

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030963.D
 Acq On : 31 Aug 2022 00:50
 Operator : JC/MD
 Sample : N4375-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

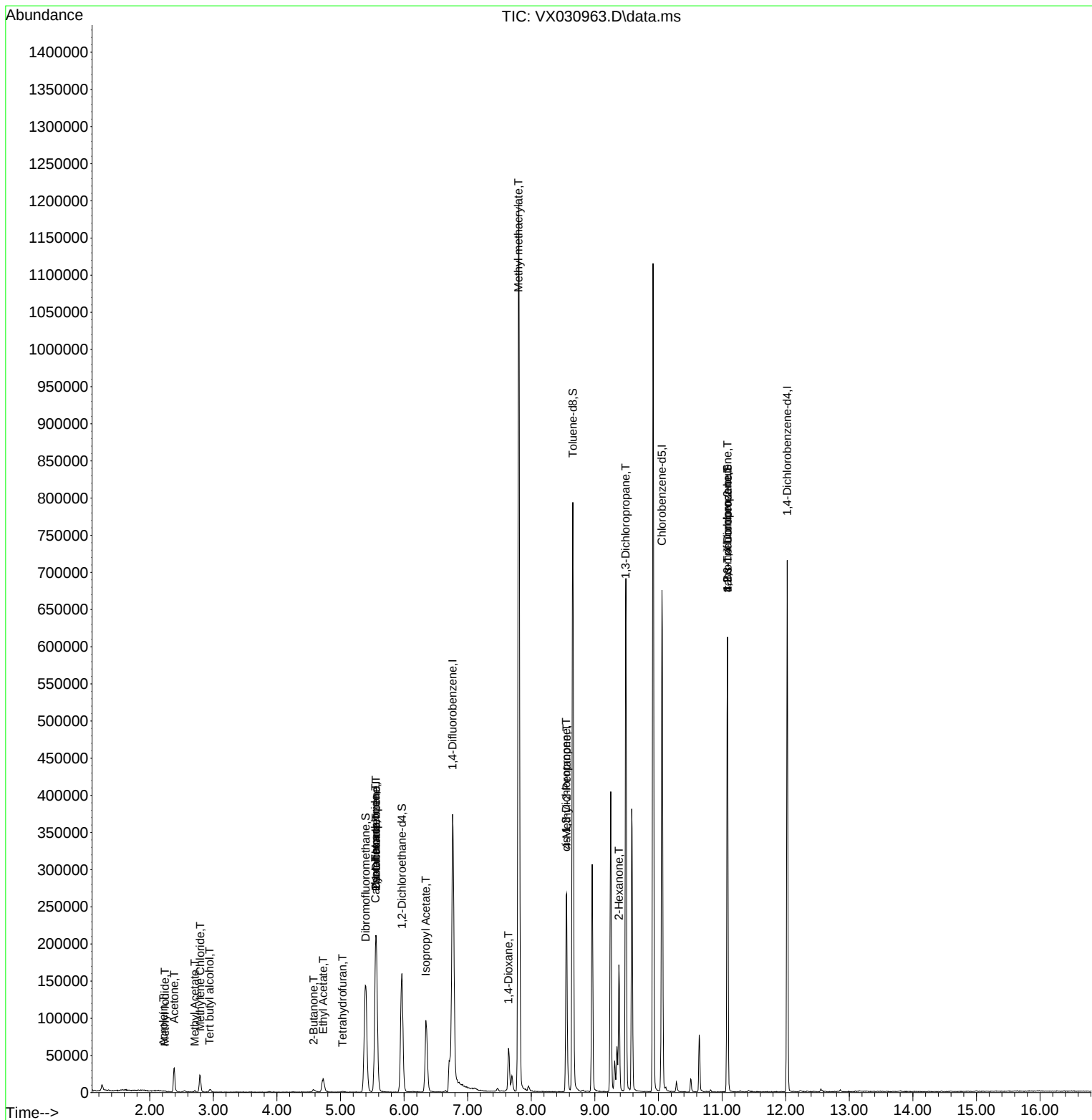
Quant Time: Sep 06 01:22:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

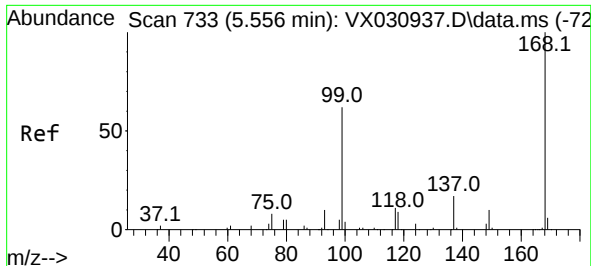
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	210142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	370967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	150678	49.992	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.980%
35) Dibromofluoromethane	5.397	113	136441	49.895	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.780%
50) Toluene-d8	8.653	98	498704	49.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.480%
62) 4-Bromofluorobenzene	11.085	95	163857	45.436	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.880%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	411	Below Cal	#	57
10) Methyl Iodide	2.239	142	25	4.386	ug/l #	45
11) Tert butyl alcohol	2.941	59	2366	3.313	ug/l #	74
13) Acrolein	2.215	56	25	7.341	ug/l	89
16) Acetone	2.386	43	33969	24.971	ug/l	98
18) Methyl Acetate	2.709	43	2216	0.555	ug/l	91
20) Methylene Chloride	2.794	84	10972	3.548	ug/l #	89
25) 2-Butanone	4.574	43	5246	2.382	ug/l	97
29) Tetrahydrofuran	5.032	42	1094	0.768	ug/l #	66
31) Cyclohexane	5.556	56	3914	0.877	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	16326	4.017	ug/l #	48
37) Ethyl Acetate	4.727	43	31045	7.266	ug/l	98
38) Carbon Tetrachloride	5.550	117	21697	5.607	ug/l #	18
43) Isopropyl Acetate	6.342	43	126508	19.080	ug/l	98
48) Methyl methacrylate	7.799	41	97538	29.389	ug/l #	39
49) 1,4-Dioxane	7.641	88	73	0.837	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	86582	19.784	ug/l #	53
54) cis-1,3-Dichloropropene	8.549	75	47011	9.921	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	5460	1.066	ug/l #	42
59) 2-Hexanone	9.378	43	123639	37.993	ug/l #	24
76) 1,2,3-Trichloropropane	11.085	75	79782	22.267	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	79782	66.204	ug/l #	12

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

Quant Time: Sep 06 01:22:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 30 14:24:53 2022
Response via : Initial Calibration

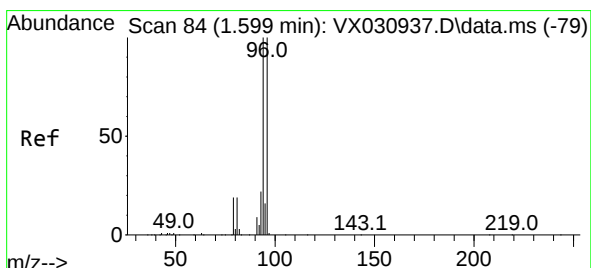
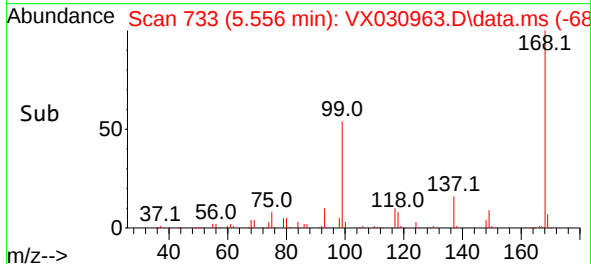
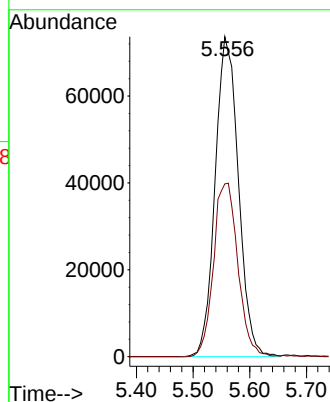
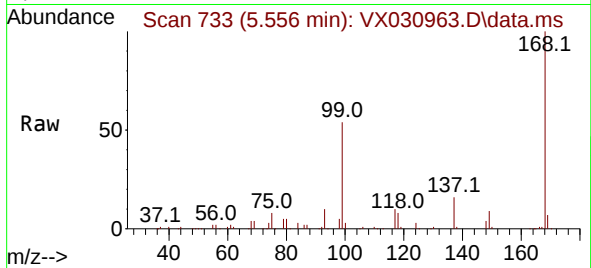




