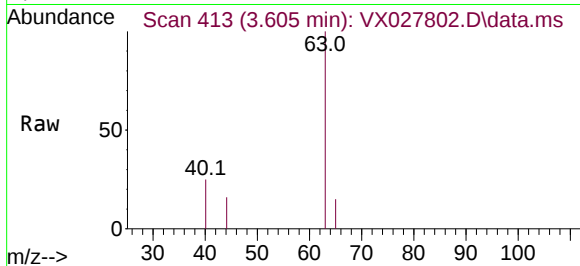




#24
 1,1-Dichloroethane
 Concen: 0.851 ug/l
 RT: 3.605 min Scan# 414
 Delta R.T. -0.006 min
 Lab File: VX027802.D
 Acq: 30 Mar 2022 11:56

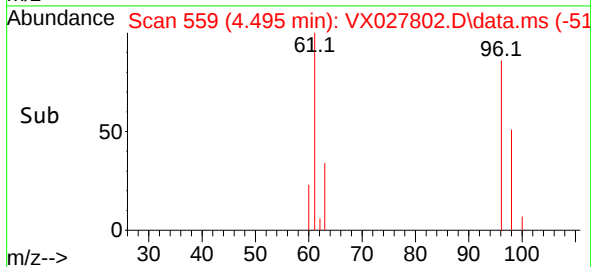
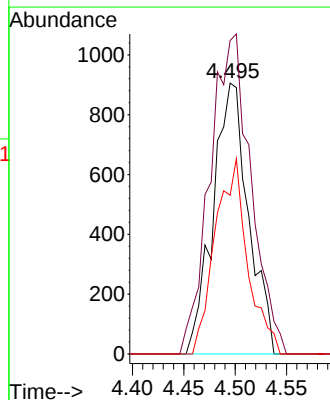
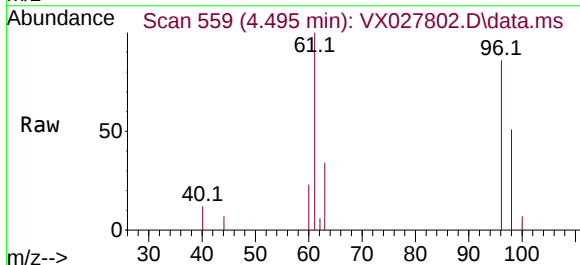
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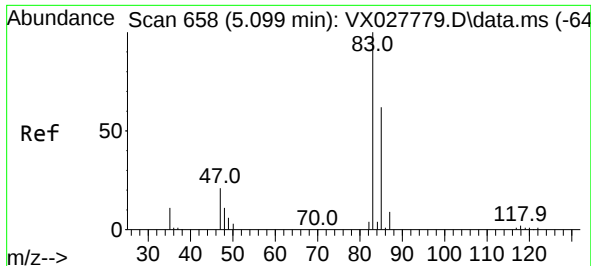
Tgt Ion: 63 Resp: 1303
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.4 7.2#



#27
 cis-1,2-Dichloroethene
 Concen: 2.244 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: VX027802.D
 Acq: 30 Mar 2022 11:56

Tgt Ion: 96 Resp: 2173
 Ion Ratio Lower Upper
 96 100
 61 136.5 0.0 283.8
 98 65.9 0.0 129.8

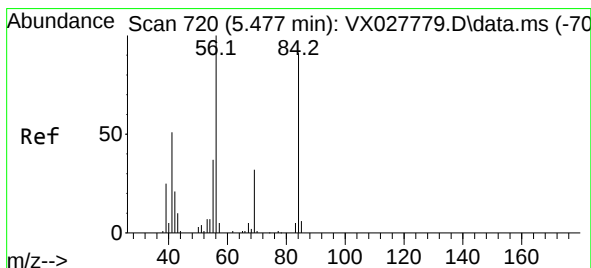
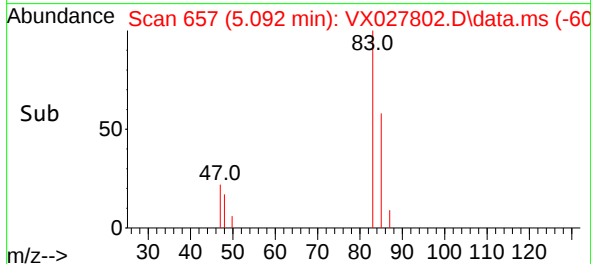
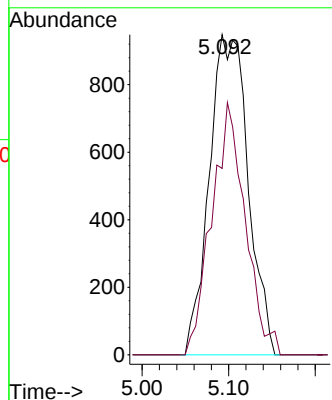
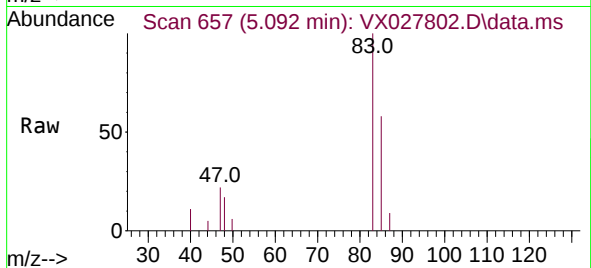




#30
Chloroform
Concen: 1.735 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

