

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090822\
 Data File : VX031220.D
 Acq On : 08 Sep 2022 18:37
 Operator : JC/MD
 Sample : N4490-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14-B-SP

Quant Time: Sep 08 19:01:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

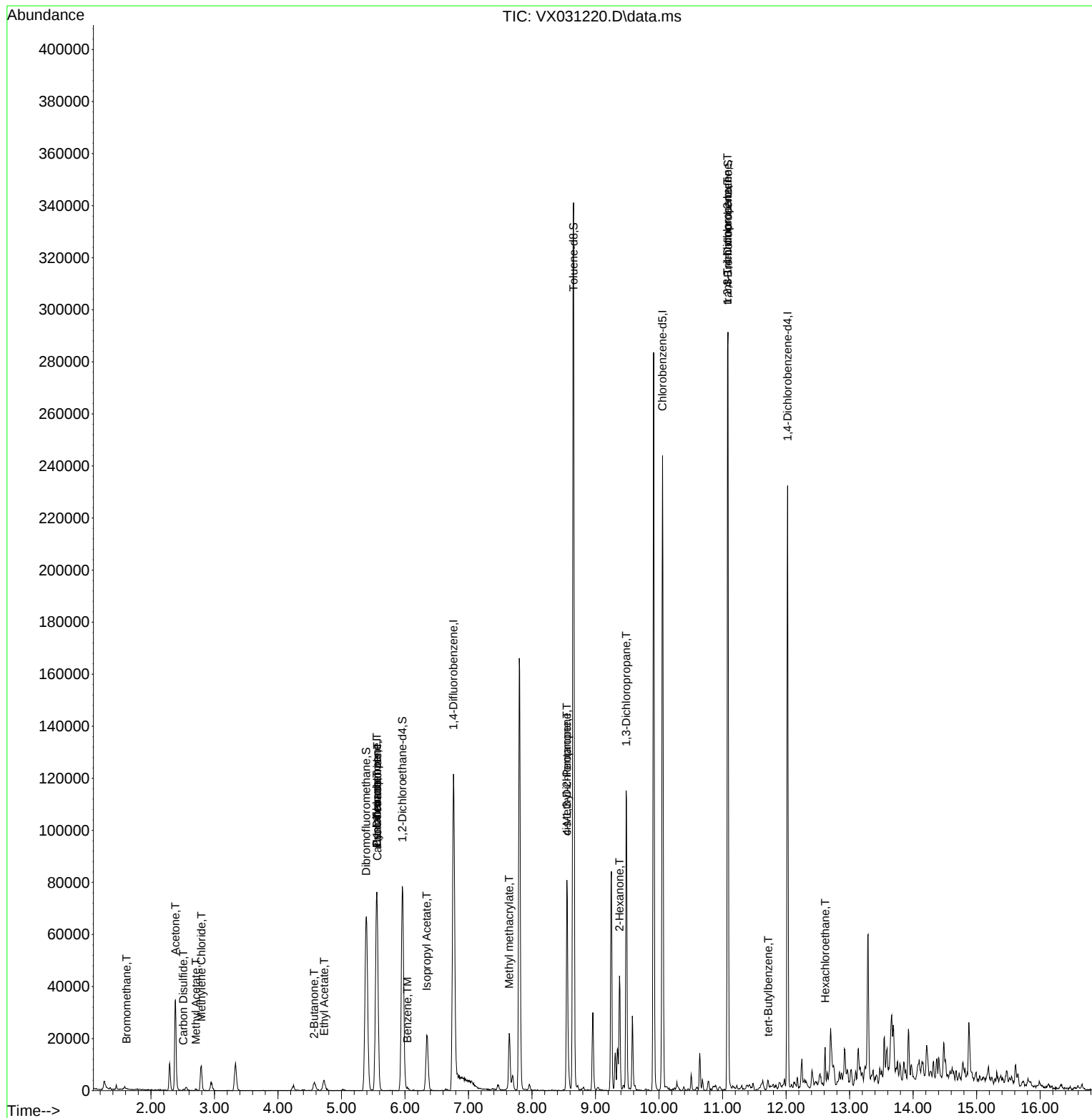
Internal Standards						
1) Pentafluorobenzene	5.556	168	61637	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	111388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87011	59.626	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.260%
35) Dibromofluoromethane	5.385	113	59519	49.034	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.060%
50) Toluene-d8	8.653	98	204213	46.306	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.620%
62) 4-Bromofluorobenzene	11.085	95	80214	49.632	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.260%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	133	0.232	ug/l	# 50
11) Tert butyl alcohol	2.947	59	2354	Below Cal	#	74
16) Acetone	2.386	43	37675	74.563	ug/l	# 86
17) Carbon Disulfide	2.508	76	681	0.266	ug/l	# 74
18) Methyl Acetate	2.709	43	671	0.513	ug/l	# 64
20) Methylene Chloride	2.794	84	4684	3.944	ug/l	86
25) 2-Butanone	4.568	43	4603	6.150	ug/l	100
31) Cyclohexane	5.556	56	1589	0.974	ug/l	# 7
36) 1,1-Dichloropropene	5.556	75	6135	3.375	ug/l	# 49
37) Ethyl Acetate	4.727	43	6785	4.207	ug/l	# 94
38) Carbon Tetrachloride	5.562	117	7920	4.141	ug/l	# 17
40) Benzene	6.038	78	1334	0.270	ug/l	94
43) Isopropyl Acetate	6.342	43	27940	10.989	ug/l	97
48) Methyl methacrylate	7.641	41	605	0.489	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	29298	18.818	ug/l	# 53
54) cis-1,3-Dichloropropene	8.549	75	13587	6.490	ug/l	# 62
57) 1,3-Dichloropropane	9.482	76	1039	0.449	ug/l	# 42
59) 2-Hexanone	9.378	43	27997	23.779	ug/l	# 24
76) 1,2,3-Trichloropropane	11.079	75	45028	39.165	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	45028	126.304	ug/l	# 13
83) tert-Butylbenzene	11.719	119	1254	0.414	ug/l	77
90) Hexachloroethane	12.616	117	808	1.550	ug/l	# 16

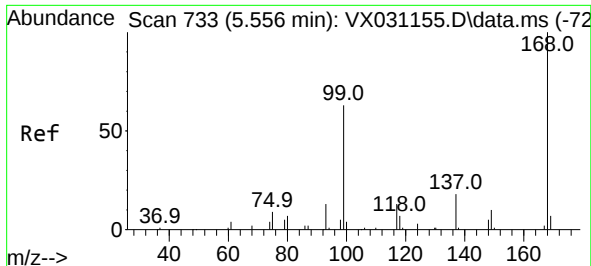
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





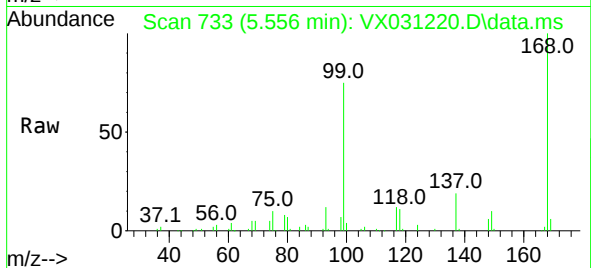
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Instrument :

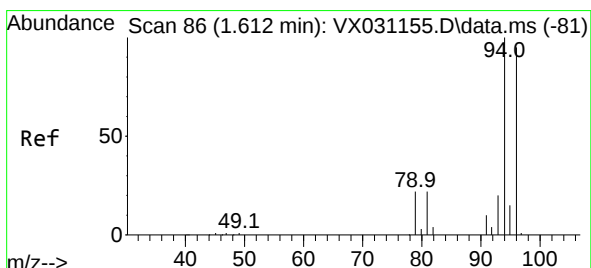
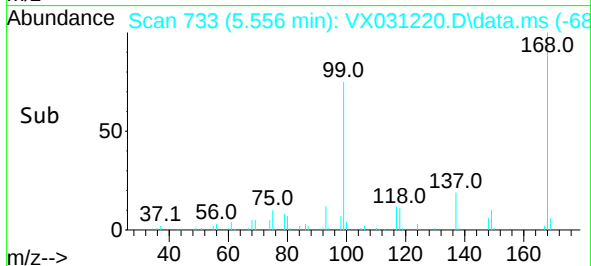
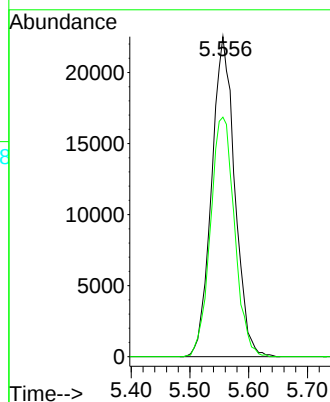
MSVOA_X

ClientSampleId :