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

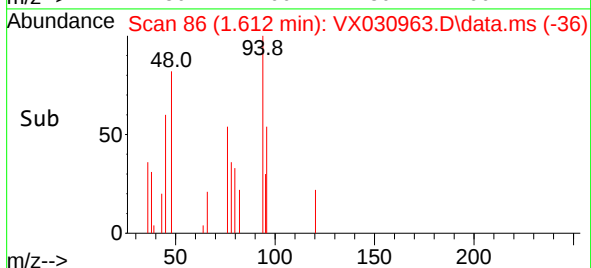
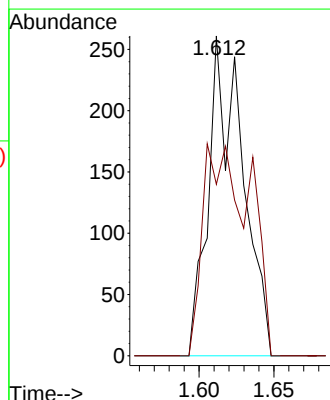
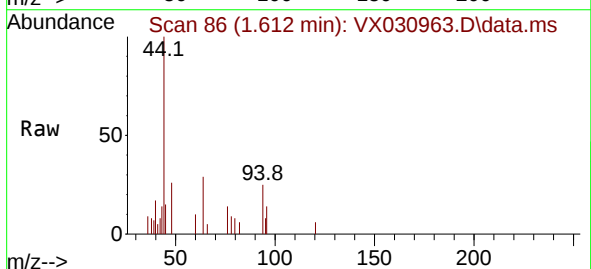
Instrument :
MSVOA_X
ClientSampleId :
WC-4

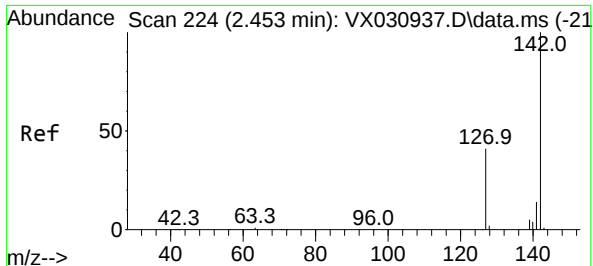
Tgt Ion:168 Resp: 210142
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.007 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 94 Resp: 411
Ion Ratio Lower Upper
94 100
96 53.6 76.9 115.3#

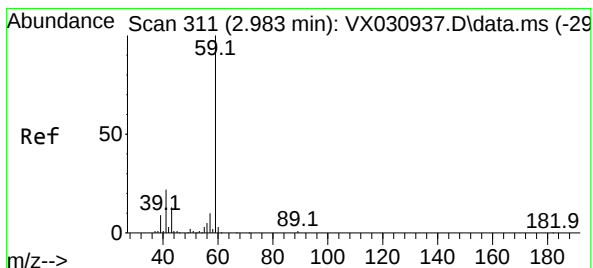
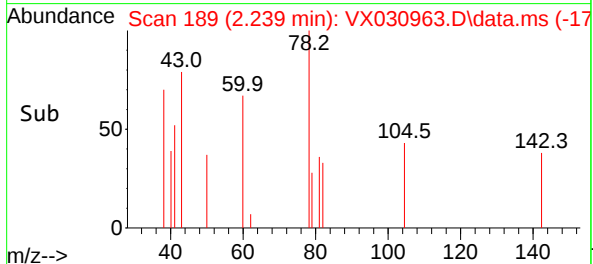
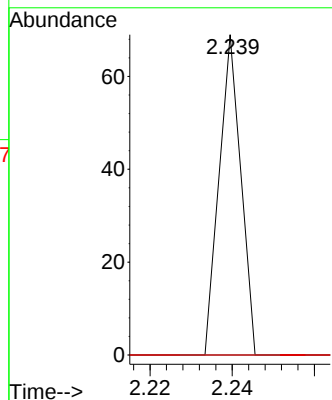
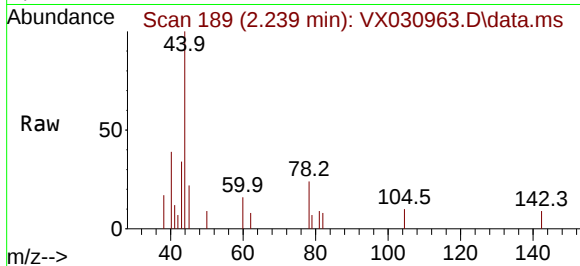




#10
Methyl Iodide
Concen: 4.386 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.214 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

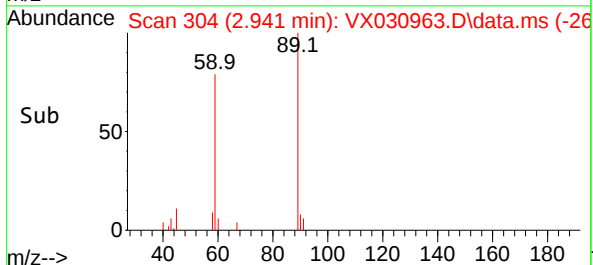
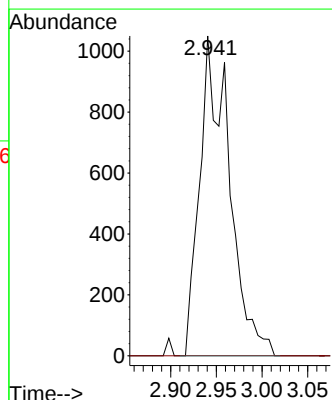
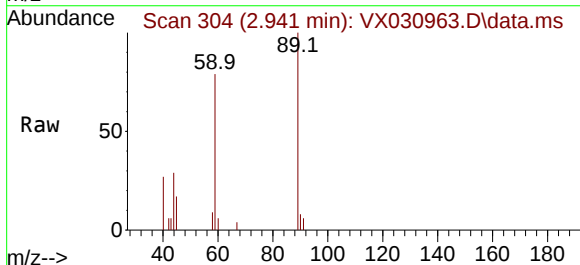
Instrument :
MSVOA_X
ClientSampleId :
WC-4

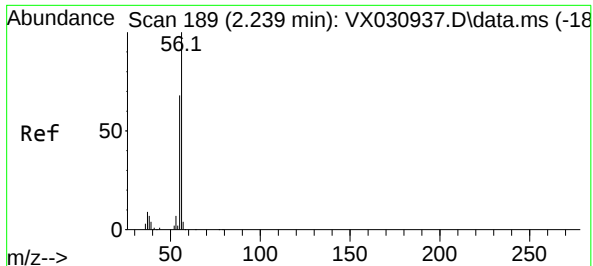
Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.313 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 59 Resp: 2366
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

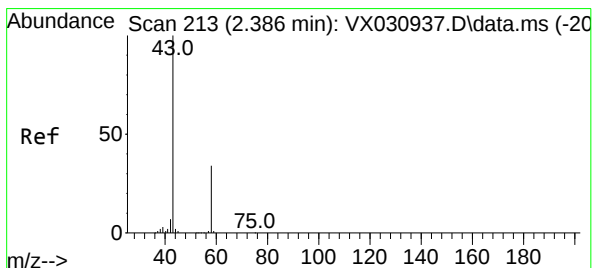
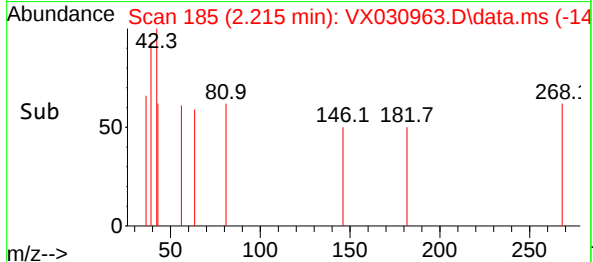
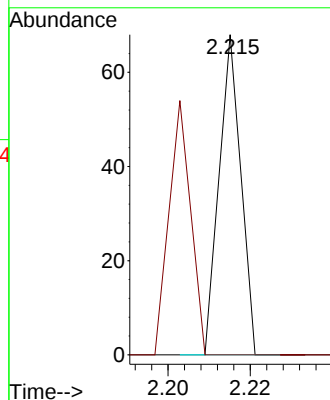
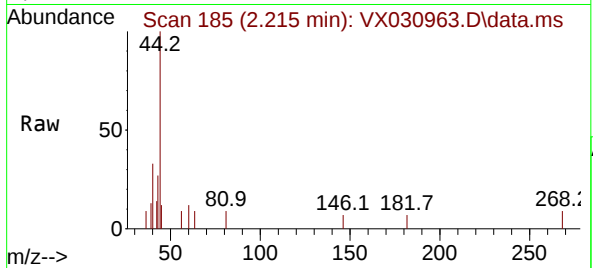