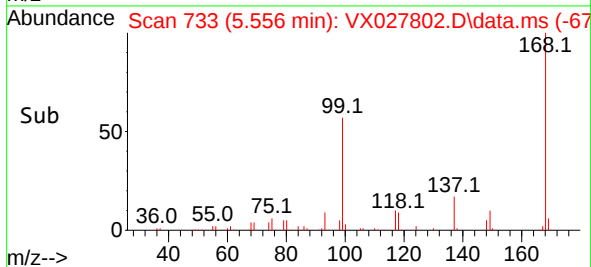
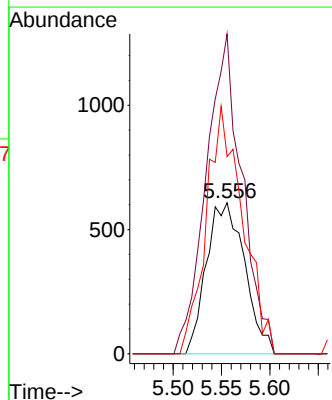
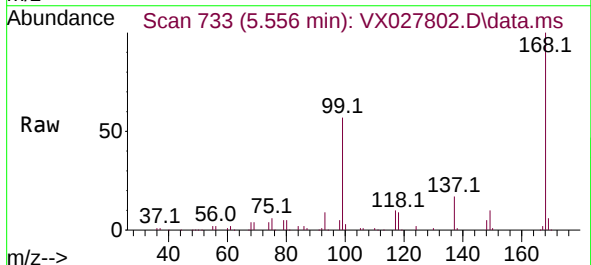
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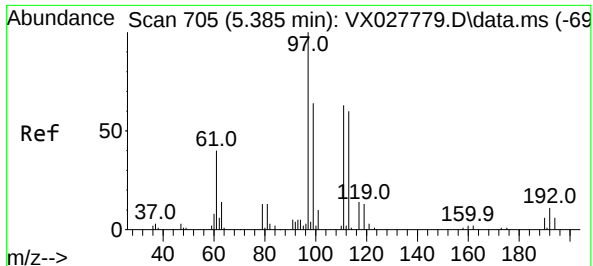
Tgt Ion: 83 Resp: 2955
Ion Ratio Lower Upper
83 100
85 58.2 52.7 79.1



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

Tgt Ion: 56 Resp: 1673
Ion Ratio Lower Upper
56 100
69 211.7 26.7 40.1#
84 130.6 77.2 115.8#

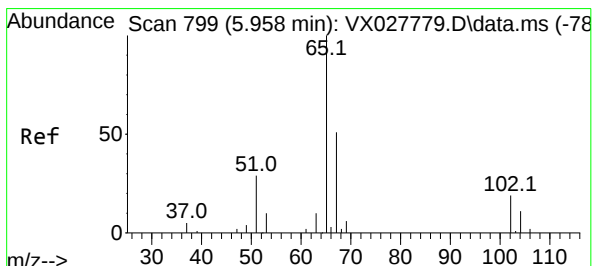
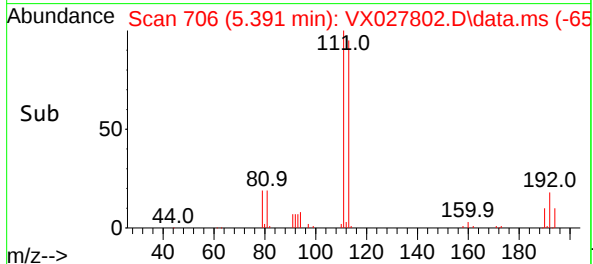
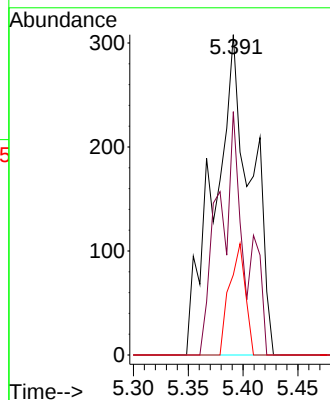
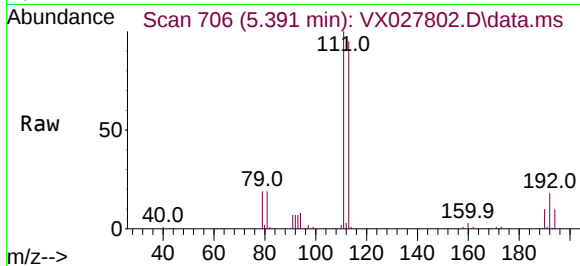




#32
1,1,1-Trichloroethane
Concen: 0.490 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

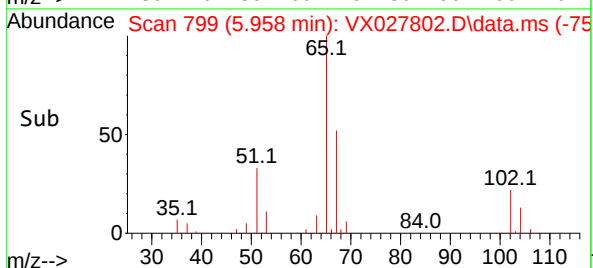
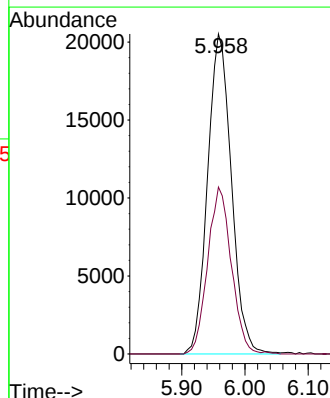
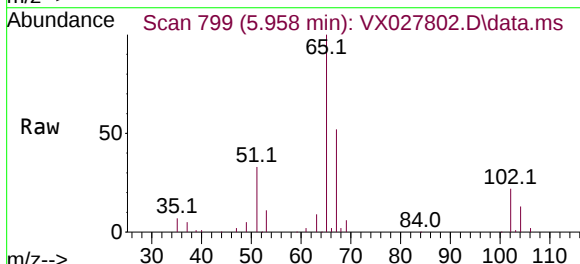
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220317

