

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036211.D
 Acq On : 19 Jun 2023 17:14
 Operator : JC/MD
 Sample : 03238-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4B

Quant Time: Jun 20 03:45:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

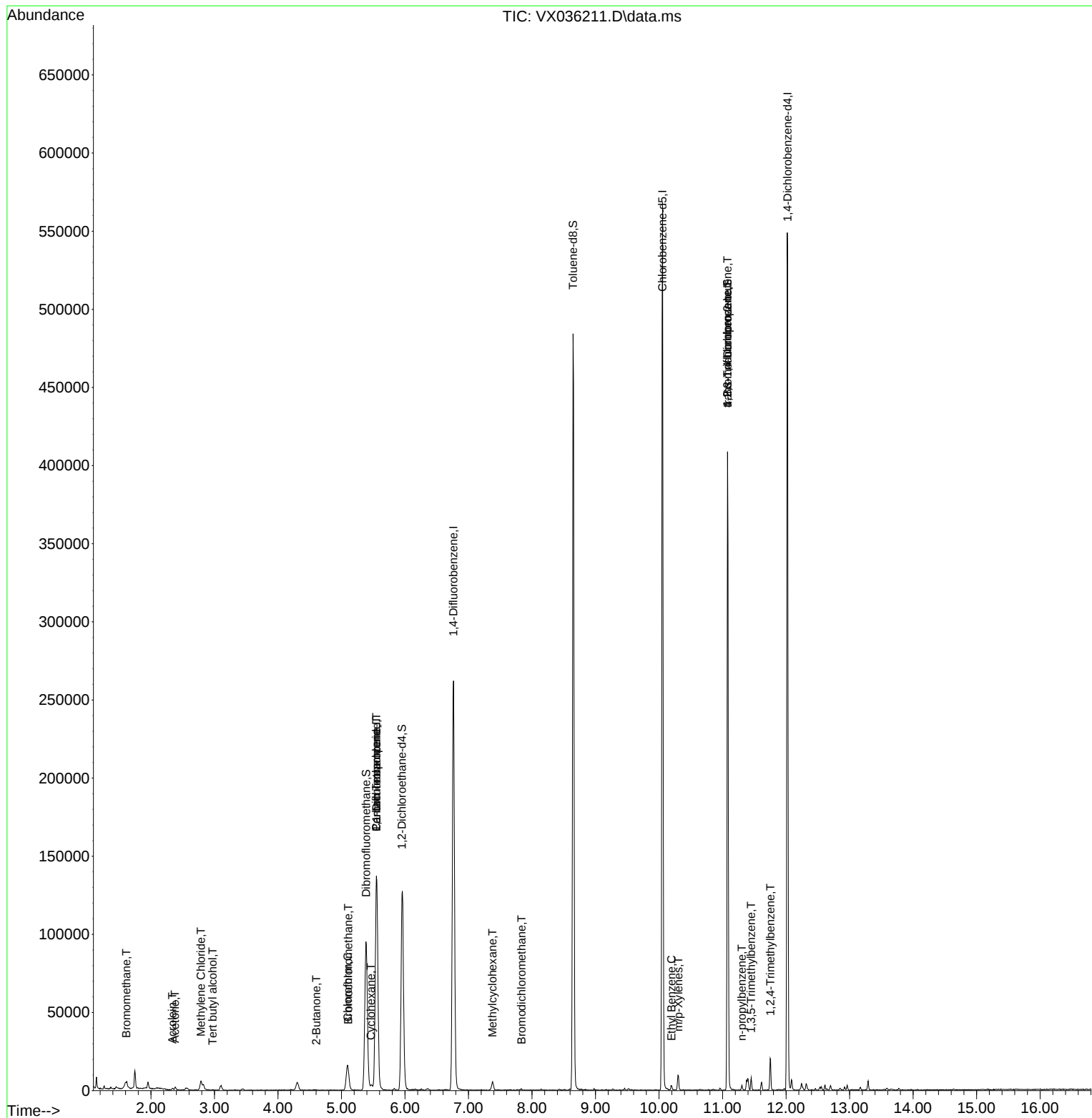
Internal Standards						
1) Pentafluorobenzene	5.550	168	116255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	245600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	132303	62.275	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	124.560%#
35) Dibromofluoromethane	5.385	113	82515	49.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.080%
50) Toluene-d8	8.647	98	269392	44.220	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.440%#
62) 4-Bromofluorobenzene	11.079	95	108667	44.189	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.380%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	209	0.236	ug/l #	52
11) Tert butyl alcohol	2.971	59	481	1.481	ug/l #	78
13) Acrolein	2.337	56	79	0.219	ug/l #	43
16) Acetone	2.380	43	2559	2.899	ug/l	100
20) Methylene Chloride	2.788	84	1844	1.153	ug/l	95
25) 2-Butanone	4.605	43	406	0.329	ug/l #	51
28) Bromochloromethane	5.105	49	1726	1.186	ug/l #	16
30) Chloroform	5.099	83	18812	6.397	ug/l	98
31) Cyclohexane	5.464	56	1988	0.872	ug/l #	61
36) 1,1-Dichloropropene	5.550	75	11275	4.596	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14418	6.046	ug/l #	15
39) Methylcyclohexane	7.379	83	2025	0.766	ug/l	98
47) Bromodichloromethane	7.836	83	616	0.246	ug/l #	91
67) Ethyl Benzene	10.195	91	1794	0.211	ug/l	100
68) m/p-Xylenes	10.305	106	2207	0.687	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	60556	24.696	ug/l #	39
78) n-propylbenzene	11.305	91	1937	0.215	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	3158	0.484	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	60556	86.442	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	8626	1.325	ug/l	96