WC-14-B-SP

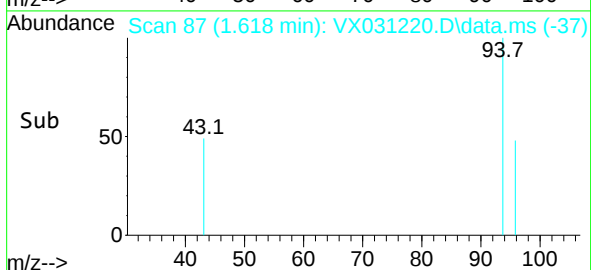
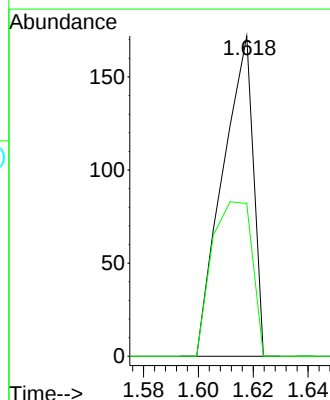
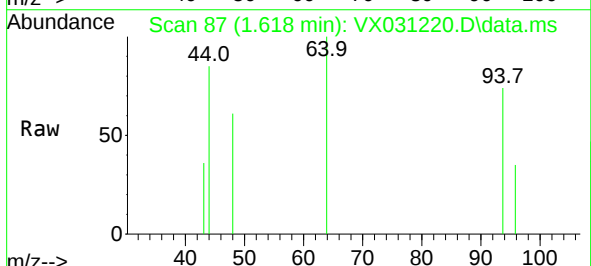


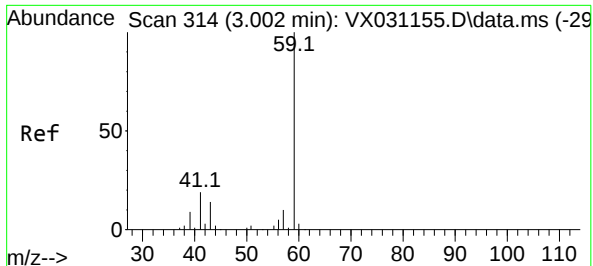
Tgt Ion:168 Resp: 61637
Ion Ratio Lower Upper
168 100
99 74.8 44.0 66.0#



#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 47.7 76.9 115.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX031220.D

Acq: 08 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

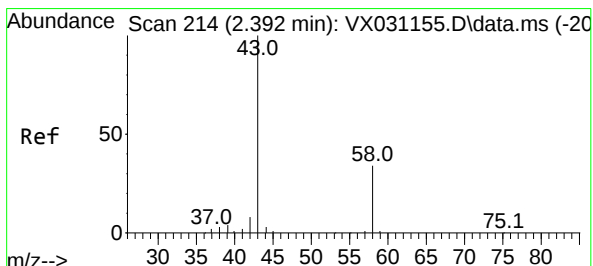
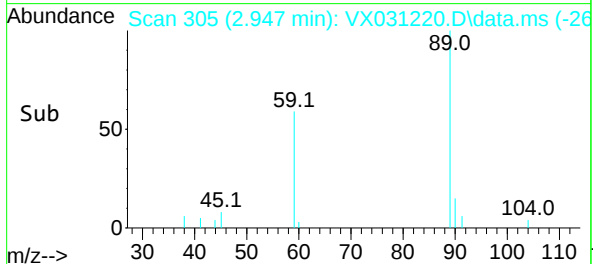
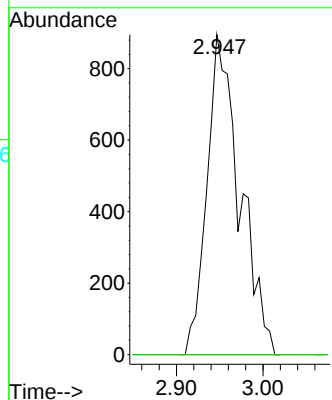
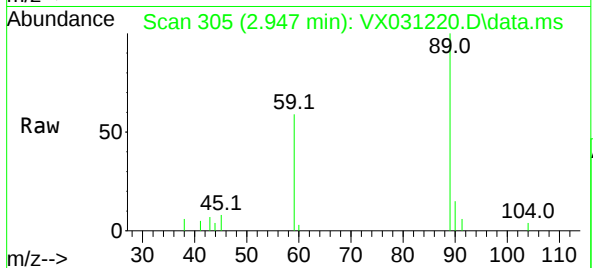
WC-14-B-SP

Tgt Ion: 59 Resp: 2354

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 74.563 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX031220.D

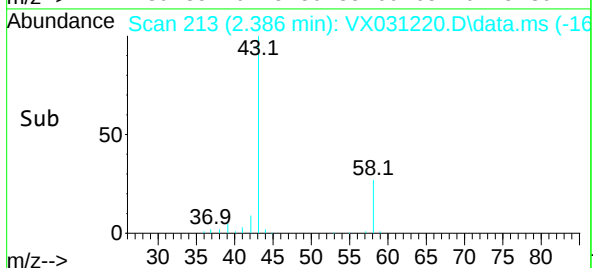
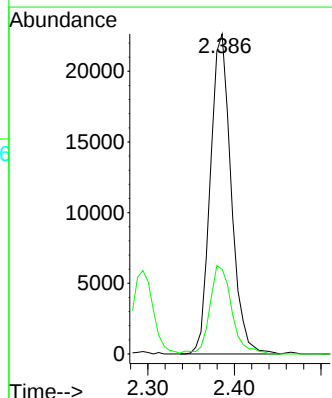
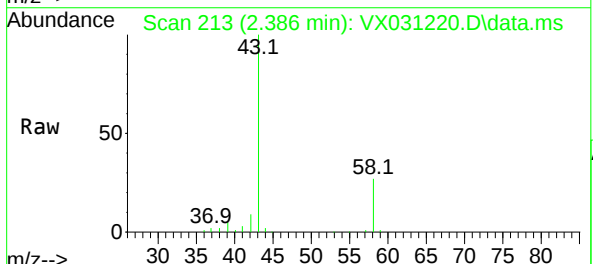
Acq: 08 Sep 2022 18:37

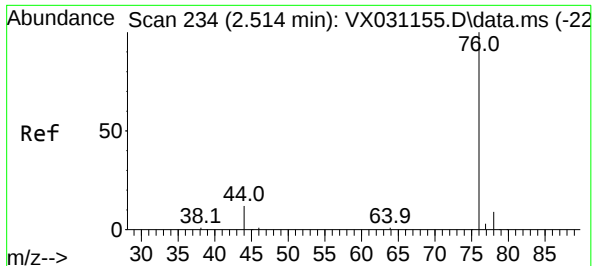
Tgt Ion: 43 Resp: 37675

Ion Ratio Lower Upper

43 100

58 26.5 27.7 41.5#

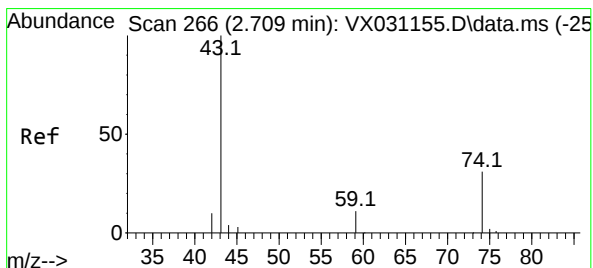
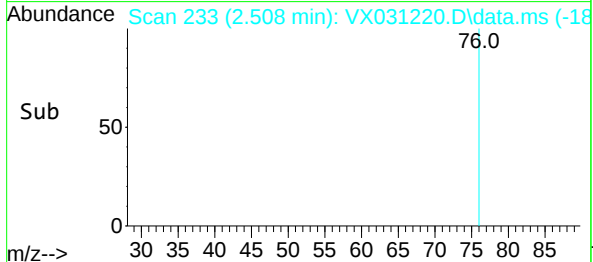
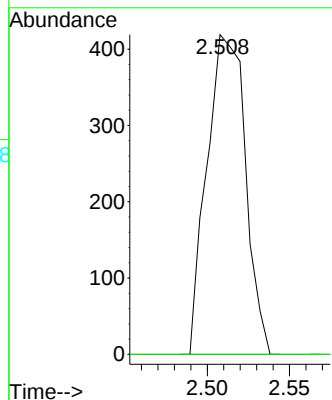
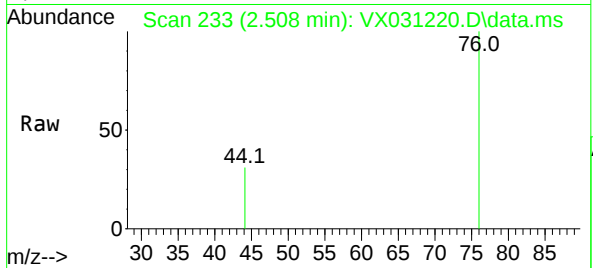




#17
Carbon Disulfide
Concen: 0.266 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