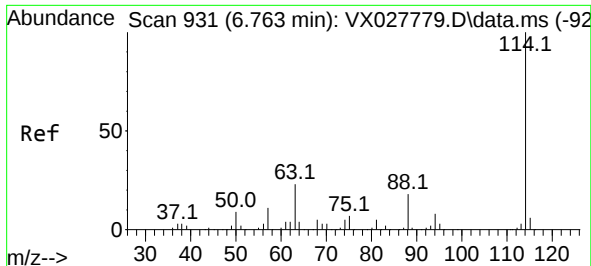
Tgt Ion: 97 Resp: 722
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 15.0 34.0 51.0#



#33
1,2-Dichloroethane-d4
Concen: 48.273 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

Tgt Ion: 65 Resp: 53650
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4

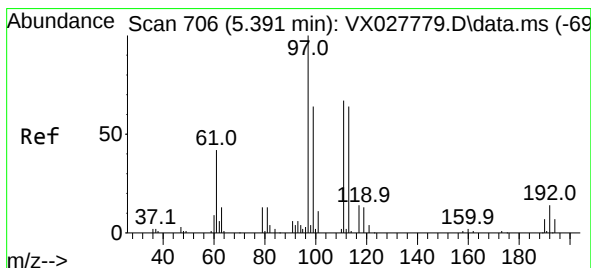
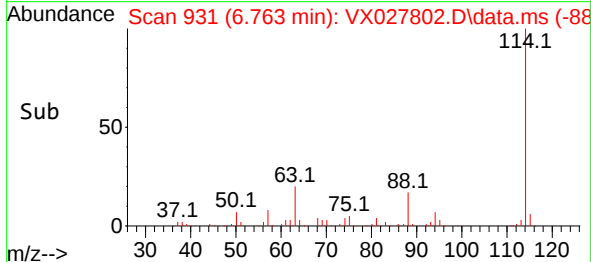
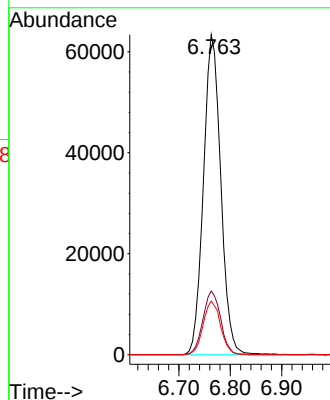
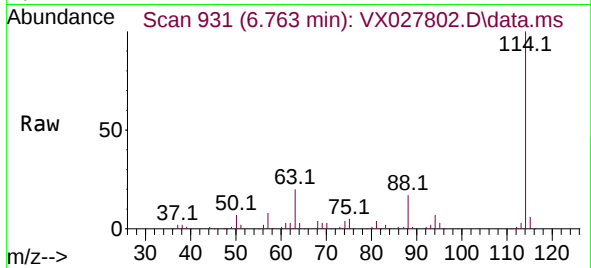




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

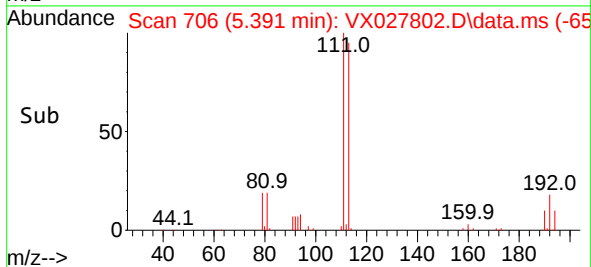
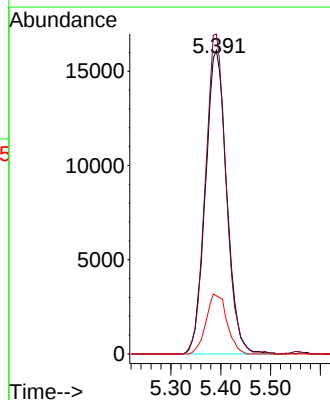
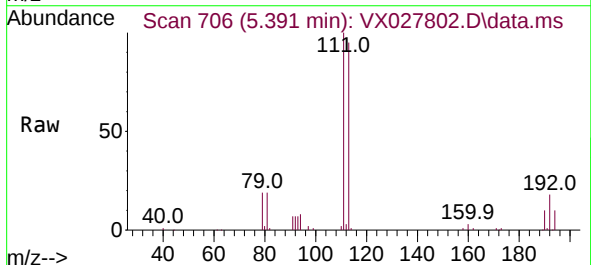
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220317

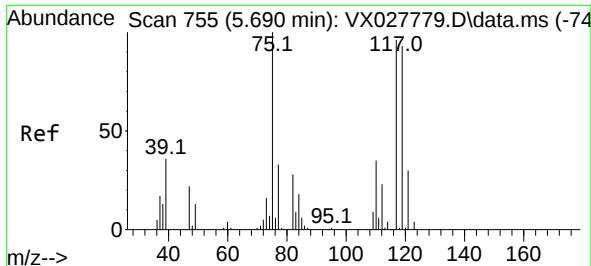
Tgt Ion:114 Resp: 148597
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.801 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

Tgt Ion:113 Resp: 47767
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 19.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.451 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX027802.D