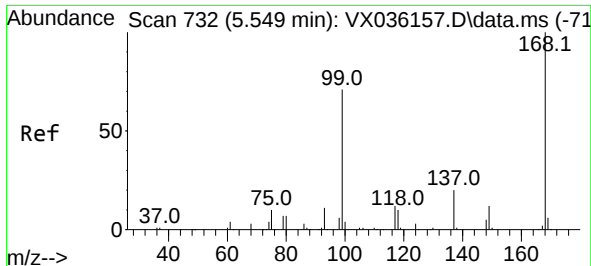
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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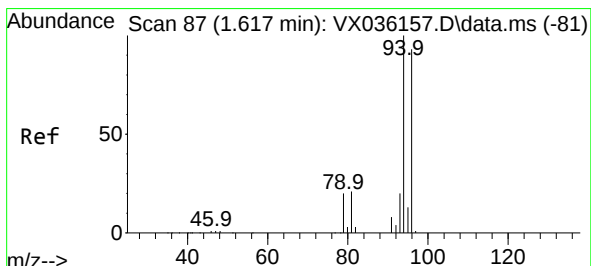
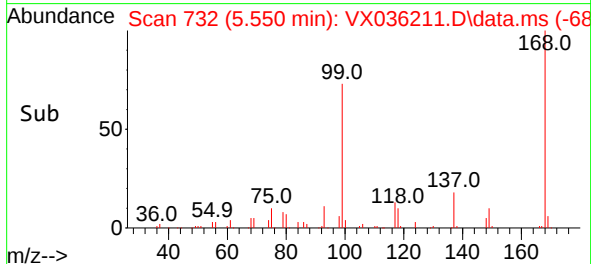
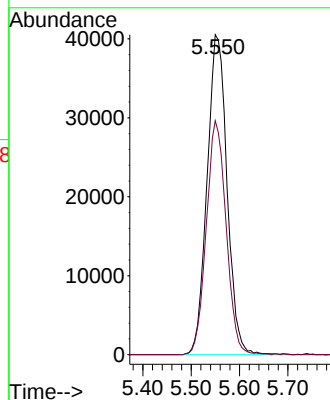
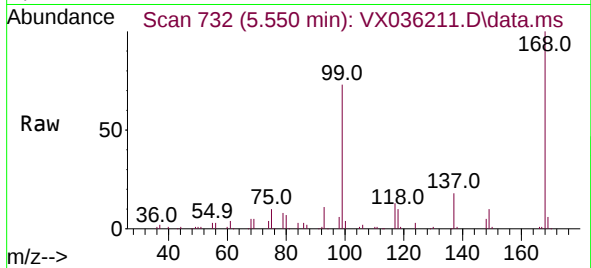