#13
Acrolein
Concen: 7.341 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

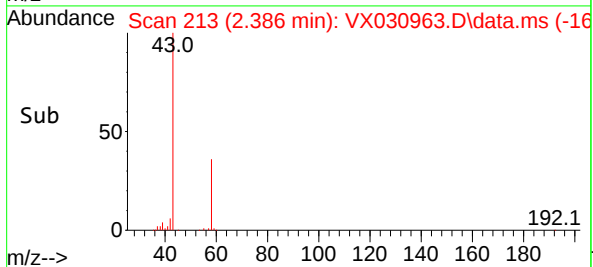
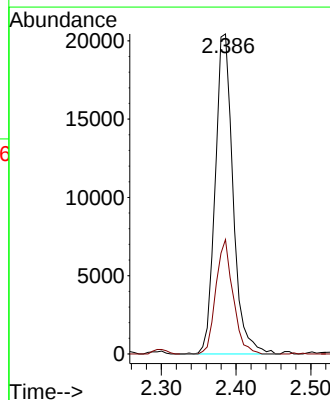
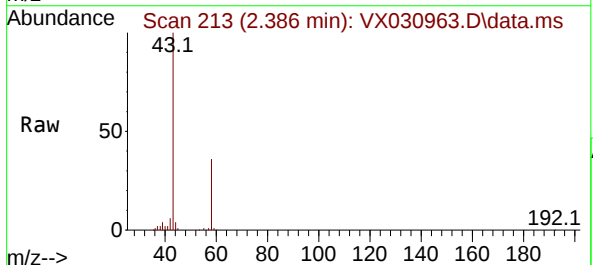
Instrument :
MSVOA_X
ClientSampleId :
WC-4

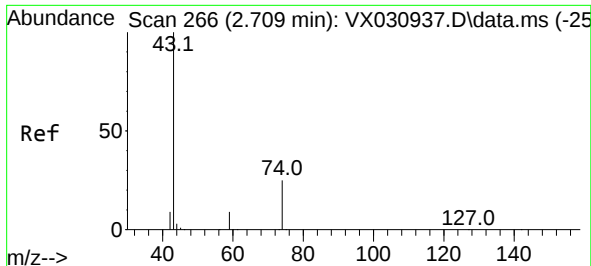
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 80.0 56.6 84.8



#16
Acetone
Concen: 24.971 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 43 Resp: 33969
Ion Ratio Lower Upper
43 100
58 35.7 27.7 41.5





#18

Methyl Acetate

Concen: 0.555 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

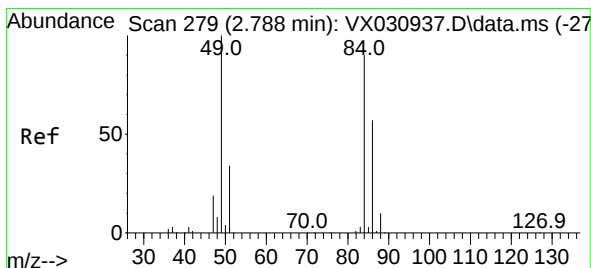
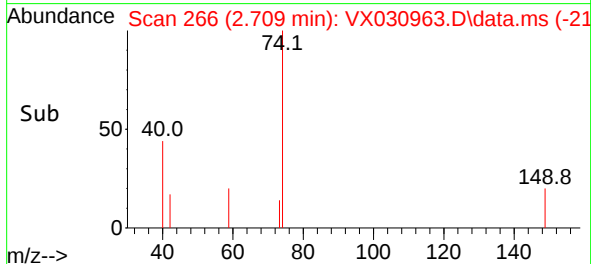
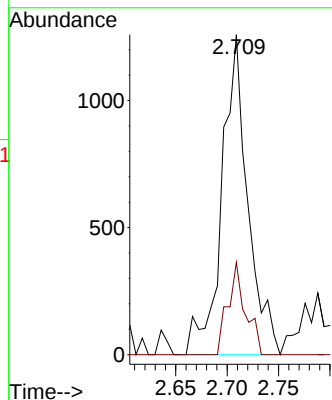
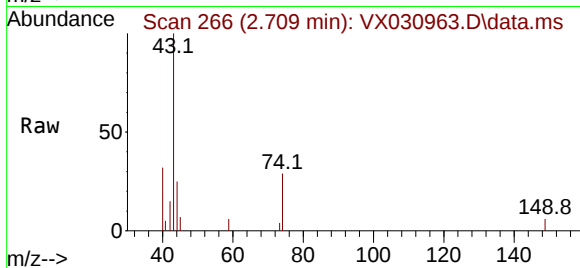
WC-4

Tgt Ion: 43 Resp: 2216

Ion Ratio Lower Upper

43 100

74 19.6 19.4 29.2



#20

Methylene Chloride

Concen: 3.548 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

Tgt Ion: 84 Resp: 10972

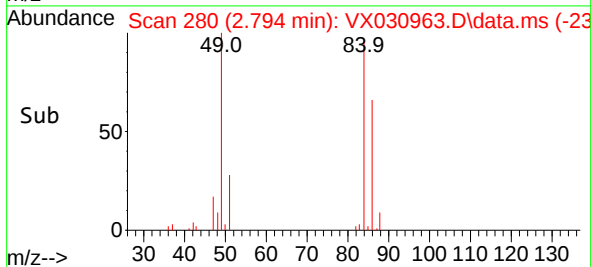
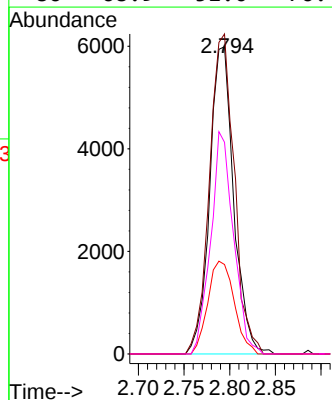
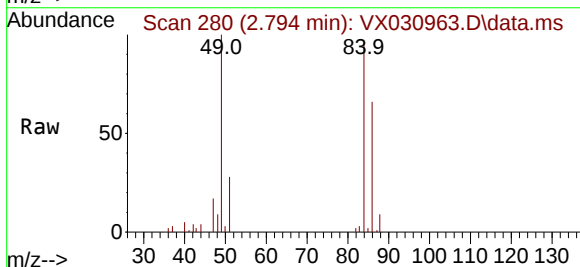
Ion Ratio Lower Upper

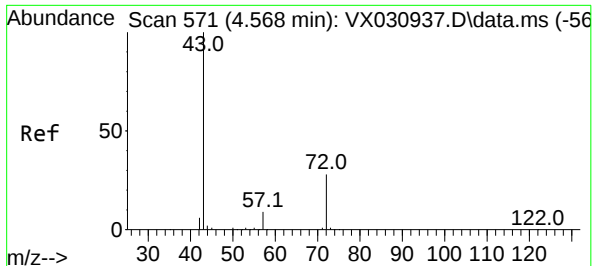
84 100

49 104.2 93.8 140.6

51 29.1 29.4 44.0#

86 68.9 51.0 76.4





#25

2-Butanone

Concen: 2.382 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

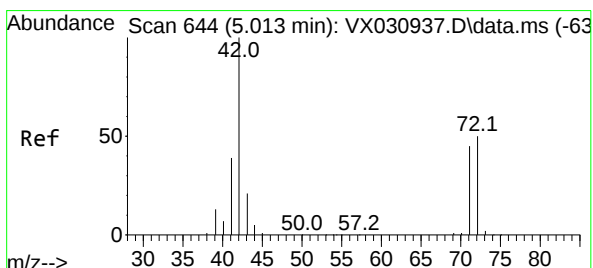
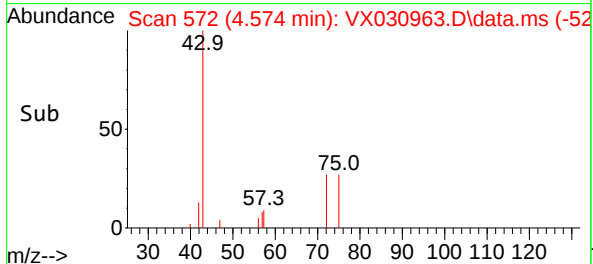
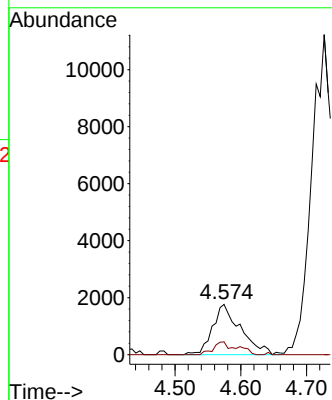
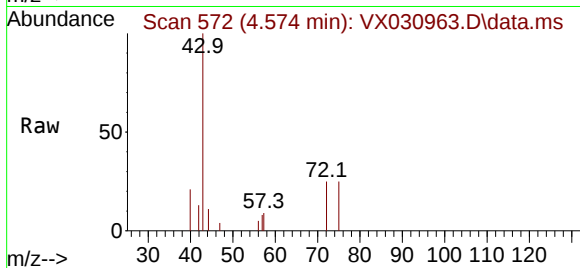
WC-4

Tgt Ion: 43 Resp: 5246

Ion Ratio Lower Upper

43 100

72 25.5 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.768 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