Acq: 30 Mar 2022 11:56

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220317

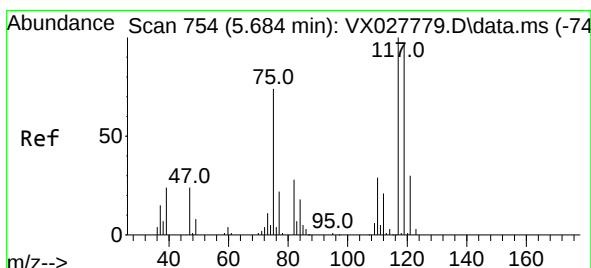
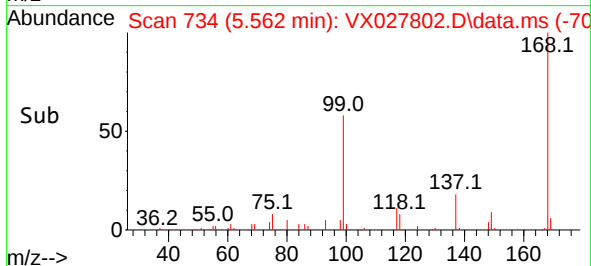
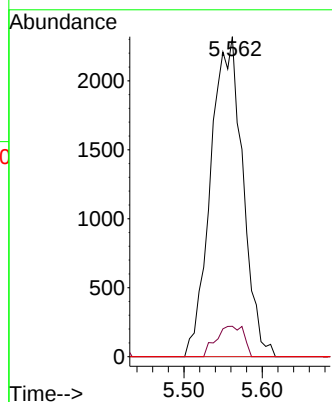
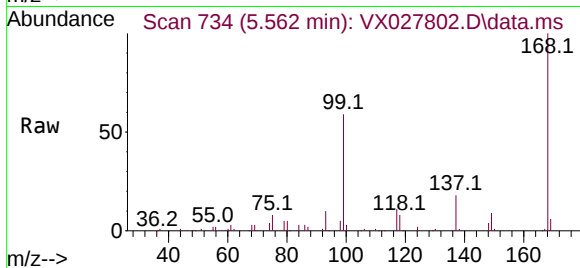
Tgt Ion: 75 Resp: 6585

Ion Ratio Lower Upper

75 100

110 8.2 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 1.770 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX027802.D

Acq: 30 Mar 2022 11:56

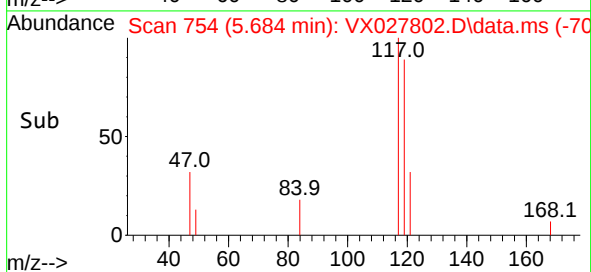
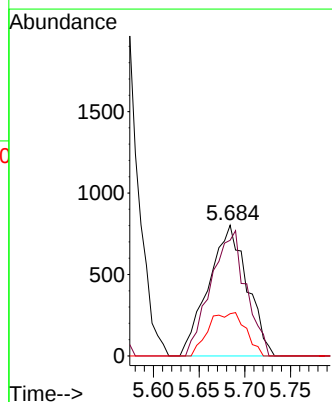
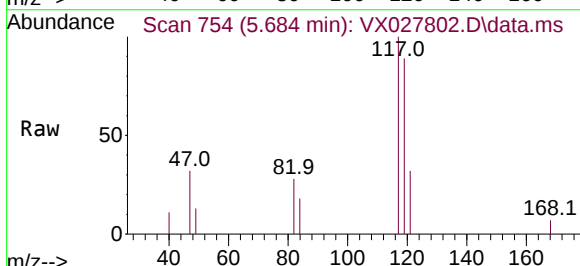
Tgt Ion: 117 Resp: 2363

