

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027807.D
 Acq On : 30 Mar 2022 13:53
 Operator : JC/MD
 Sample : N2041-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220317

Quant Time: Mar 31 05:48:23 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)

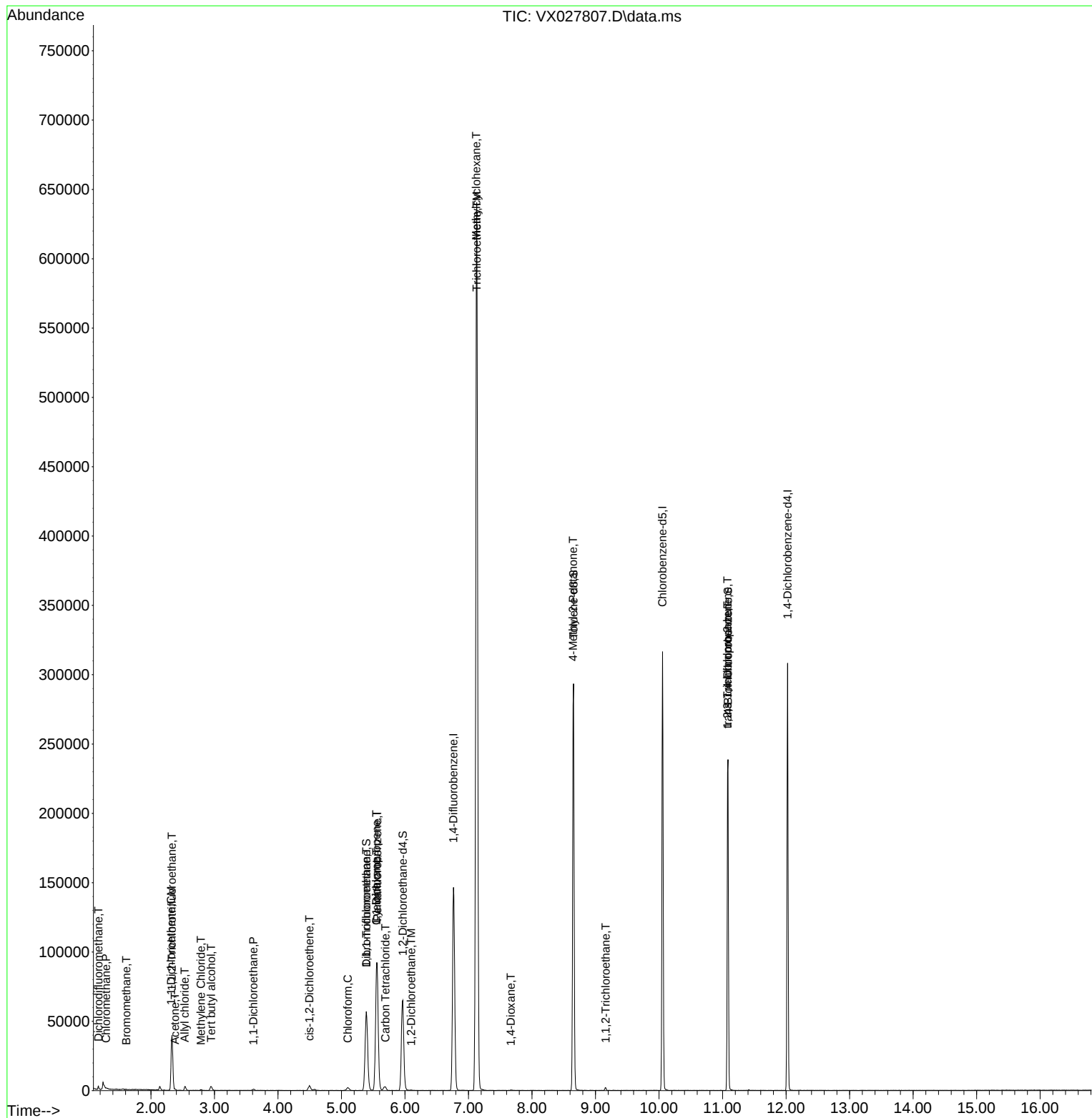
Internal Standards						
1) Pentafluorobenzene	5.562	168	84564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	139480	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	67699	62.046	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 124.100%	
35) Dibromofluoromethane	5.391	113	48991	54.416	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.840%	
50) Toluene-d8	8.653	98	168395	53.160	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.320%	
62) 4-Bromofluorobenzene	11.085	95	66604	49.477	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.960%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	1144	1.493	ug/l	88
3) Chloromethane	1.294	50	144	0.213	ug/l #	42
5) Bromomethane	1.611	94	122	0.390	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.331	101	12712	16.054	ug/l	98
11) Tert butyl alcohol	2.946	59	2040	9.733	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	4203	5.785	ug/l	93
14) Allyl chloride	2.532	41	345	0.259	ug/l #	70
16) Acetone	2.380	43	937	1.940	ug/l #	81
20) Methylene Chloride	2.788	84	243	0.280	ug/l #	54
24) 1,1-Dichloroethane	3.611	63	1340	0.891	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	2308	2.427	ug/l	89
30) Chloroform	5.099	83	2746	1.643	ug/l	92
31) Cyclohexane	5.550	56	1817	1.506	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	609	0.421	ug/l #	50
36) 1,1-Dichloropropene	5.550	75	7352	6.484	ug/l #	49
38) Carbon Tetrachloride	5.690	117	2614	2.087	ug/l	95
39) Methylcyclohexane	7.123	83	3023	2.265	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	471	0.343	ug/l #	73
44) Trichloroethene	7.129	130	221373	237.048	ug/l	85
49) 1,4-Dioxane	7.665	88	271	11.626	ug/l #	75
51) 4-Methyl-2-Pentanone	8.647	43	904	0.579	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	692	0.721	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	37524	29.456	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	37524	85.863	ug/l #	15

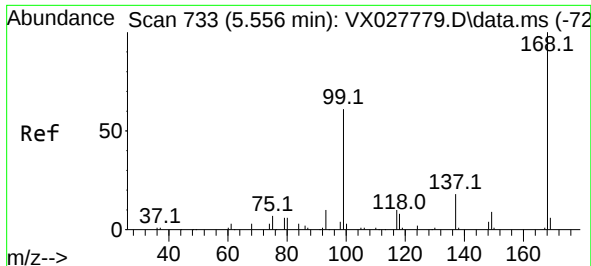
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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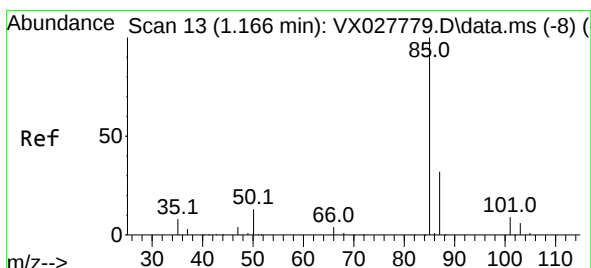
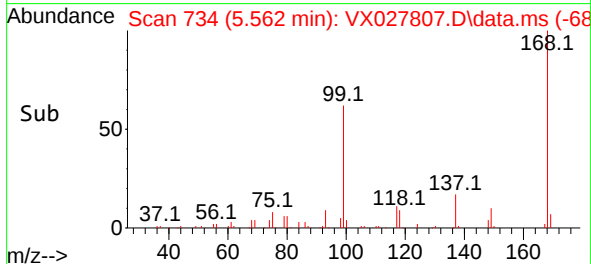
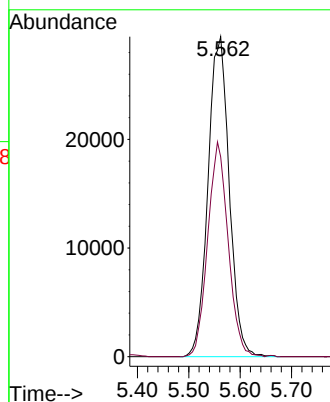
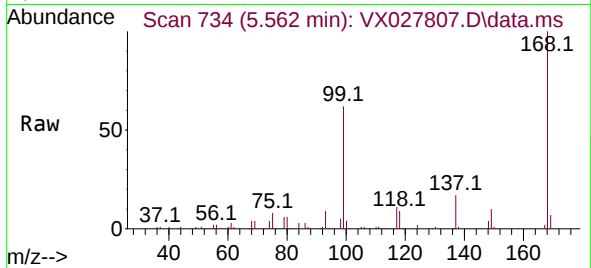




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

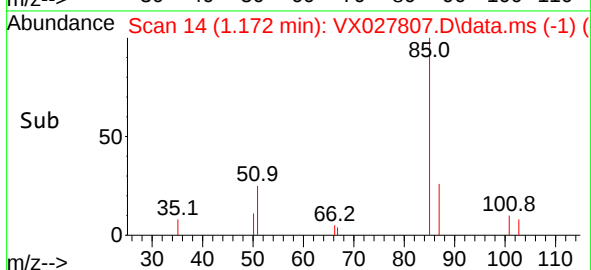
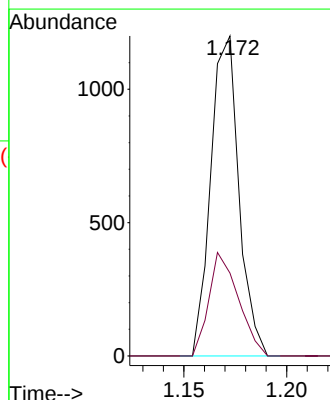
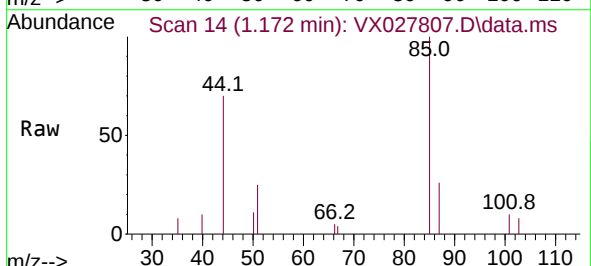
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220317

