

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030960.D
 Acq On : 30 Aug 2022 23:39
 Operator : JC/MD
 Sample : N4375-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Sep 06 01:21:17 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)

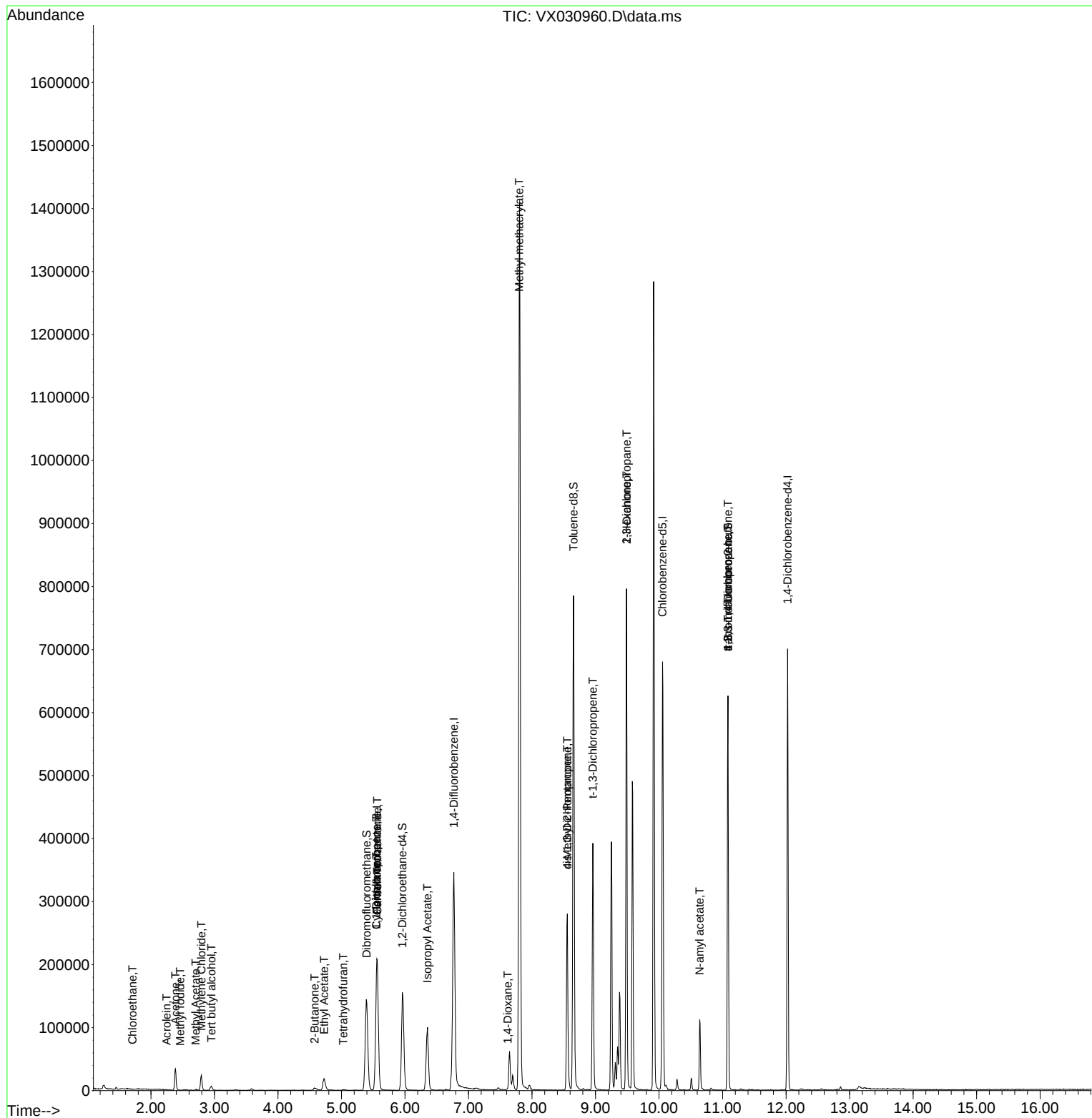
Internal Standards						
1) Pentafluorobenzene	5.556	168	203404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	356360	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148173	50.789	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.580%	
35) Dibromofluoromethane	5.397	113	129079	49.137	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.280%	
50) Toluene-d8	8.653	98	495540	50.938	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	11.085	95	169576	48.949	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	142	Below Cal		86
6) Chloroethane	1.709	64	585	0.380	ug/l #	41
10) Methyl Iodide	2.459	142	98	4.415	ug/l #	45
11) Tert butyl alcohol	2.952	59	4052	5.862	ug/l #	79
13) Acrolein	2.245	56	95	7.537	ug/l #	14
16) Acetone	2.385	43	34998	26.580	ug/l	98
18) Methyl Acetate	2.702	43	1538	0.398	ug/l	91
20) Methylene Chloride	2.794	84	11406	3.810	ug/l #	83
25) 2-Butanone	4.574	43	4648	2.181	ug/l #	81
29) Tetrahydrofuran	5.025	42	1097	0.796	ug/l #	42
31) Cyclohexane	5.549	56	3571	0.827	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	16228	4.156	ug/l #	48
37) Ethyl Acetate	4.726	43	32081	7.816	ug/l	100
38) Carbon Tetrachloride	5.562	117	20322	5.467	ug/l #	17
43) Isopropyl Acetate	6.354	43	133011	20.883	ug/l	99
48) Methyl methacrylate	7.799	41	118043	37.025	ug/l #	39
49) 1,4-Dioxane	7.616	88	20	0.239	ug/l #	25
51) 4-Methyl-2-Pentanone	8.555	43	90758	21.589	ug/l #	52
53) t-1,3-Dichloropropene	8.957	75	1055	0.265	ug/l #	42
54) cis-1,3-Dichloropropene	8.555	75	47812	10.503	ug/l #	58
57) 1,3-Dichloropropane	9.488	76	6854	1.393	ug/l #	43
59) 2-Hexanone	9.488	43	81426	26.047	ug/l #	53
74) N-amyl acetate	10.640	43	27896	6.157	ug/l #	53
76) 1,2,3-Trichloropropane	11.085	75	75063	20.582	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	75063	61.194	ug/l #	12

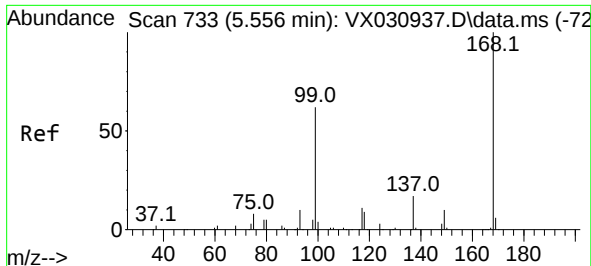
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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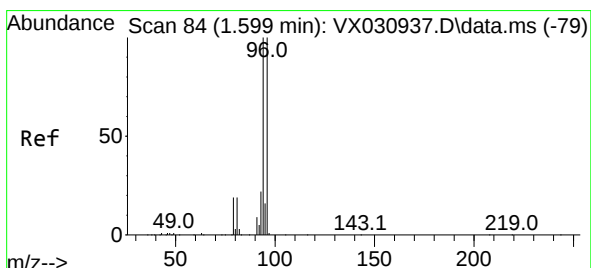
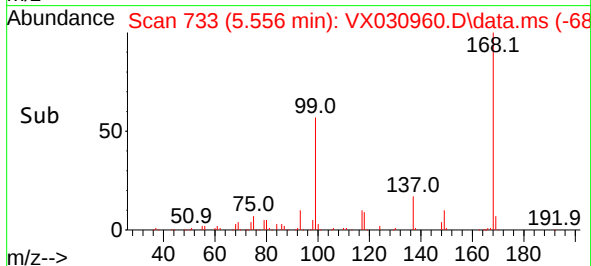
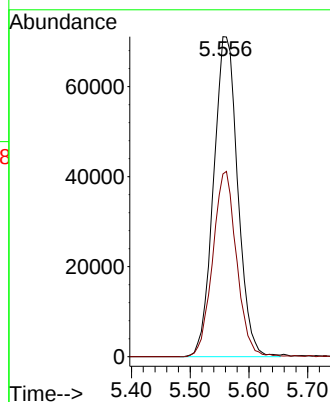
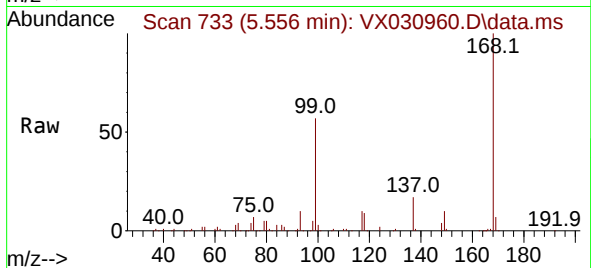




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

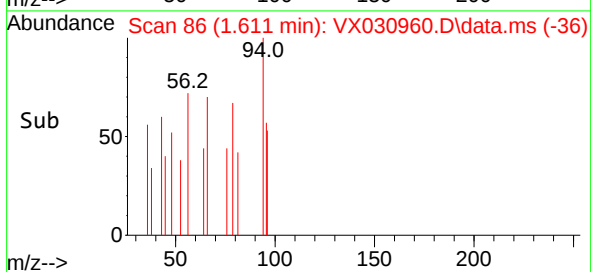
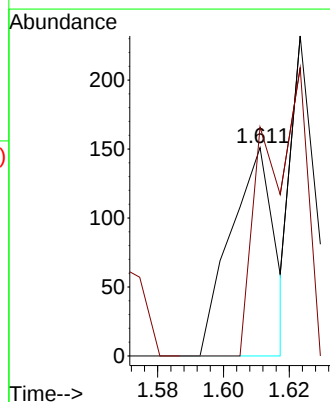
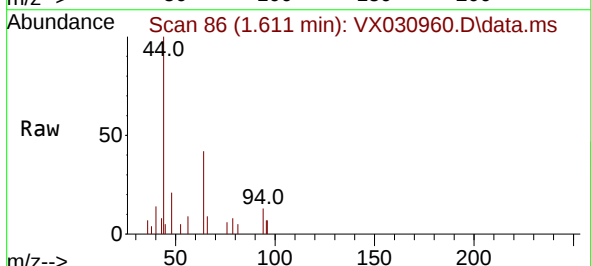
Instrument :
MSVOA_X
ClientSampleId :
WC-1

