

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030962.D
 Acq On : 31 Aug 2022 00:27
 Operator : JC/MD
 Sample : N4375-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

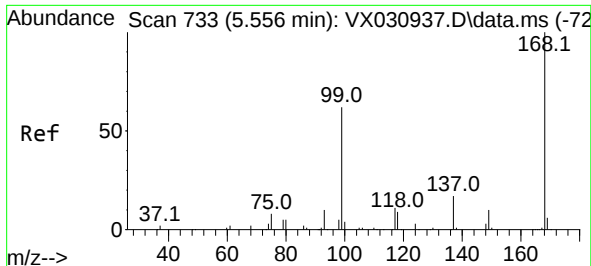
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Quant Time: Sep 06 01:22:06 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	5.562	168	203774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	360774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	324958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146168	50.011	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.020%	
35) Dibromofluoromethane	5.391	113	132394	49.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.560%	
50) Toluene-d8	8.653	98	492066	49.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.920%	
62) 4-Bromofluorobenzene	11.085	95	165270	47.123	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	371	Below Cal	#	77
10) Methyl Iodide	2.459	142	191	4.451	ug/l #	45
11) Tert butyl alcohol	2.952	59	2281	3.294	ug/l #	77
13) Acrolein	2.166	56	21	7.332	ug/l #	1
16) Acetone	2.385	43	43173	32.729	ug/l	96
18) Methyl Acetate	2.709	43	1964	0.508	ug/l	96
20) Methylene Chloride	2.788	84	11031	3.678	ug/l	87
25) 2-Butanone	4.574	43	5241	2.454	ug/l	96
29) Tetrahydrofuran	5.031	42	1086	0.786	ug/l #	77
31) Cyclohexane	5.556	56	3963	0.916	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15896	4.022	ug/l #	45
37) Ethyl Acetate	4.727	43	32806	7.895	ug/l #	92
38) Carbon Tetrachloride	5.556	117	20275	5.388	ug/l #	20
43) Isopropyl Acetate	6.354	43	135514	21.015	ug/l	98
48) Methyl methacrylate	7.799	41	109890	34.046	ug/l #	40
49) 1,4-Dioxane	7.799	88	365	4.303	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	92007	21.618	ug/l #	51
53) t-1,3-Dichloropropene	8.964	75	1148	0.285	ug/l #	42
54) cis-1,3-Dichloropropene	8.555	75	49737	10.792	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	6801	1.366	ug/l #	44
59) 2-Hexanone	9.378	43	117792	37.219	ug/l #	24
74) N-amyl acetate	10.823	43	951	0.219	ug/l #	58
76) 1,2,3-Trichloropropane	11.085	75	78442	22.411	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	78442	66.632	ug/l #	12

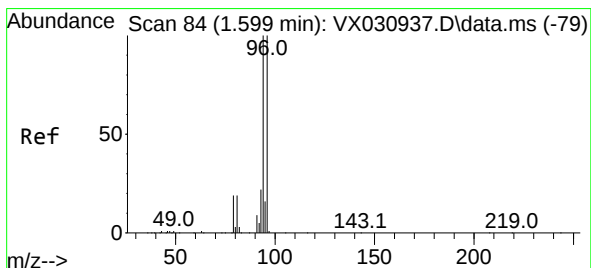
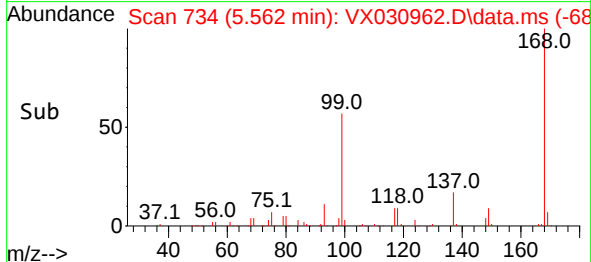
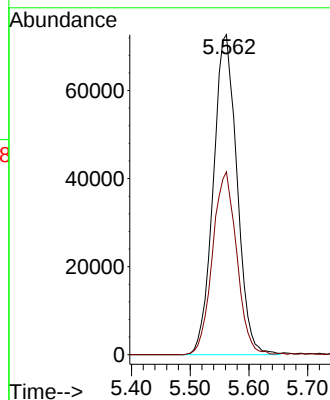
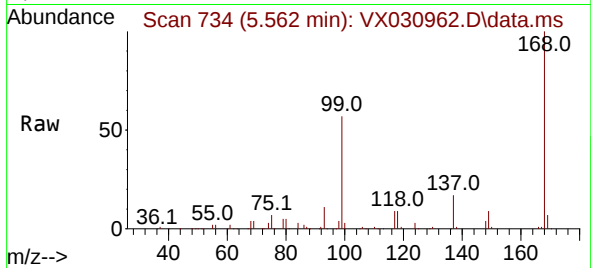
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

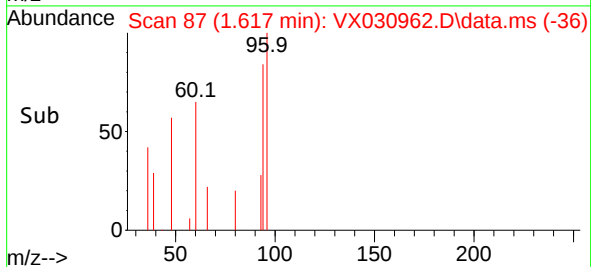
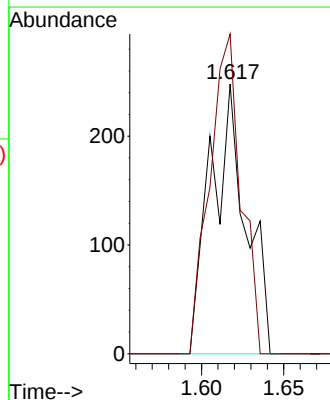
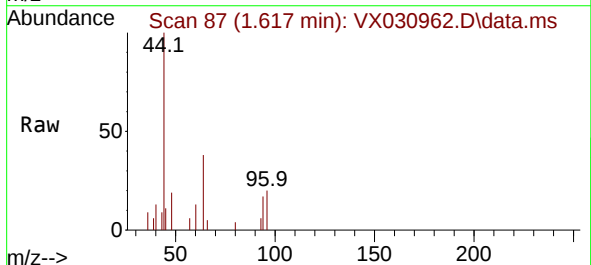
Instrument :
MSVOA_X
ClientSampleId :
WC-3

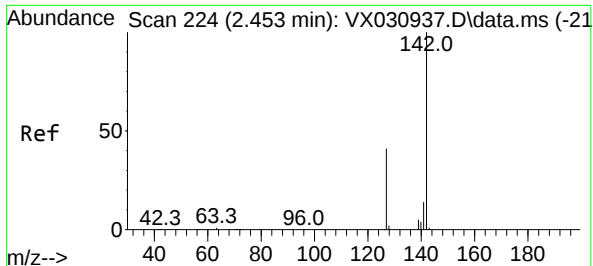
Tgt Ion:168 Resp: 203774
Ion Ratio Lower Upper
168 100
99 57.2 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 118.5 76.9 115.3#

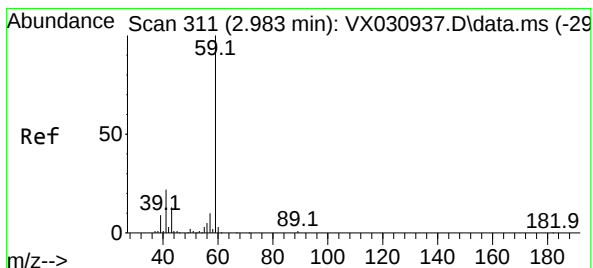
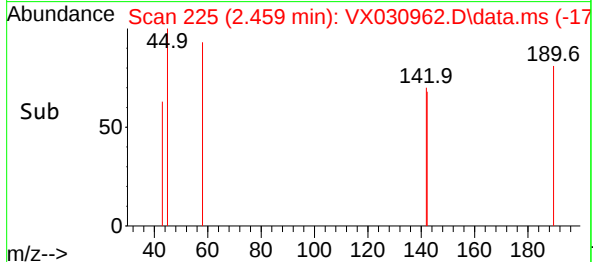
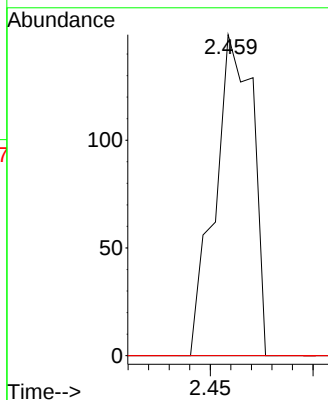
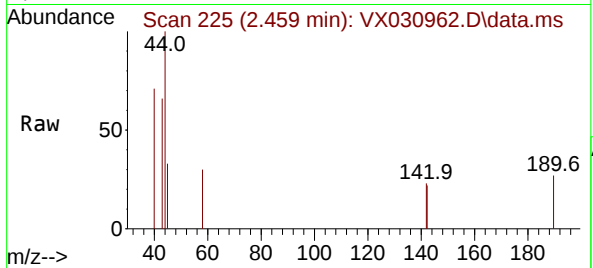