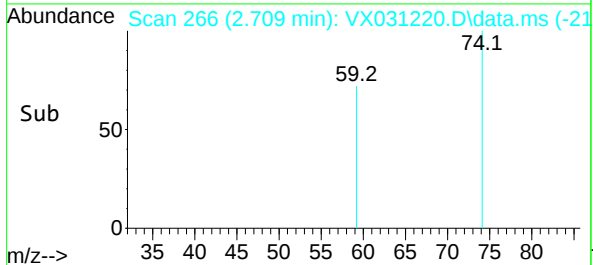
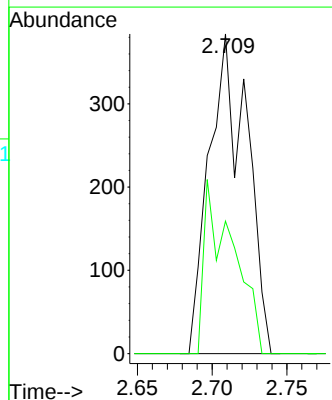
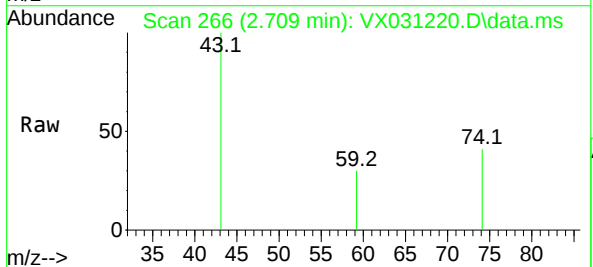
Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

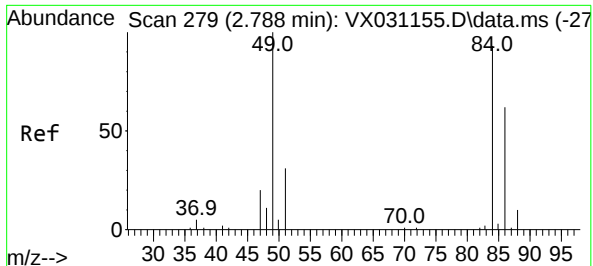
Tgt Ion: 76 Resp: 681
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: 0.513 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
74 42.0 19.4 29.2#





#20

Methylene Chloride

Concen: 3.944 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031220.D

Acq: 08 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

WC-14-B-SP

Tgt Ion: 84 Resp: 4684

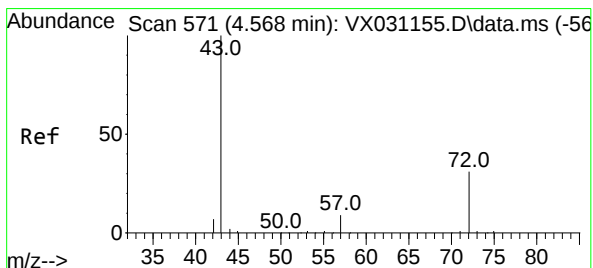
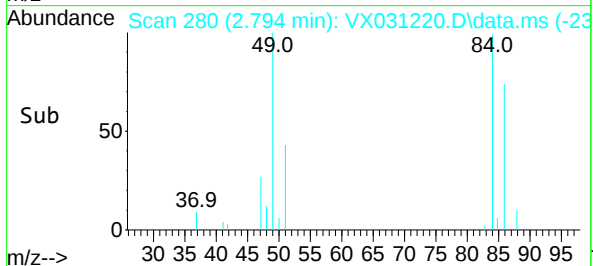
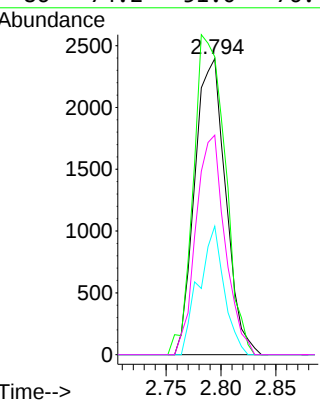
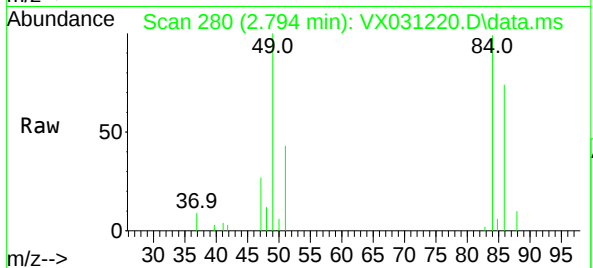
Ion Ratio Lower Upper

84 100

49 100.6 93.8 140.6

51 43.4 29.4 44.0

86 74.2 51.0 76.4



#25

2-Butanone

Concen: 6.150 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX031220.D

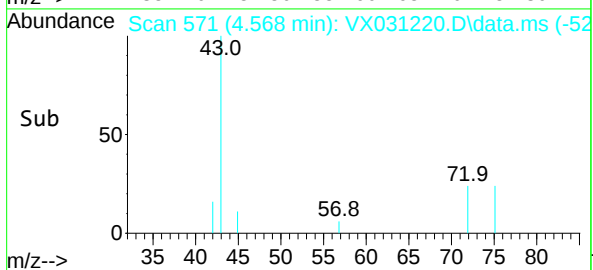
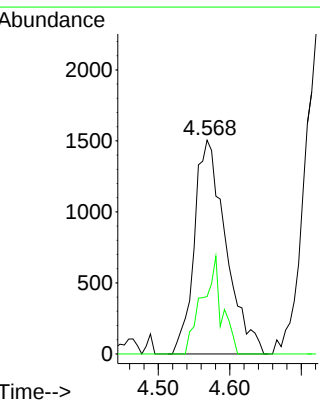
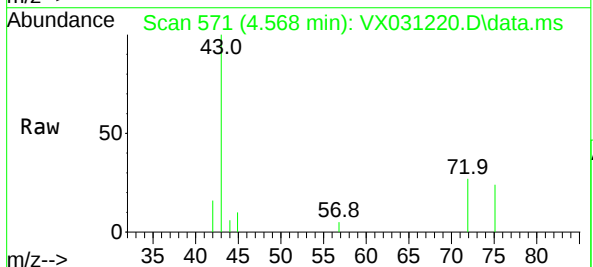
Acq: 08 Sep 2022 18:37

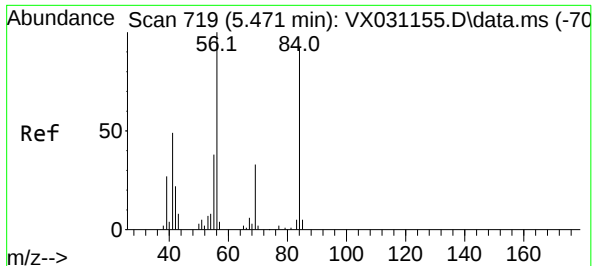
Tgt Ion: 43 Resp: 4603

Ion Ratio Lower Upper

43 100

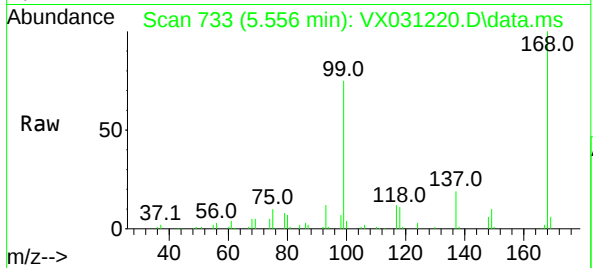
72 26.8 21.7 32.5



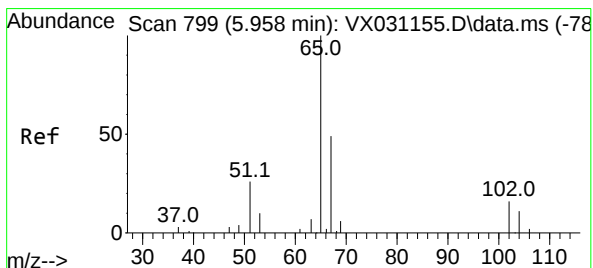
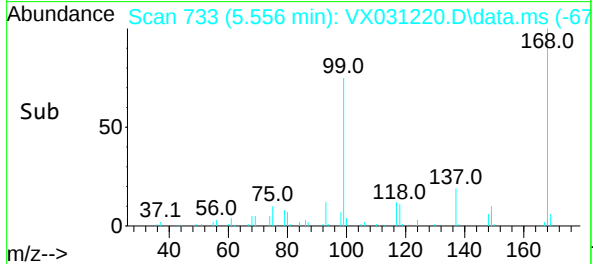
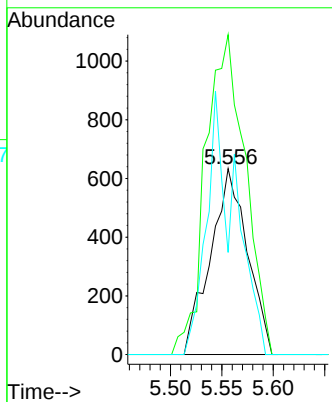