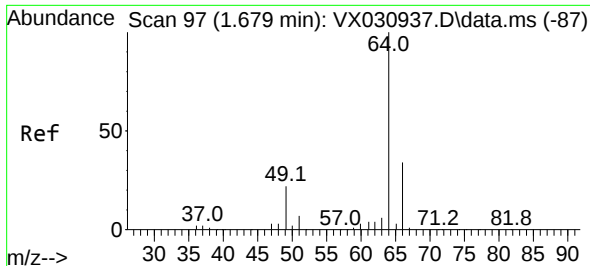
Tgt Ion:168 Resp: 203404
Ion Ratio Lower Upper
168 100
99 57.1 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 109.9 76.9 115.3

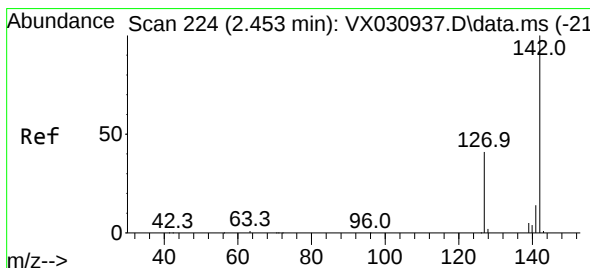
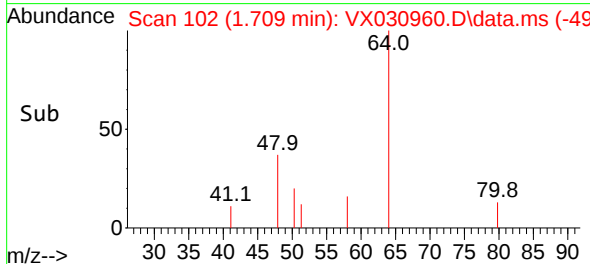
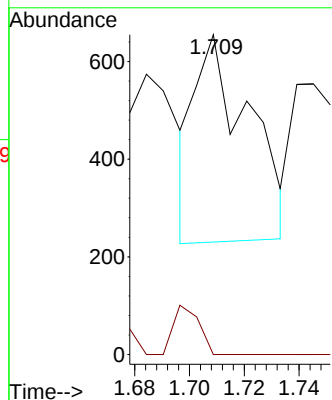
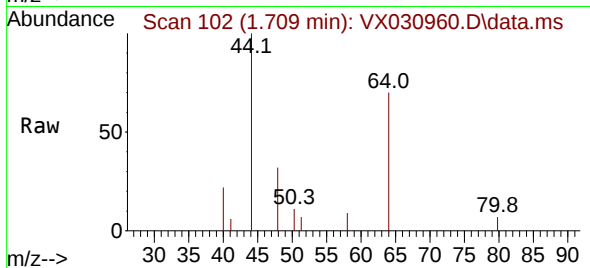




#6
Chloroethane
Concen: 0.380 ug/l
RT: 1.709 min Scan# 10
Delta R.T. 0.024 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

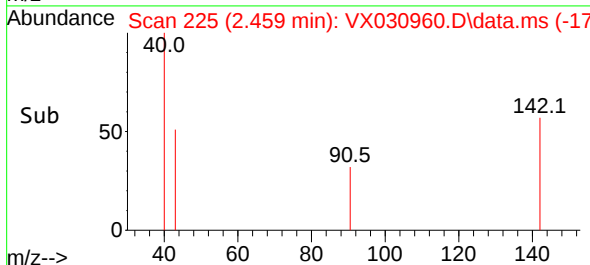
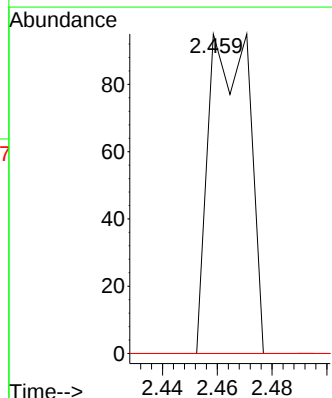
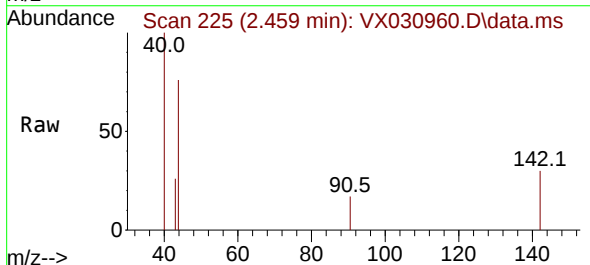
Instrument :
MSVOA_X
ClientSampleId :
WC-1

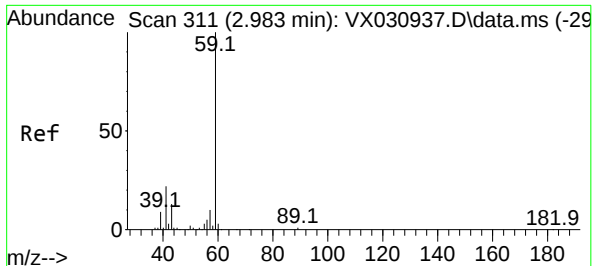
Tgt Ion: 64 Resp: 585
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.415 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion: 142 Resp: 98
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

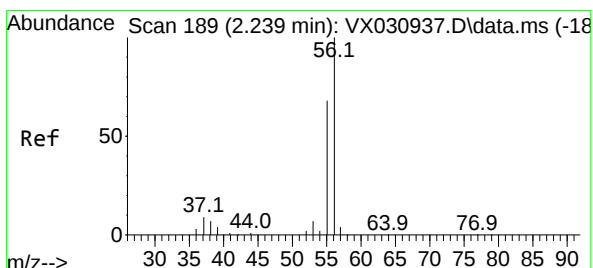
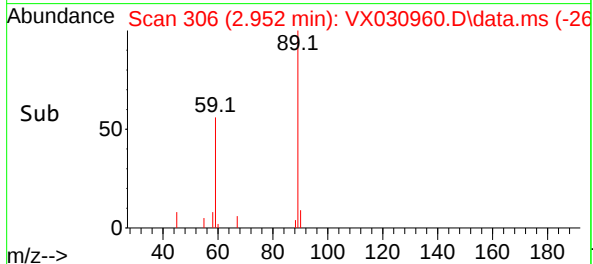
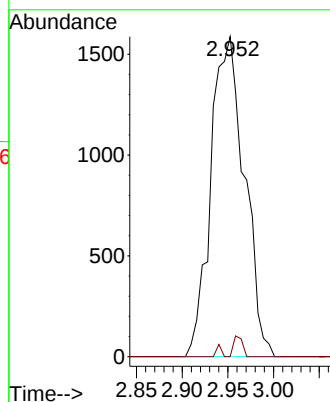
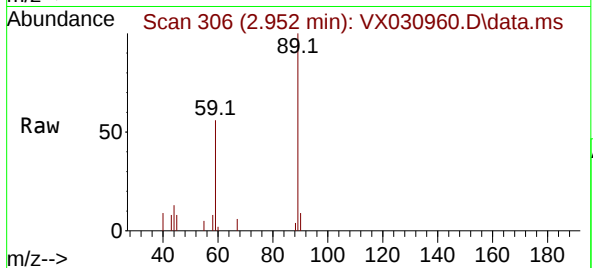




#11
Tert butyl alcohol
Concen: 5.862 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

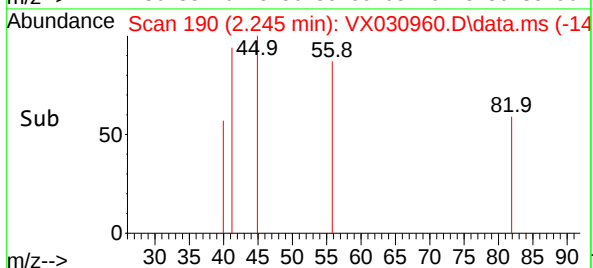
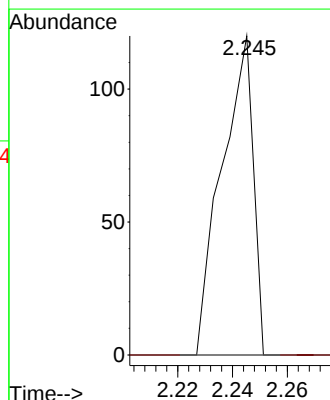
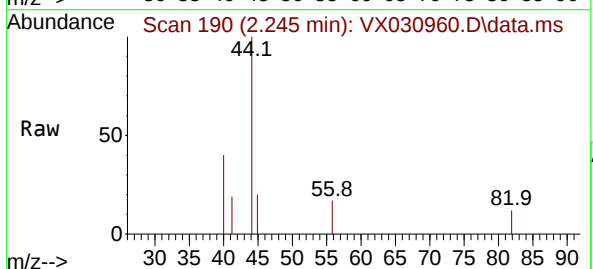
Instrument :
MSVOA_X
ClientSampleId :
WC-1

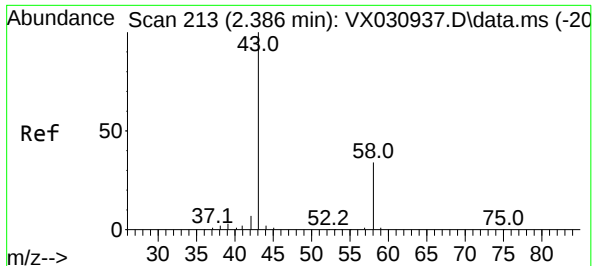
Tgt Ion: 59 Resp: 4052
Ion Ratio Lower Upper
59 100
57 1.7 7.4 11.2#