#10
Methyl Iodide
Concen: 4.451 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

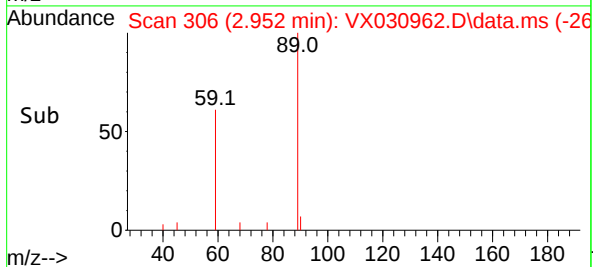
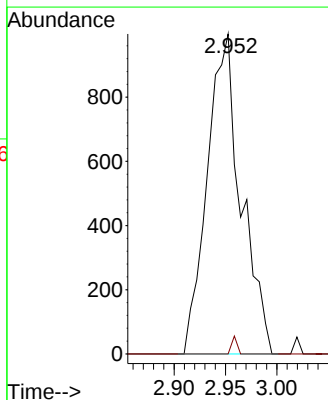
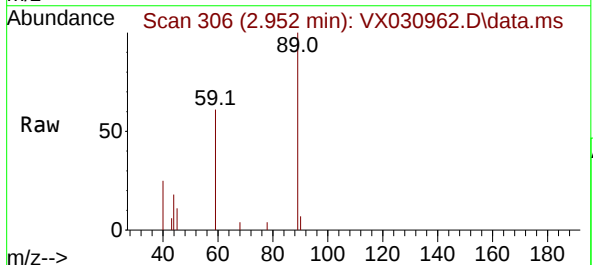
Instrument :
MSVOA_X
ClientSampleId :
WC-3

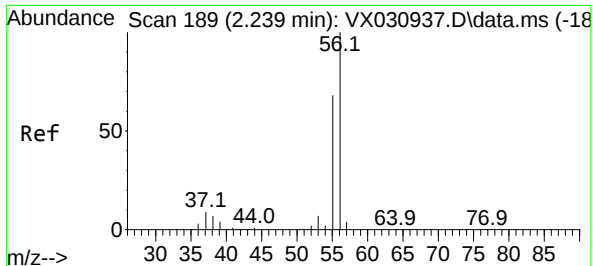
Tgt Ion:142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.294 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion: 59 Resp: 2281
Ion Ratio Lower Upper
59 100
57 0.9 7.4 11.2#

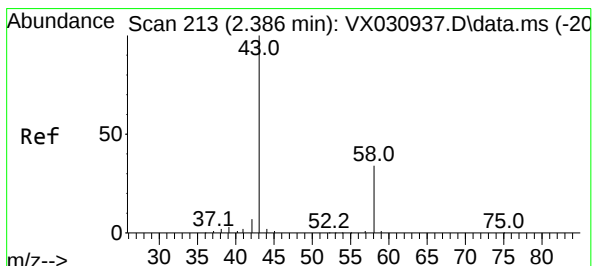
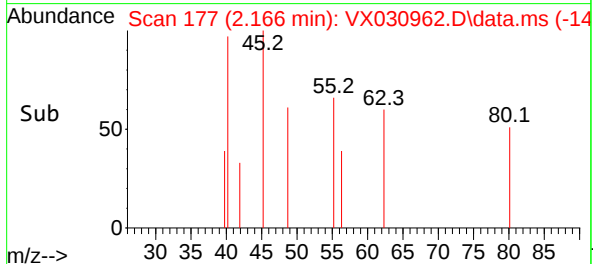
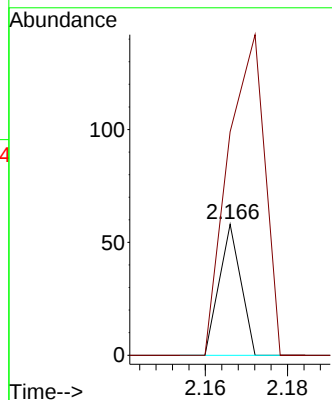
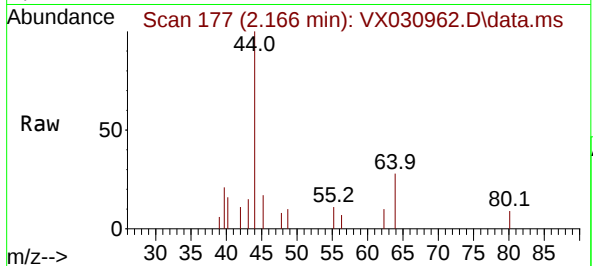




#13
Acrolein
Concen: 7.332 ug/l
RT: 2.166 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

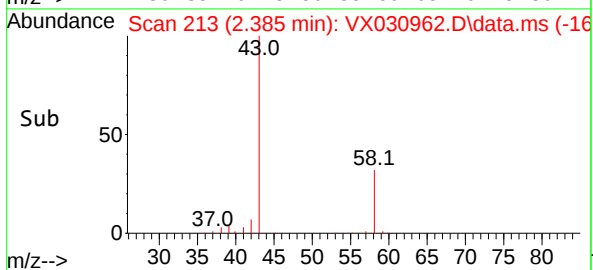
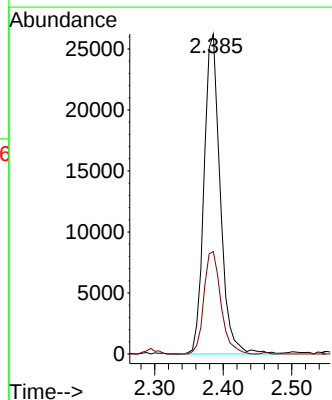
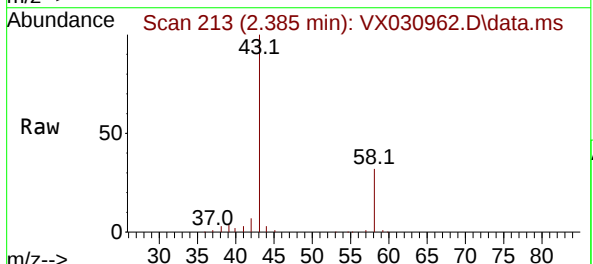
Instrument :
MSVOA_X
ClientSampleId :
WC-3

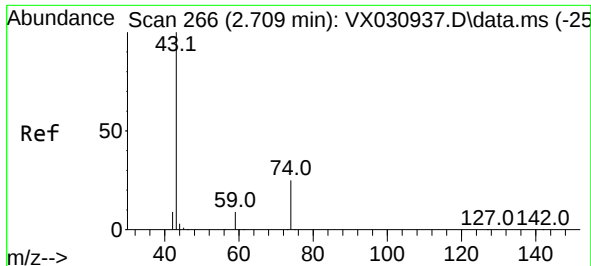
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 419.0 56.6 84.8#



#16
Acetone
Concen: 32.729 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion: 43 Resp: 43173
Ion Ratio Lower Upper
43 100
58 32.0 27.7 41.5





#18

Methyl Acetate

Concen: 0.508 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Instrument :

MSVOA_X

ClientSampleId :

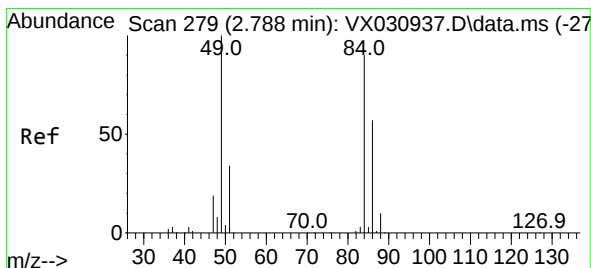
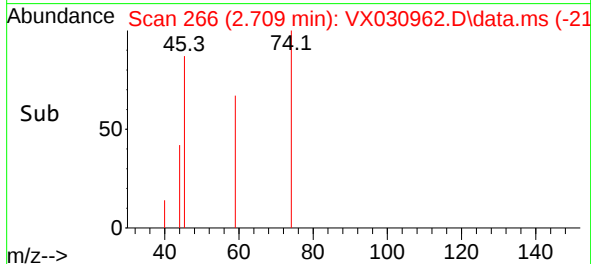
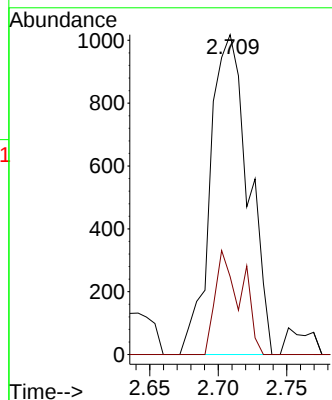
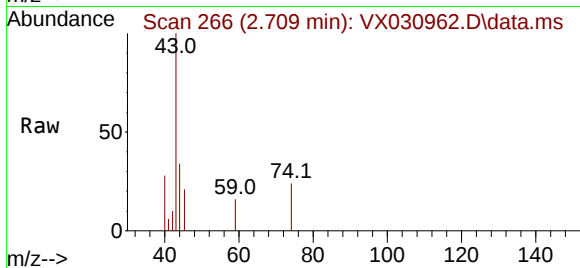
WC-3