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

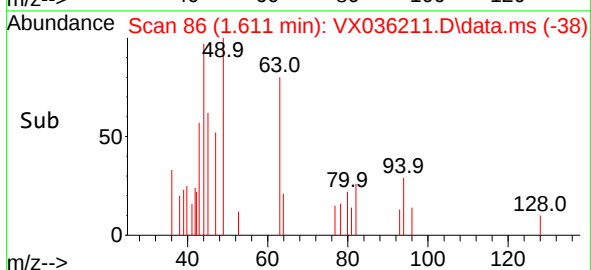
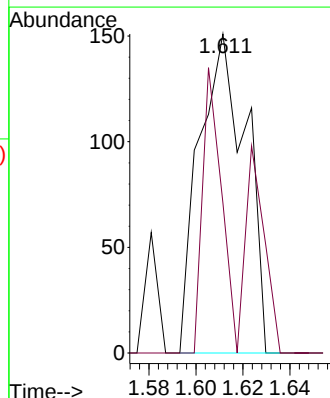
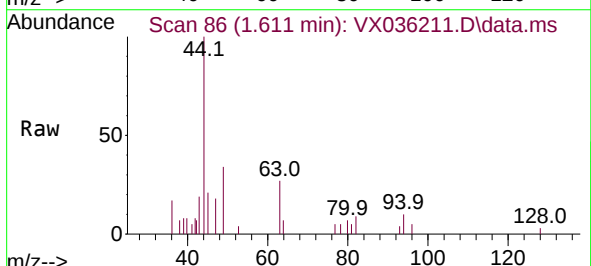
Instrument :
MSVOA_X
ClientSampleId :
MW-4B

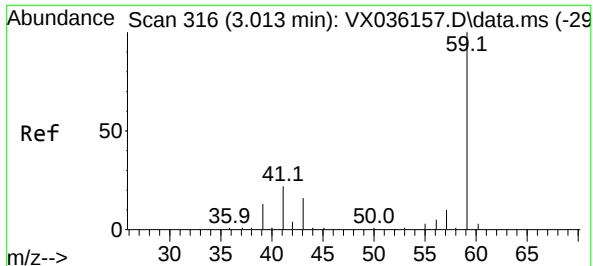
Tgt Ion:168 Resp: 116255
Ion Ratio Lower Upper
168 100
99 73.1 56.6 85.0



#5
Bromomethane
Concen: 0.236 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 47.0 74.6 111.8#





#11

Tert butyl alcohol

Concen: 1.481 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.042 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Instrument :

MSVOA_X

ClientSampleId :

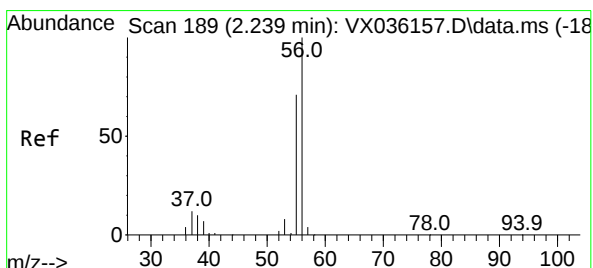
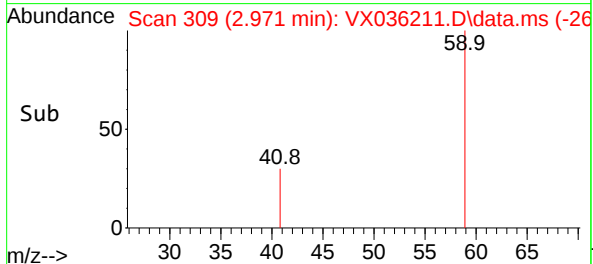
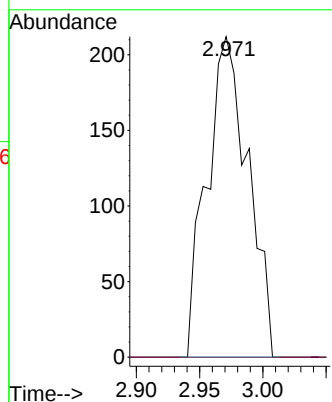
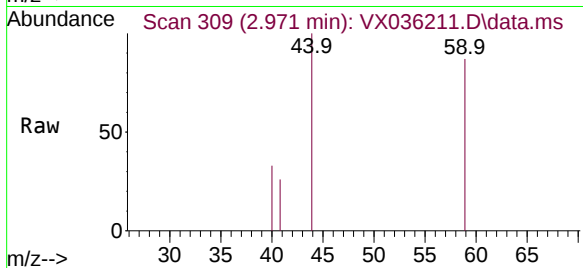
MW-4B

Tgt Ion: 59 Resp: 481

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.219 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.098 min