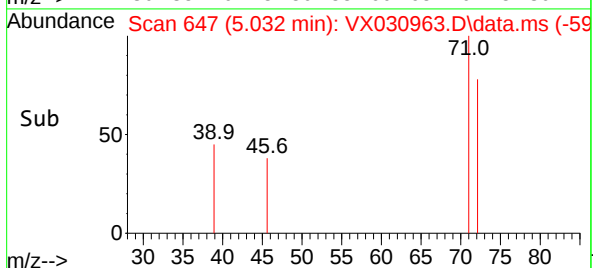
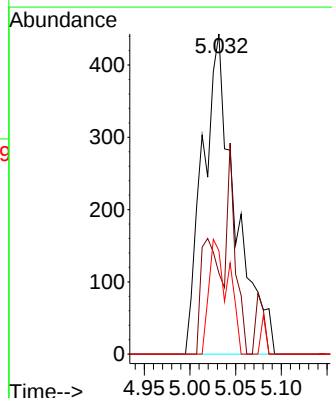
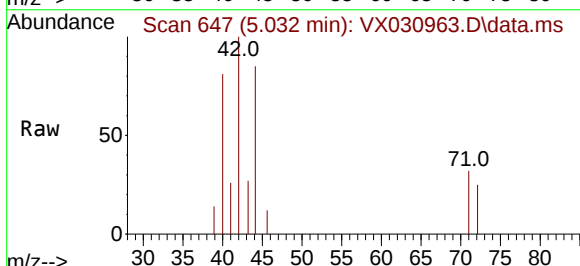
Tgt Ion: 42 Resp: 1094

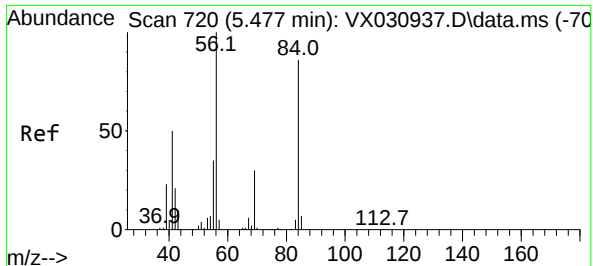
Ion Ratio Lower Upper

42 100

72 21.8 36.5 54.7#

71 21.6 33.9 50.9#

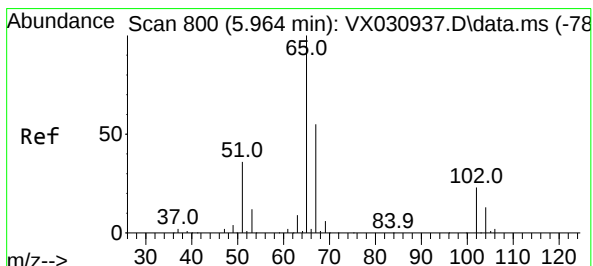
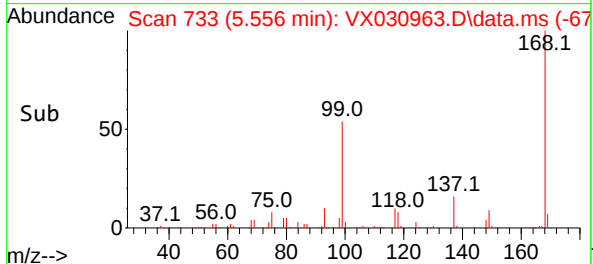
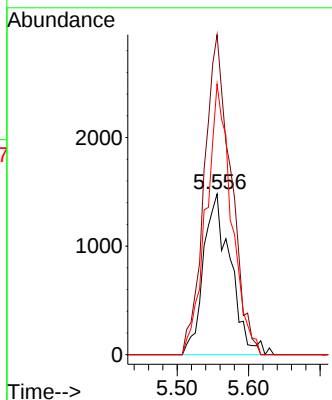
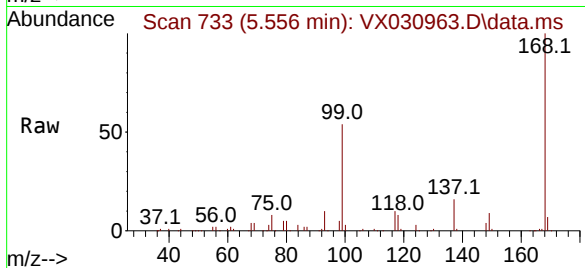




#31
Cyclohexane
Concen: 0.877 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

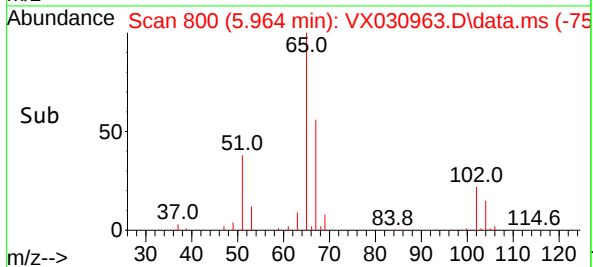
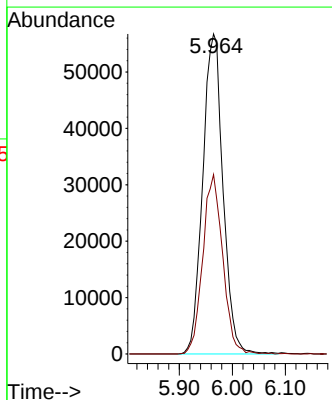
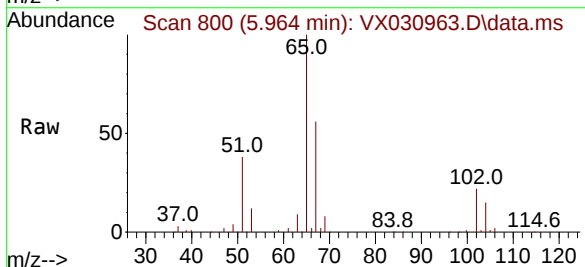
Instrument :
MSVOA_X
ClientSampleId :
WC-4

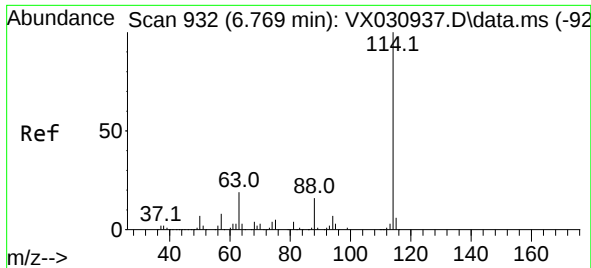
Tgt Ion: 56 Resp: 3914
Ion Ratio Lower Upper
56 100
69 199.3 25.4 38.0#
84 168.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.992 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 65 Resp: 150678
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.6

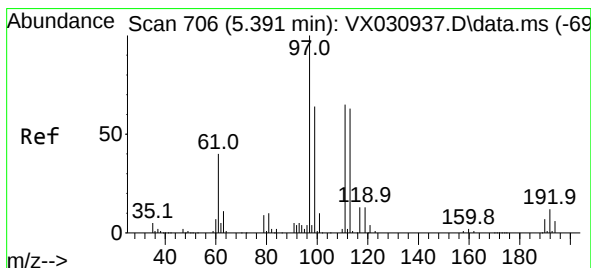
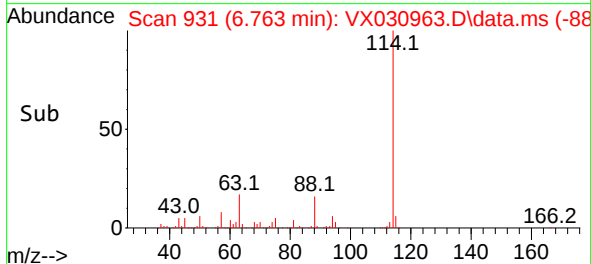
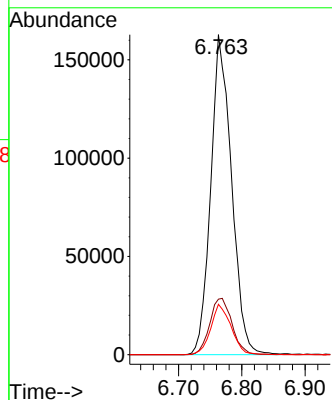
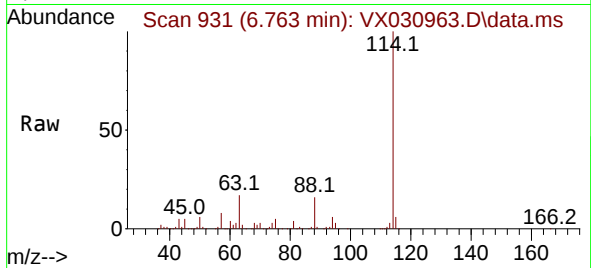