#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

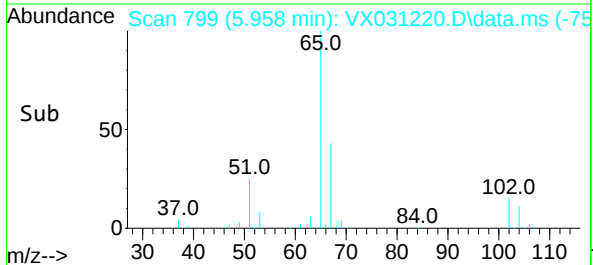
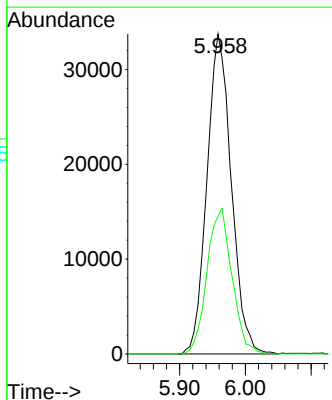
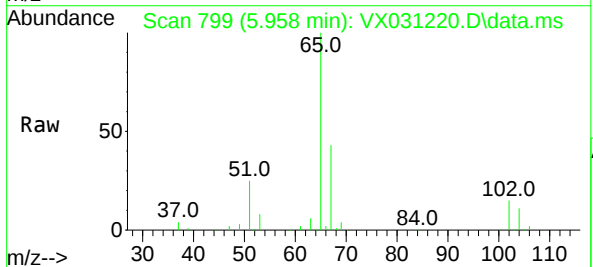


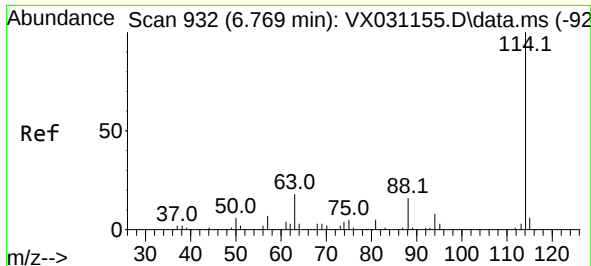
Tgt Ion: 56 Resp: 1589
Ion Ratio Lower Upper
56 100
69 171.9 25.4 38.0#
84 54.9 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 59.626 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 65 Resp: 87011
Ion Ratio Lower Upper
65 100
67 46.5 0.0 109.6

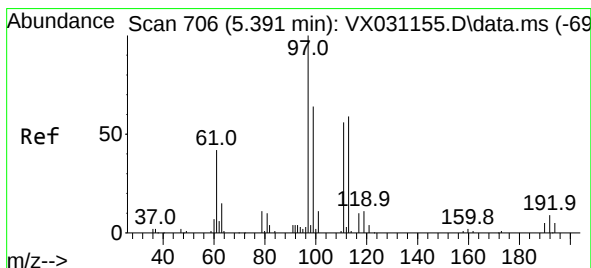
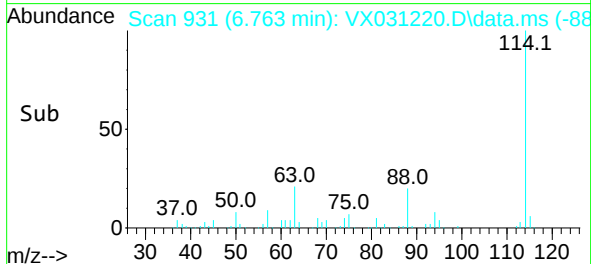
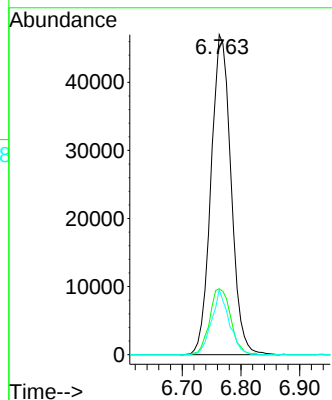
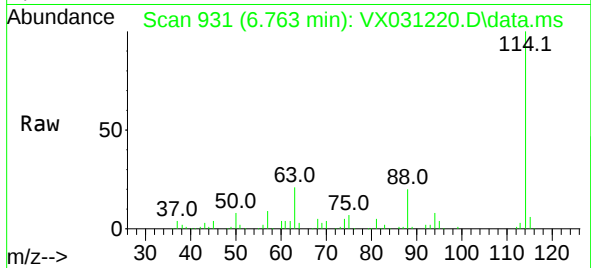




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

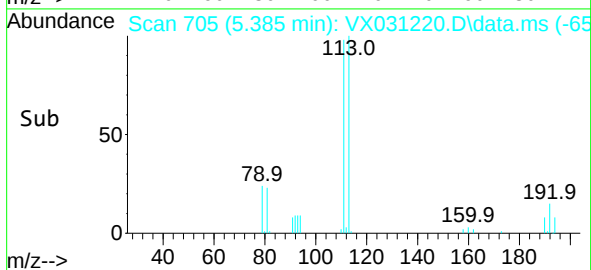
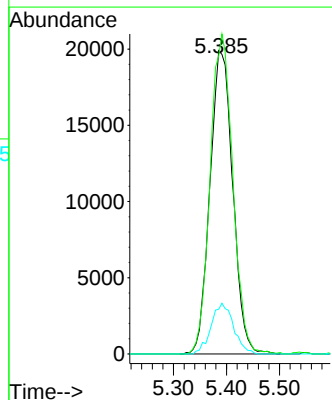
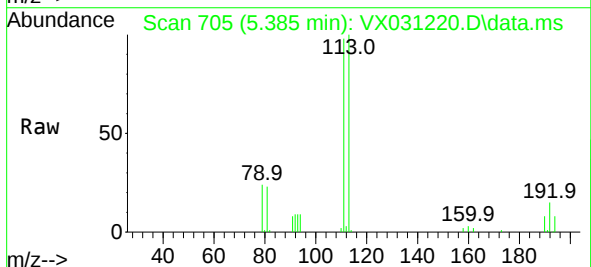
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MSVOA_X
ClientSampleId :
WC-14-B-SP

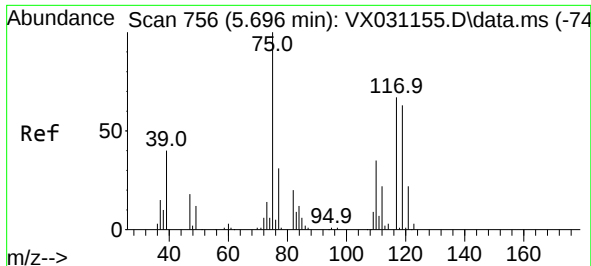
Tgt Ion:114 Resp: 111388
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.4
88 20.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.034 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion:113 Resp: 59519
Ion Ratio Lower Upper
113 100
111 104.8 83.2 124.8
192 16.4 14.8 22.2

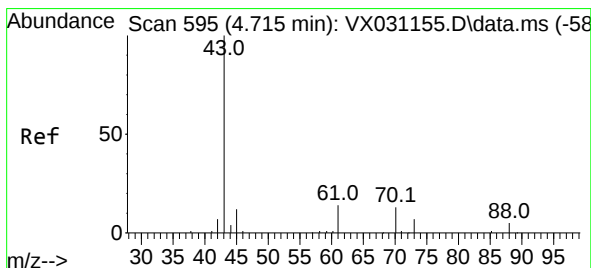
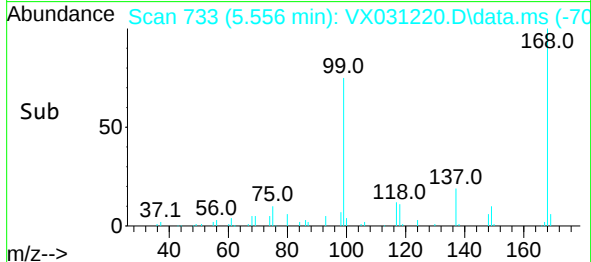
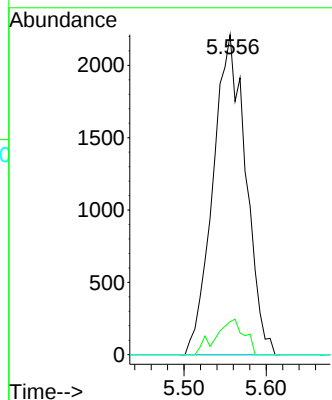
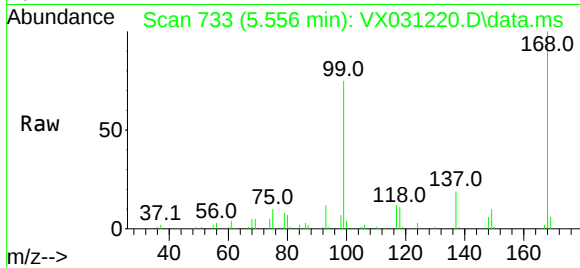




#36
1,1-Dichloropropene
Concen: 3.375 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