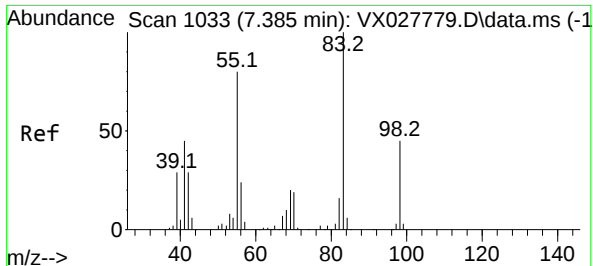
Ion Ratio Lower Upper

117 100

119 88.5 77.3 115.9

121 32.3 24.2 36.2





#39

Methylcyclohexane

Concen: 1.952 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.262 min

Lab File: VX027802.D

Acq: 30 Mar 2022 11:56

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220317

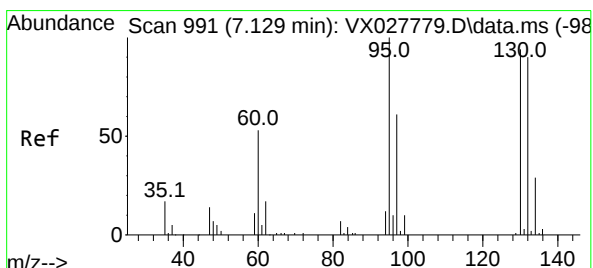
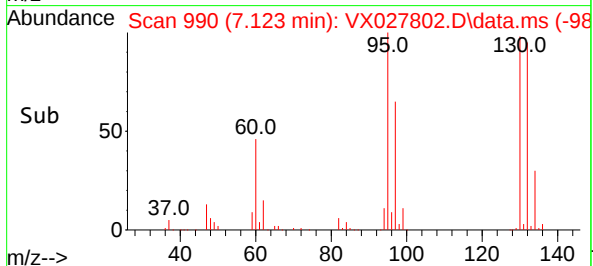
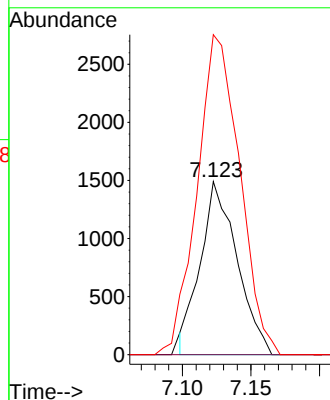
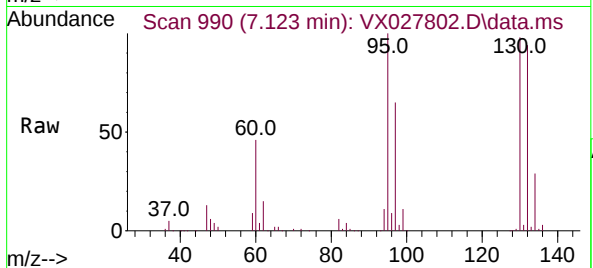
Tgt Ion: 83 Resp: 2775

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 184.8 37.4 56.2#



#44

Trichloroethene

Concen: 231.831 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX027802.D

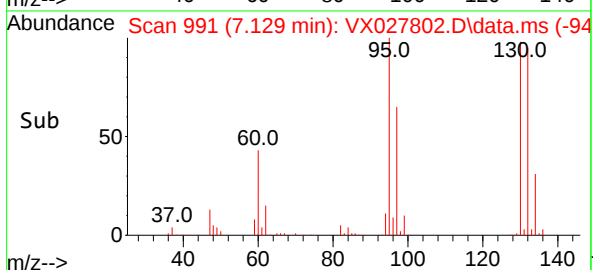
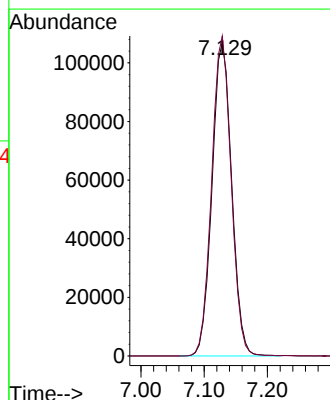
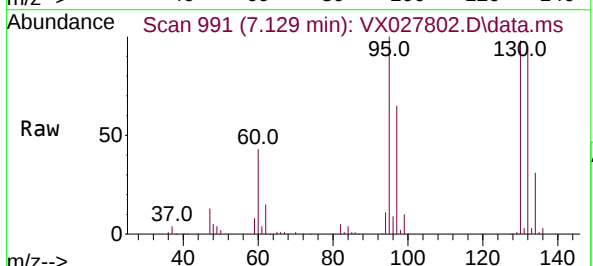
Acq: 30 Mar 2022 11:56

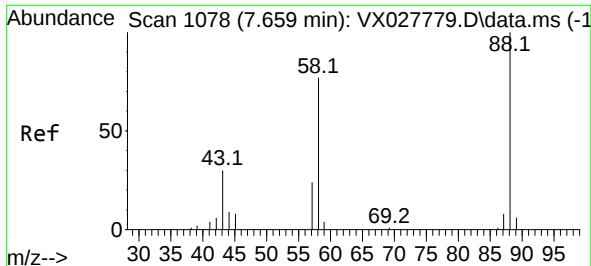
Tgt Ion:130 Resp: 230653

Ion Ratio Lower Upper

130 100

95 102.1 0.0 188.8





#49

1,4-Dioxane

Concen: 11.315 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX027802.D

Acq: 30 Mar 2022 11:56

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220317

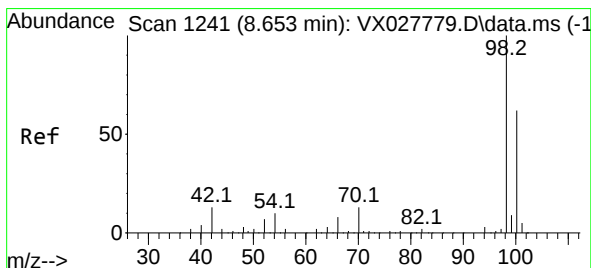
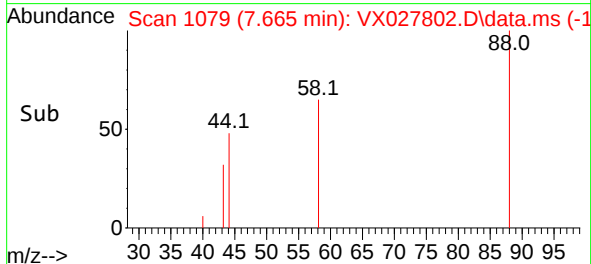
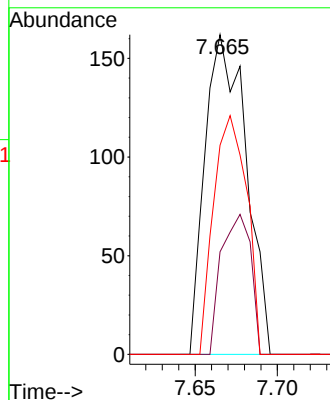
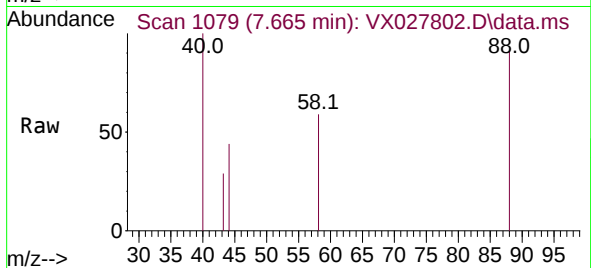
Tgt Ion: 88 Resp: 281