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

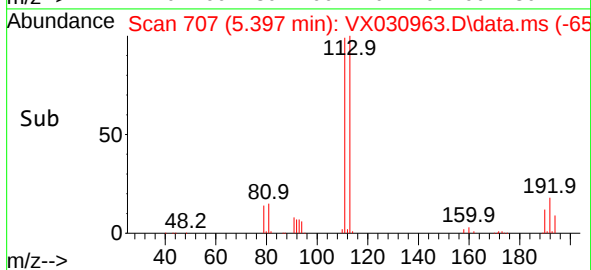
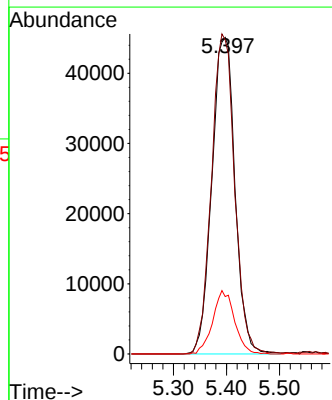
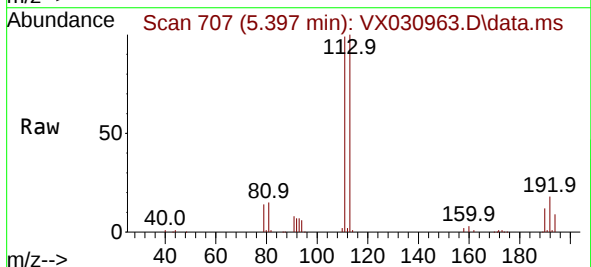
Instrument :
MSVOA_X
ClientSampleId :
WC-4

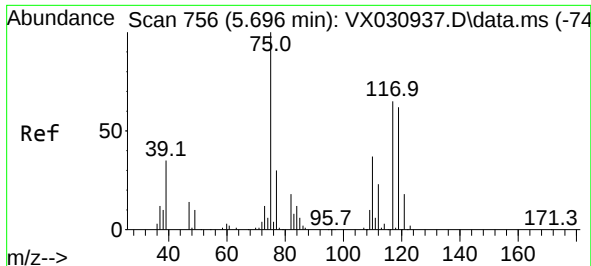
Tgt Ion:114 Resp: 370967
Ion Ratio Lower Upper
114 100
63 17.4 0.0 38.4
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.895 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion:113 Resp: 136441
Ion Ratio Lower Upper
113 100
111 101.2 83.2 124.8
192 18.9 14.8 22.2

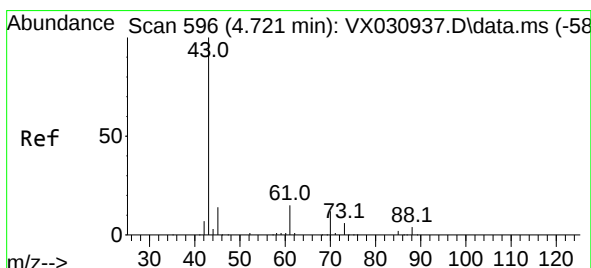
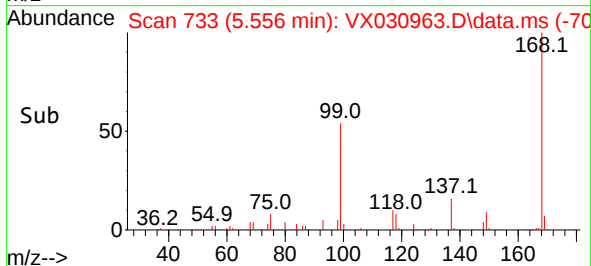
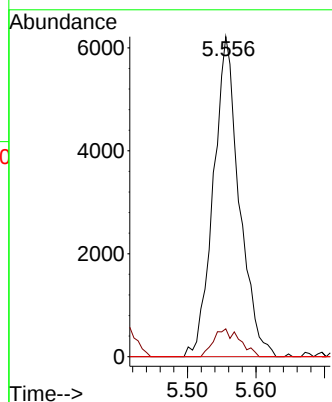
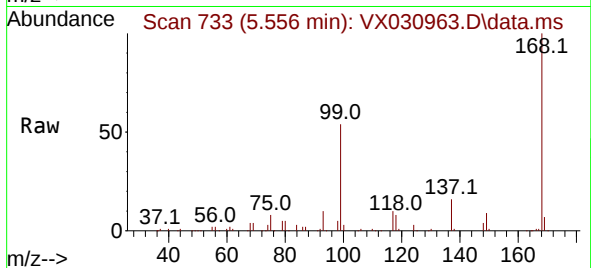




#36
1,1-Dichloropropene
Concen: 4.017 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

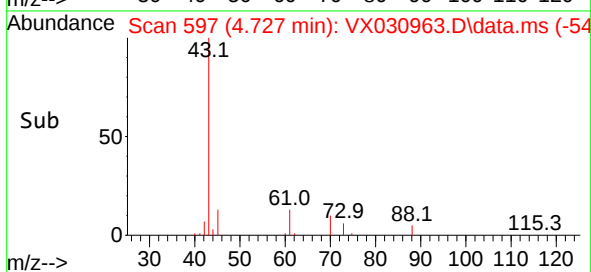
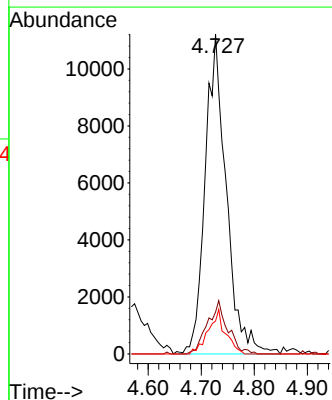
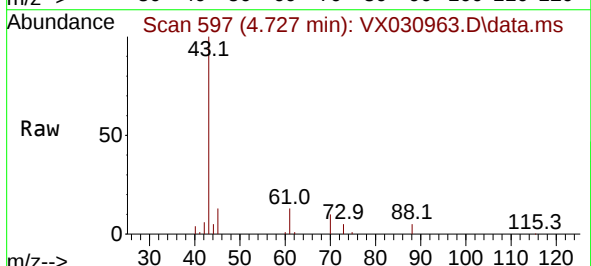
Instrument :
MSVOA_X
ClientSampleId :
WC-4

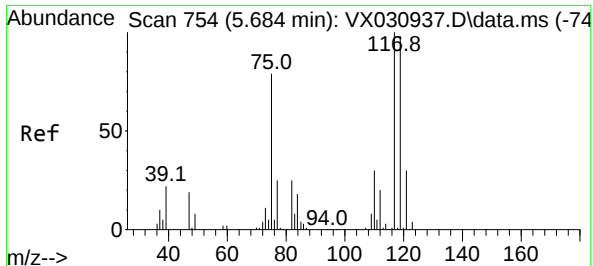
Tgt Ion: 75 Resp: 16326
Ion Ratio Lower Upper
75 100
110 8.8 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 7.266 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 43 Resp: 31045
Ion Ratio Lower Upper
43 100
61 15.9 11.7 17.5
70 11.2 9.3 13.9

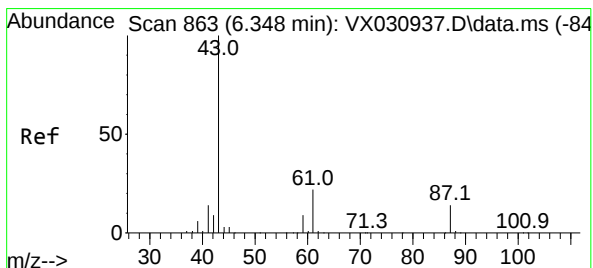
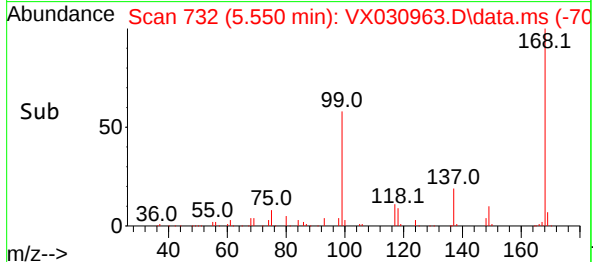
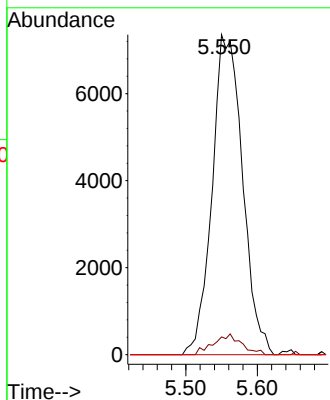
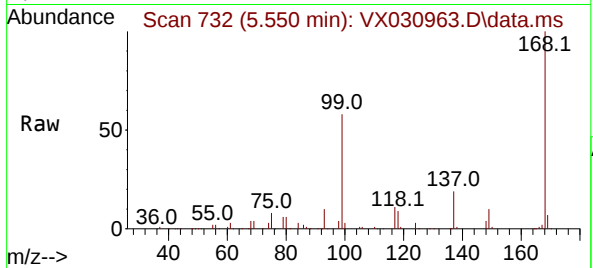