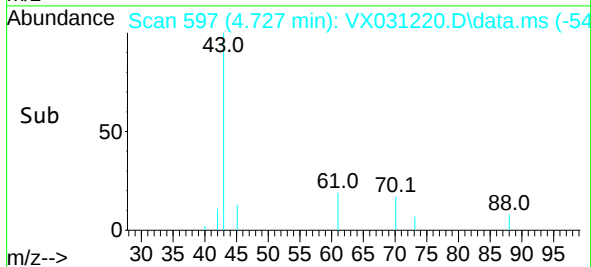
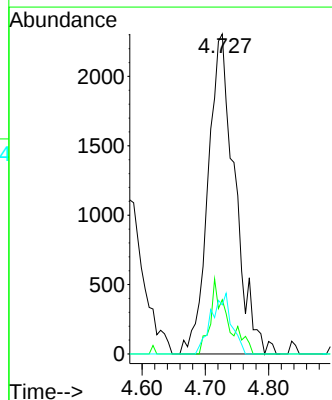
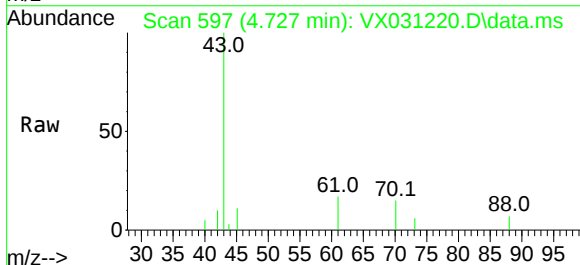
Instrument :
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WC-14-B-SP

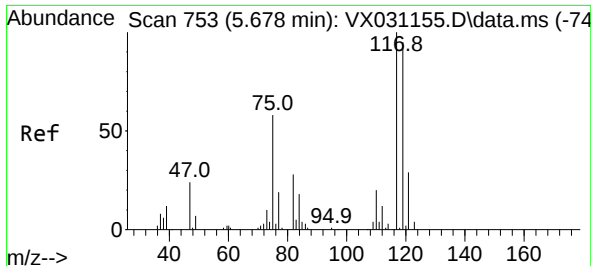
Tgt Ion: 75 Resp: 6135
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.207 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

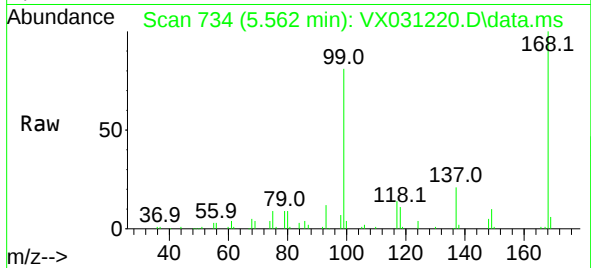
Tgt Ion: 43 Resp: 6785
Ion Ratio Lower Upper
43 100
61 12.5 11.7 17.5
70 14.4 9.3 13.9#



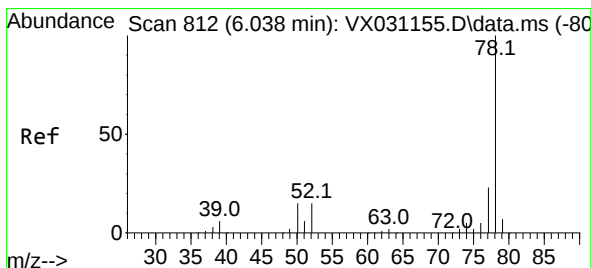
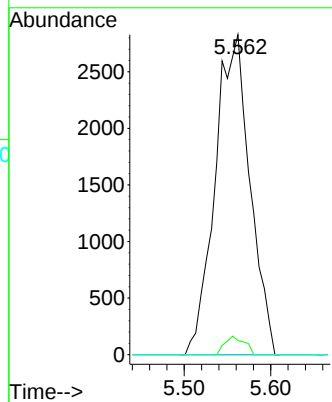
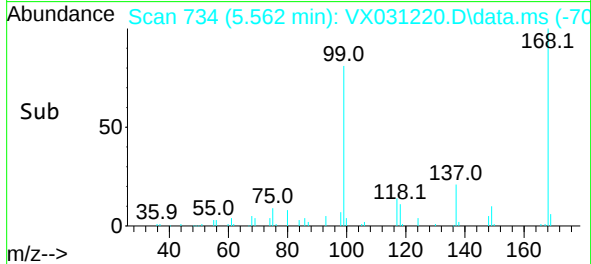


#38
Carbon Tetrachloride
Concen: 4.141 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

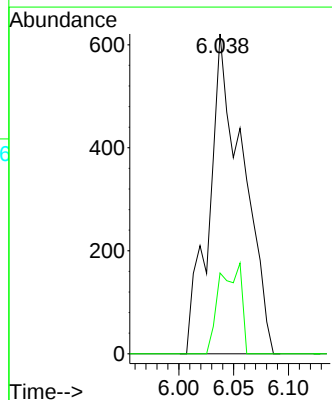
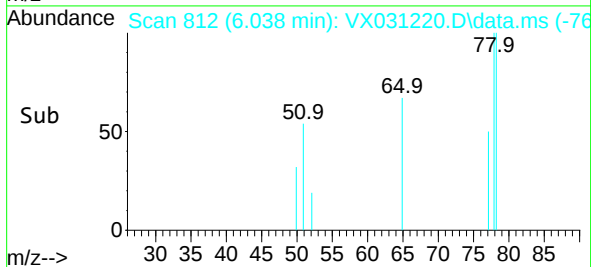
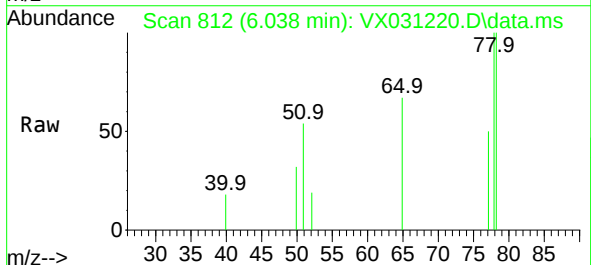


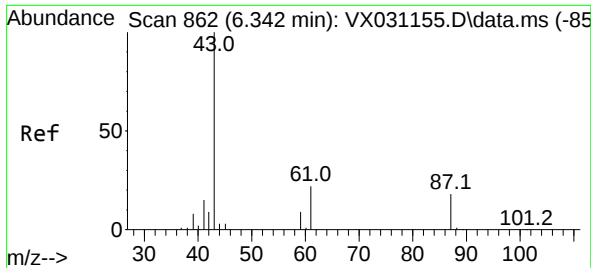
Tgt Ion:117 Resp: 7920
Ion Ratio Lower Upper
117 100
119 4.4 74.1 111.1#
121 0.0 25.8 38.8#



#40
Benzene
Concen: 0.270 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 78 Resp: 1334
Ion Ratio Lower Upper
78 100
77 25.3 18.0 27.0

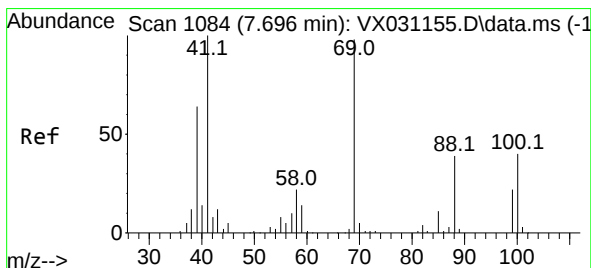
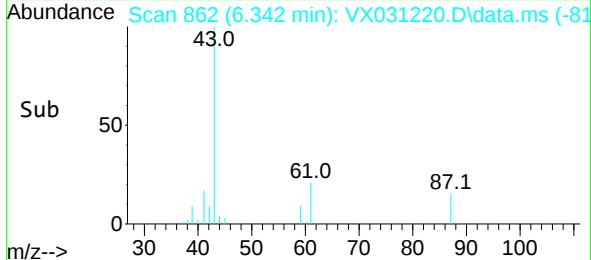
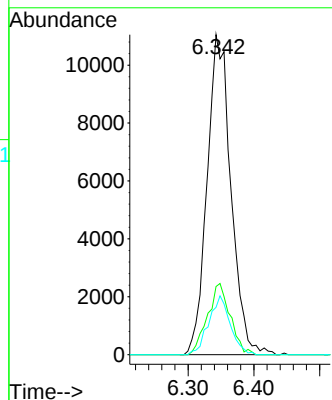
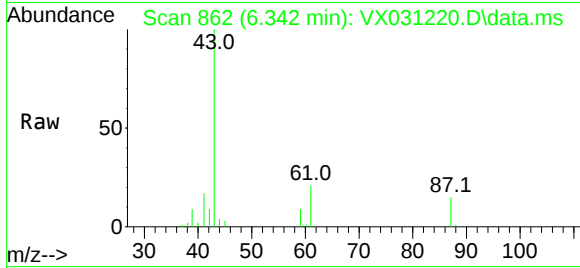




#43
Isopropyl Acetate
Concen: 10.989 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