#13
Acrolein
Concen: 7.537 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

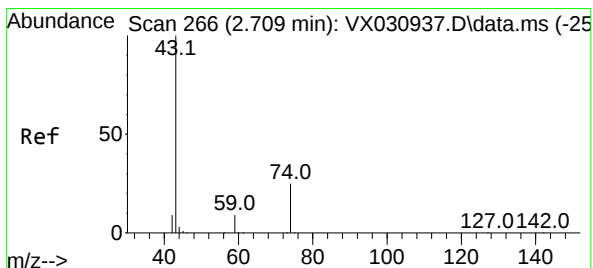
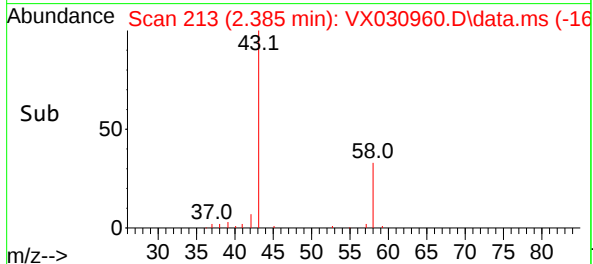
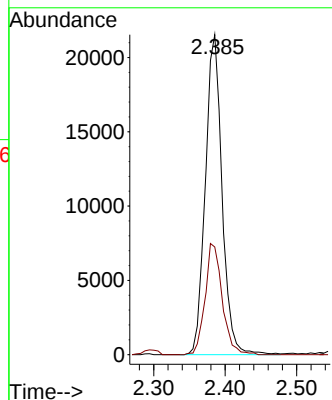
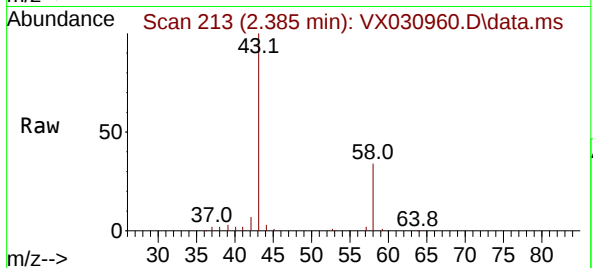




#16
Acetone
Concen: 26.580 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.001 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

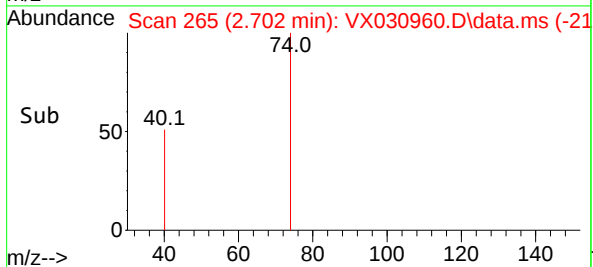
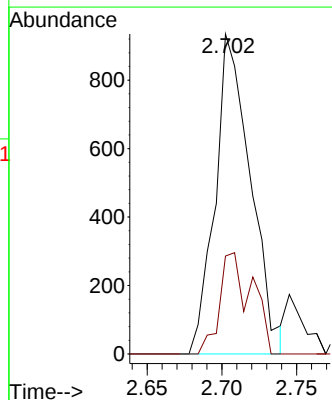
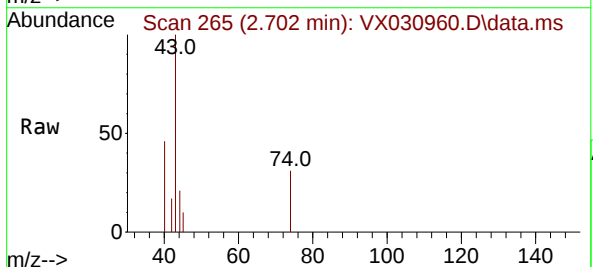
Instrument :
MSVOA_X
ClientSampleId :
WC-1

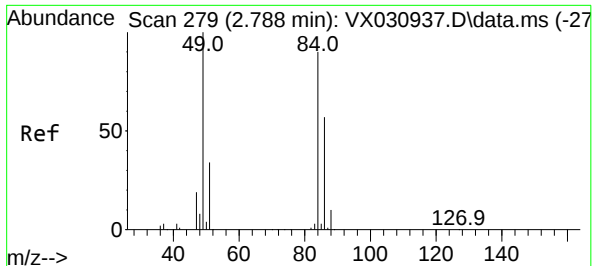
Tgt Ion: 43 Resp: 34998
Ion Ratio Lower Upper
43 100
58 33.7 27.7 41.5



#18
Methyl Acetate
Concen: 0.398 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
74 28.7 19.4 29.2

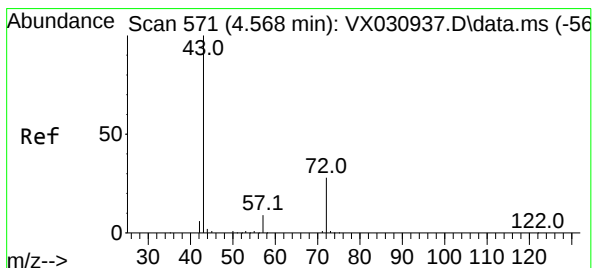
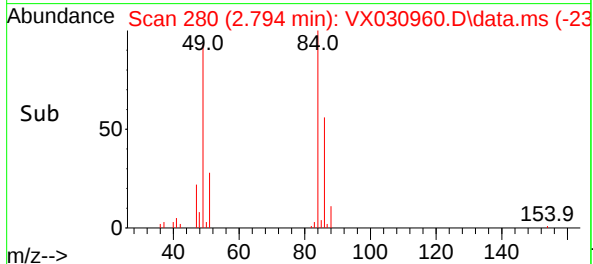
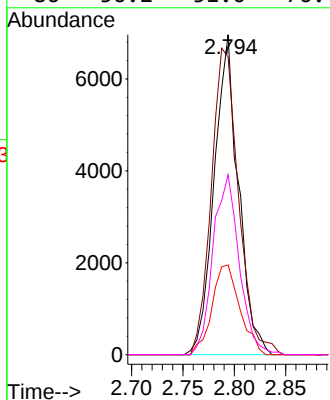
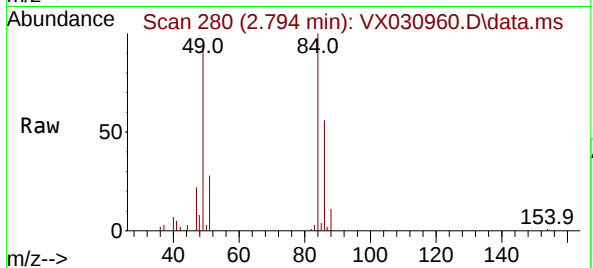




#20
Methylene Chloride
Concen: 3.810 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

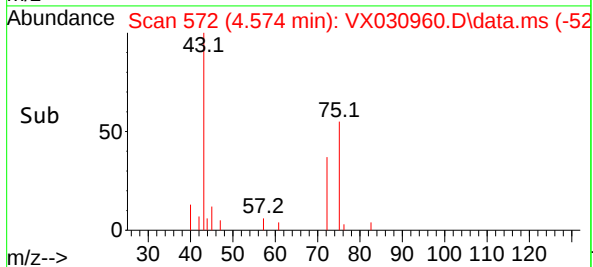
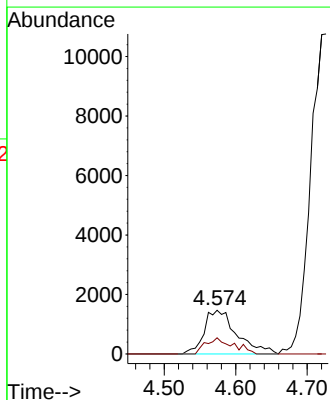
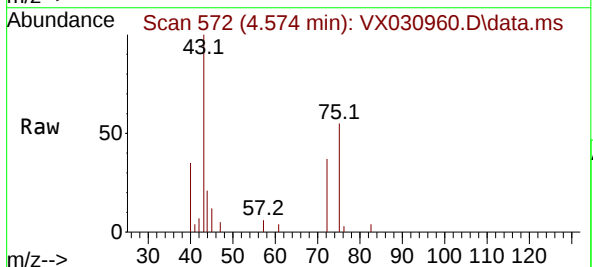
Instrument :
MSVOA_X
ClientSampleId :
WC-1

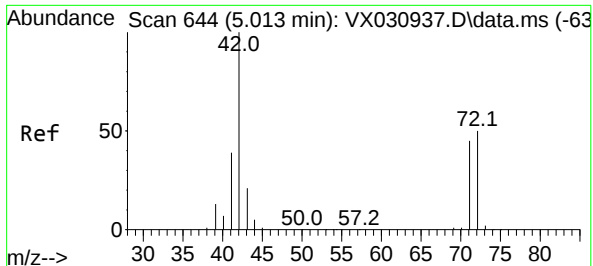
Tgt Ion:	84	Resp:	11406
Ion	Ratio	Lower	Upper
84	100		
49	93.1	93.8	140.6#
51	28.1	29.4	44.0#
86	56.2	51.0	76.4



#25
2-Butanone
Concen: 2.181 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion:	43	Resp:	4648
Ion	Ratio	Lower	Upper
43	100		
72	37.1	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.796 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