#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

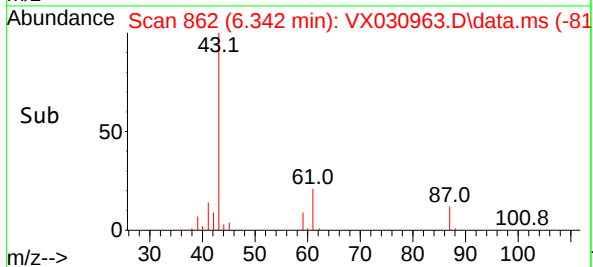
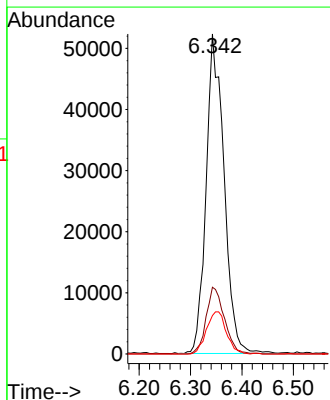
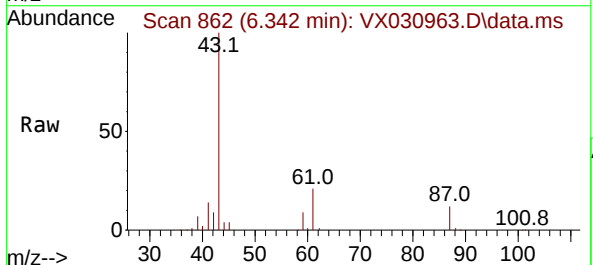
Instrument :
MSVOA_X
ClientSampleId :
WC-4

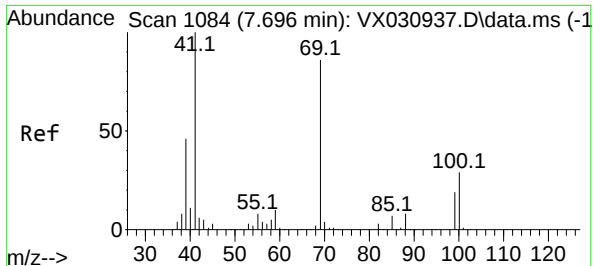
Tgt Ion:117 Resp: 21697
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 19.080 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 43 Resp: 126508
Ion Ratio Lower Upper
43 100
61 21.3 16.5 24.7
87 14.6 11.1 16.7





#48

Methyl methacrylate

Concen: 29.389 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

WC-4

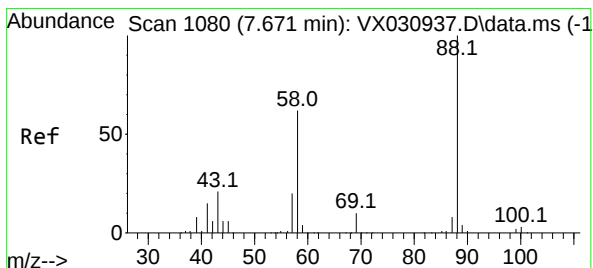
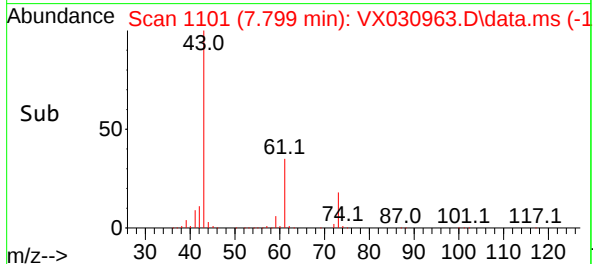
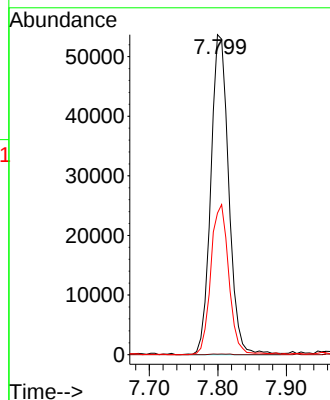
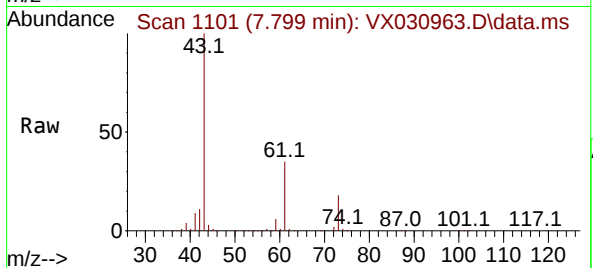
Tgt Ion: 41 Resp: 97538

Ion Ratio Lower Upper

41 100

69 0.2 68.8 103.2#

39 47.1 44.6 66.8



#49

1,4-Dioxane

Concen: 0.837 ug/l

RT: 7.641 min Scan# 1075

Delta R.T. -0.036 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

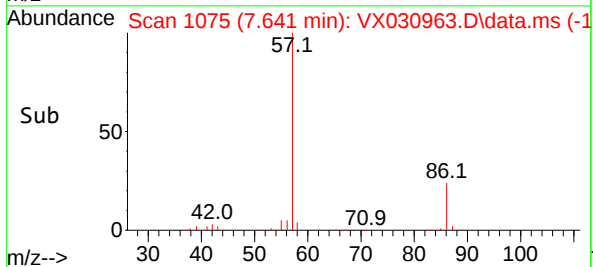
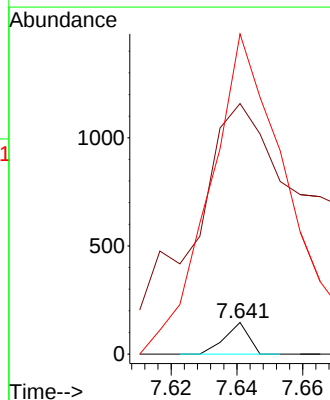
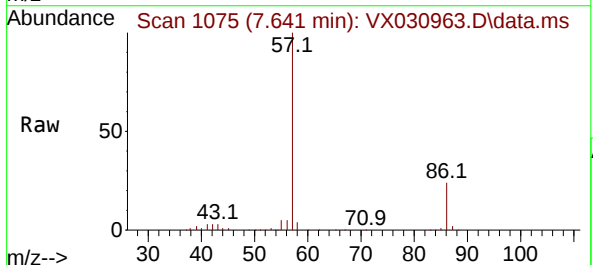
Tgt Ion: 88 Resp: 73

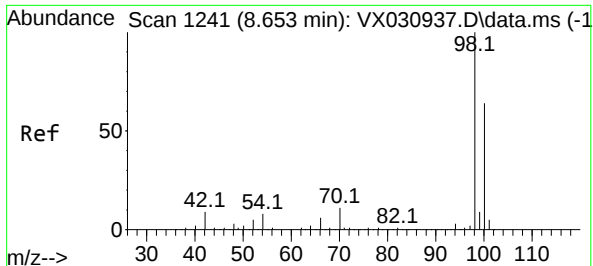
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 3538.4 53.8 80.6#

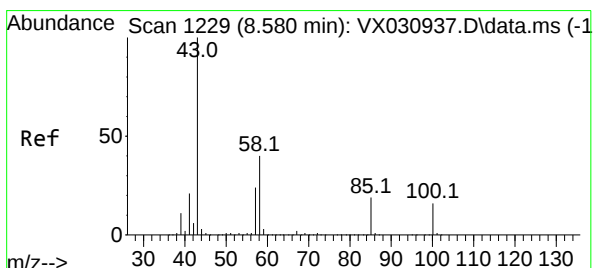
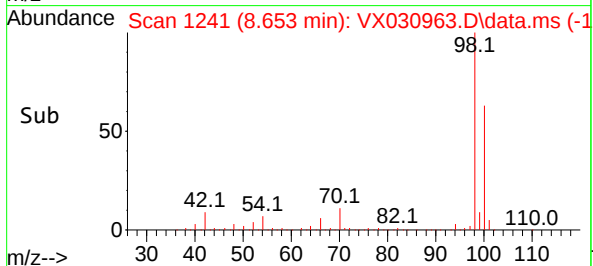
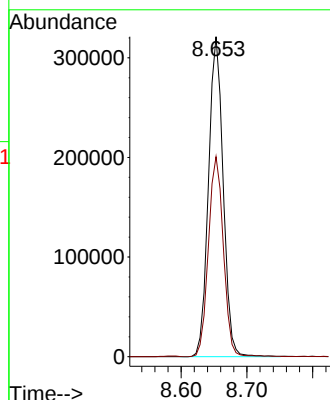
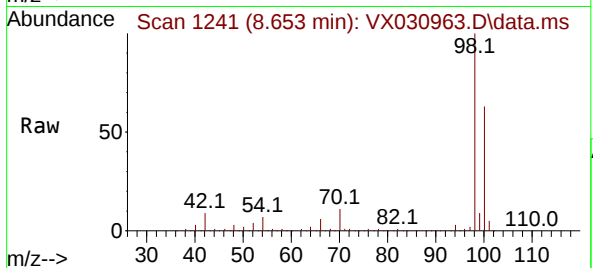