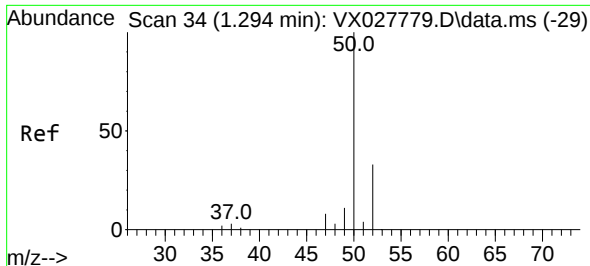
Tgt Ion:168 Resp: 84564
Ion Ratio Lower Upper
168 100
99 62.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 1.493 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion: 85 Resp: 1144
Ion Ratio Lower Upper
85 100
87 25.9 16.2 48.6

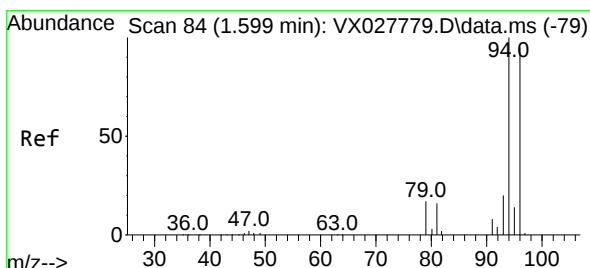
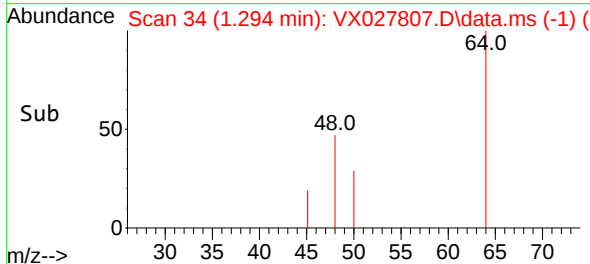
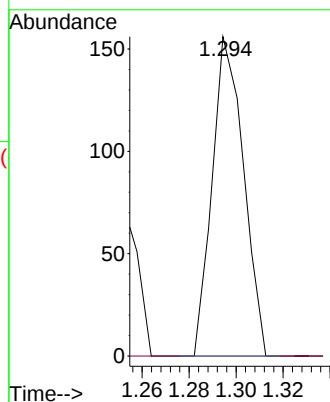
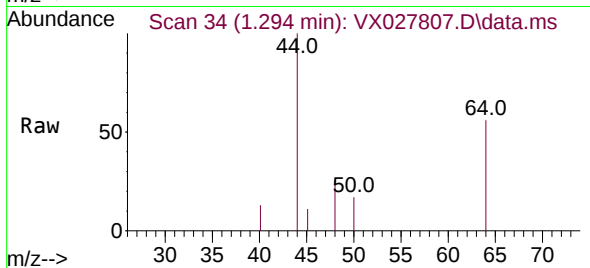




#3
Chloromethane
Concen: 0.213 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

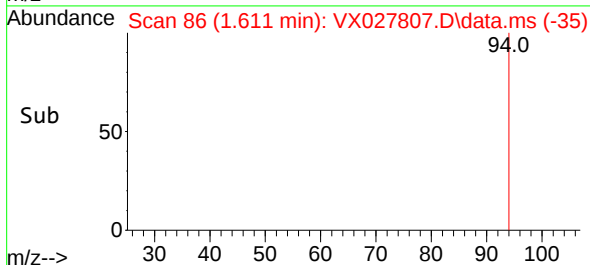
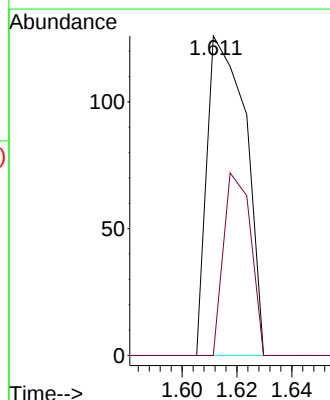
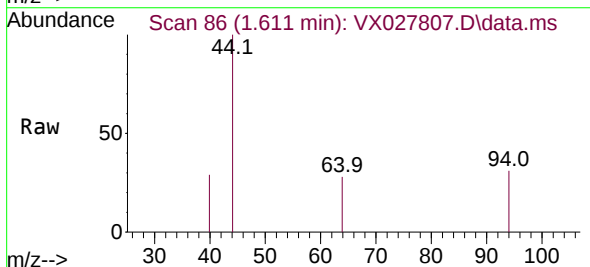
Instrument :
MSVOA_X
ClientSampleId :
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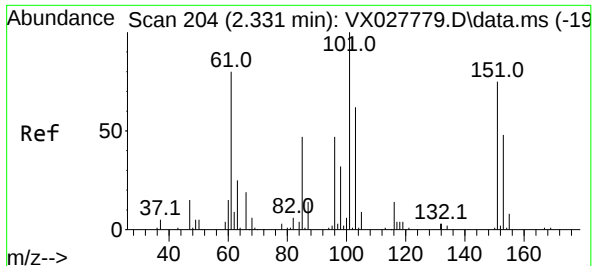
Tgt Ion: 50 Resp: 144
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#5
Bromomethane
Concen: 0.390 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#

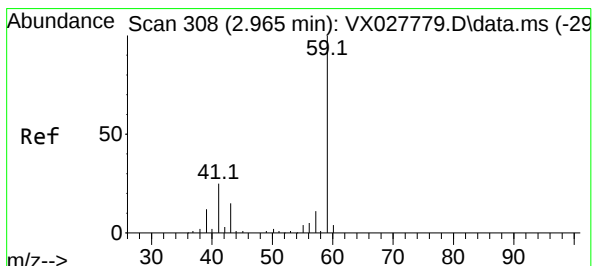
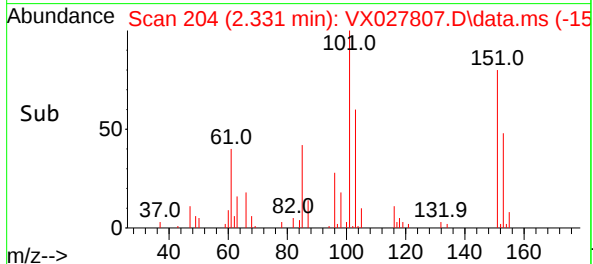
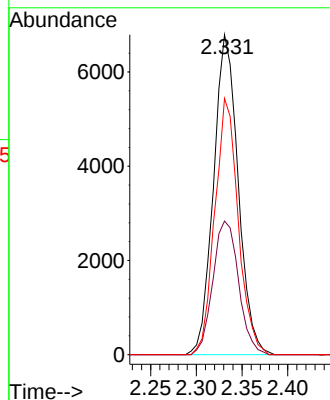
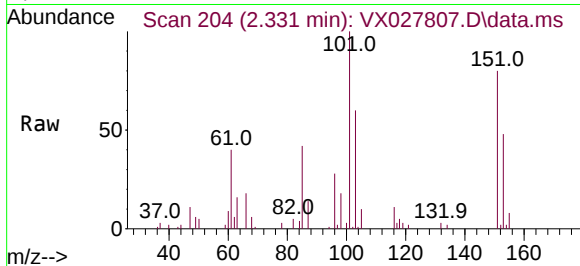




#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.054 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

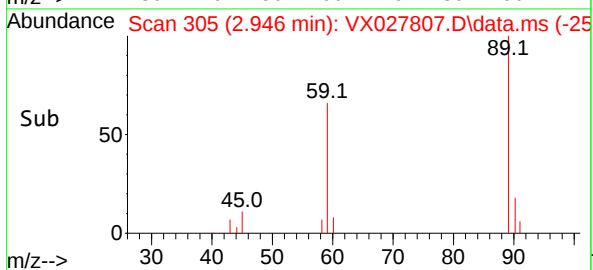
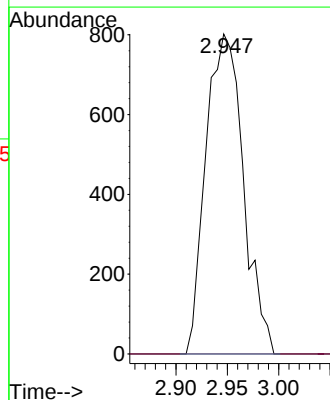
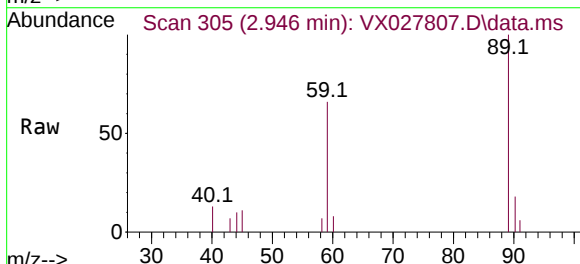
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220317