WC-1

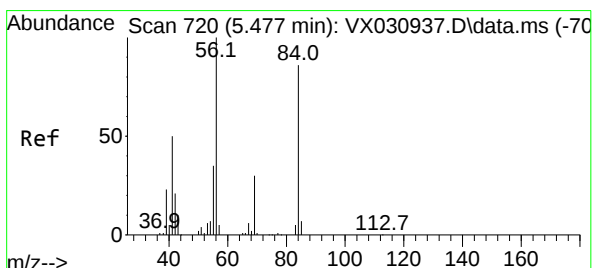
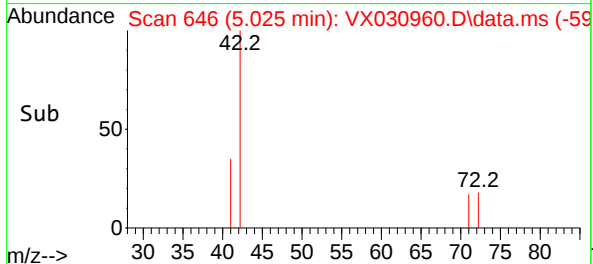
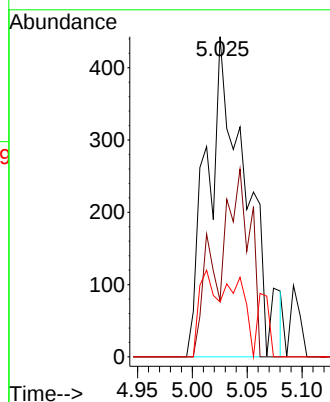
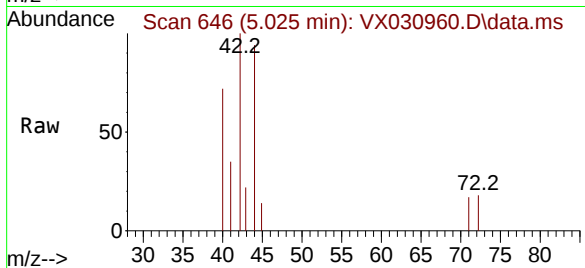
Tgt Ion: 42 Resp: 1097

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 12.7 33.9 50.9#



#31

Cyclohexane

Concen: 0.827 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.072 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

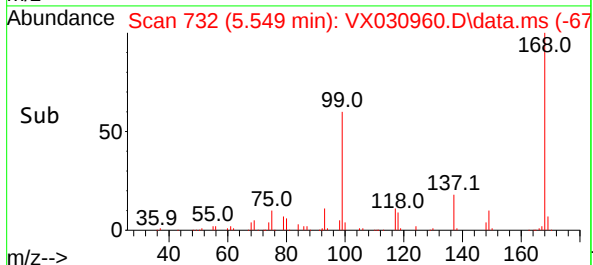
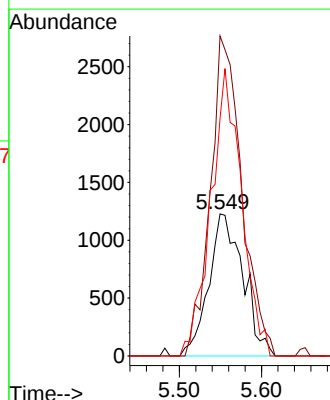
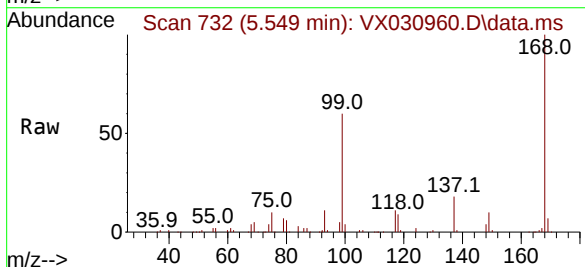
Tgt Ion: 56 Resp: 3571

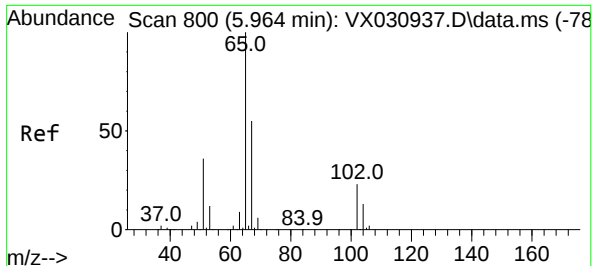
Ion Ratio Lower Upper

56 100

69 225.2 25.4 38.0#

84 167.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 50.789 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

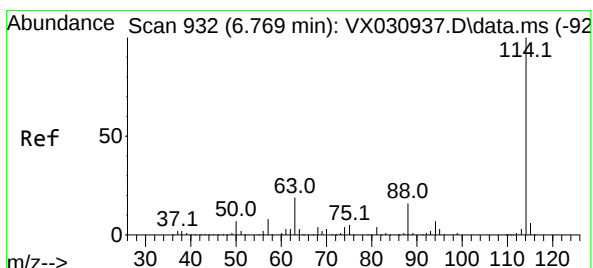
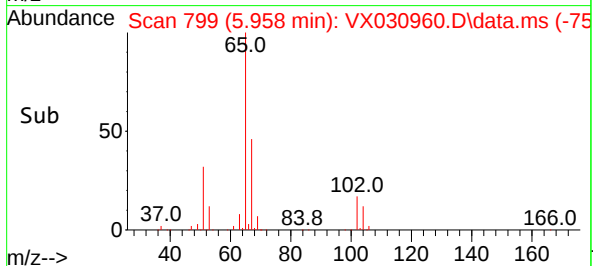
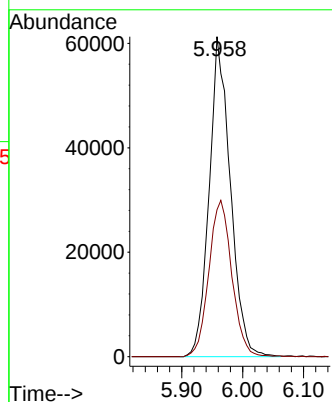
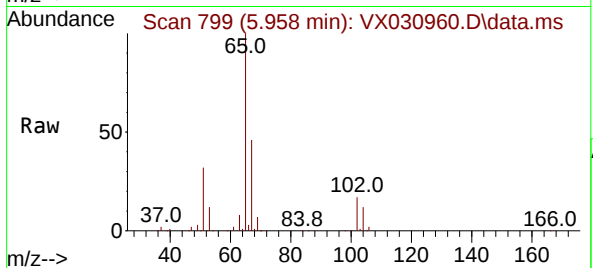
WC-1

Tgt Ion: 65 Resp: 148173

Ion Ratio Lower Upper

65 100

67 53.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

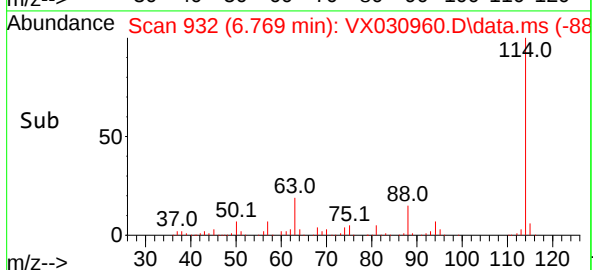
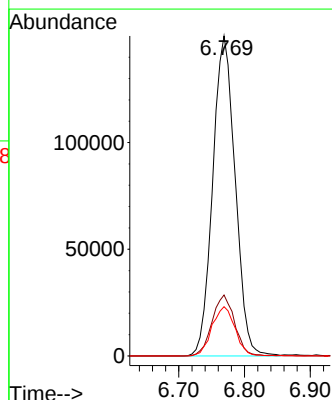
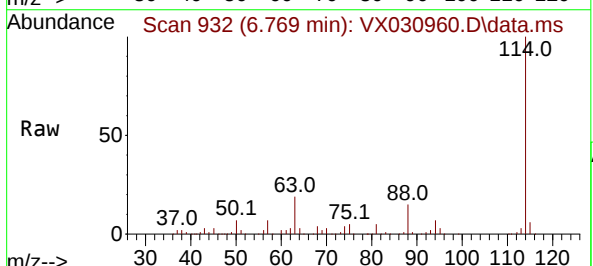
Tgt Ion: 114 Resp: 356360

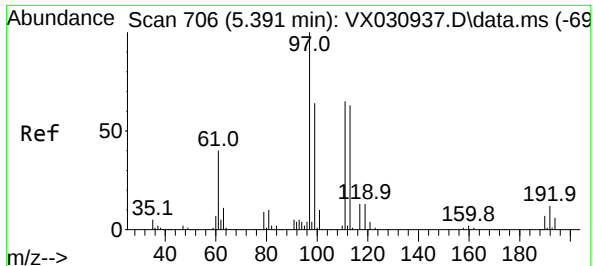
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.137 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

WC-1

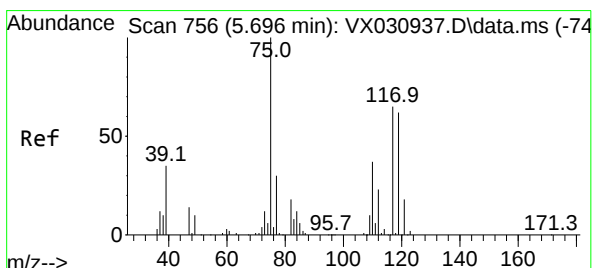
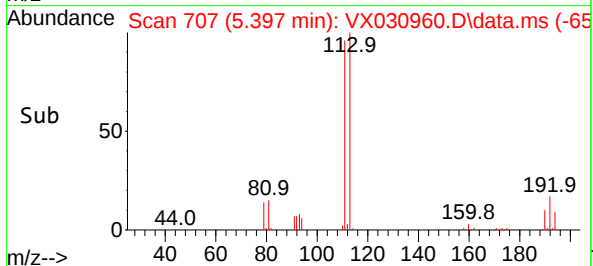
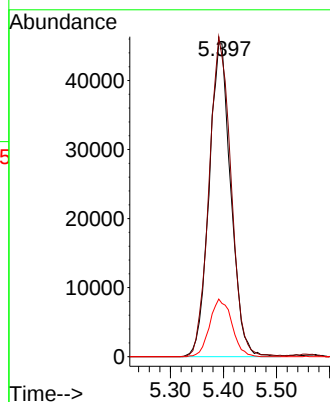
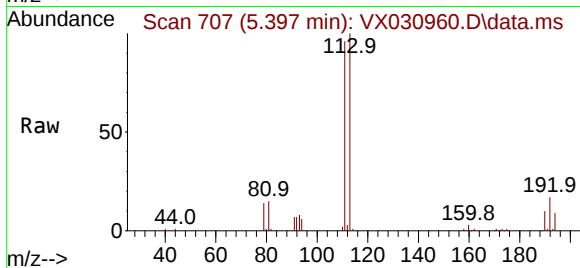
Tgt Ion:113 Resp: 129079