Ion Ratio Lower Upper

88 100

43 31.7 21.9 32.9

58 60.1 53.7 80.5



#50

Toluene-d8

Concen: 50.379 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027802.D

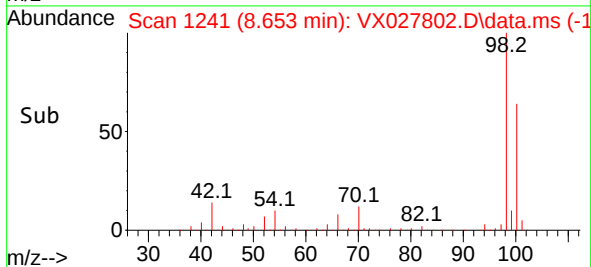
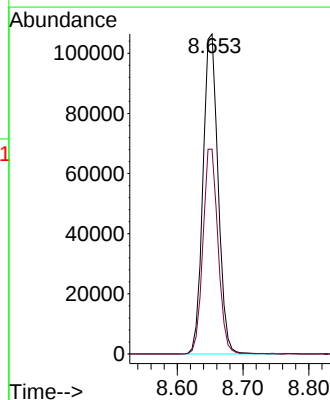
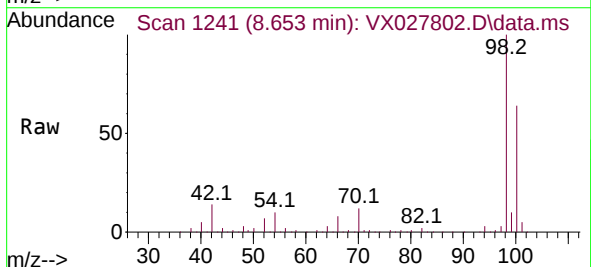
Acq: 30 Mar 2022 11:56

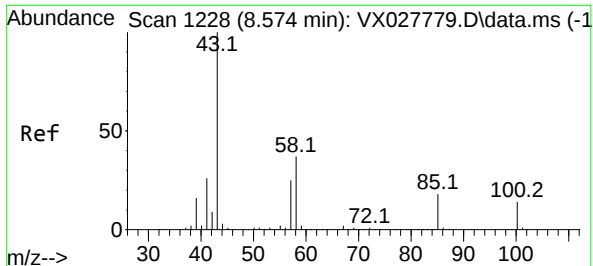
Tgt Ion: 98 Resp: 170018

Ion Ratio Lower Upper

98 100

100 63.9 52.6 78.8

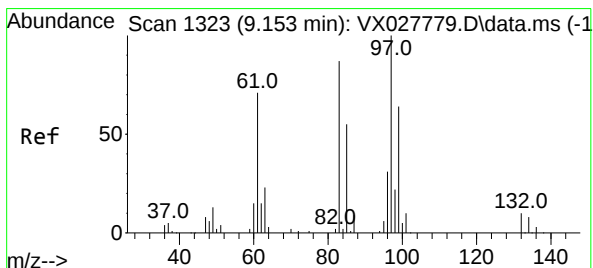
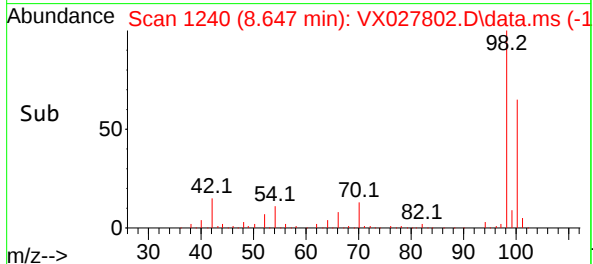
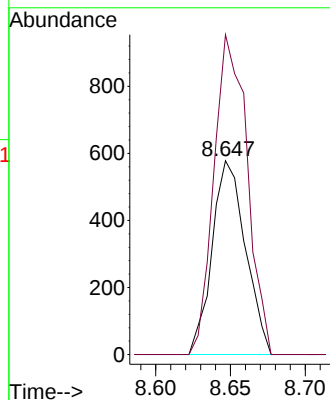
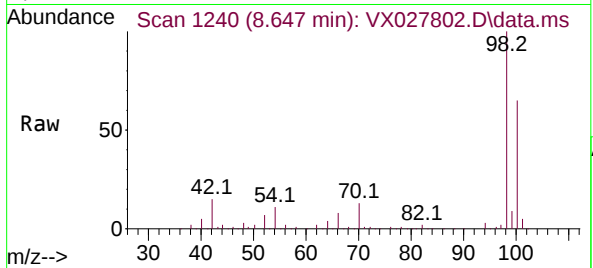




#51
4-Methyl-2-Pentanone
Concen: 0.539 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