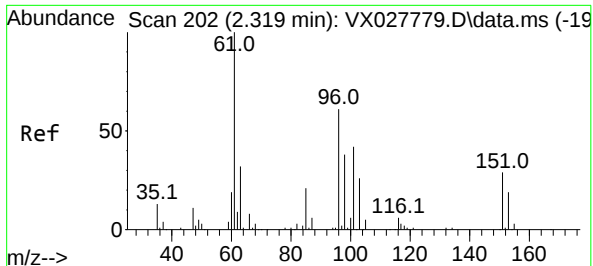
Tgt Ion:101 Resp: 12712
Ion Ratio Lower Upper
101 100
85 43.6 33.5 50.3
151 76.2 61.8 92.6



#11
Tert butyl alcohol
Concen: 9.733 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion: 59 Resp: 2040
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 5.785 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220317

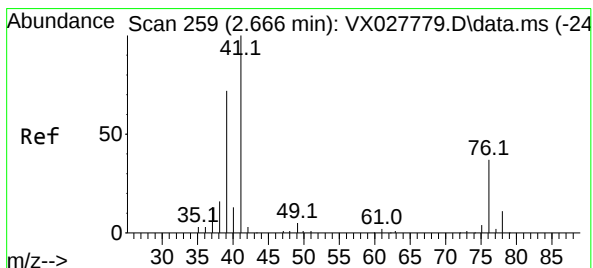
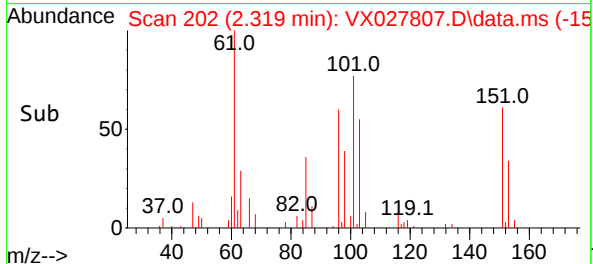
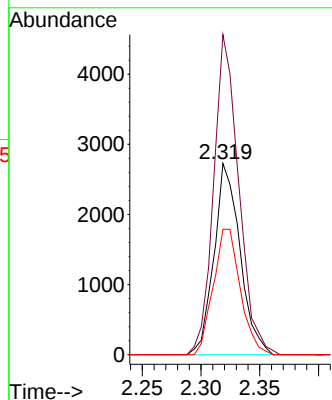
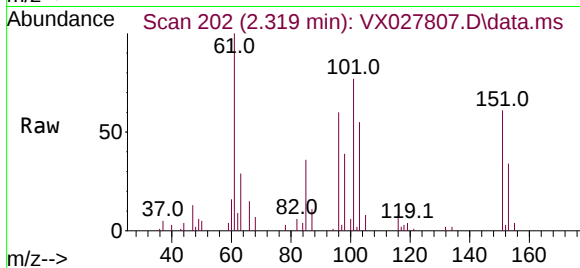
Tgt Ion: 96 Resp: 4203

Ion Ratio Lower Upper

96 100

61 167.4 124.6 187.0

98 65.6 51.0 76.4



#14

Allyl chloride

Concen: 0.259 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.134 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

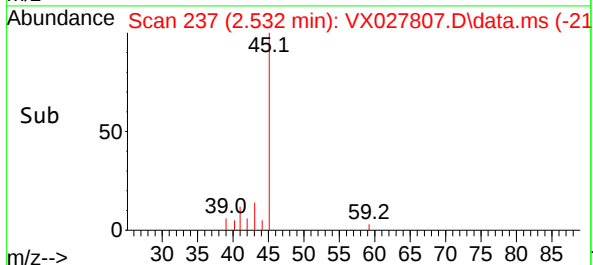
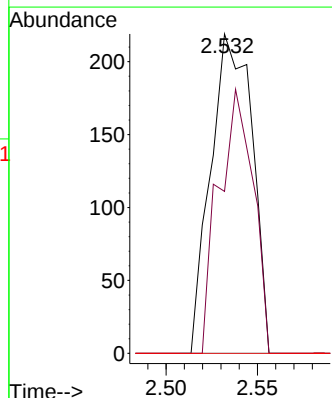
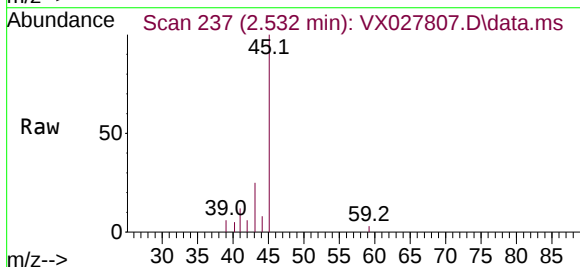
Tgt Ion: 41 Resp: 345

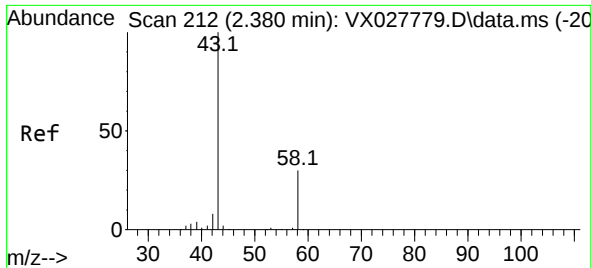
Ion Ratio Lower Upper

41 100

39 69.0 50.4 75.6

76 0.0 32.7 49.1#

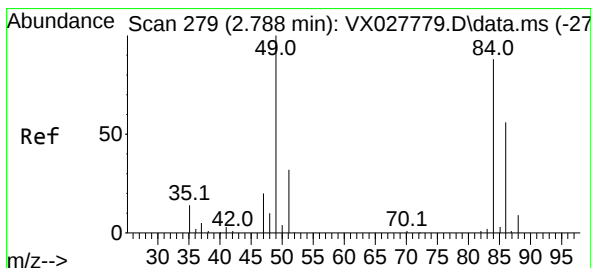
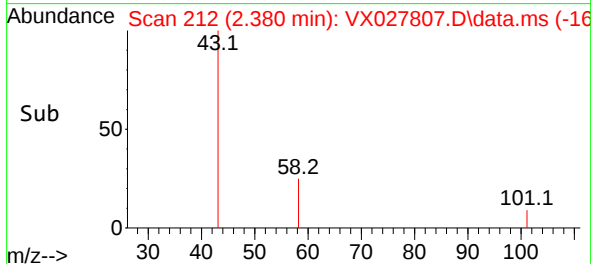
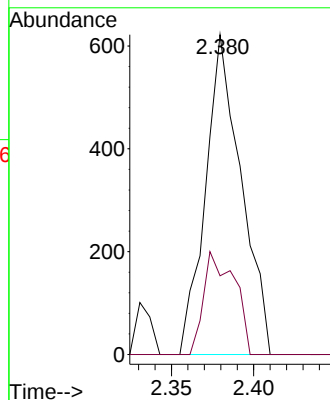
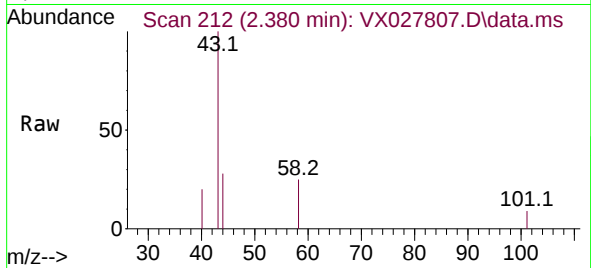




#16
Acetone
Concen: 1.940 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

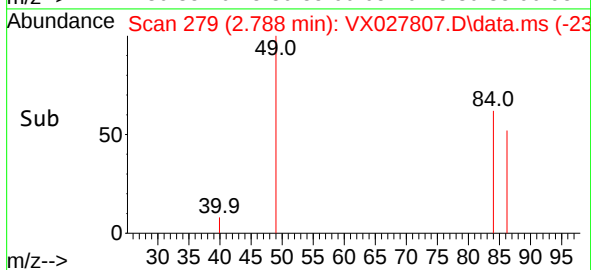
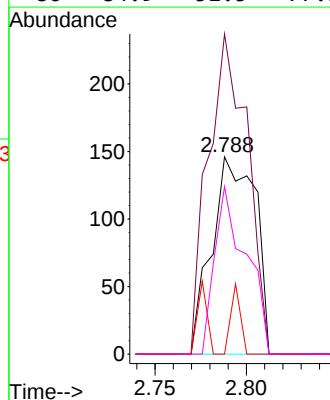
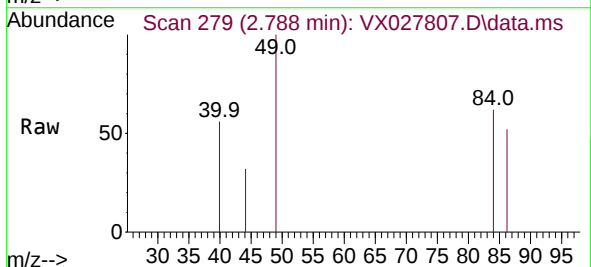
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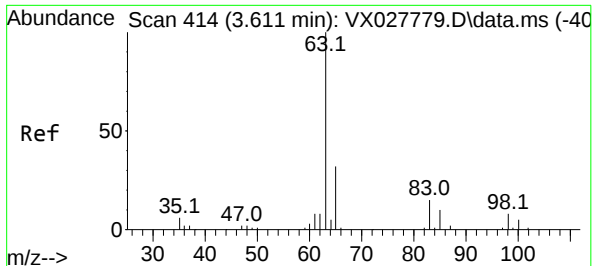
Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 24.6 28.8 43.2#



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion: 84 Resp: 243
Ion Ratio Lower Upper
84 100
49 162.3 85.5 128.3#
51 0.0 26.6 39.8#
86 84.9 51.5 77.3#