Ion Ratio Lower Upper

113 100

111 103.1 83.2 124.8

192 18.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.156 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

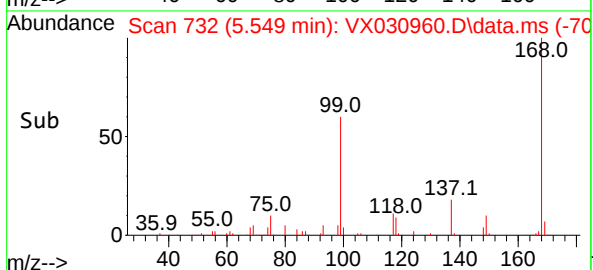
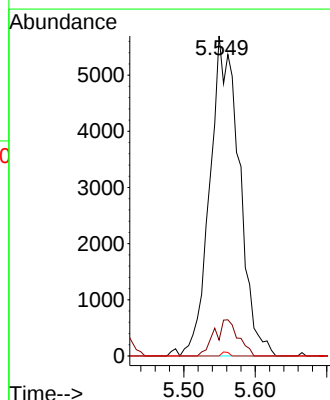
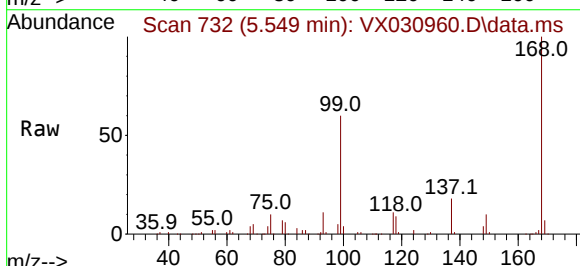
Tgt Ion: 75 Resp: 16228

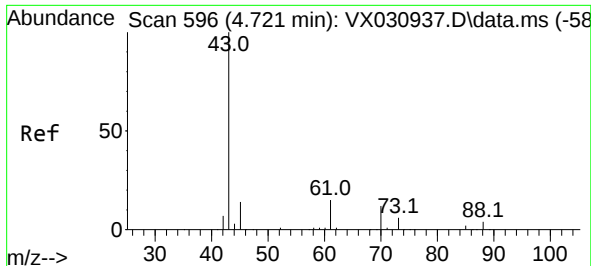
Ion Ratio Lower Upper

75 100

110 9.1 19.3 57.9#

77 0.3 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.816 ug/l

RT: 4.726 min Scan# 596

Delta R.T. 0.005 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

WC-1

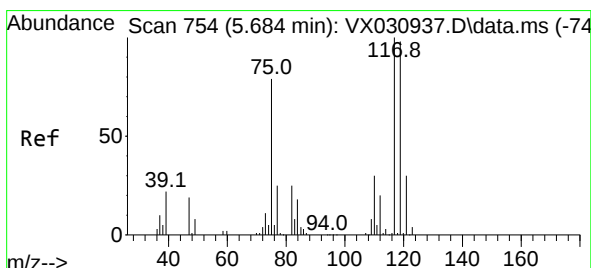
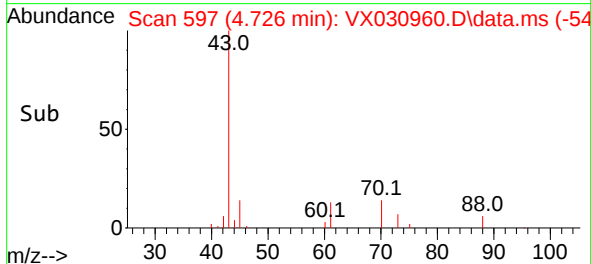
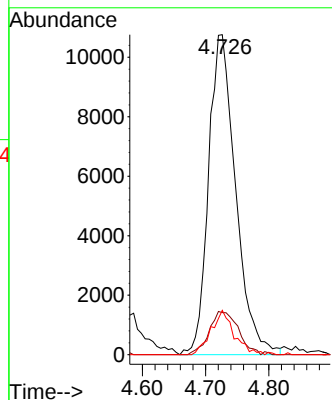
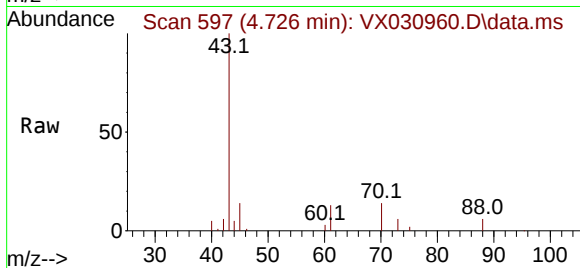
Tgt Ion: 43 Resp: 32081

Ion Ratio Lower Upper

43 100

61 14.6 11.7 17.5

70 11.8 9.3 13.9



#38

Carbon Tetrachloride

Concen: 5.467 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

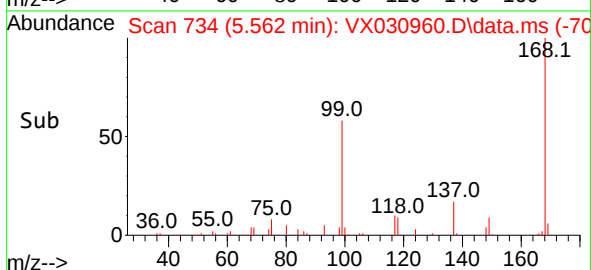
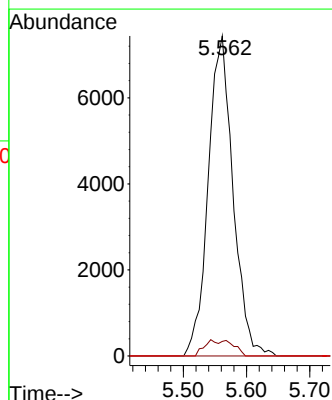
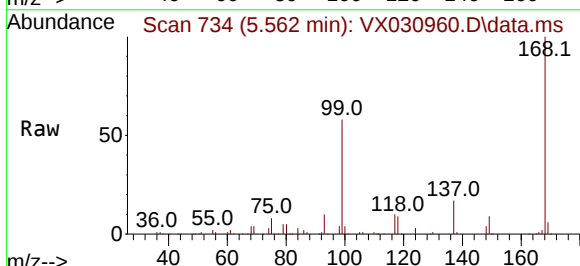
Tgt Ion: 117 Resp: 20322

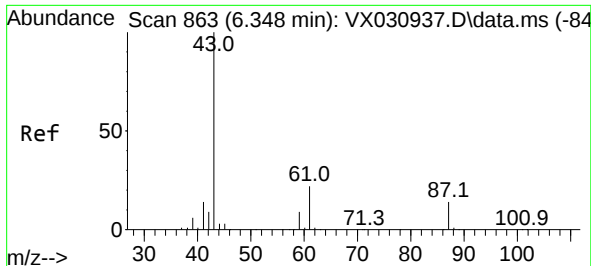
Ion Ratio Lower Upper

117 100

119 4.6 74.1 111.1#

121 0.0 25.8 38.8#

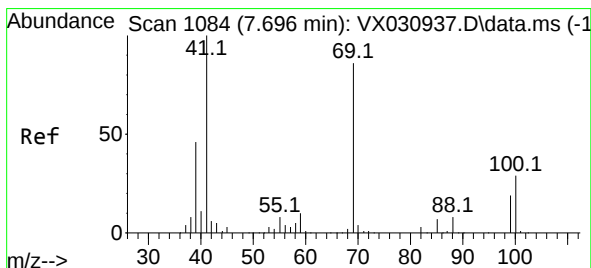
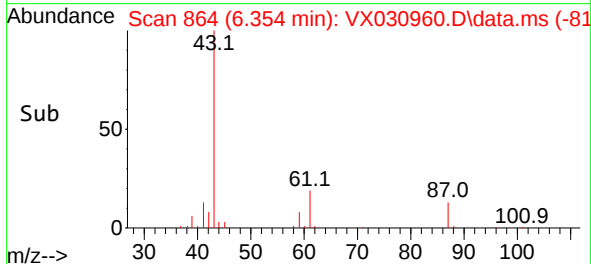
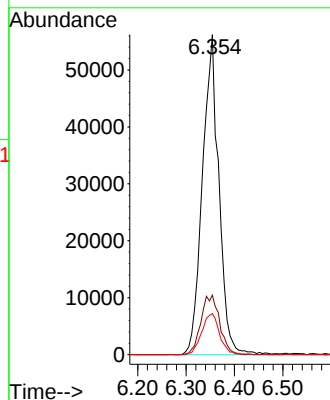
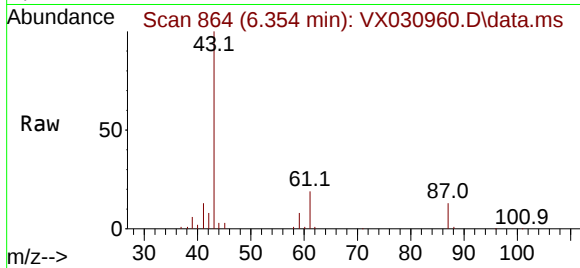




#43
Isopropyl Acetate
Concen: 20.883 ug/l
RT: 6.354 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