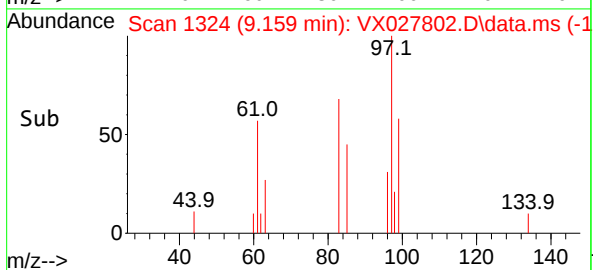
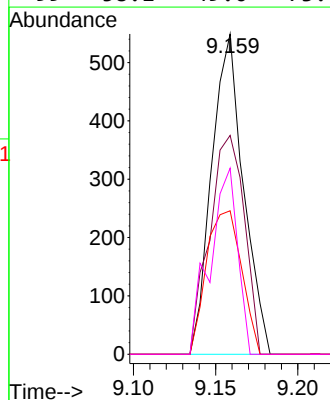
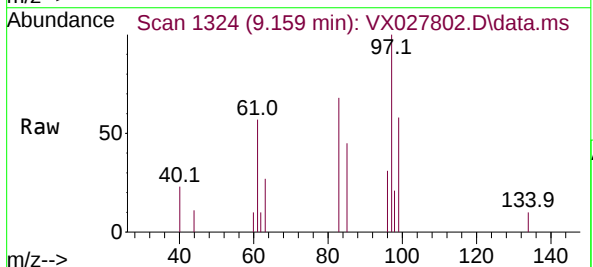
Instrument :
MSVOA_X
ClientSampleId :
RE115D1-20220317

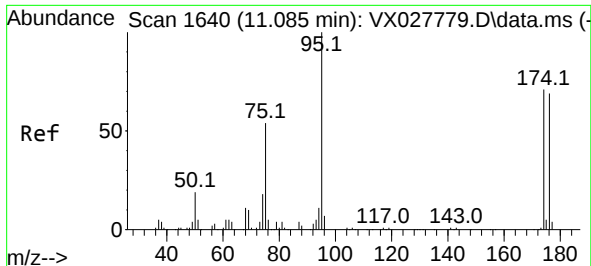
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 164.1 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.721 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX027802.D
Acq: 30 Mar 2022 11:56

Tgt Ion: 97 Resp: 737
Ion Ratio Lower Upper
97 100
83 68.3 66.2 99.4
85 44.8 42.9 64.3
99 58.1 49.0 73.6





#62

4-Bromofluorobenzene

Concen: 48.224 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX027802.D

Acq: 30 Mar 2022 11:56

Instrument :

MSVOA_X

ClientSampleId :

RE115D1-20220317

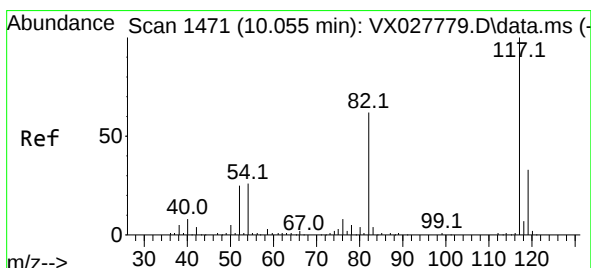
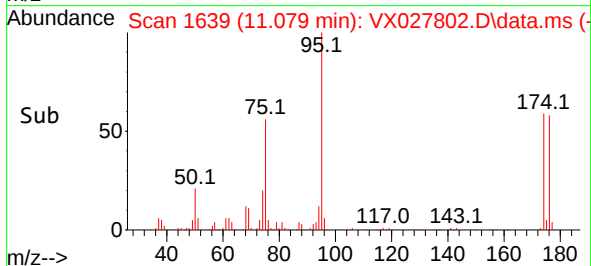
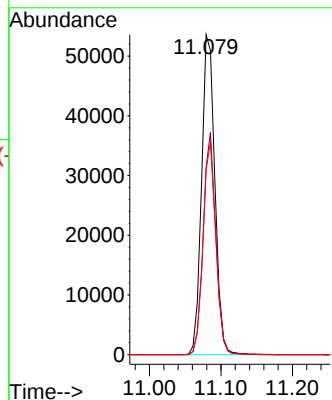
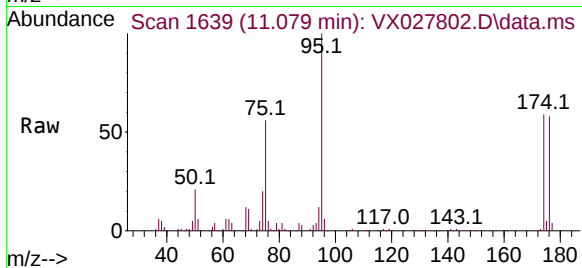
Tgt Ion: 95 Resp: 69160

Ion Ratio Lower Upper

95 100

174 65.8 0.0 163.0

176 64.0 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: VX027802.D

Acq: 30 Mar 2022 11:56

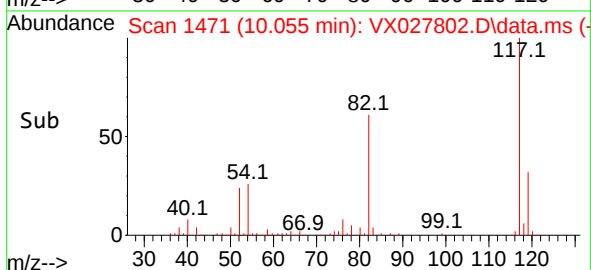
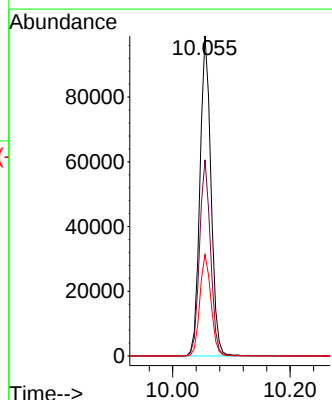
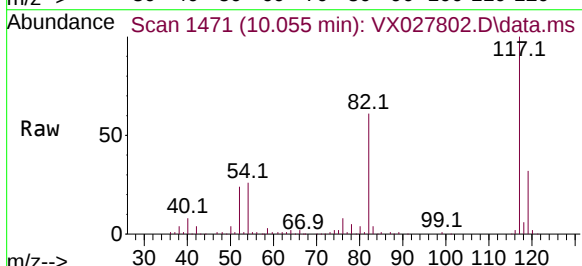
Tgt Ion: 117 Resp: 129092