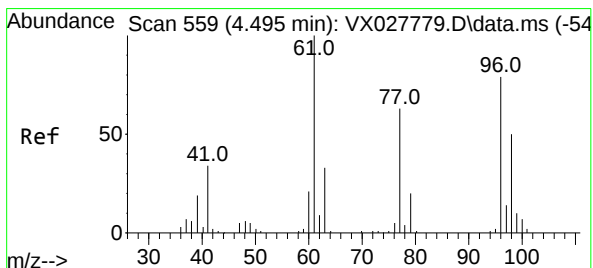
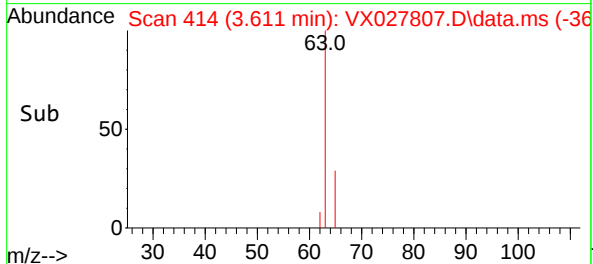
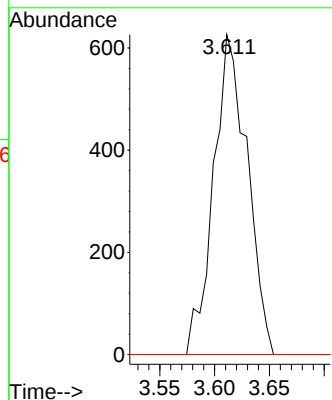
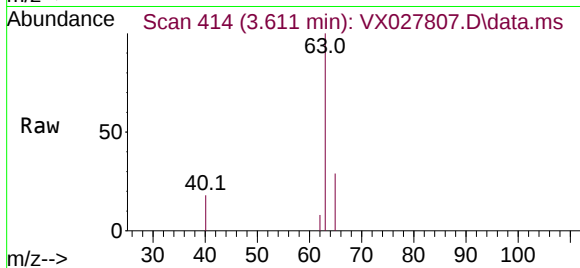




#24
 1,1-Dichloroethane
 Concen: 0.891 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.000 min
 Lab File: VX027807.D
 Acq: 30 Mar 2022 13:53

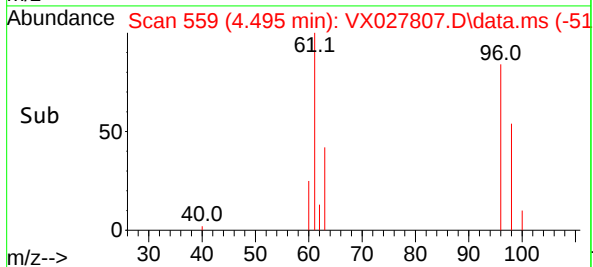
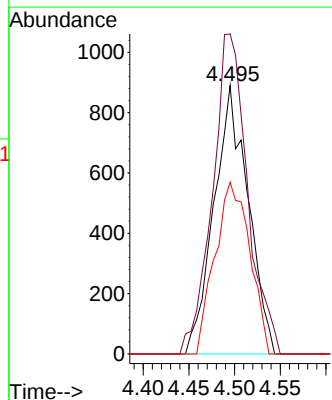
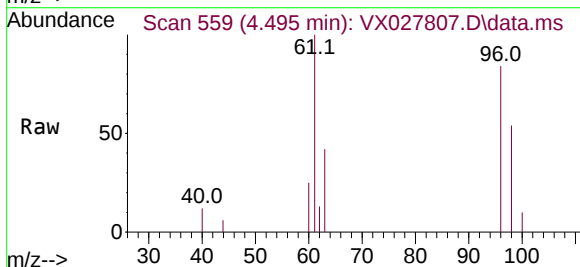
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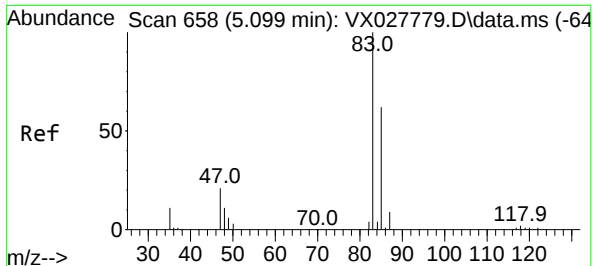
Tgt Ion: 63 Resp: 1340
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.4 7.2#



#27
 cis-1,2-Dichloroethene
 Concen: 2.427 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: VX027807.D
 Acq: 30 Mar 2022 13:53

Tgt Ion: 96 Resp: 2308
 Ion Ratio Lower Upper
 96 100
 61 122.5 0.0 283.8
 98 65.5 0.0 129.8





#30

Chloroform

Concen: 1.643 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

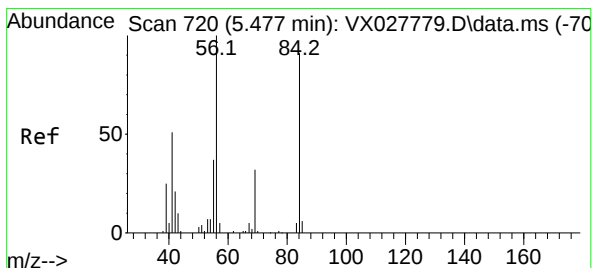
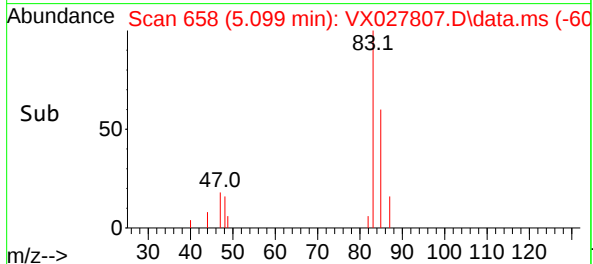
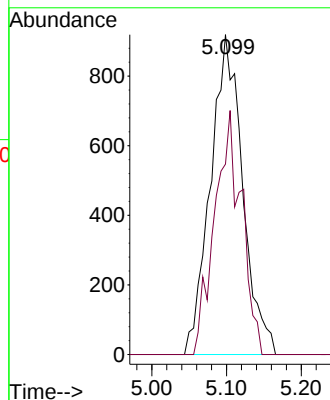
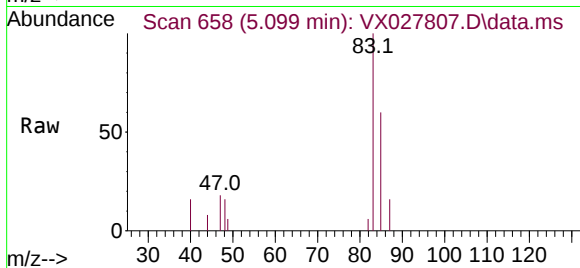
DUP02-20220317

Tgt Ion: 83 Resp: 2746

Ion Ratio Lower Upper

83 100

85 59.5 52.7 79.1



#31

Cyclohexane

Concen: 1.506 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

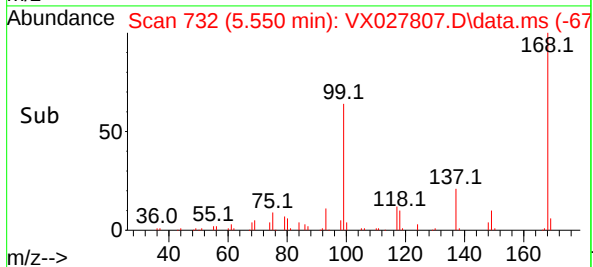
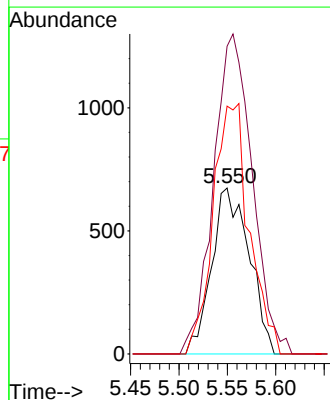
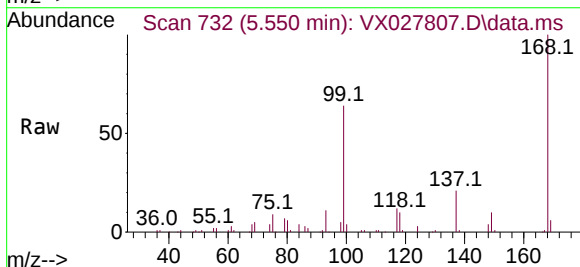
Tgt Ion: 56 Resp: 1817