Tgt Ion: 43 Resp: 1964

Ion Ratio Lower Upper

43 100

74 22.5 19.4 29.2



#20

Methylene Chloride

Concen: 3.678 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Tgt Ion: 84 Resp: 11031

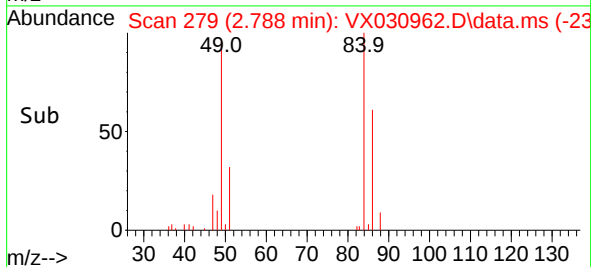
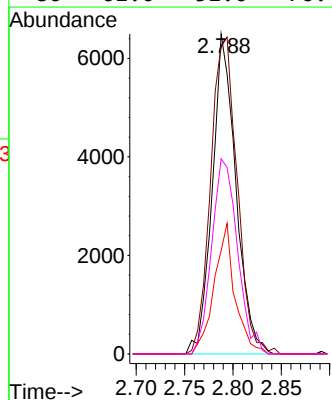
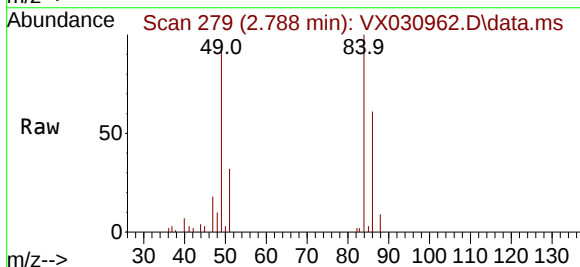
Ion Ratio Lower Upper

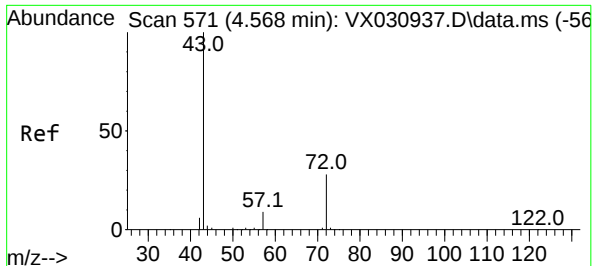
84 100

49 96.3 93.8 140.6

51 32.3 29.4 44.0

86 61.0 51.0 76.4





#25

2-Butanone

Concen: 2.454 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Instrument :

MSVOA_X

ClientSampleId :

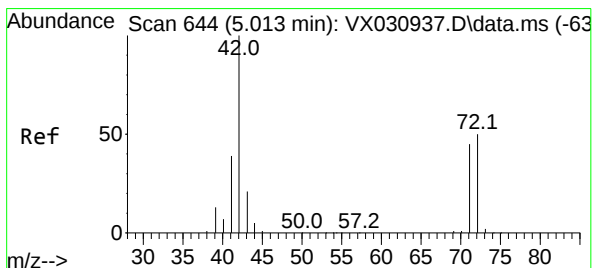
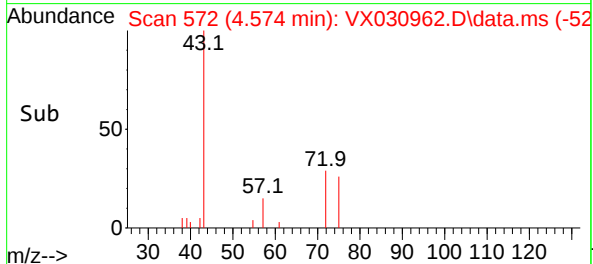
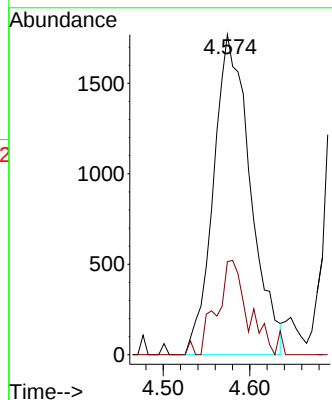
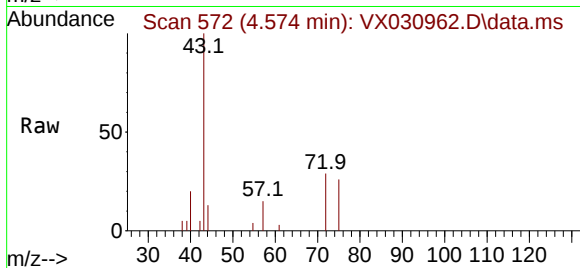
WC-3

Tgt Ion: 43 Resp: 5241

Ion Ratio Lower Upper

43 100

72 29.1 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.786 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

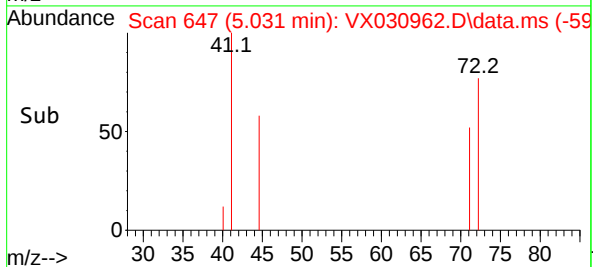
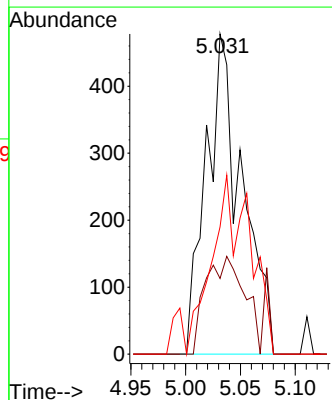
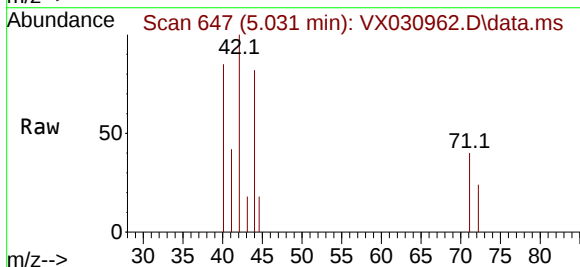
Tgt Ion: 42 Resp: 1086

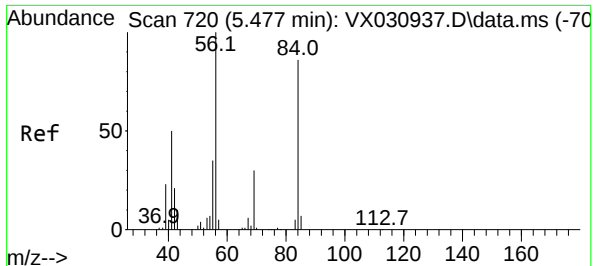
Ion Ratio Lower Upper

42 100

72 33.2 36.5 54.7#

71 59.9 33.9 50.9#

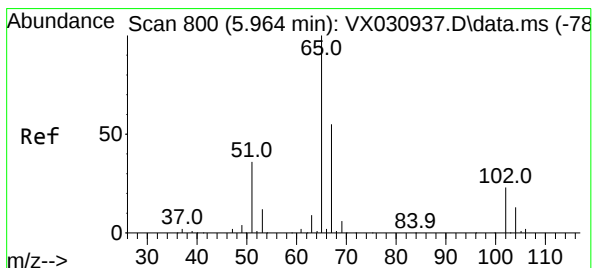
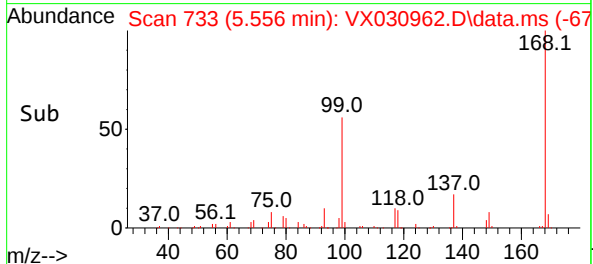
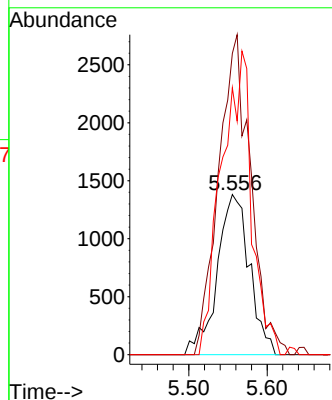
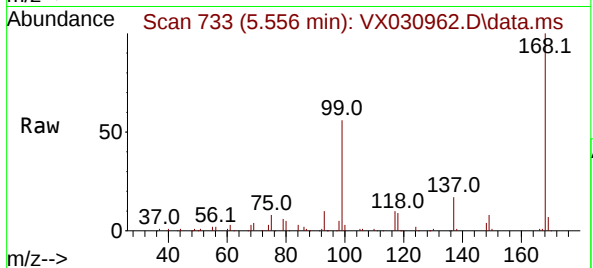




#31
Cyclohexane
Concen: 0.916 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