#50
Toluene-d8
Concen: 49.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

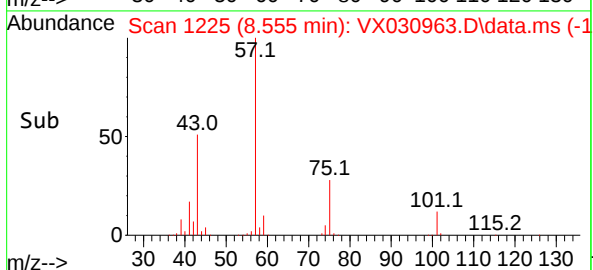
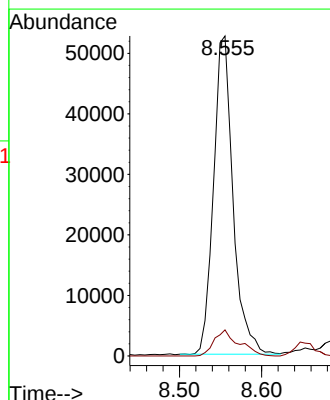
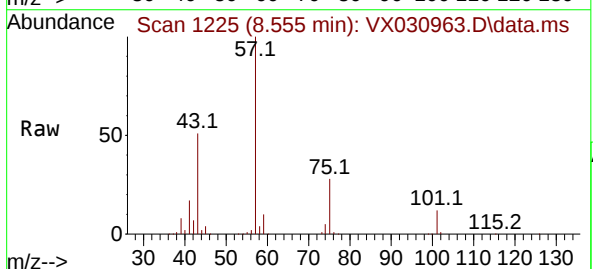
Instrument :
MSVOA_X
ClientSampleId :
WC-4

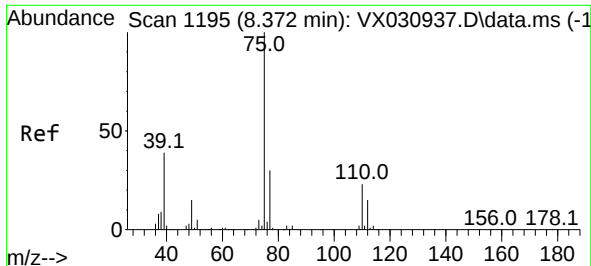
Tgt Ion: 98 Resp: 498704
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 19.784 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 43 Resp: 86582
Ion Ratio Lower Upper
43 100
58 10.3 31.4 47.2#

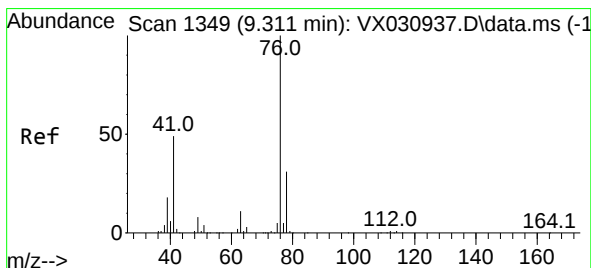
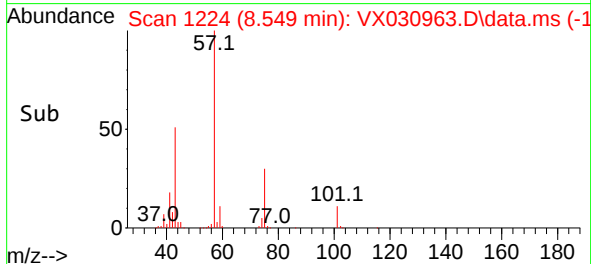
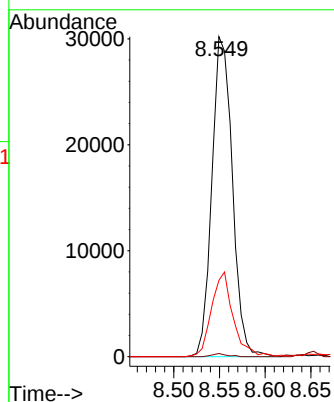
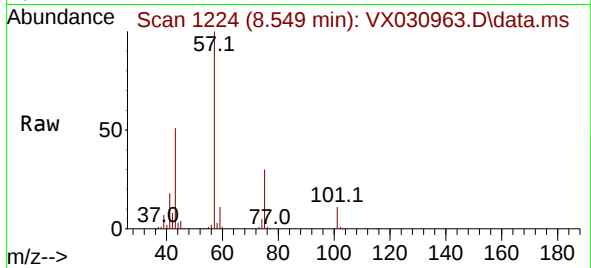




#54
 cis-1,3-Dichloropropene
 Concen: 9.921 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX030963.D
 Acq: 31 Aug 2022 00:50

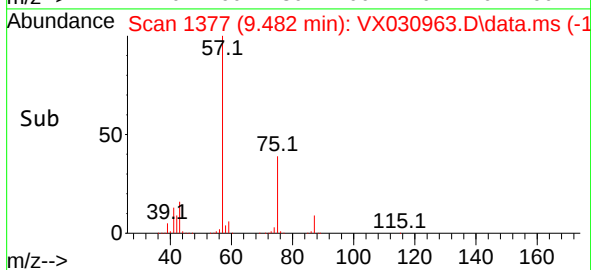
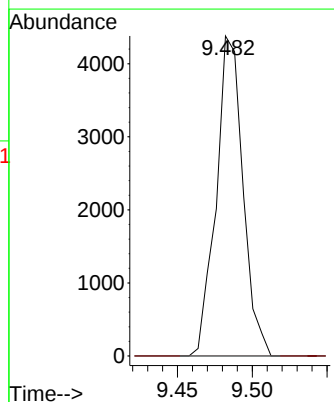
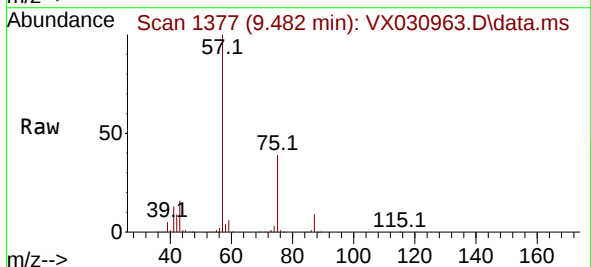
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

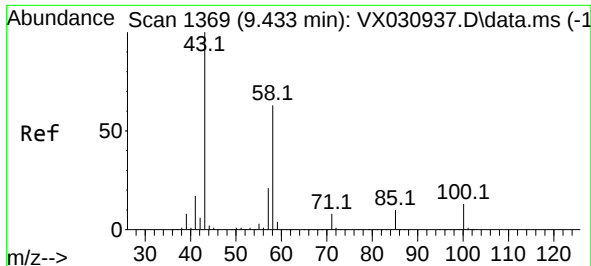
Tgt Ion: 75 Resp: 47011
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.0 37.4#
 39 23.9 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 1.066 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX030963.D
 Acq: 31 Aug 2022 00:50

Tgt Ion: 76 Resp: 5460
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

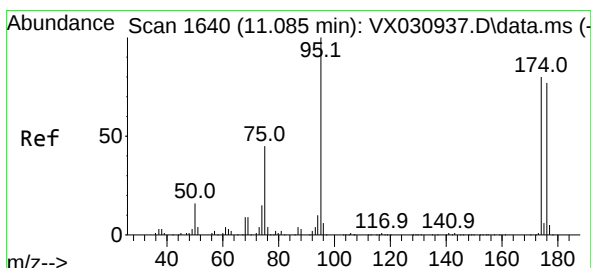
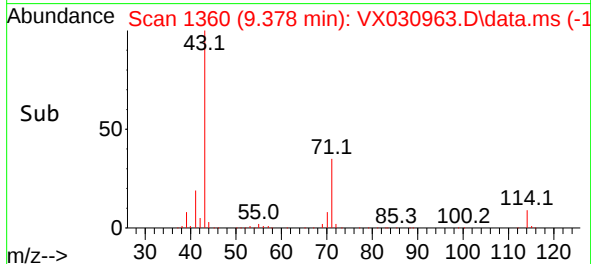
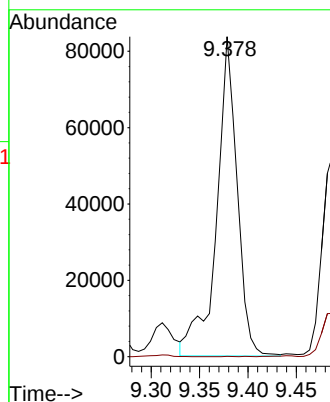
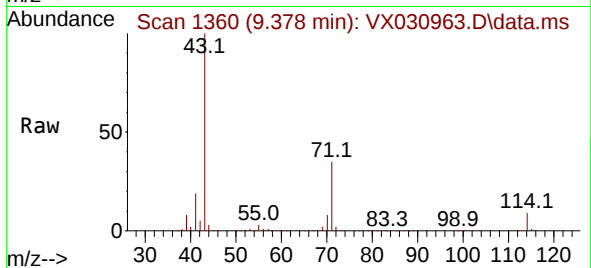




#59
2-Hexanone
Concen: 37.993 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