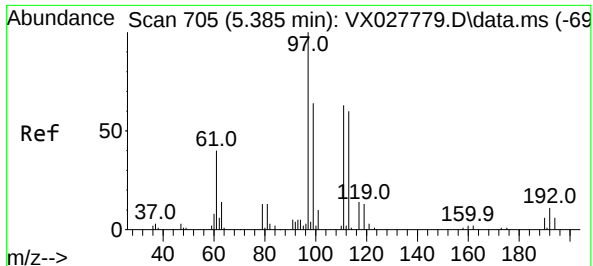
Ion Ratio Lower Upper

56 100

69 185.5 26.7 40.1#

84 149.4 77.2 115.8#





#32

1,1,1-Trichloroethane

Concen: 0.421 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220317

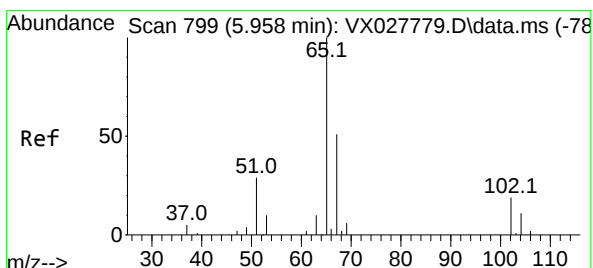
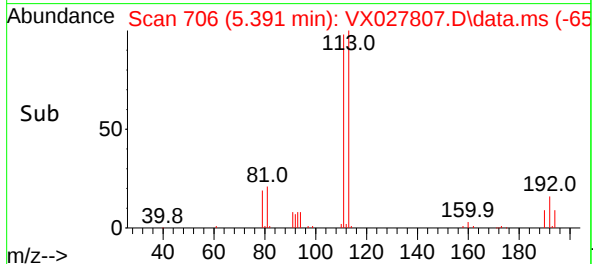
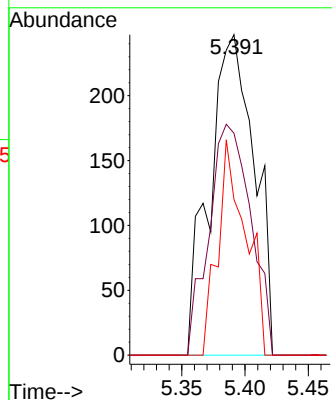
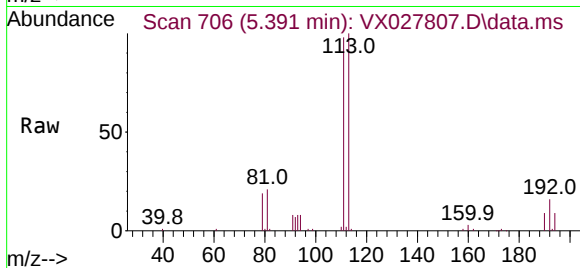
Tgt Ion: 97 Resp: 609

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6#

61 42.0 34.0 51.0



#33

1,2-Dichloroethane-d4

Concen: 62.046 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX027807.D

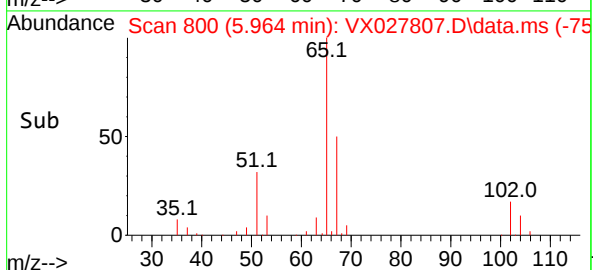
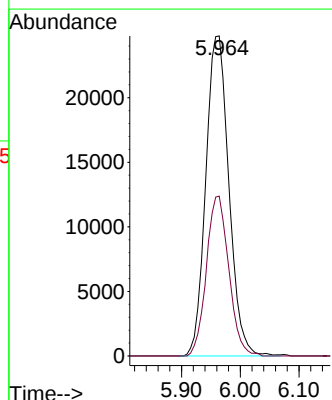
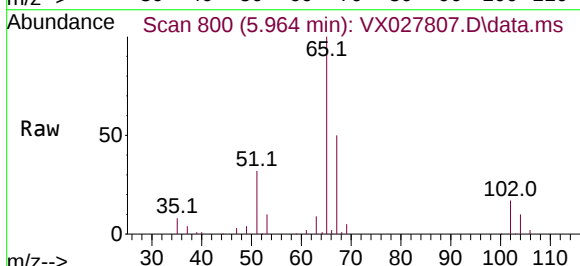
Acq: 30 Mar 2022 13:53

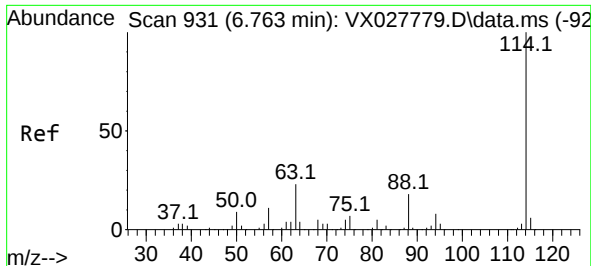
Tgt Ion: 65 Resp: 67699

Ion Ratio Lower Upper

65 100

67 48.4 0.0 107.4

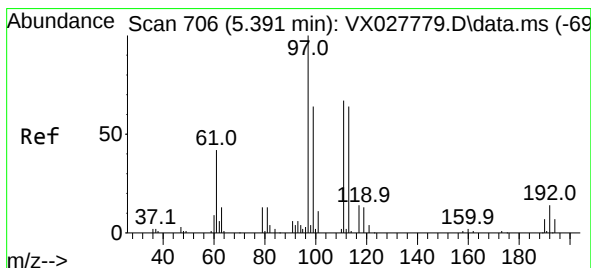
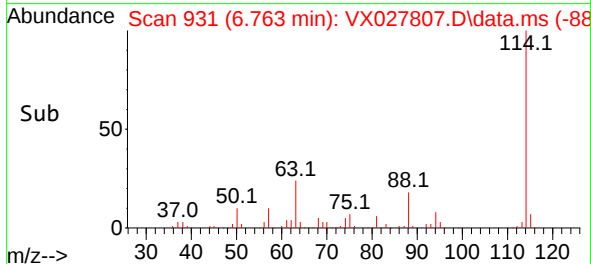
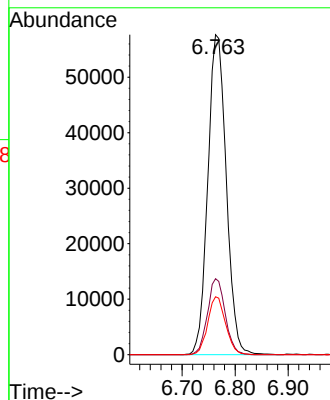
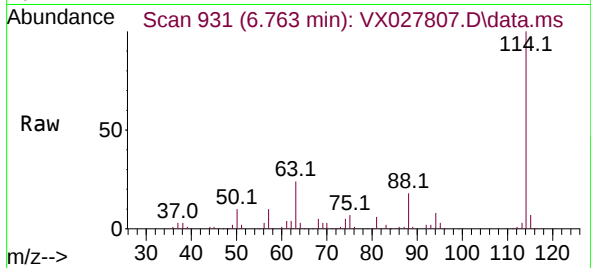




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 914
Delta R.T. -0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

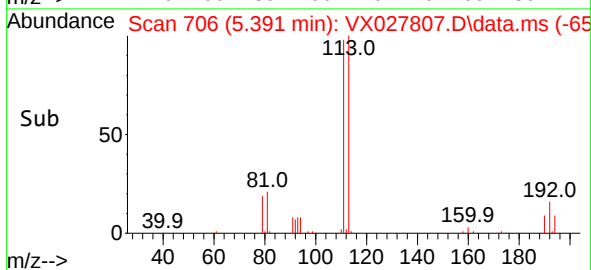
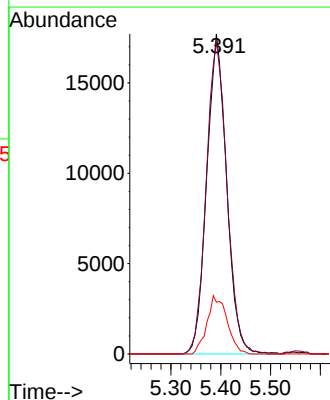
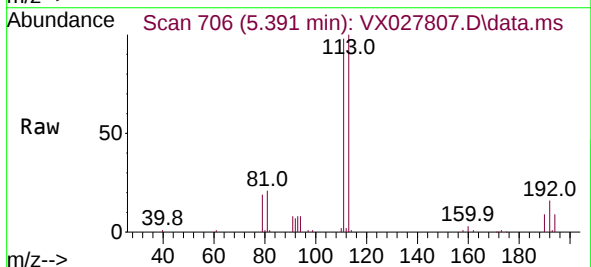
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220317

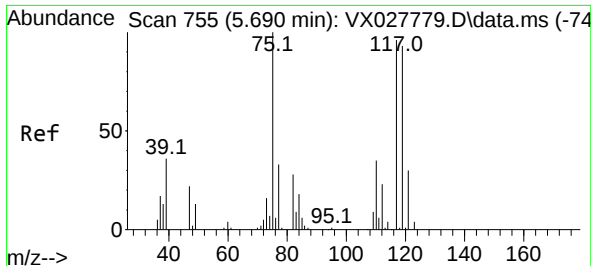
Tgt Ion:114 Resp: 139480
Ion Ratio Lower Upper
114 100
63 23.7 0.0 36.8
88 18.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.416 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion:113 Resp: 48991
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 18.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.484 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220317