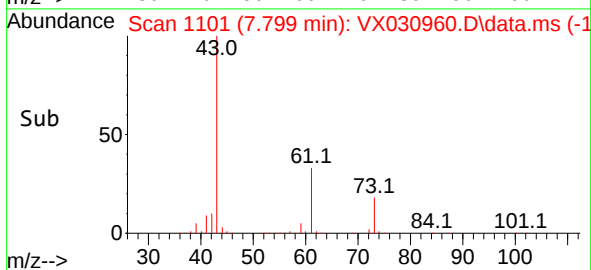
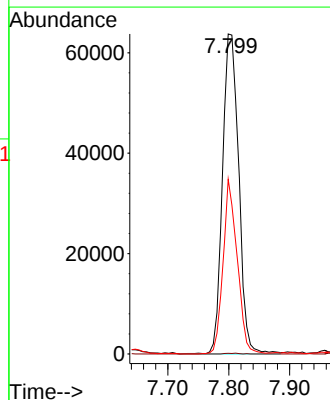
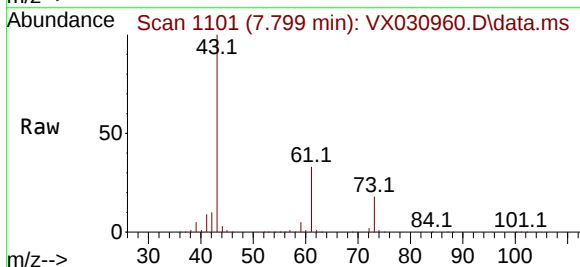
Instrument :
MSVOA_X
ClientSampleId :
WC-1

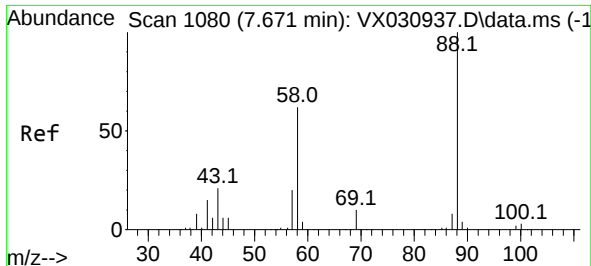
Tgt Ion: 43 Resp: 133011
Ion Ratio Lower Upper
43 100
61 21.1 16.5 24.7
87 14.0 11.1 16.7



#48
Methyl methacrylate
Concen: 37.025 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion: 41 Resp: 118043
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 47.4 44.6 66.8





#49

1,4-Dioxane

Concen: 0.239 ug/l

RT: 7.616 min Scan# 1080

Delta R.T. -0.061 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

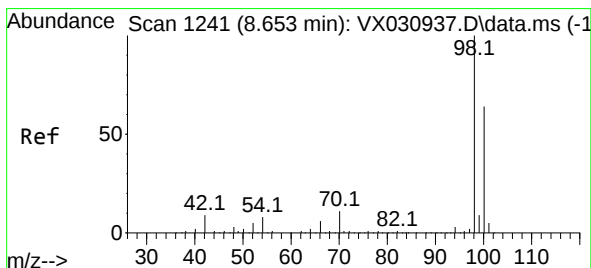
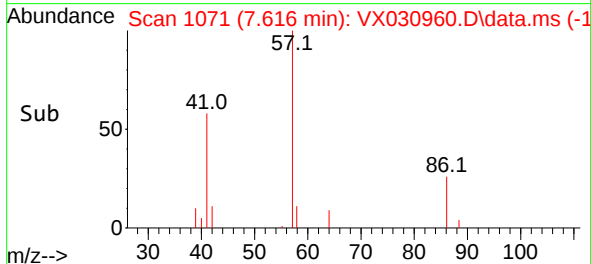
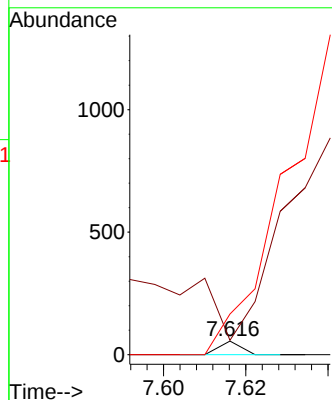
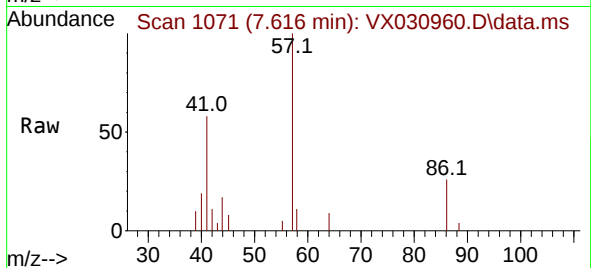
Instrument :

MSVOA_X

ClientSampleId :

WC-1

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 50.938 ug/l

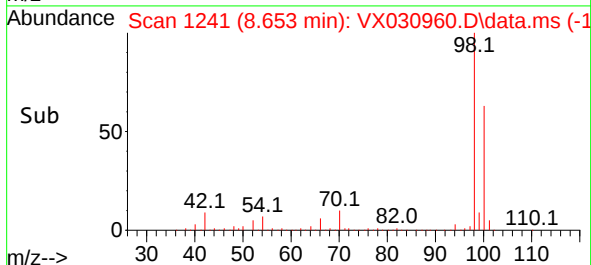
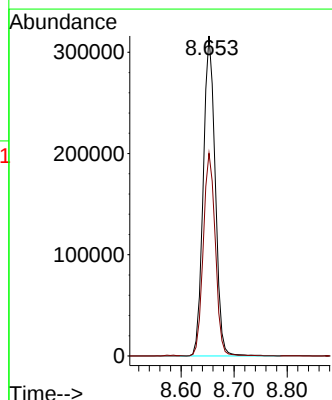
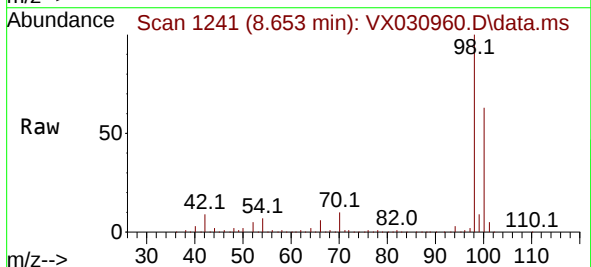
RT: 8.653 min Scan# 1241

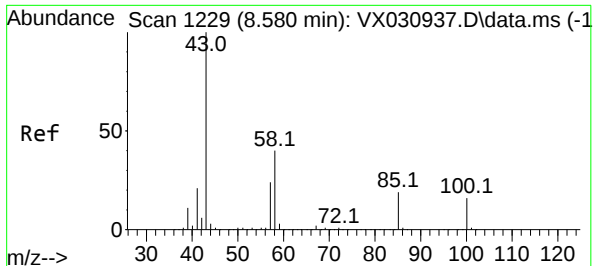
Delta R.T. -0.000 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

Tgt Ion:	98	Resp:	495540
Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.3	78.5

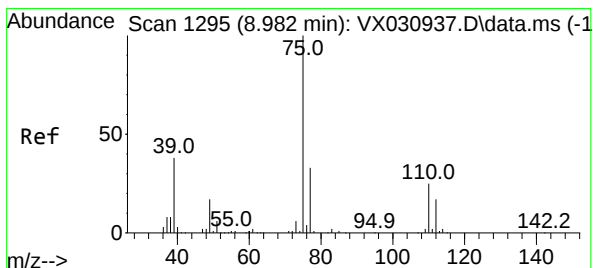
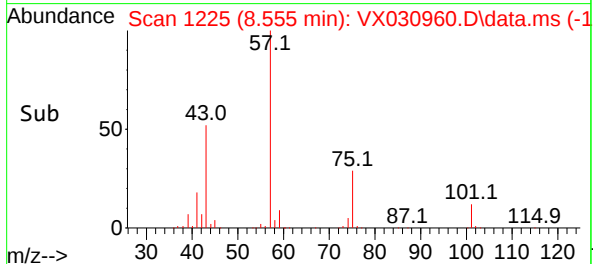
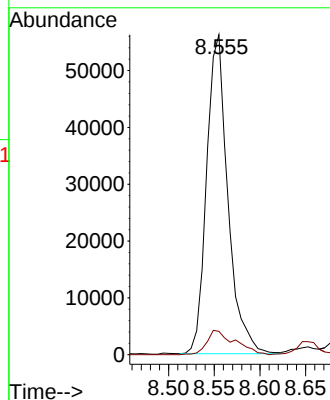
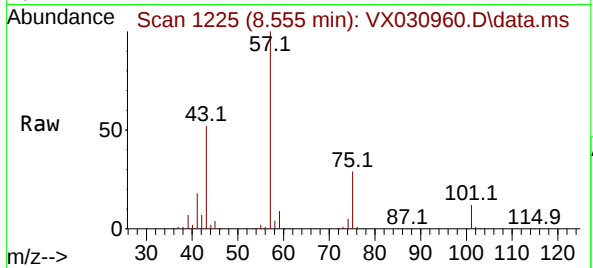




#51
4-Methyl-2-Pentanone
Concen: 21.589 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

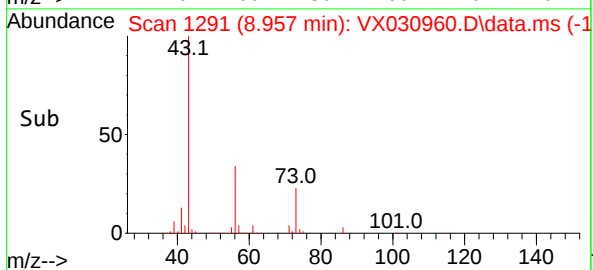
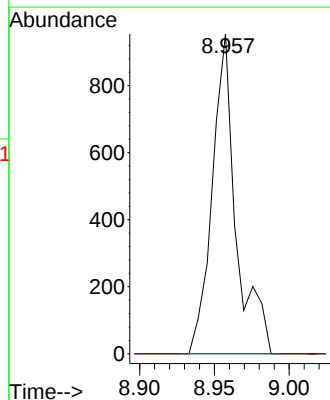
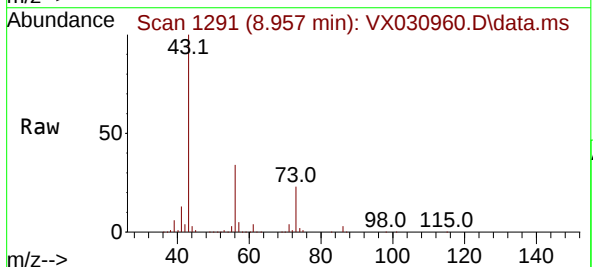
Instrument :
MSVOA_X
ClientSampleId :
WC-1