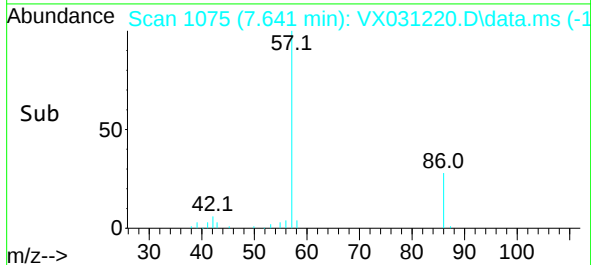
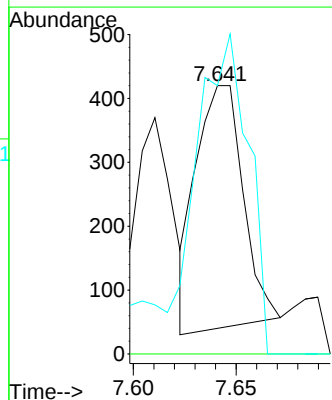
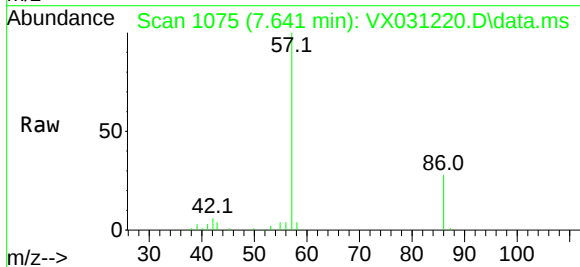
Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

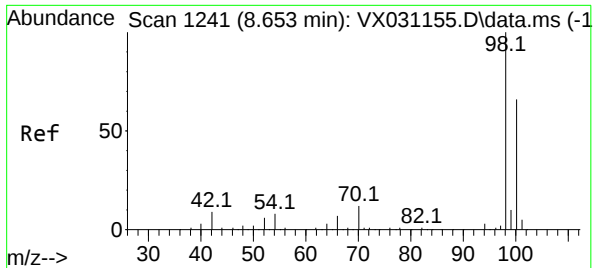
Tgt Ion: 43 Resp: 27940
Ion Ratio Lower Upper
43 100
61 21.2 16.5 24.7
87 16.5 11.1 16.7



#48
Methyl methacrylate
Concen: 0.489 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.055 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 41 Resp: 605
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 144.0 44.6 66.8#

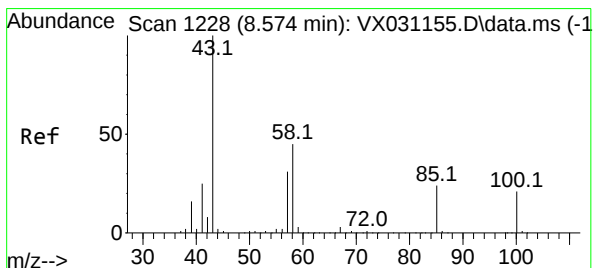
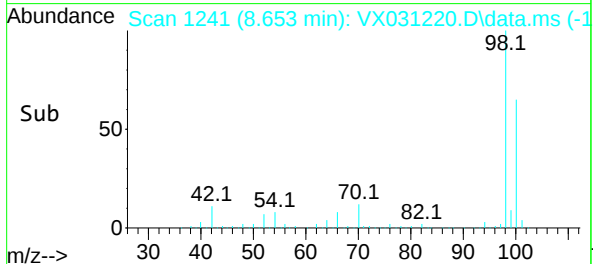
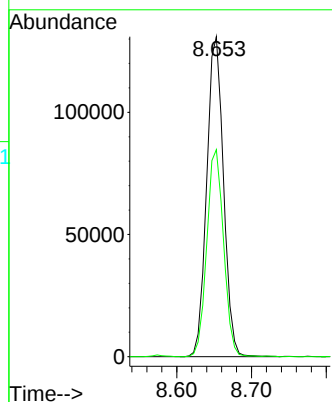
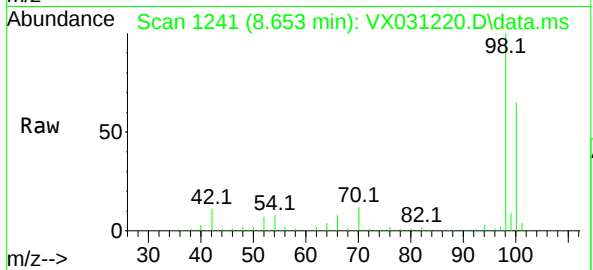




#50
Toluene-d8
Concen: 46.306 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

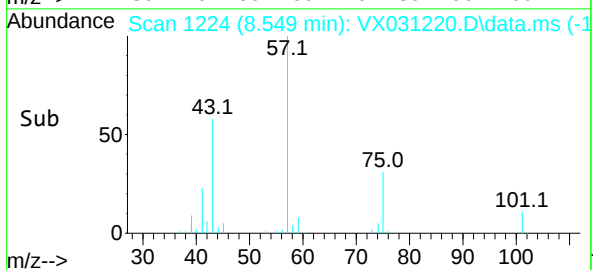
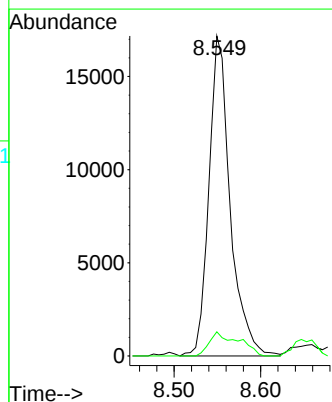
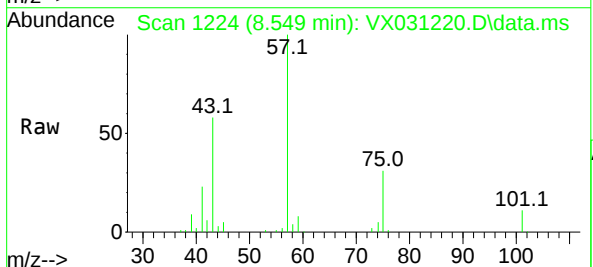
Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

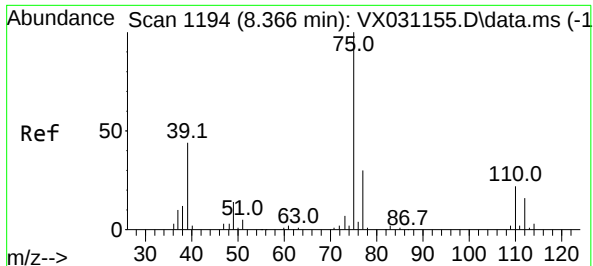
Tgt Ion: 98 Resp: 204213
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 18.818 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 43 Resp: 29298
Ion Ratio Lower Upper
43 100
58 10.4 31.4 47.2#

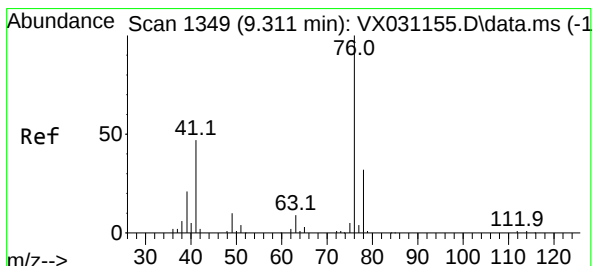
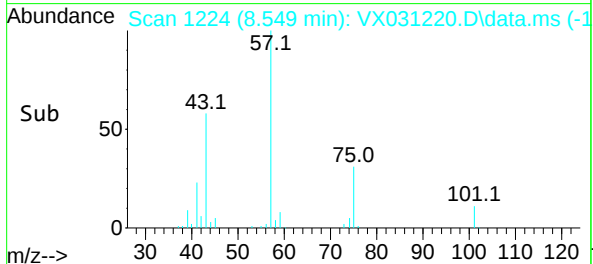
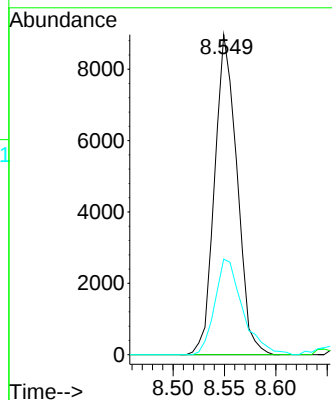
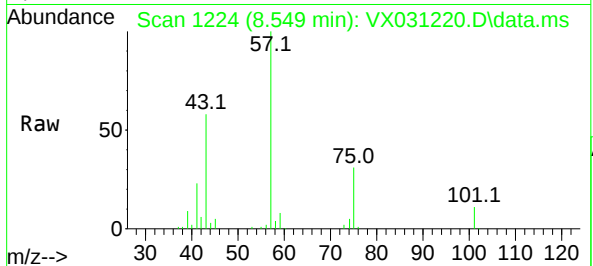




#54
cis-1,3-Dichloropropene
Concen: 6.490 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