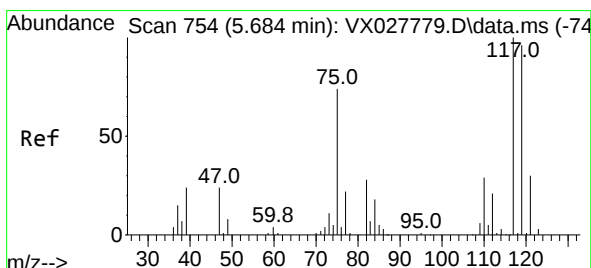
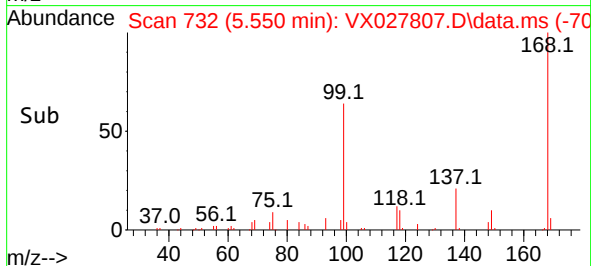
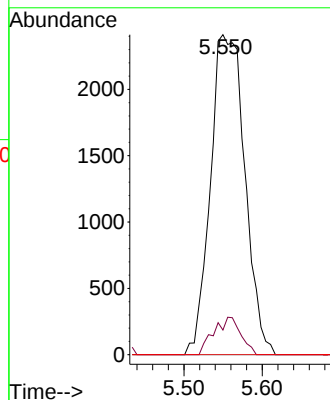
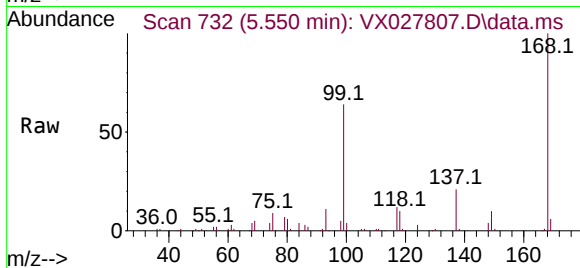
Tgt Ion: 75 Resp: 7352

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 2.087 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

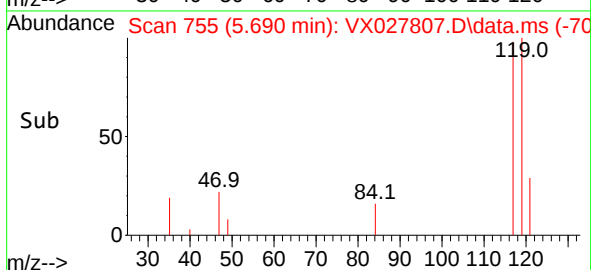
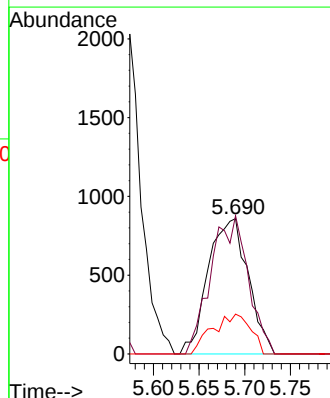
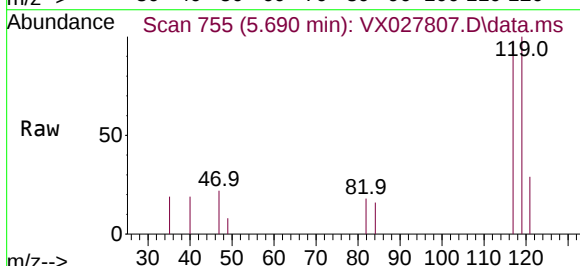
Tgt Ion: 117 Resp: 2614

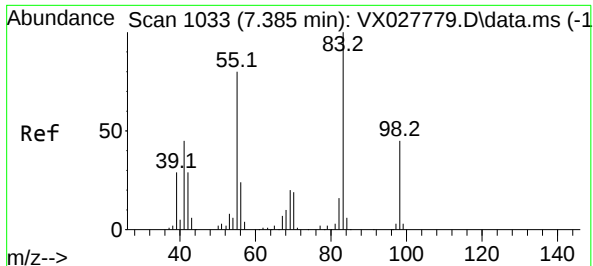
Ion Ratio Lower Upper

117 100

119 102.1 77.3 115.9

121 29.5 24.2 36.2





#39

Methylcyclohexane

Concen: 2.265 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX027807.D

Acq: 30 Mar 2022 13:53

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220317

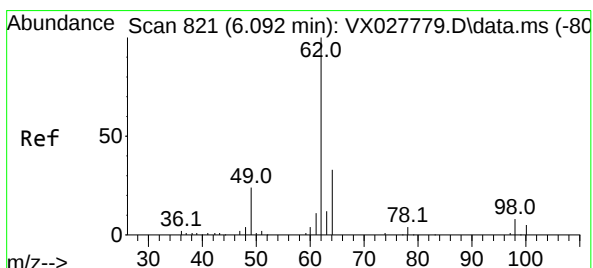
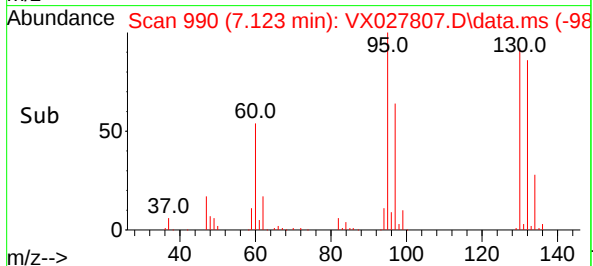
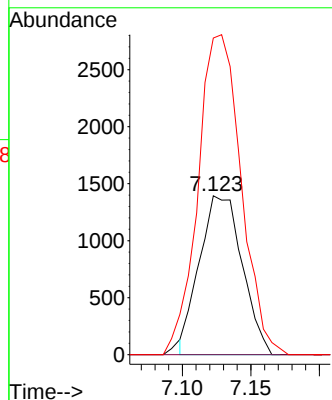
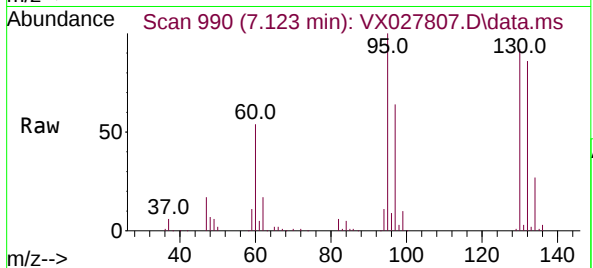
Tgt Ion: 83 Resp: 3023

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 206.4 37.4 56.2#



#42

1,2-Dichloroethane

Concen: 0.343 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX027807.D

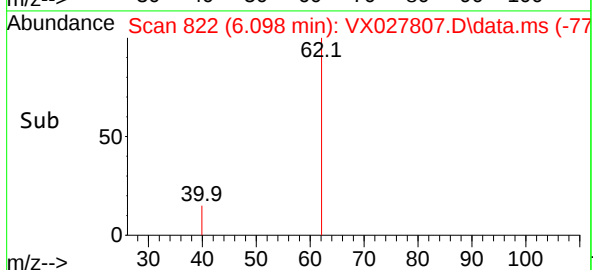
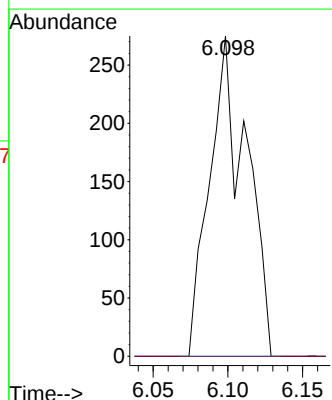
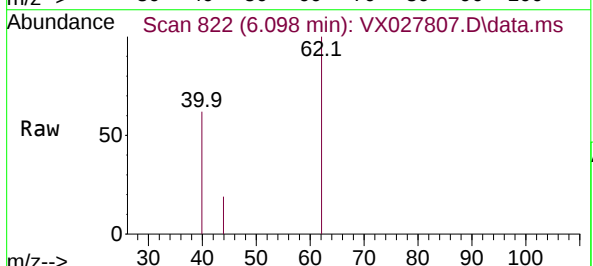
Acq: 30 Mar 2022 13:53

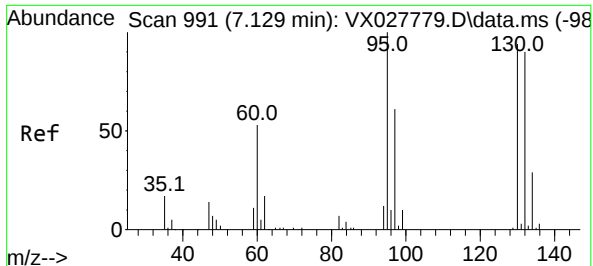
Tgt Ion: 62 Resp: 471

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

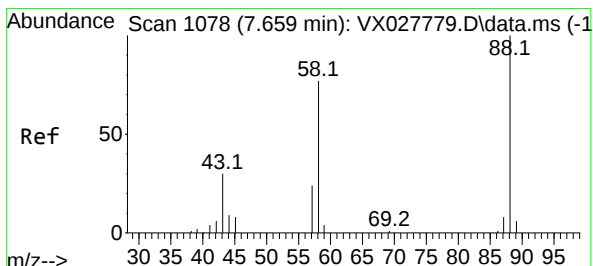
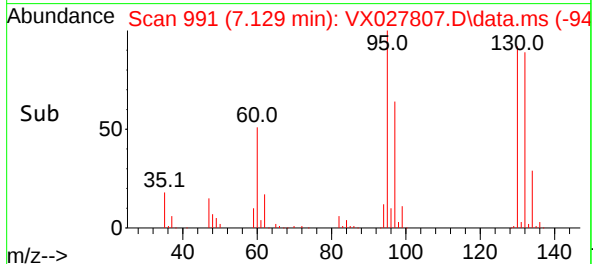
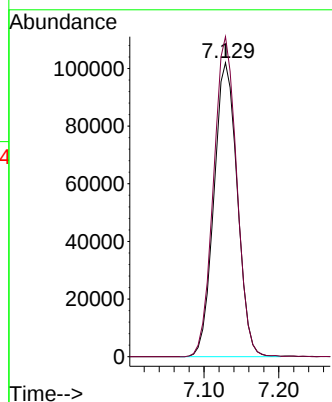
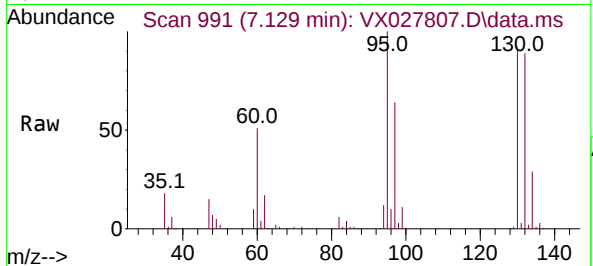