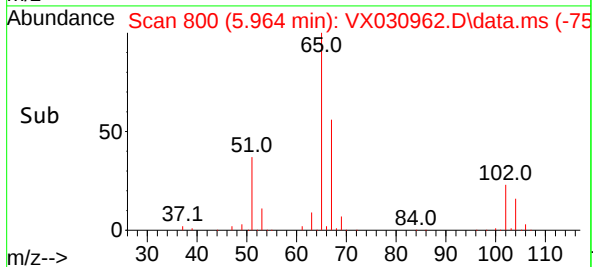
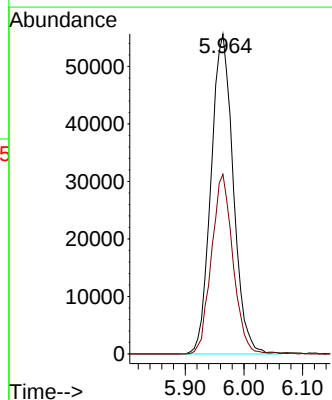
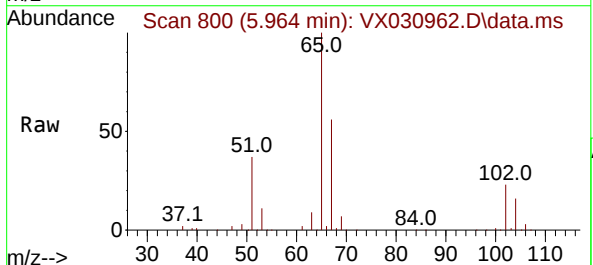
Instrument :
MSVOA_X
ClientSampleId :
WC-3

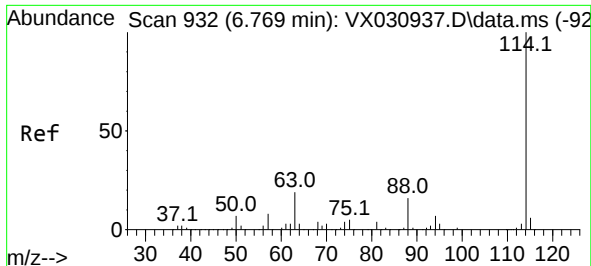
Tgt Ion: 56 Resp: 3963
Ion Ratio Lower Upper
56 100
69 188.1 25.4 38.0#
84 166.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 50.011 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion: 65 Resp: 146168
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6

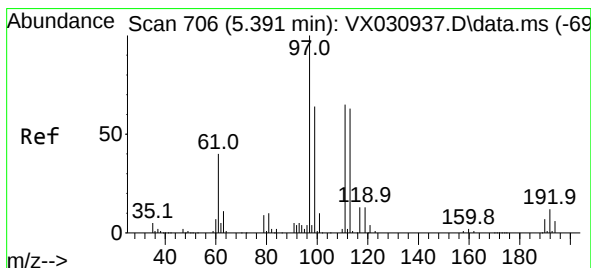
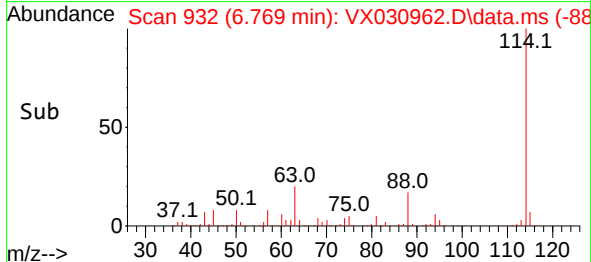
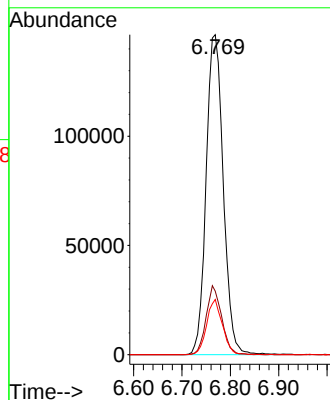
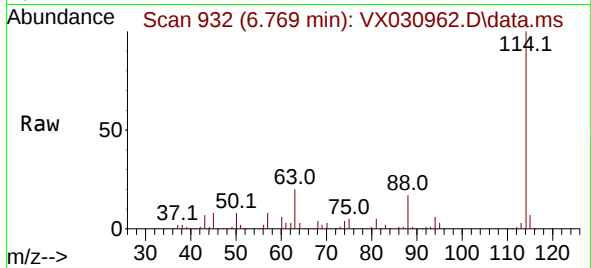




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

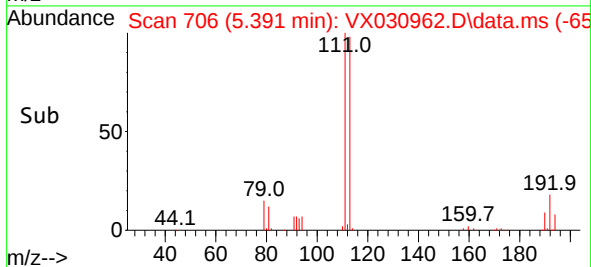
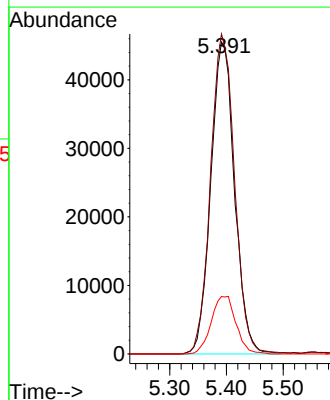
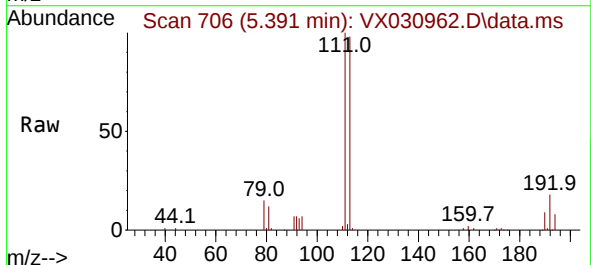
Instrument :
MSVOA_X
ClientSampleId :
WC-3

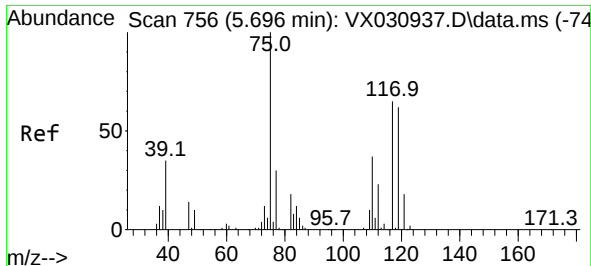
Tgt Ion:114 Resp: 360774
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 17.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.783 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion:113 Resp: 132394
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 19.3 14.8 22.2

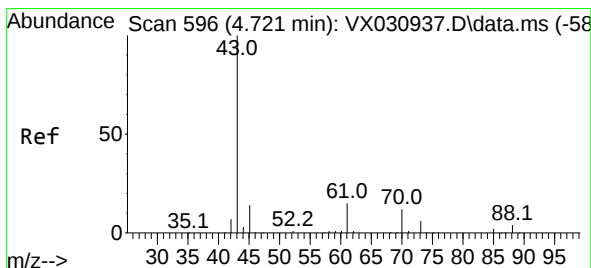
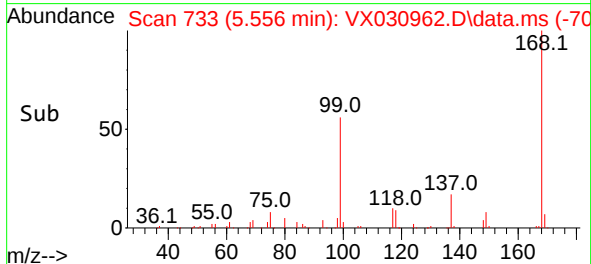
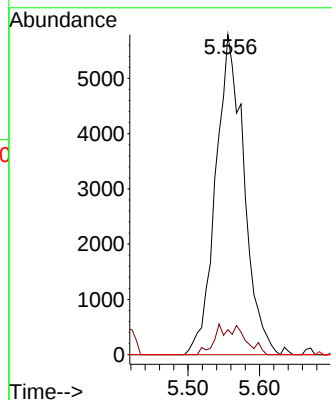
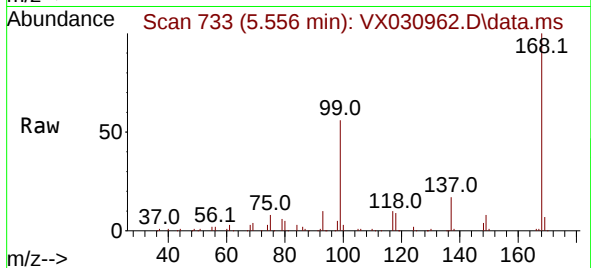




#36
1,1-Dichloropropene
Concen: 4.022 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