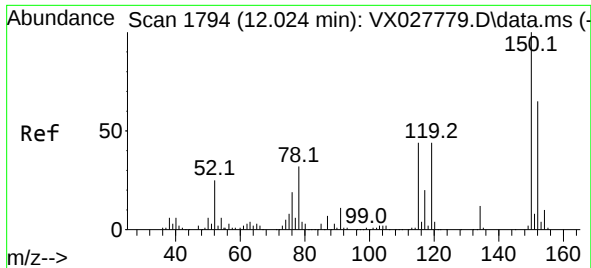
Ion Ratio Lower Upper

117 100

82 61.3 41.8 62.8

119 31.7 24.8 37.2

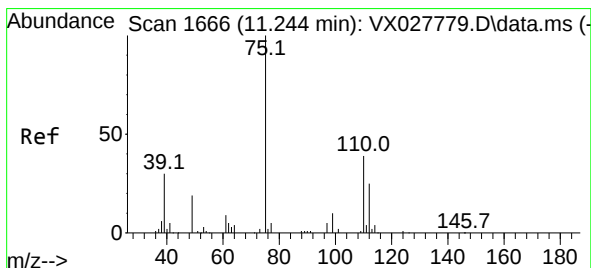
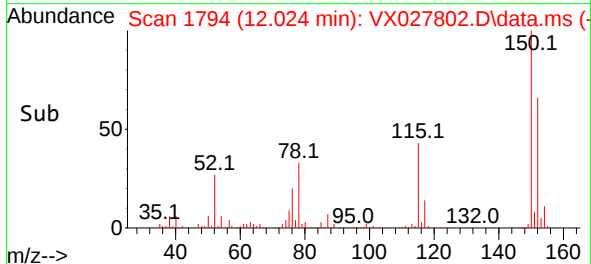
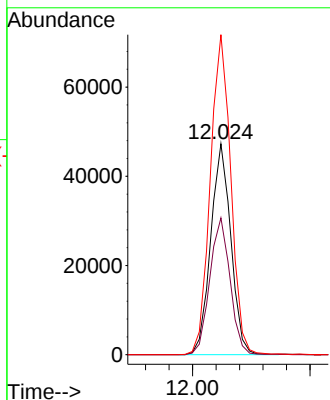
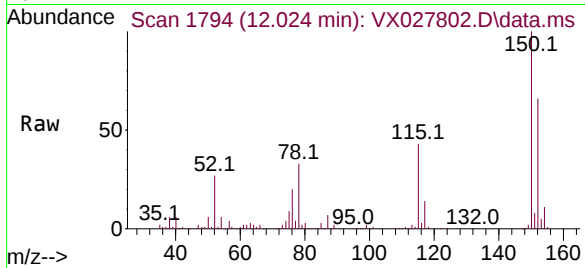




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027802.D
 Acq: 30 Mar 2022 11:56

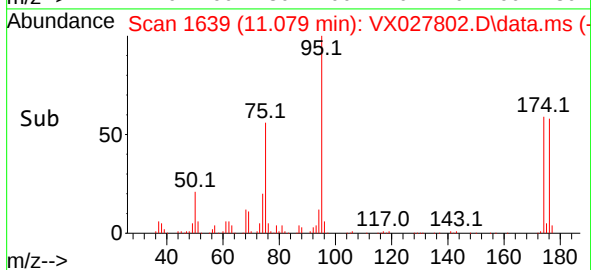
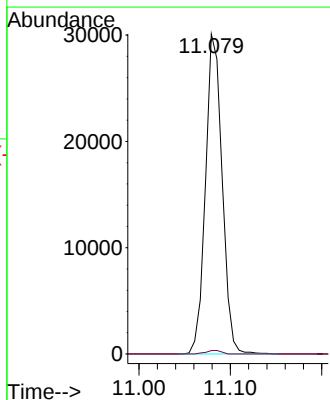
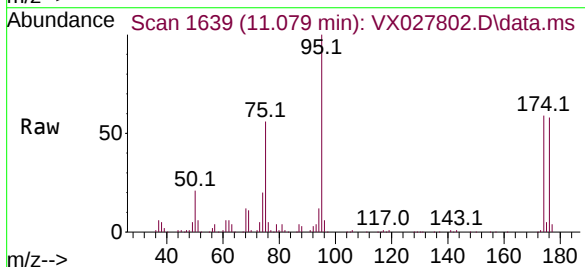
Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20220317

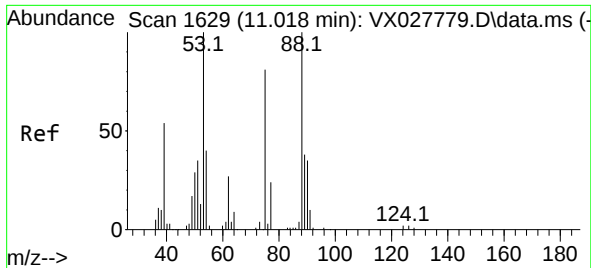
Tgt Ion:152 Resp: 56326
 Ion Ratio Lower Upper
 152 100
 115 65.3 37.5 112.7
 150 154.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.833 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027802.D
 Acq: 30 Mar 2022 11:56

Tgt Ion: 75 Resp: 38097
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.119 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027802.D
 Acq: 30 Mar 2022 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D1-20220317

Tgt Ion: 75 Resp: 38097
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