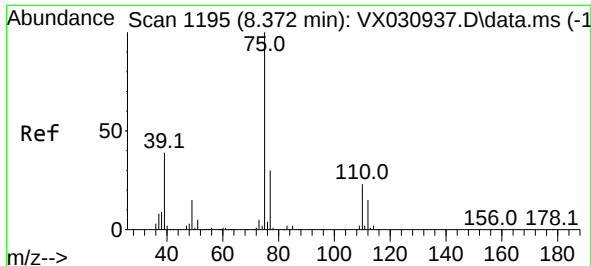
Tgt Ion: 43 Resp: 90758
Ion Ratio Lower Upper
43 100
58 10.1 31.4 47.2#



#53
t-1,3-Dichloropropene
Concen: 0.265 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.025 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion: 75 Resp: 1055
Ion Ratio Lower Upper
75 100
77 0.0 26.3 39.5#

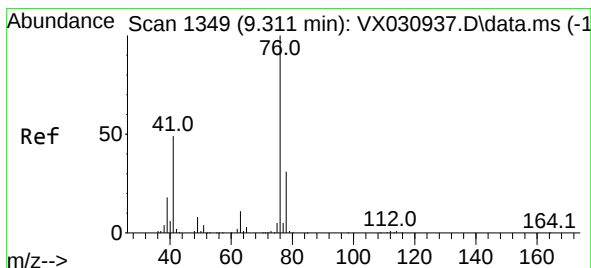
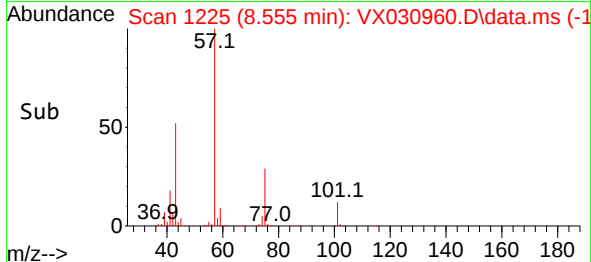
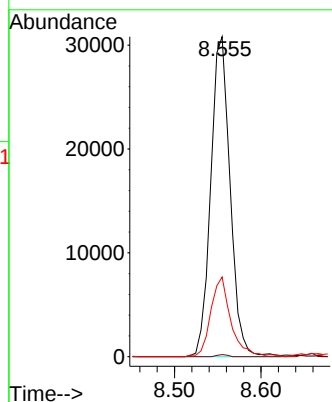
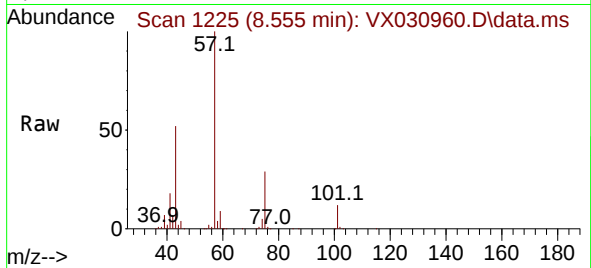




#54
 cis-1,3-Dichloropropene
 Concen: 10.503 ug/l
 RT: 8.555 min Scan# 1195
 Delta R.T. 0.183 min
 Lab File: VX030960.D
 Acq: 30 Aug 2022 23:39

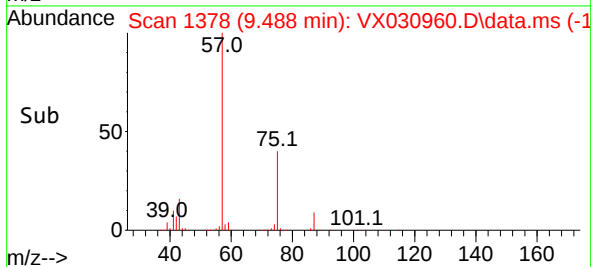
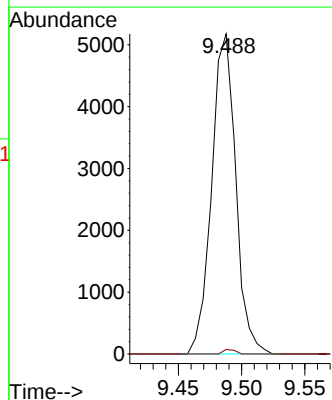
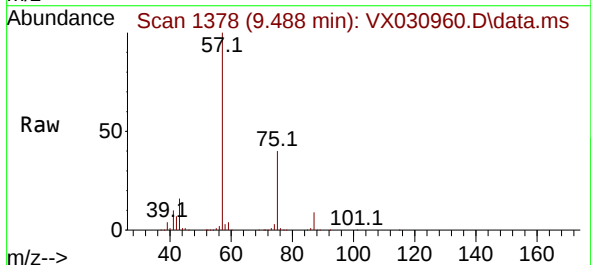
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

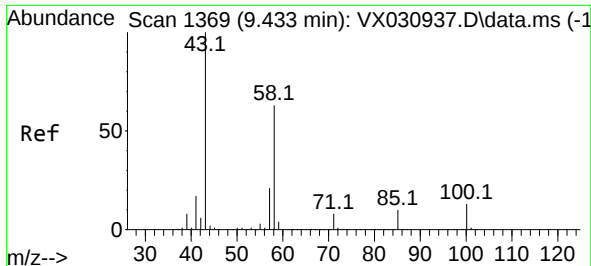
Tgt Ion: 75 Resp: 47812
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 24.9 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 1.393 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX030960.D
 Acq: 30 Aug 2022 23:39

Tgt Ion: 76 Resp: 6854
 Ion Ratio Lower Upper
 76 100
 78 0.7 25.9 38.9#





#59

2-Hexanone

Concen: 26.047 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

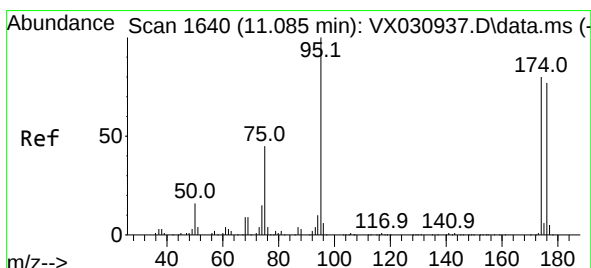
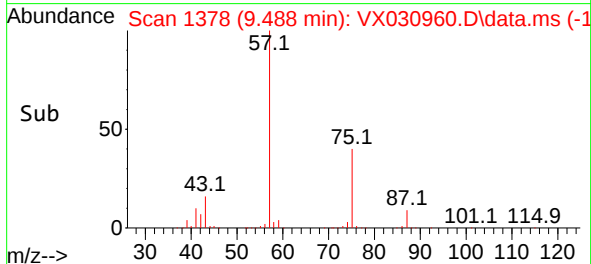
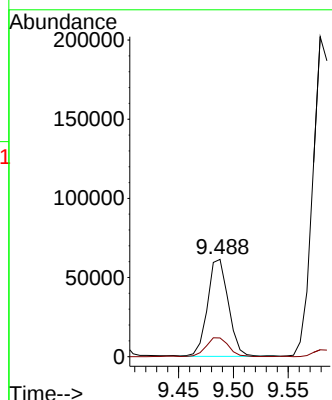
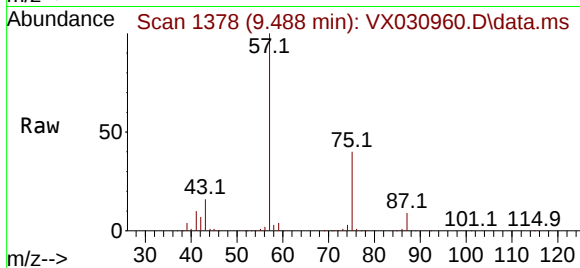
WC-1

Tgt Ion: 43 Resp: 81426

Ion Ratio Lower Upper

43 100

58 21.2 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 48.949 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030960.D

Acq: 30 Aug 2022 23:39

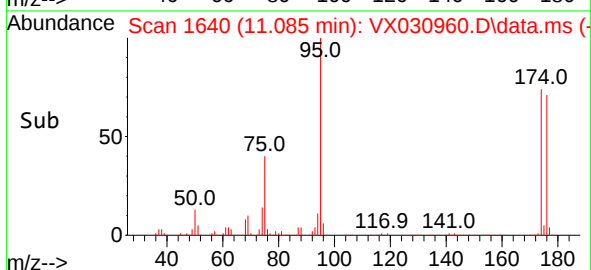
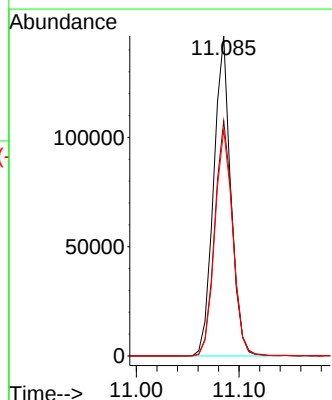
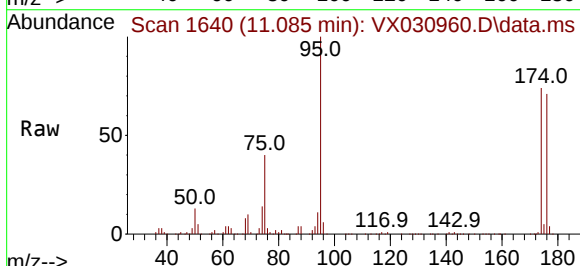
Tgt Ion: 95 Resp: 169576