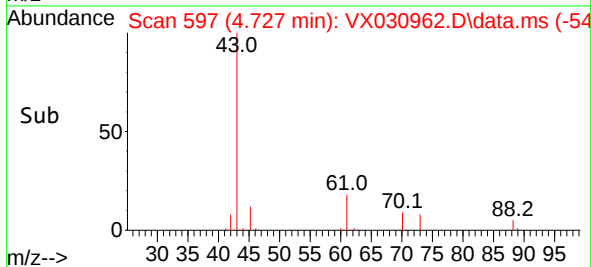
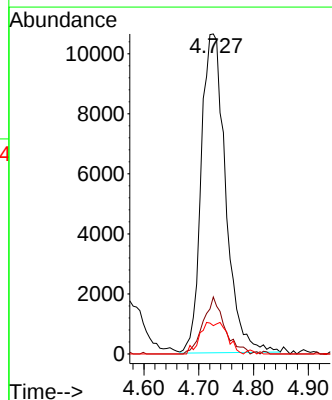
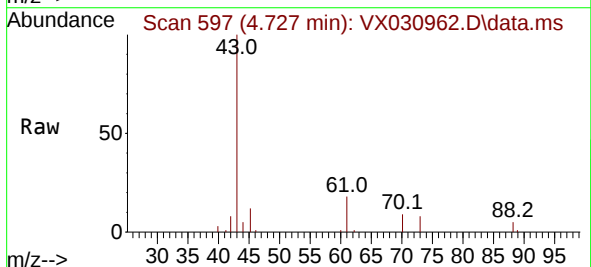
Instrument :
MSVOA_X
ClientSampleId :
WC-3

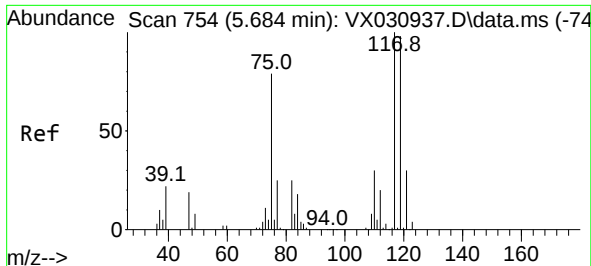
Tgt Ion: 75 Resp: 15896
Ion Ratio Lower Upper
75 100
110 5.4 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 7.895 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

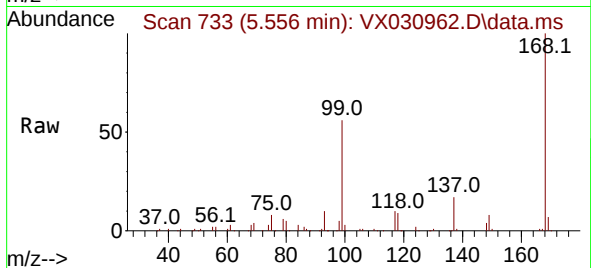
Tgt Ion: 43 Resp: 32806
Ion Ratio Lower Upper
43 100
61 15.7 11.7 17.5
70 5.8 9.3 13.9#



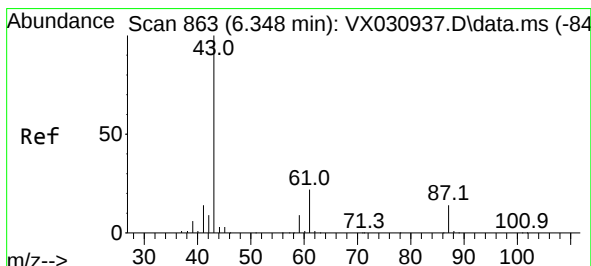
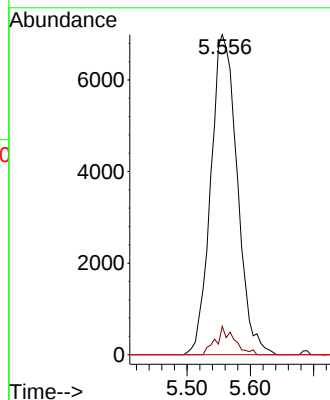
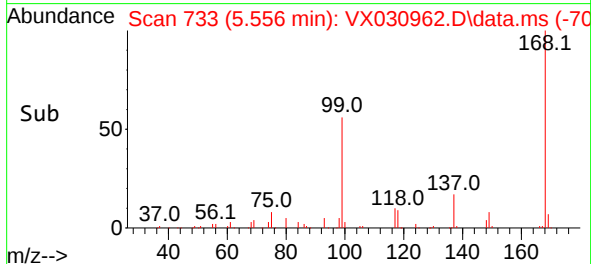


#38
Carbon Tetrachloride
Concen: 5.388 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Instrument :
MSVOA_X
ClientSampleId :
WC-3

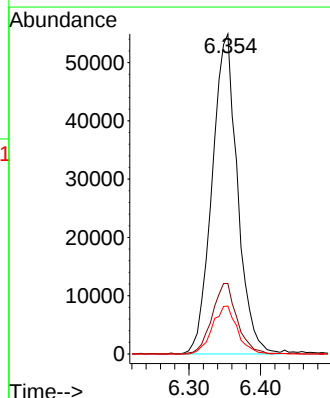
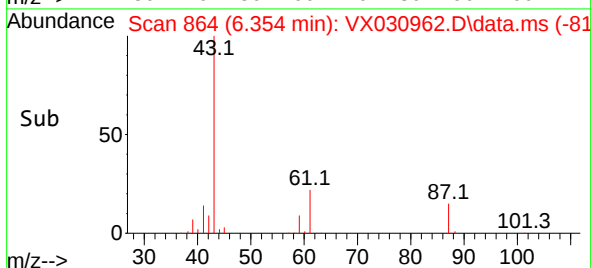
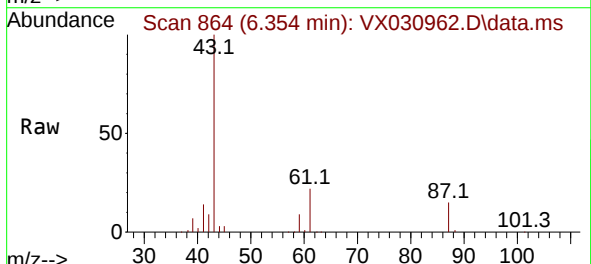


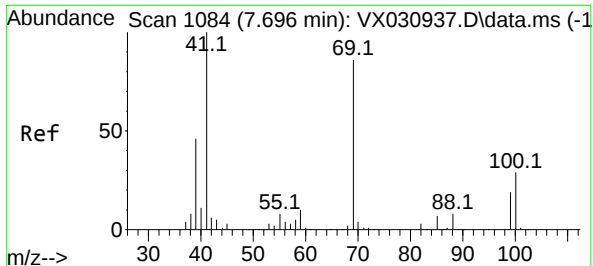
Tgt Ion:117 Resp: 20275
Ion Ratio Lower Upper
117 100
119 8.8 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 21.015 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion: 43 Resp: 135514
Ion Ratio Lower Upper
43 100
61 21.7 16.5 24.7
87 14.6 11.1 16.7





#48

Methyl methacrylate

Concen: 34.046 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Instrument :

MSVOA_X

ClientSampleId :

WC-3

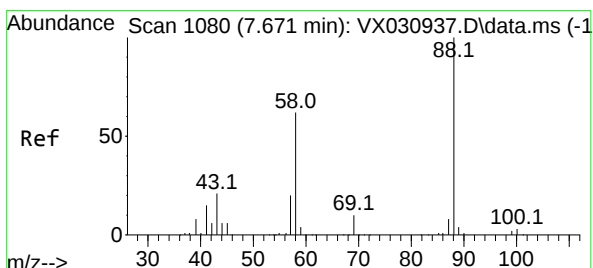
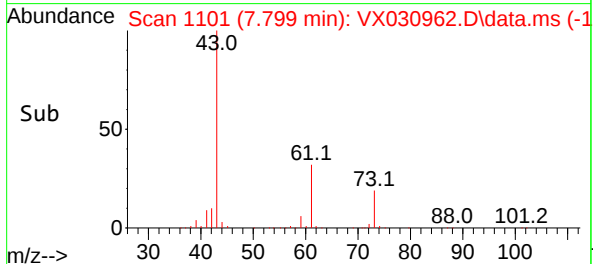
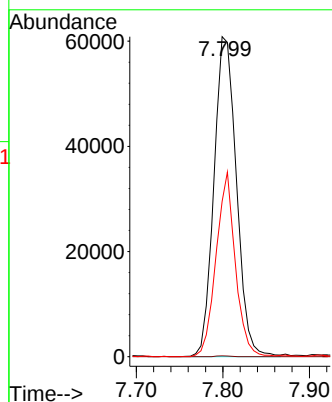
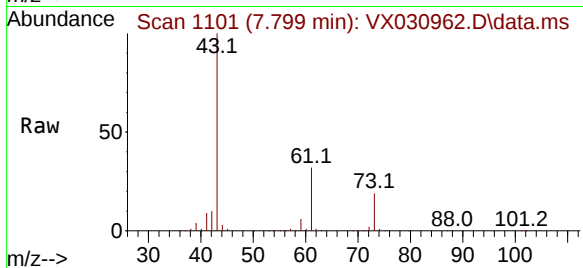
Tgt Ion: 41 Resp: 109890