#44
Trichloroethene
Concen: 237.048 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

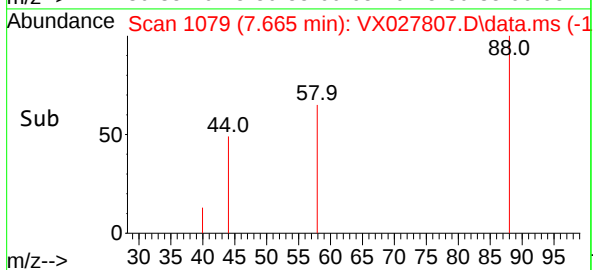
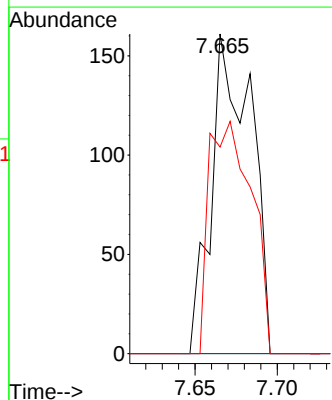
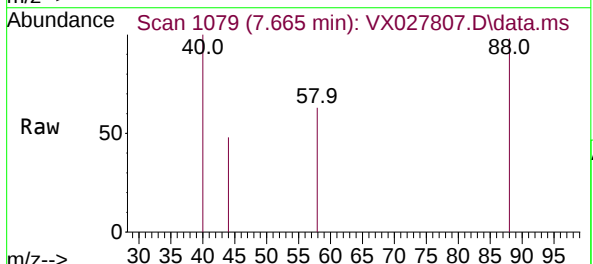
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220317

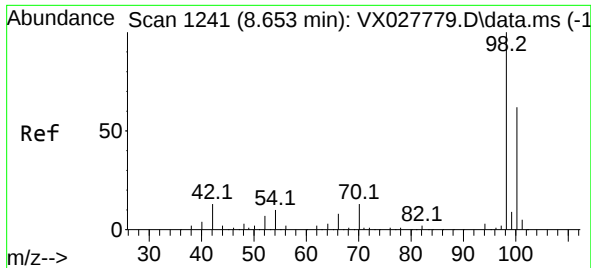
Tgt Ion:130 Resp: 221373
Ion Ratio Lower Upper
130 100
95 108.9 0.0 188.8



#49
1,4-Dioxane
Concen: 11.626 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion: 88 Resp: 271
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 78.2 53.7 80.5

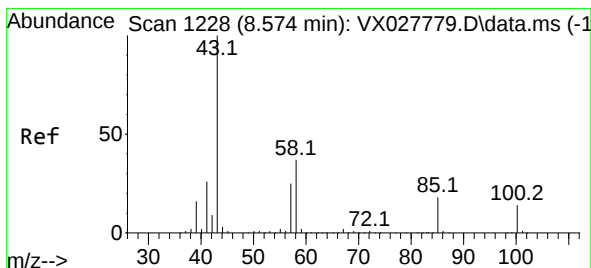
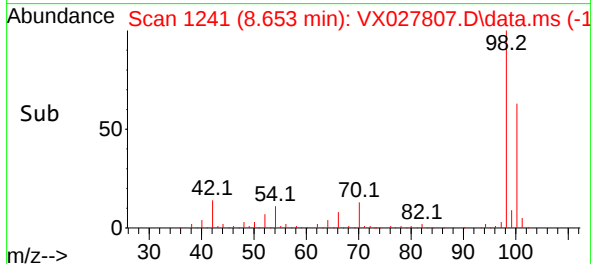
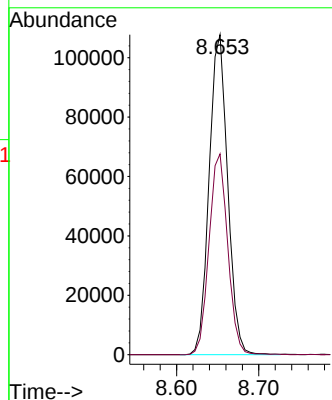
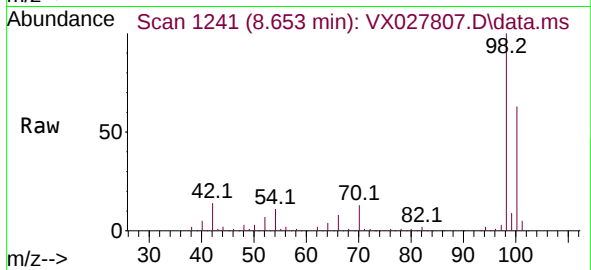




#50
Toluene-d8
Concen: 53.160 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

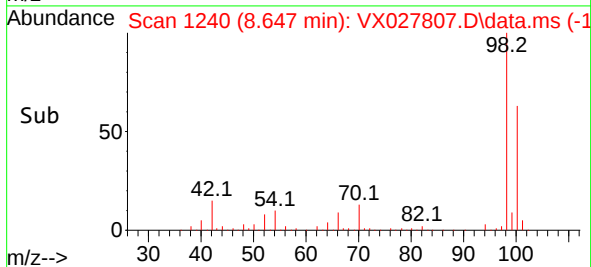
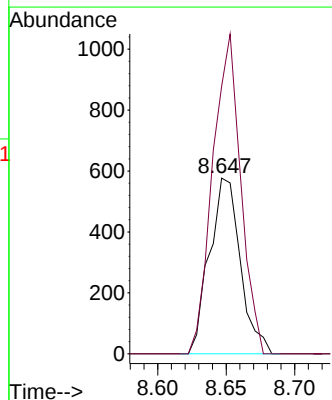
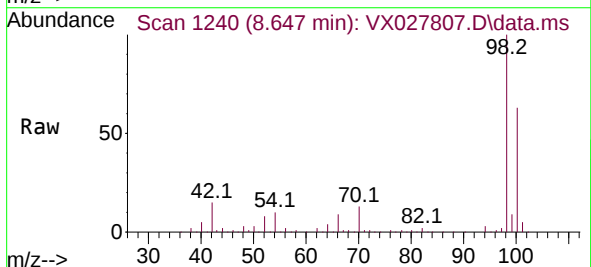
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220317

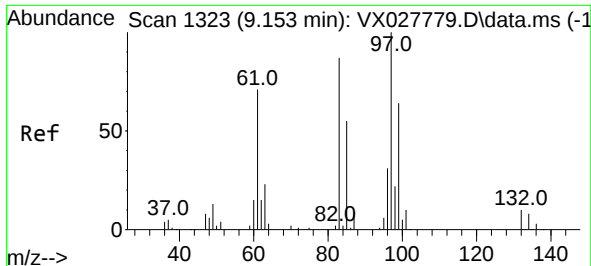
Tgt Ion: 98 Resp: 168395
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.579 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 165.3 36.1 54.1#

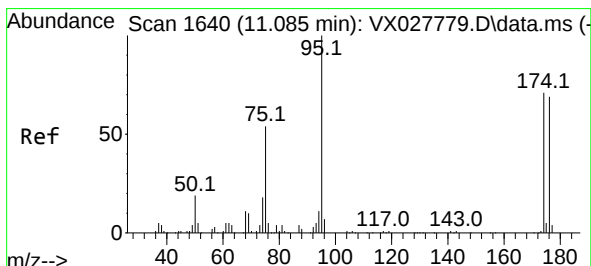
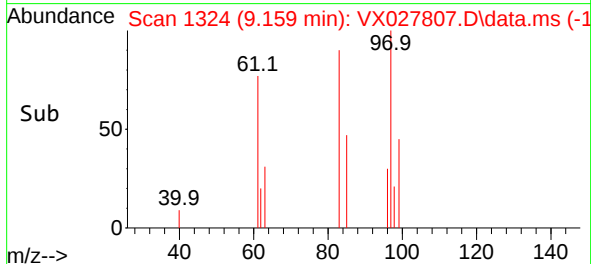
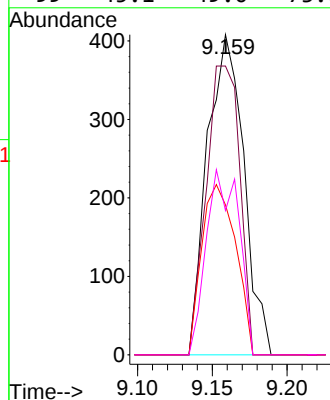
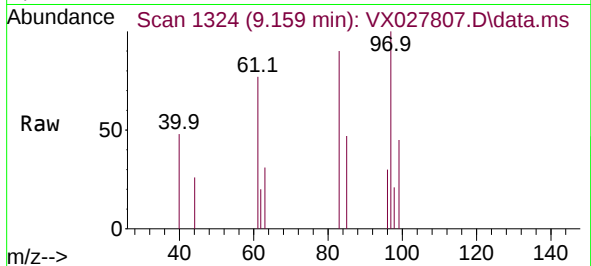