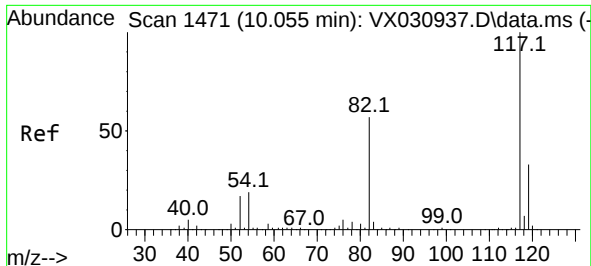
Ion Ratio Lower Upper

95 100

174 77.3 0.0 149.0

176 73.9 0.0 146.0

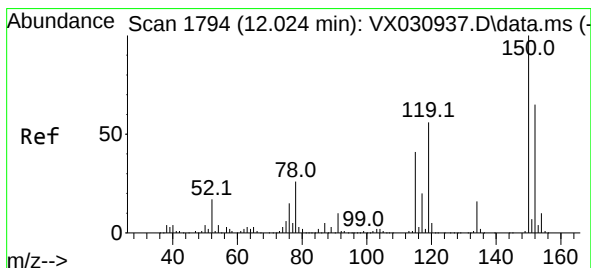
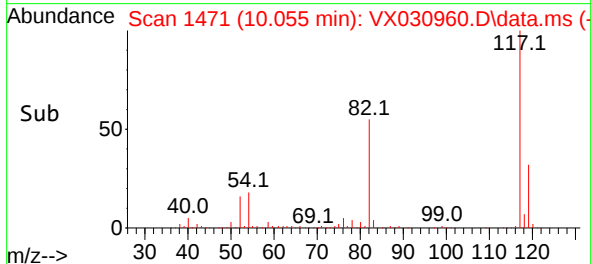
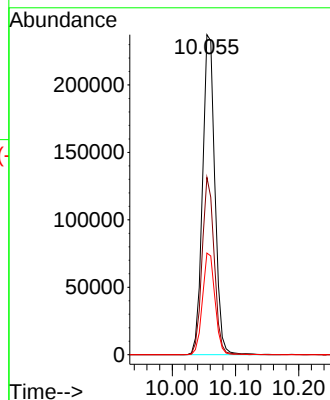
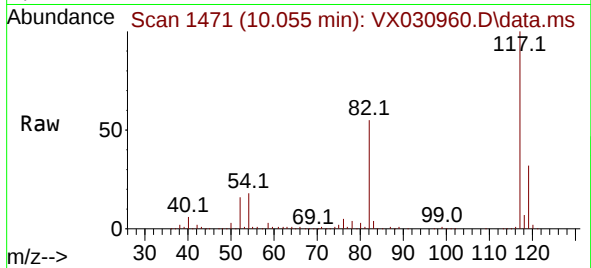




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

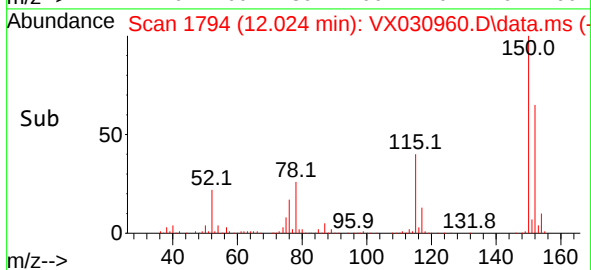
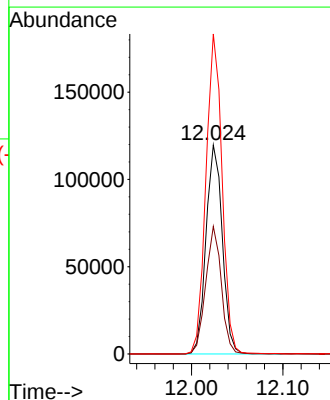
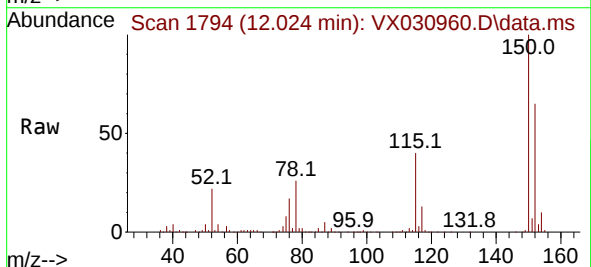
Instrument :
MSVOA_X
ClientSampleId :
WC-1

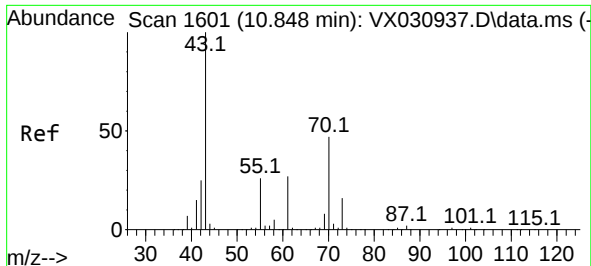
Tgt Ion:117 Resp: 322562
Ion Ratio Lower Upper
117 100
82 55.4 42.7 64.1
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion:152 Resp: 148138
Ion Ratio Lower Upper
152 100
115 58.6 40.5 121.5
150 151.2 0.0 347.0

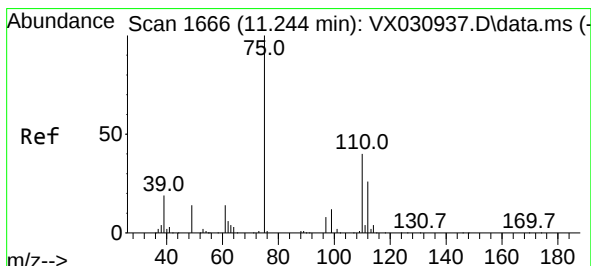
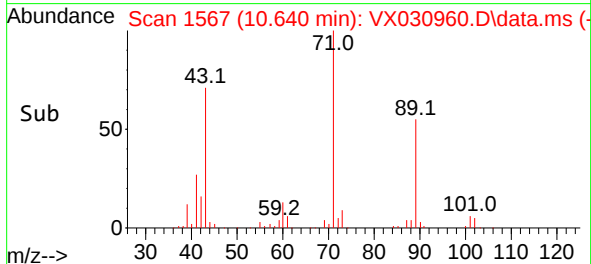
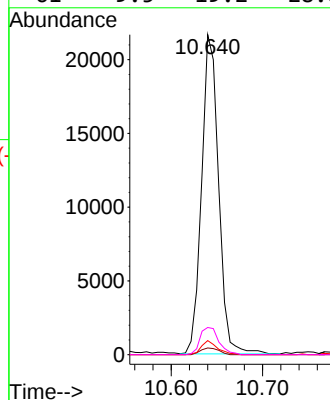
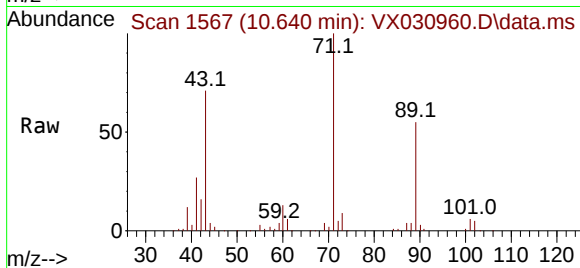




#74
N-amy1 acetate
Concen: 6.157 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.208 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

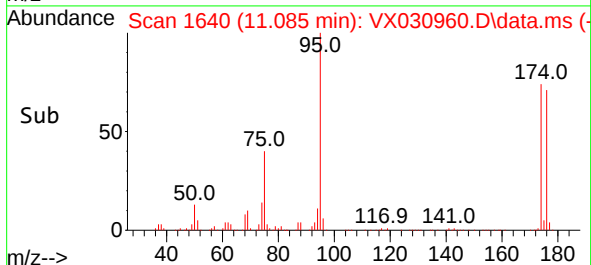
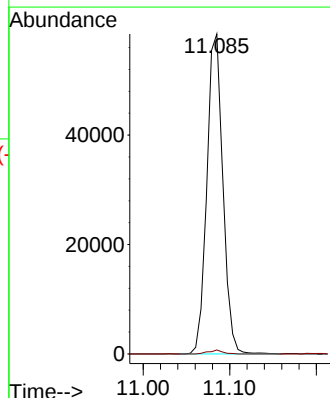
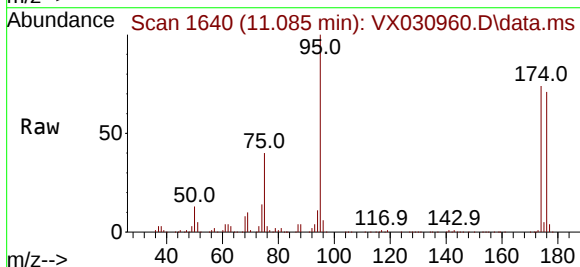
Instrument :
MSVOA_X
ClientSampleId :
WC-1

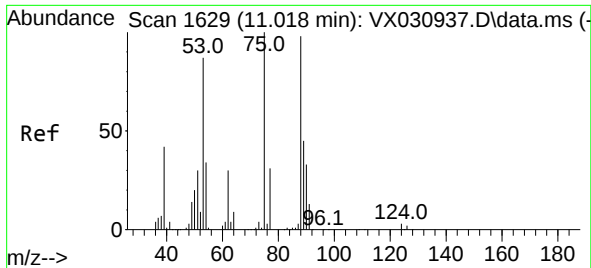
Tgt Ion:	43	Resp:	27896
Ion	Ratio	Lower	Upper
43	100		
70	2.3	32.3	48.5#
55	4.2	18.4	27.6#
61	9.5	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 20.582 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030960.D
Acq: 30 Aug 2022 23:39

Tgt Ion:	75	Resp:	75063
Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.8	59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.194 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030960.D
 Acq: 30 Aug 2022 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Tgt Ion: 75 Resp: 75063
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