Ion Ratio Lower Upper

41 100

69 0.1 68.8 103.2#

39 49.4 44.6 66.8



#49

1,4-Dioxane

Concen: 4.303 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.122 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

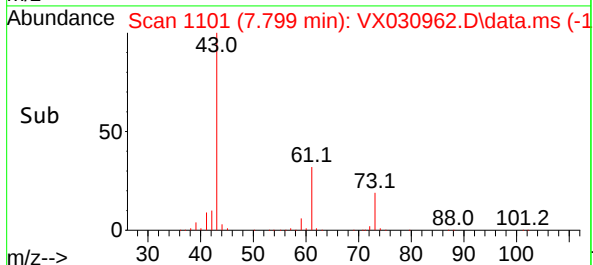
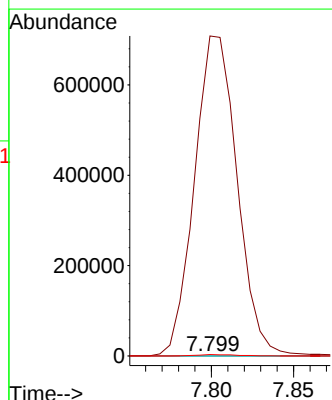
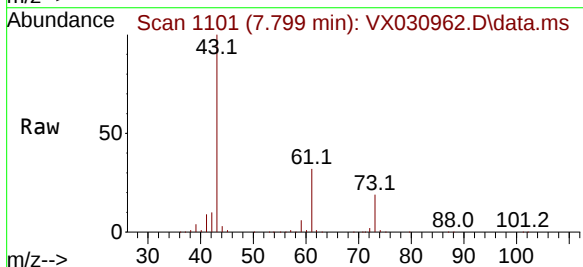
Tgt Ion: 88 Resp: 365

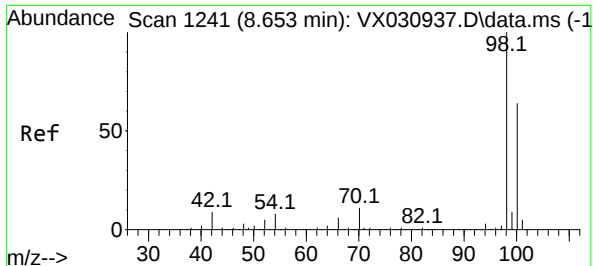
Ion Ratio Lower Upper

88 100

43 352763.6 23.8 35.8#

58 1470.1 53.8 80.6#

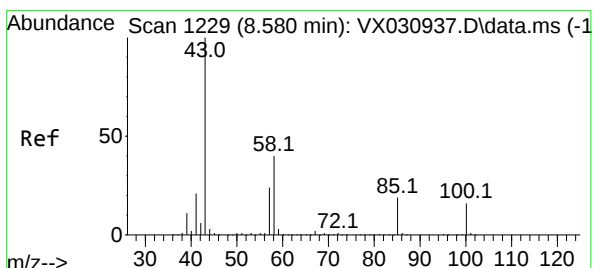
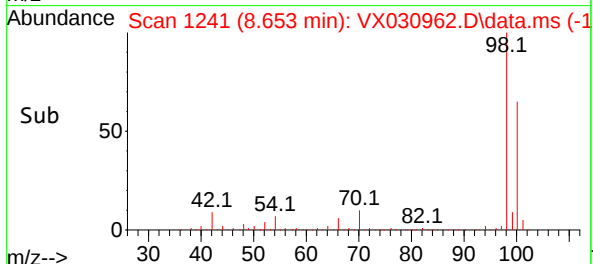
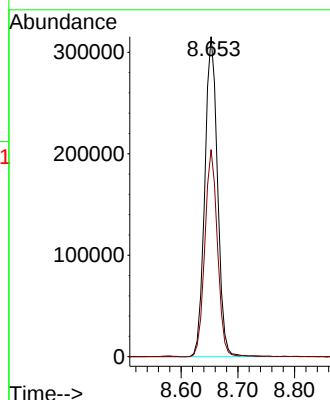
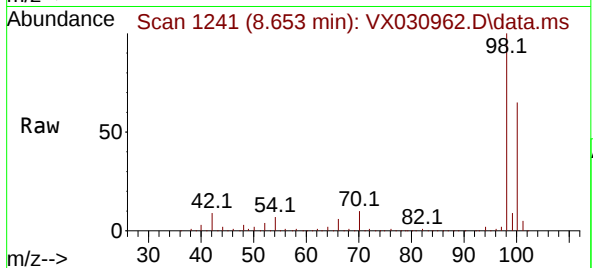




#50
Toluene-d8
Concen: 49.962 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

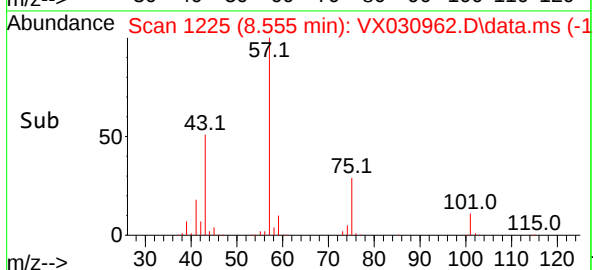
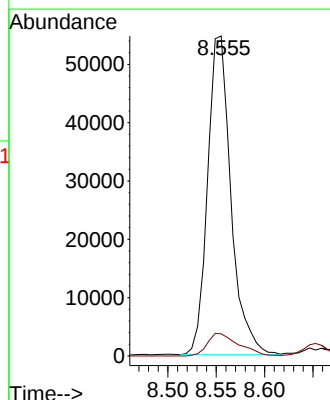
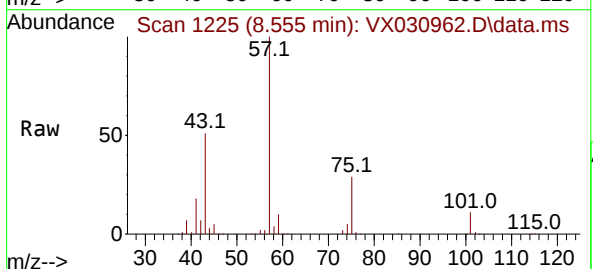
Instrument :
MSVOA_X
ClientSampleId :
WC-3

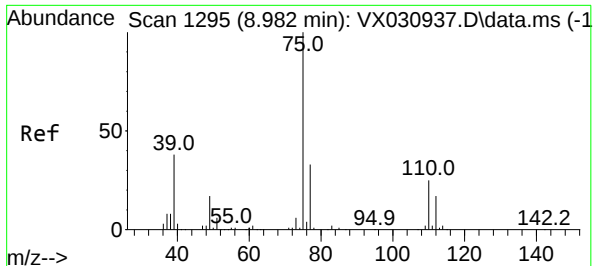
Tgt Ion: 98 Resp: 492066
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 21.618 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion: 43 Resp: 92007
Ion Ratio Lower Upper
43 100
58 9.5 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.285 ug/l

RT: 8.964 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Instrument :

MSVOA_X

ClientSampleId :

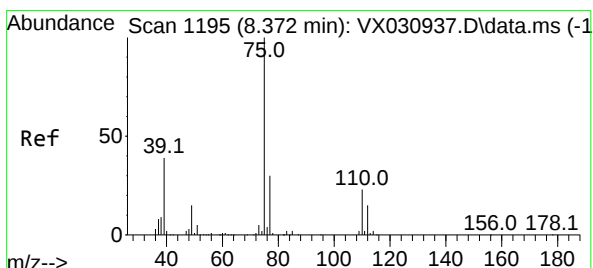
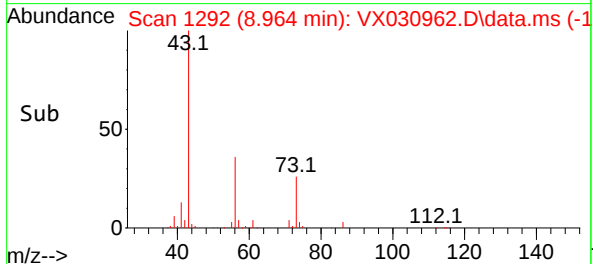
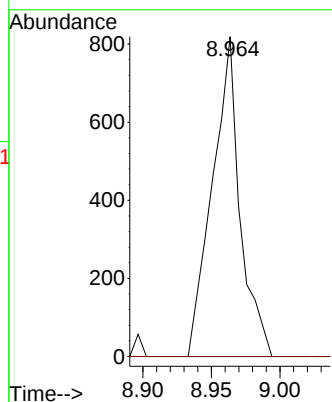
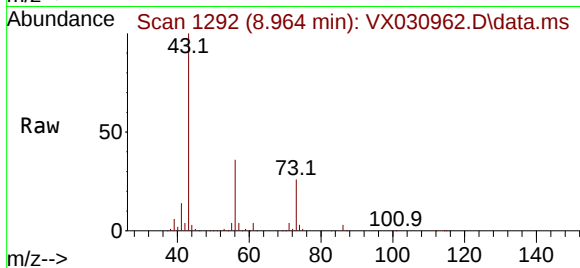
WC-3

Tgt Ion: 75 Resp: 1148

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 10.792 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