#55
 1,1,2-Trichloroethane
 Concen: 0.721 ug/l
 RT: 9.159 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX027807.D
 Acq: 30 Mar 2022 13:53

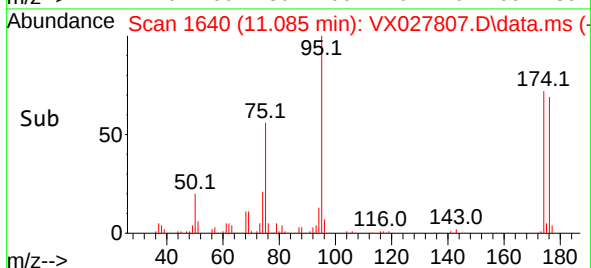
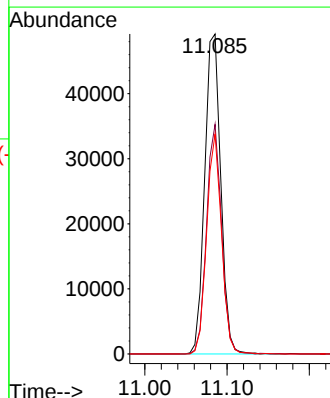
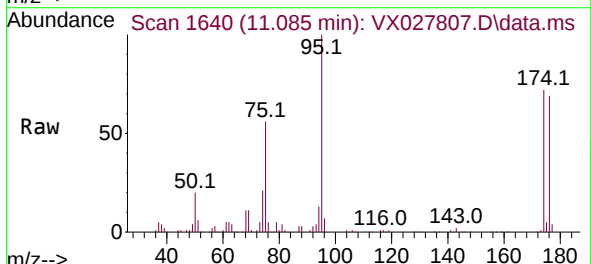
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220317

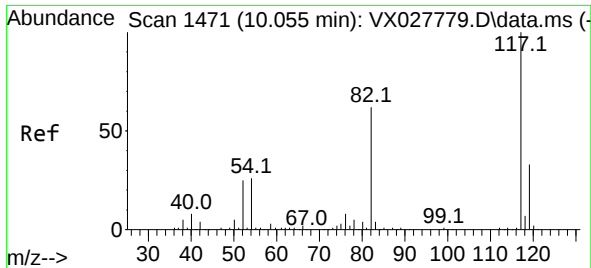
Tgt Ion: 97	Resp: 692
Ion Ratio	Lower Upper
97 100	
83 90.2	66.2 99.4
85 46.8	42.9 64.3
99 45.1	49.0 73.6#



#62
 4-Bromofluorobenzene
 Concen: 49.477 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VX027807.D
 Acq: 30 Mar 2022 13:53

Tgt Ion: 95	Resp: 66604
Ion Ratio	Lower Upper
95 100	
174 67.2	0.0 163.0
176 63.6	0.0 155.0

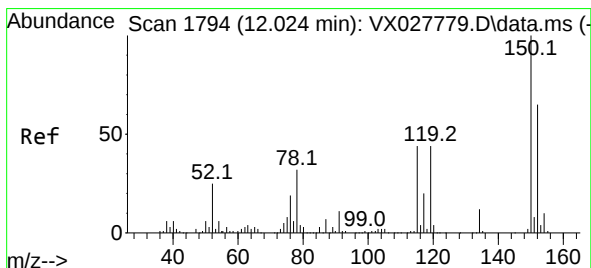
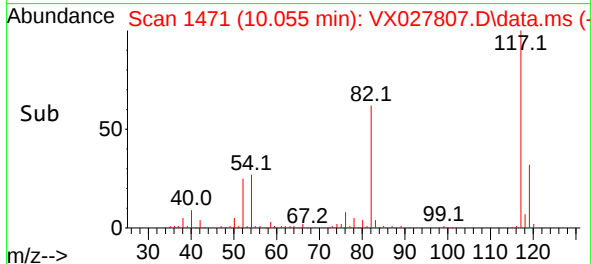
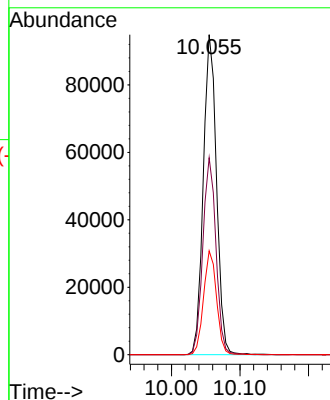
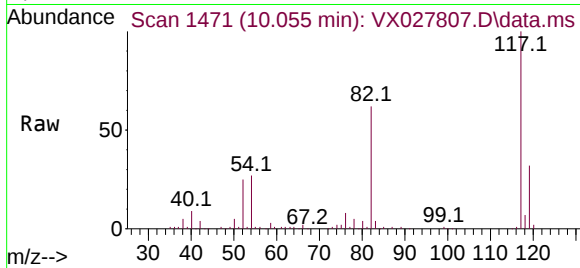




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

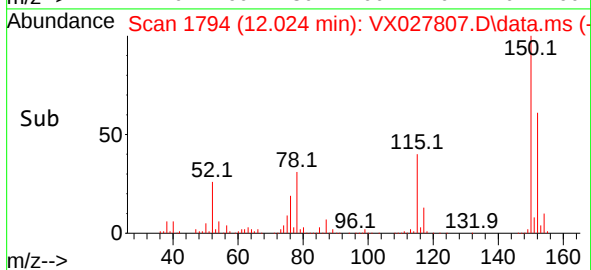
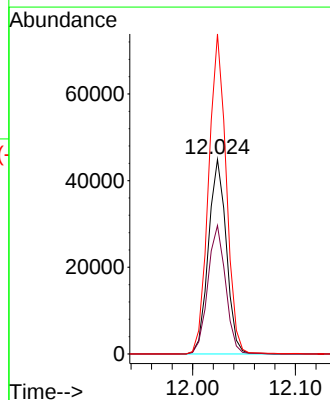
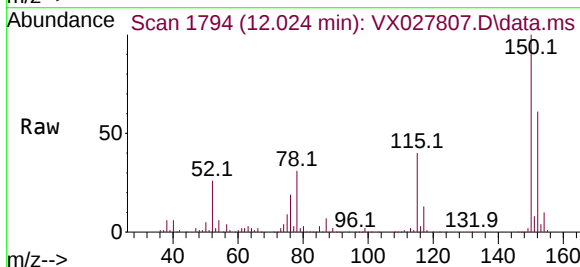
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220317

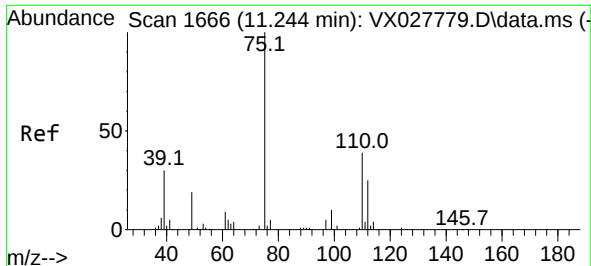
Tgt Ion:117 Resp: 127495
Ion Ratio Lower Upper
117 100
82 61.5 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion:152 Resp: 54304
Ion Ratio Lower Upper
152 100
115 65.6 37.5 112.7
150 161.9 0.0 338.2

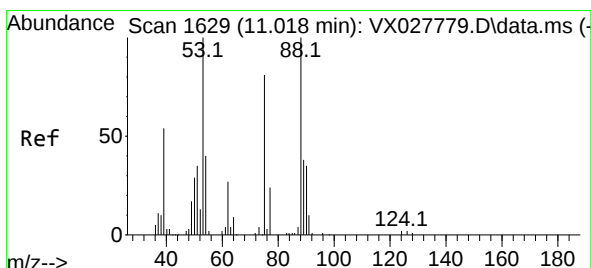
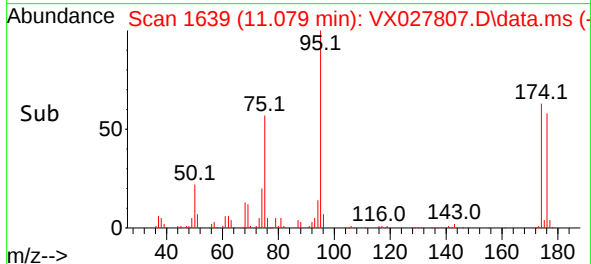
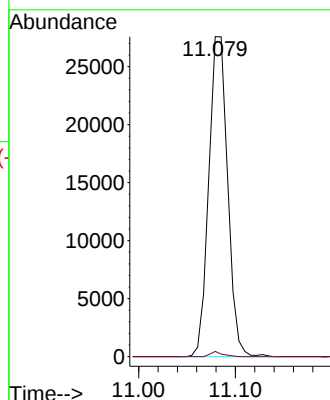
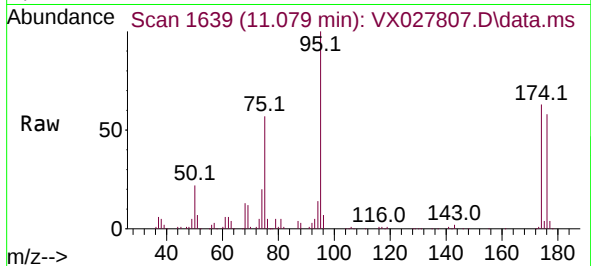




#76
1,2,3-Trichloropropane
Concen: 29.456 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220317

Tgt Ion: 75 Resp: 37524
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027807.D
Acq: 30 Mar 2022 13:53

Tgt Ion: 75 Resp: 37524
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