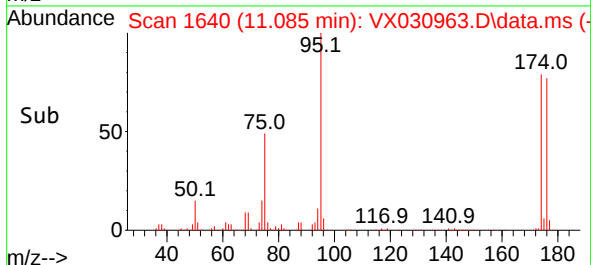
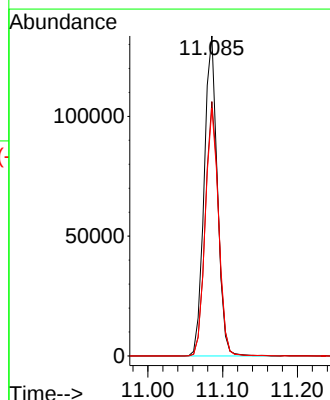
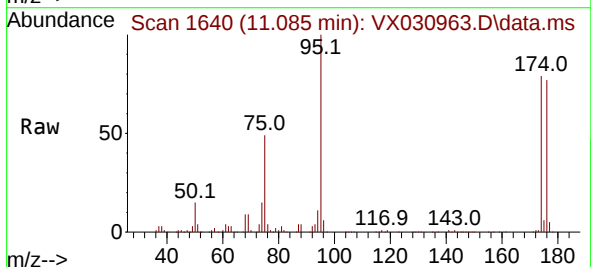
Instrument :
MSVOA_X
ClientSampleId :
WC-4

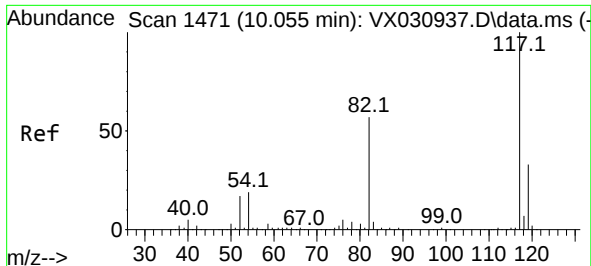
Tgt Ion: 43 Resp: 123639
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 45.436 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion: 95 Resp: 163857
Ion Ratio Lower Upper
95 100
174 79.4 0.0 149.0
176 78.4 0.0 146.0

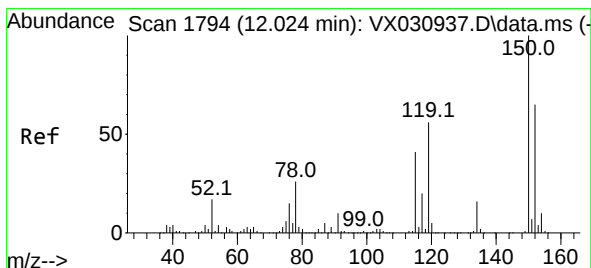
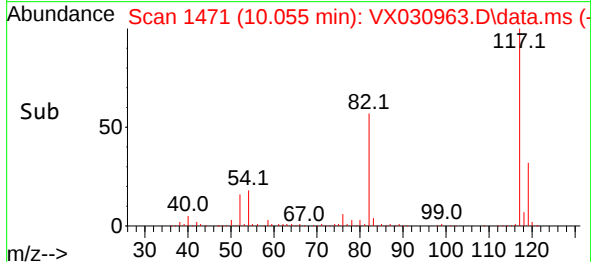
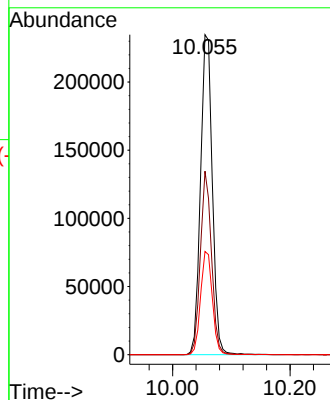
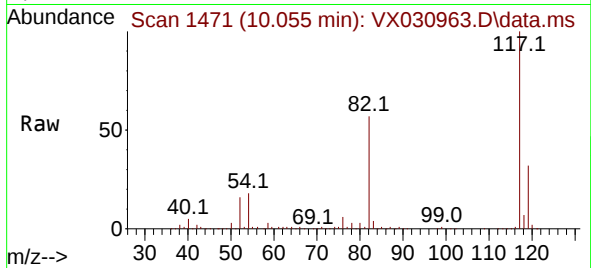




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

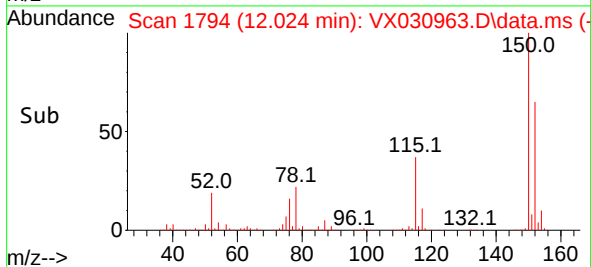
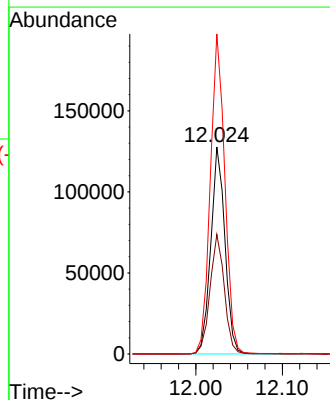
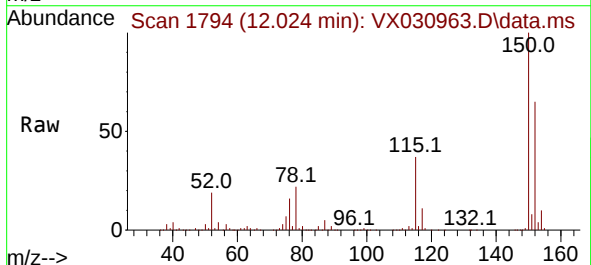
Instrument :
MSVOA_X
ClientSampleId :
WC-4

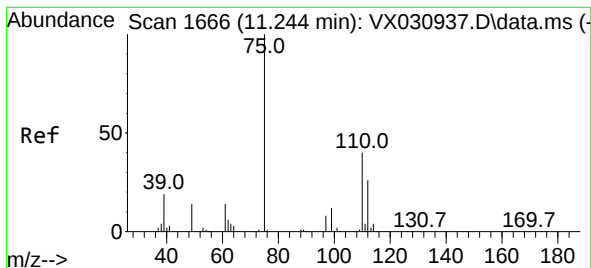
Tgt Ion:117 Resp: 326722
Ion Ratio Lower Upper
117 100
82 57.3 42.7 64.1
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030963.D
Acq: 31 Aug 2022 00:50

Tgt Ion:152 Resp: 145536
Ion Ratio Lower Upper
152 100
115 58.2 40.5 121.5
150 157.7 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 22.267 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

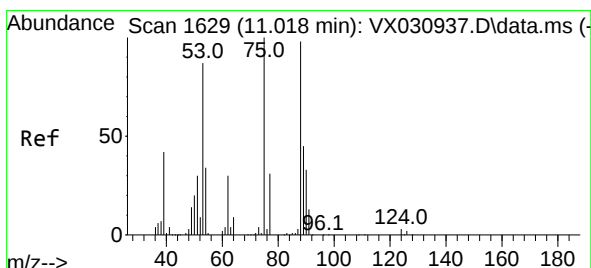
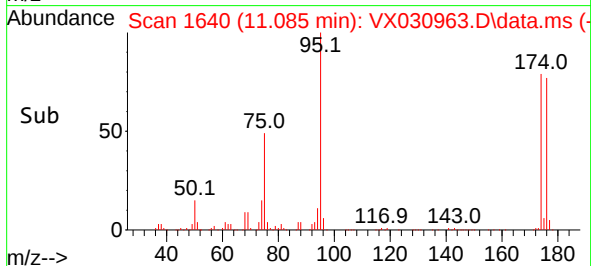
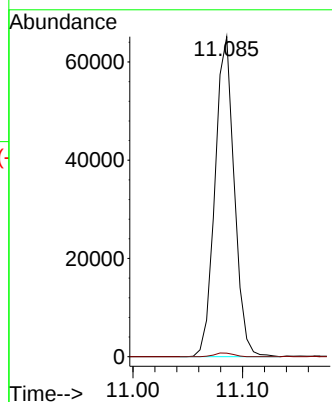
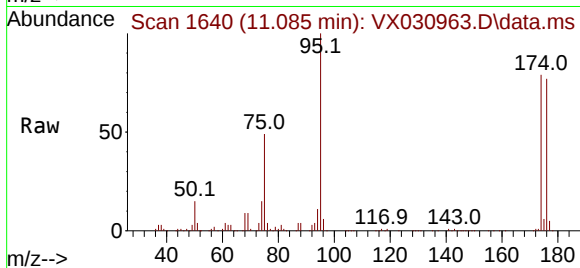
WC-4

Tgt Ion: 75 Resp: 79782

Ion Ratio Lower Upper

75 100

77 1.1 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.204 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX030963.D

Acq: 31 Aug 2022 00:50

Tgt Ion: 75 Resp: 79782

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