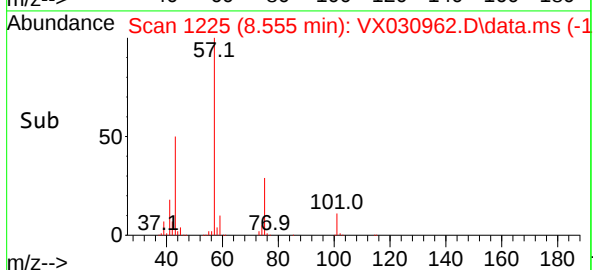
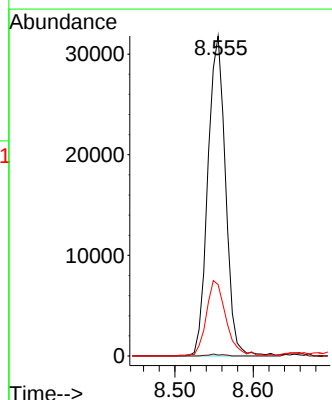
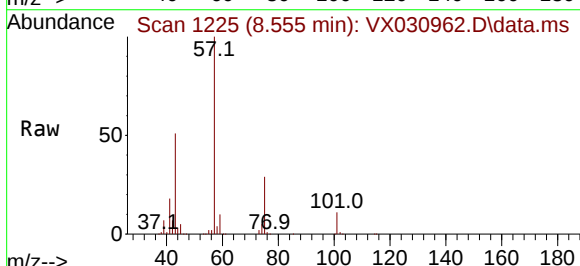
Tgt Ion: 75 Resp: 49737

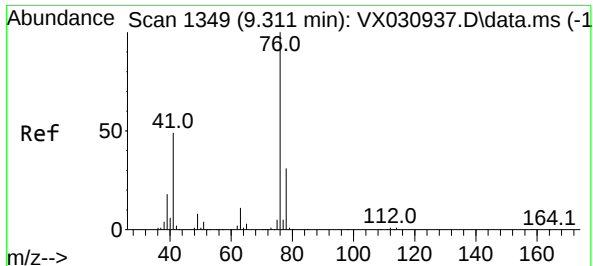
Ion Ratio Lower Upper

75 100

77 0.3 25.0 37.4#

39 22.0 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.366 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Instrument :

MSVOA_X

ClientSampleId :

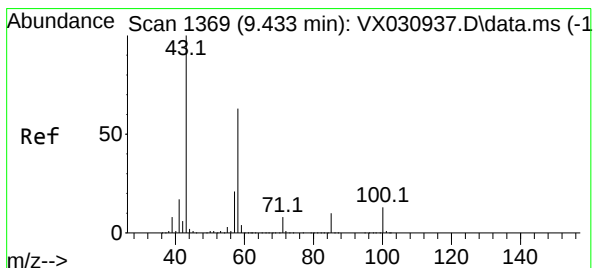
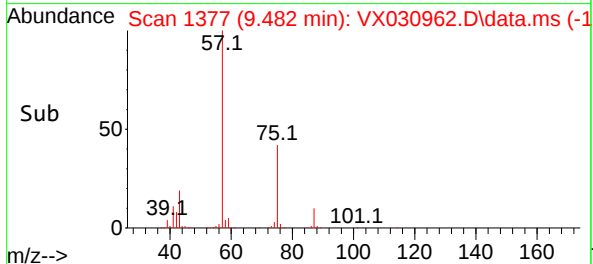
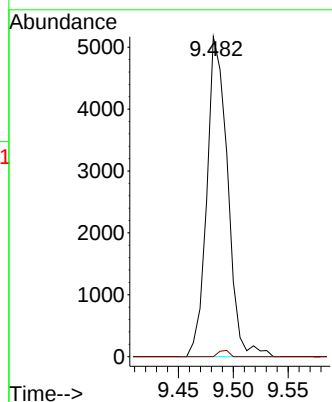
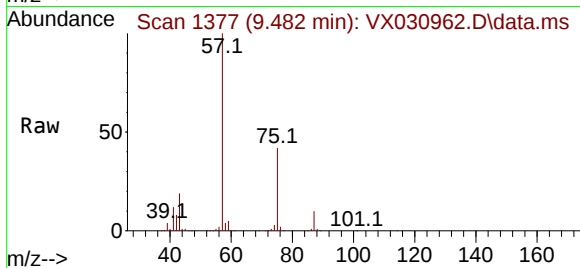
WC-3

Tgt Ion: 76 Resp: 6801

Ion Ratio Lower Upper

76 100

78 1.0 25.9 38.9#



#59

2-Hexanone

Concen: 37.219 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX030962.D

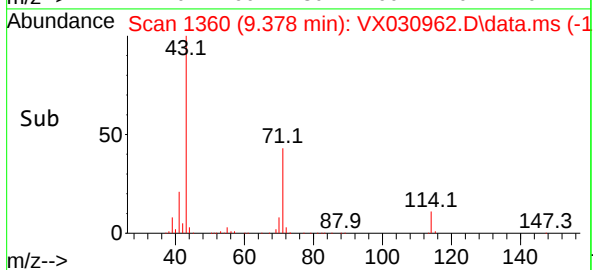
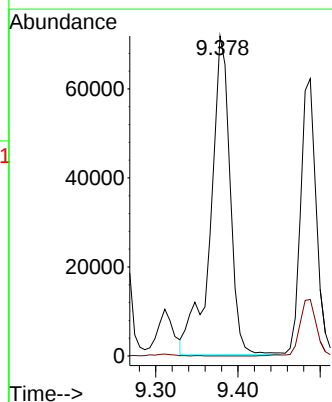
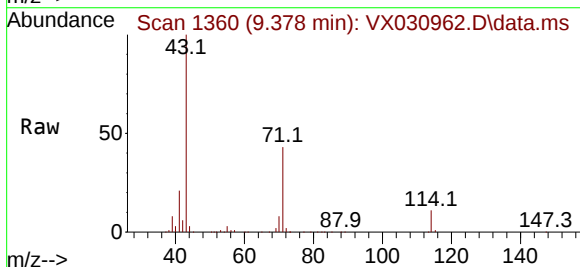
Acq: 31 Aug 2022 00:27

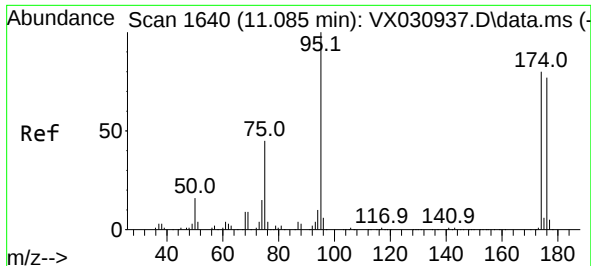
Tgt Ion: 43 Resp: 117792

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 47.123 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Instrument :

MSVOA_X

ClientSampleId :

WC-3

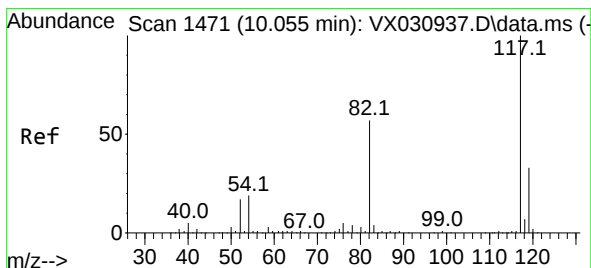
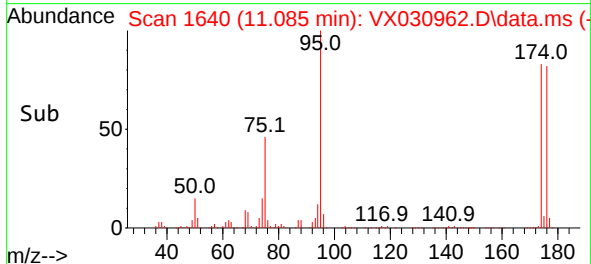
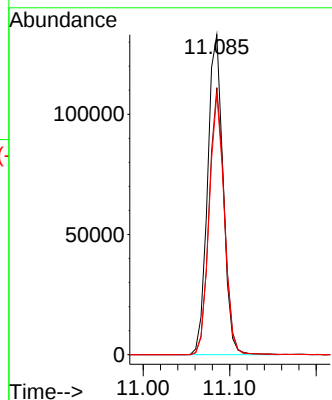
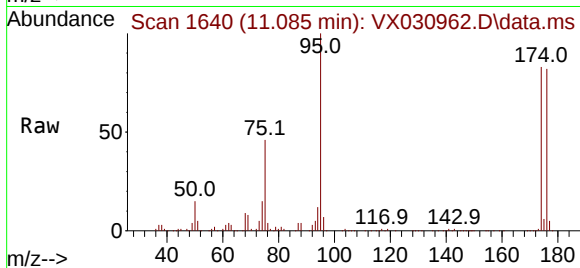
Tgt Ion: 95 Resp: 165270