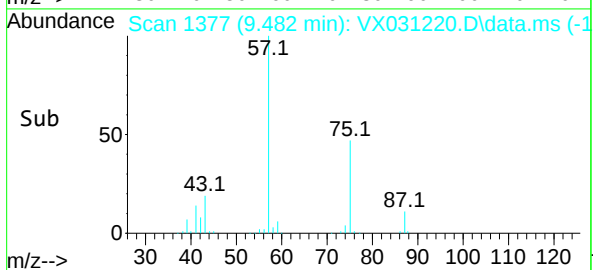
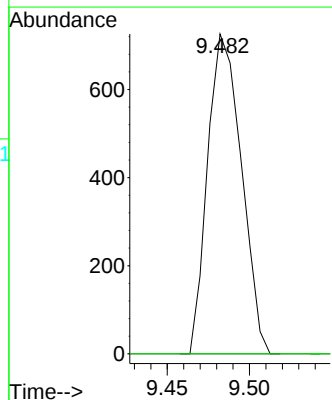
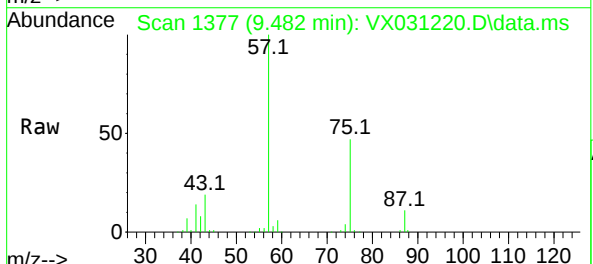
Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

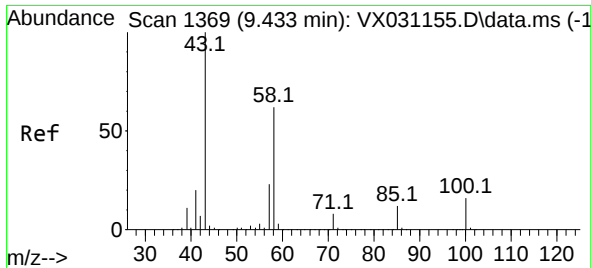
Tgt Ion: 75 Resp: 13587
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 29.8 37.5 56.3#



#57
1,3-Dichloropropane
Concen: 0.449 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 76 Resp: 1039
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 23.779 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX031220.D

Acq: 08 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

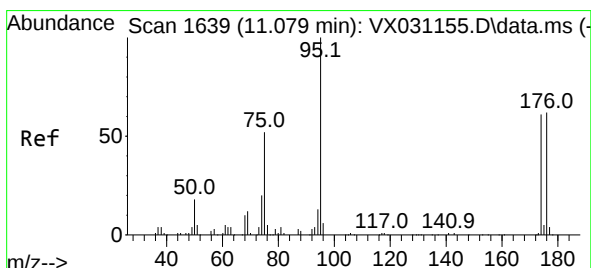
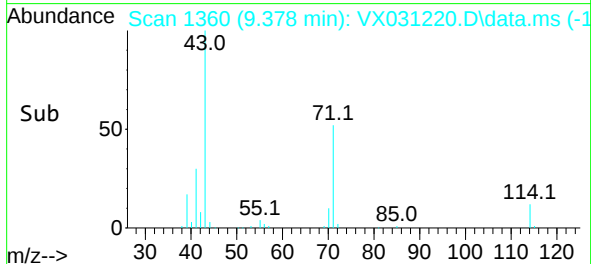
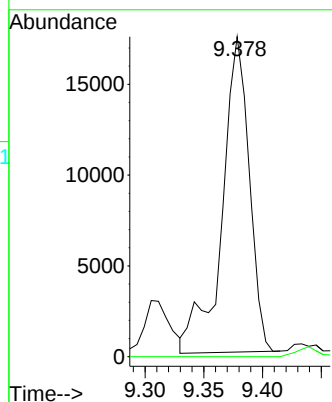
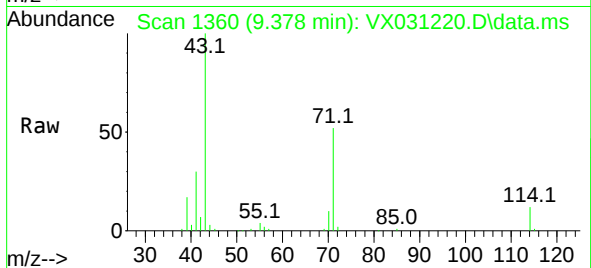
WC-14-B-SP

Tgt Ion: 43 Resp: 27997

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 49.632 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX031220.D

Acq: 08 Sep 2022 18:37

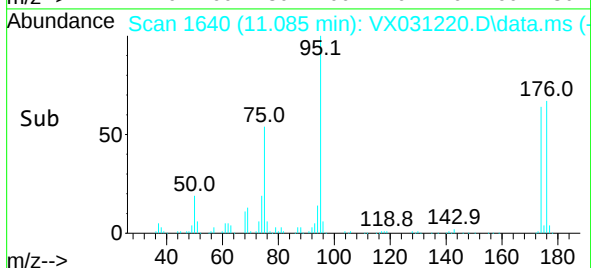
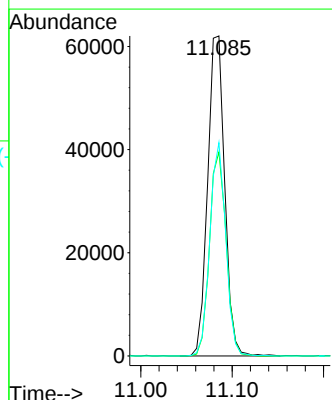
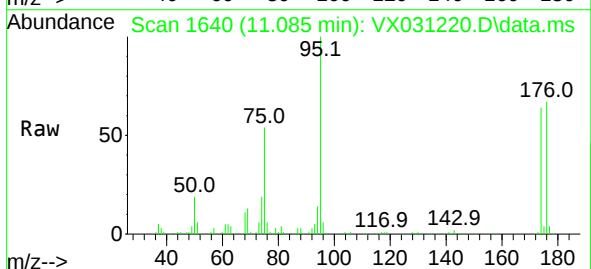
Tgt Ion: 95 Resp: 80214

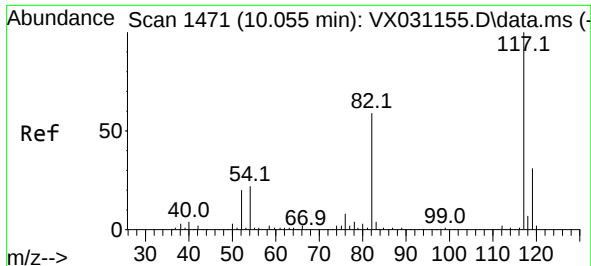
Ion Ratio Lower Upper

95 100

174 61.8 0.0 149.0

176 62.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX031220.D

Acq: 08 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

WC-14-B-SP

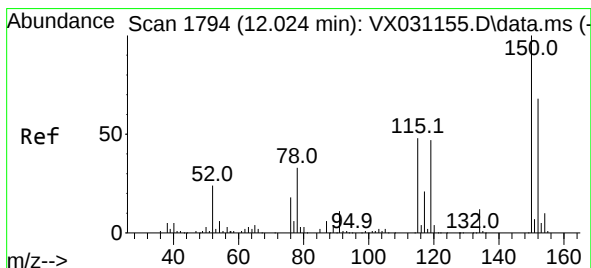
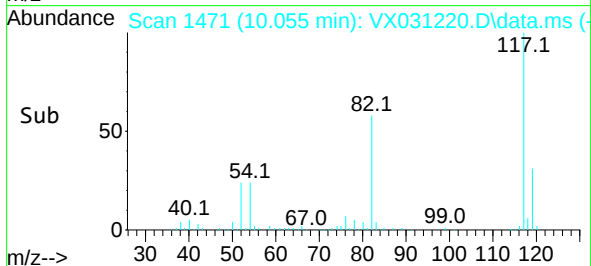
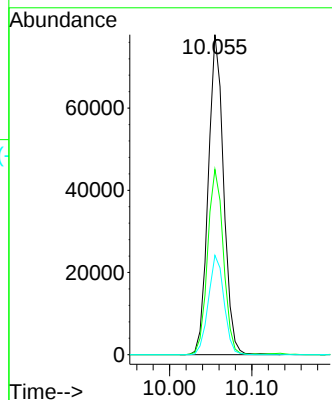
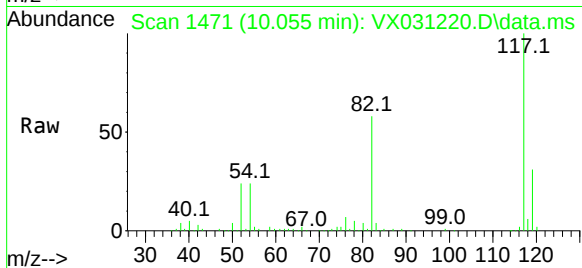
Tgt Ion:117 Resp: 100857