Ion Ratio Lower Upper

95 100

174 81.9 0.0 149.0

176 79.0 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: VX030962.D

Acq: 31 Aug 2022 00:27

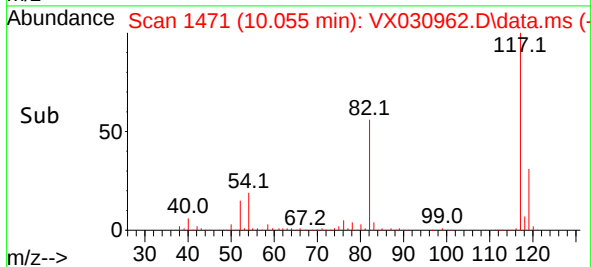
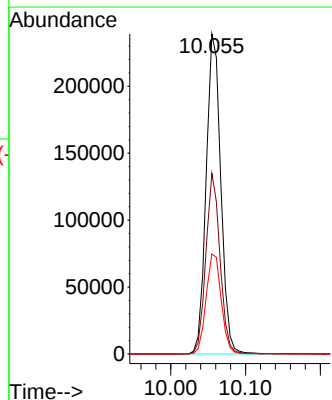
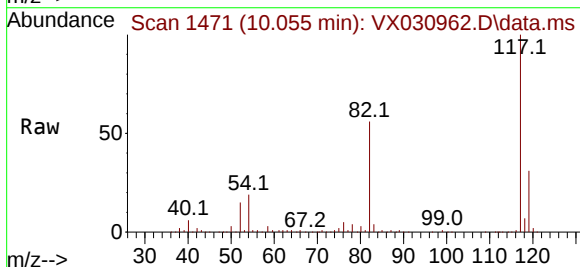
Tgt Ion: 117 Resp: 324958

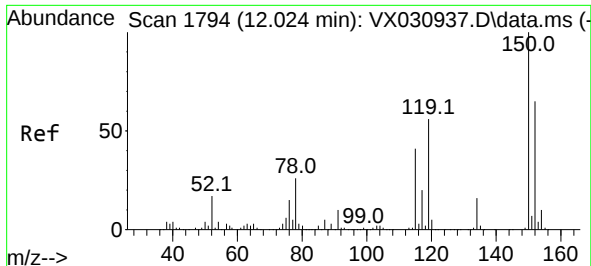
Ion Ratio Lower Upper

117 100

82 56.5 42.7 64.1

119 31.2 25.4 38.2

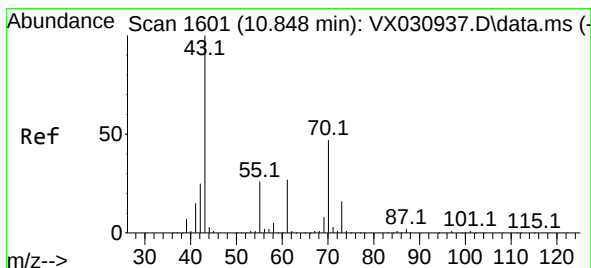
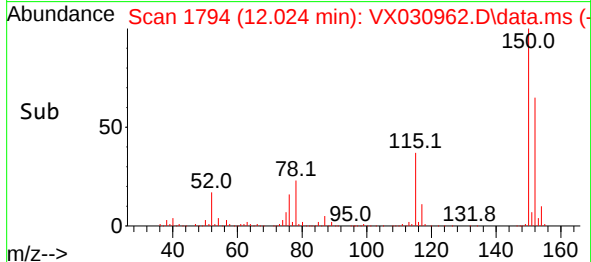
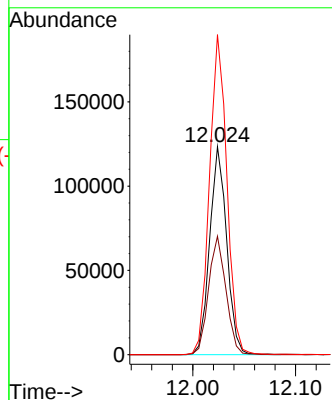
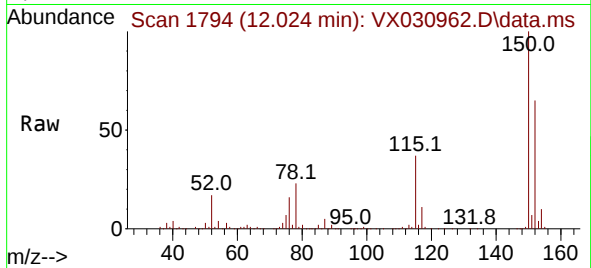




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

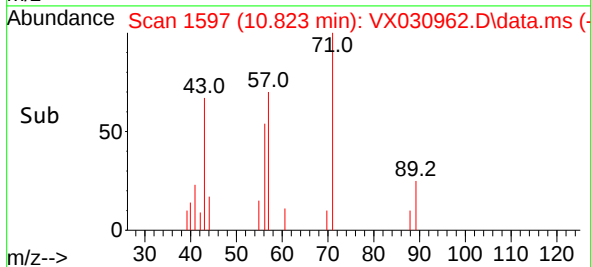
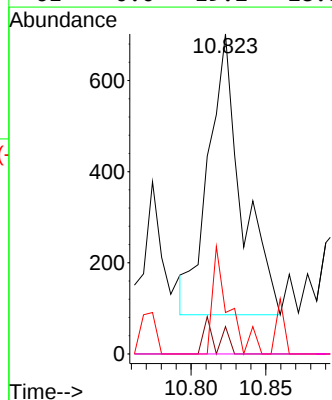
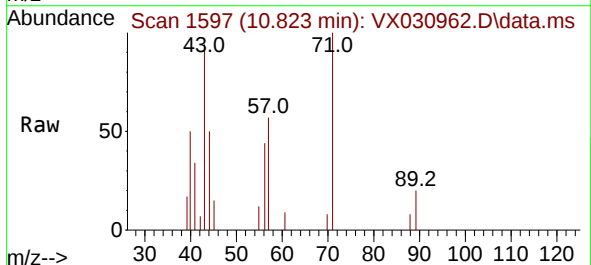
Instrument :
MSVOA_X
ClientSampleId :
WC-3

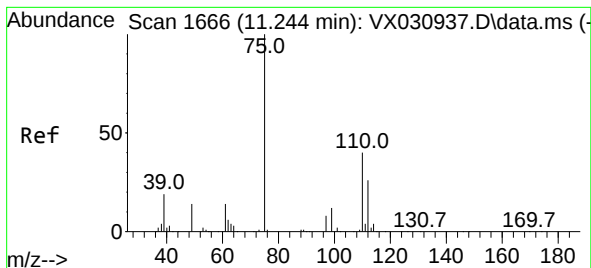
Tgt Ion:152 Resp: 142173
Ion Ratio Lower Upper
152 100
115 58.2 40.5 121.5
150 156.8 0.0 347.0



#74
N-ethyl acetate
Concen: 0.219 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.025 min
Lab File: VX030962.D
Acq: 31 Aug 2022 00:27

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
70 5.5 32.3 48.5#
55 18.7 18.4 27.6
61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 22.411 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Instrument :

MSVOA_X

ClientSampleId :

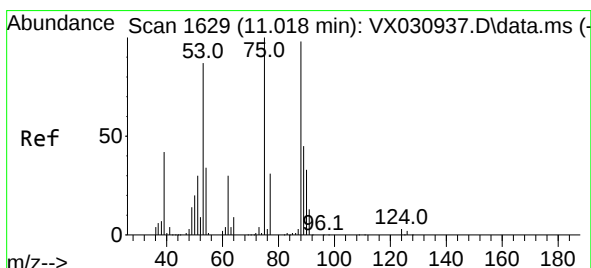
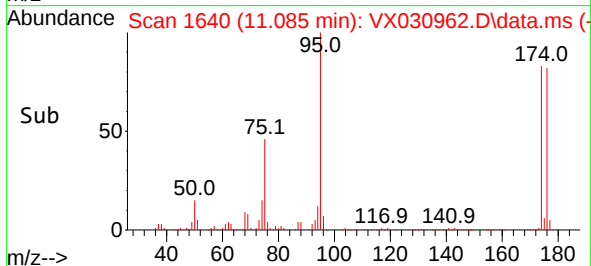
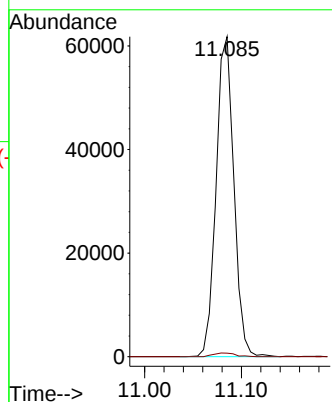
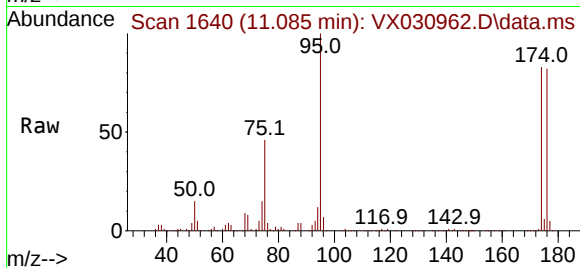
WC-3

Tgt Ion: 75 Resp: 78442

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.632 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX030962.D

Acq: 31 Aug 2022 00:27

Tgt Ion: 75 Resp: 78442

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