Ion Ratio Lower Upper

117 100

82 57.9 42.7 64.1

119 31.0 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031220.D

Acq: 08 Sep 2022 18:37

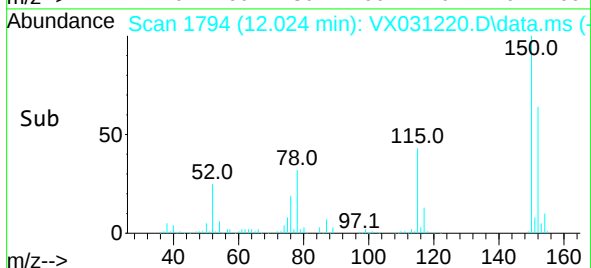
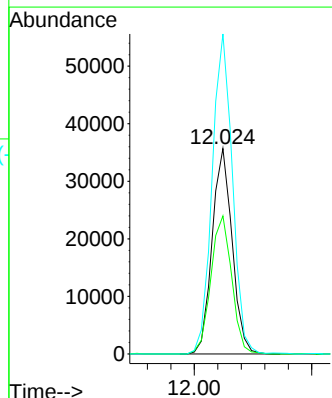
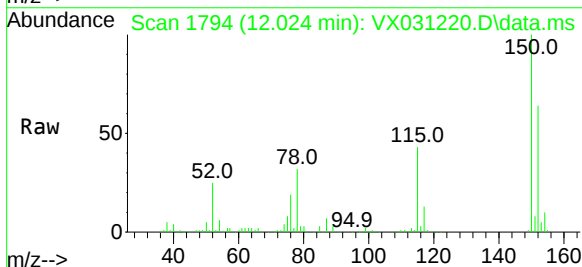
Tgt Ion:152 Resp: 42126

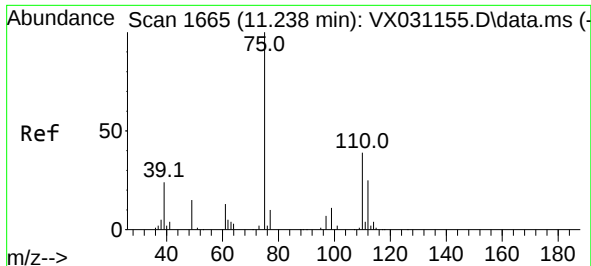
Ion Ratio Lower Upper

152 100

115 70.1 40.5 121.5

150 157.8 0.0 347.0

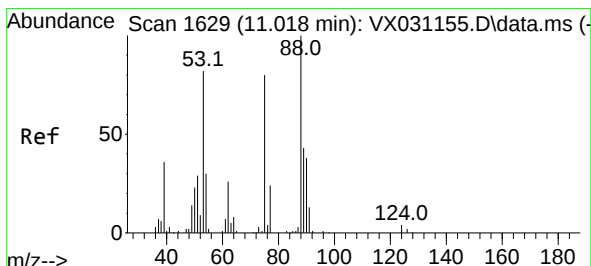
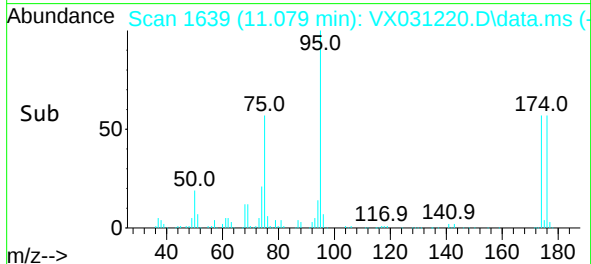
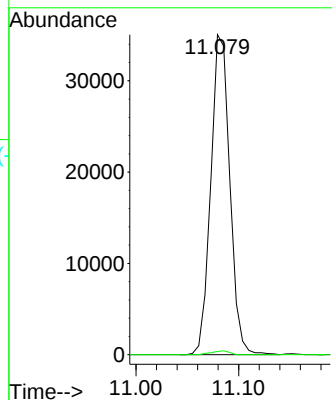
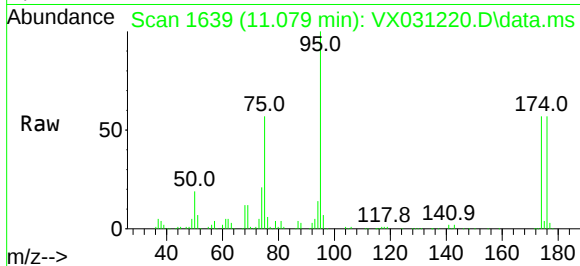




#76
1,2,3-Trichloropropane
Concen: 39.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

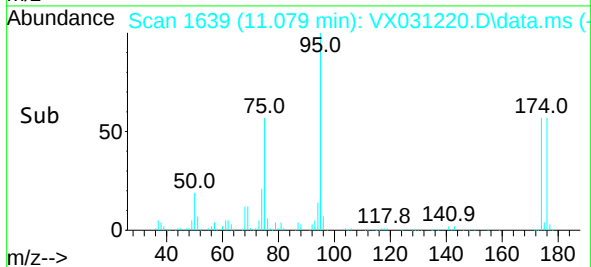
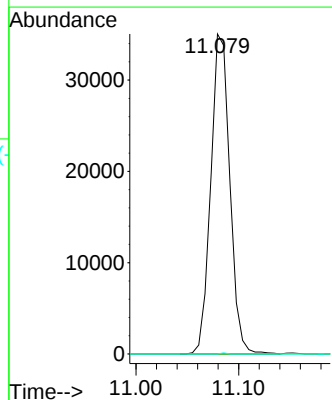
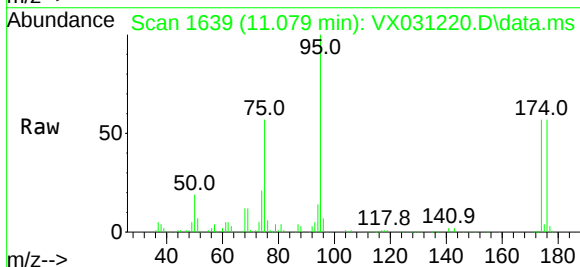
Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

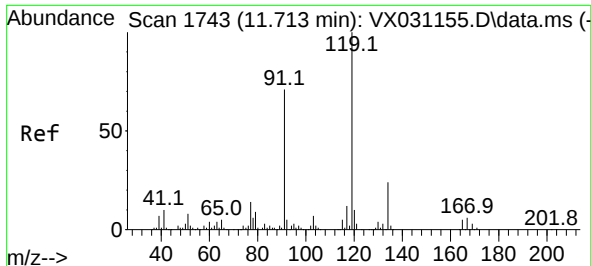
Tgt Ion: 75 Resp: 45028
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.304 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion: 75 Resp: 45028
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#

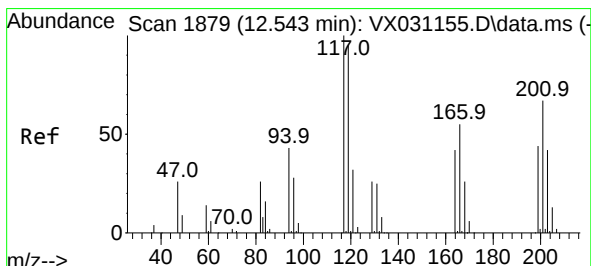
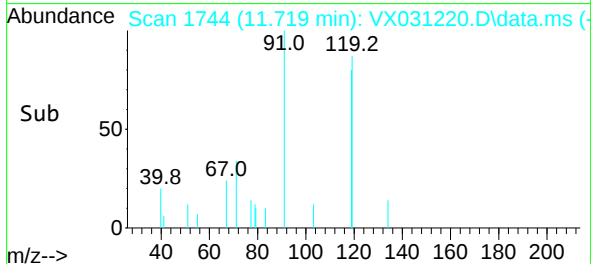
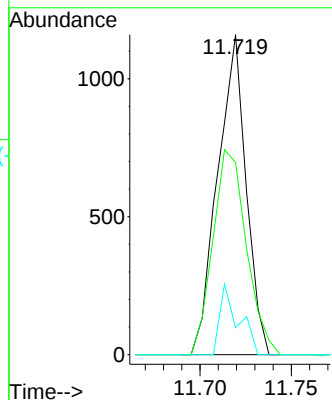
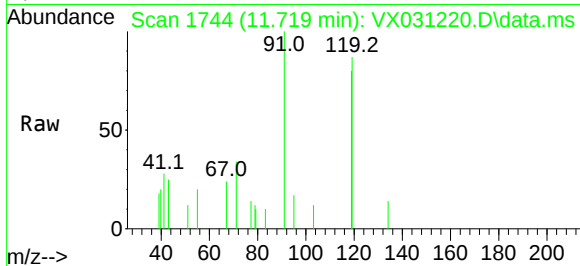




#83
tert-Butylbenzene
Concen: 0.414 ug/l
RT: 11.719 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Instrument :
MSVOA_X
ClientSampleId :
WC-14-B-SP

Tgt Ion:119	Resp:	1254
Ion	Ratio	Lower Upper
119	100	
91	75.5	28.3 84.9
134	14.4	11.2 33.5



#90
Hexachloroethane
Concen: 1.550 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.073 min
Lab File: VX031220.D
Acq: 08 Sep 2022 18:37

Tgt Ion:117	Resp:	808
Ion	Ratio	Lower Upper
117	100	
201	0.0	34.2 102.5#