Lab File: VX036211.D

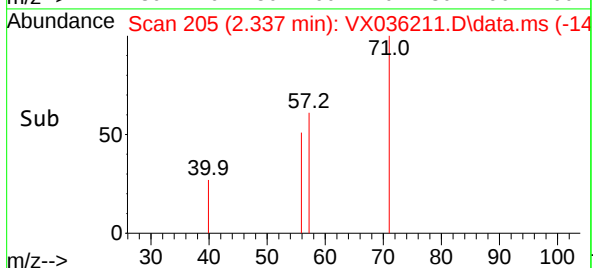
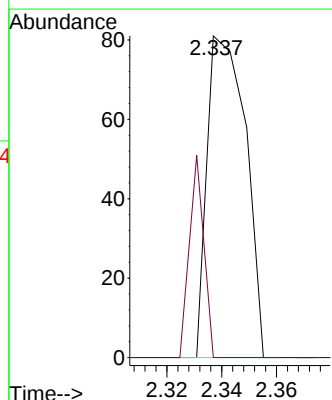
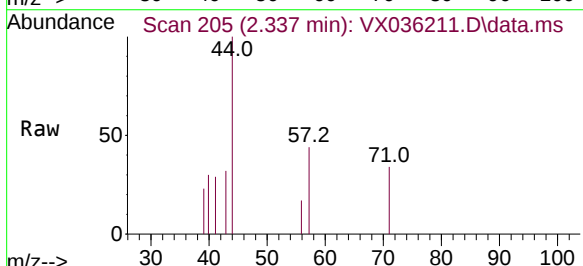
Acq: 19 Jun 2023 17:14

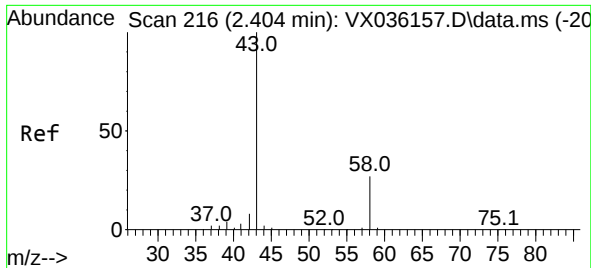
Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 24.1 57.1 85.7#





#16

Acetone

Concen: 2.899 ug/l

RT: 2.380 min Scan# 216

Delta R.T. -0.024 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Instrument :

MSVOA_X

ClientSampleId :

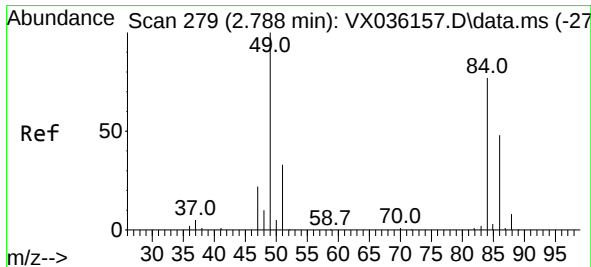
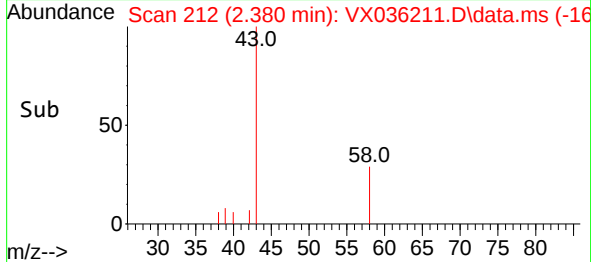
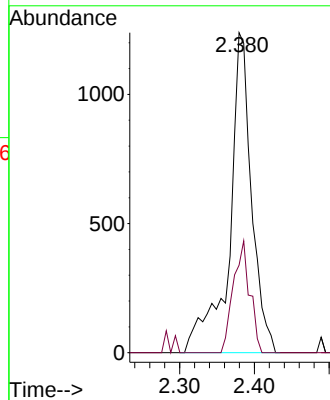
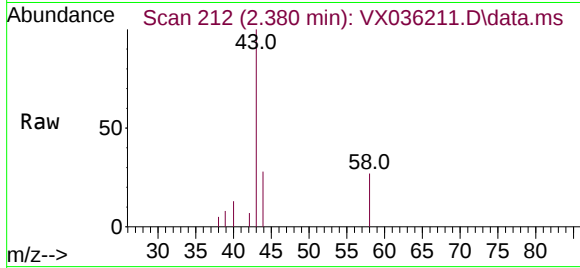
MW-4B

Tgt Ion: 43 Resp: 2559

Ion Ratio Lower Upper

43 100

58 27.4 21.9 32.9



#20

Methylene Chloride

Concen: 1.153 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Tgt Ion: 84 Resp: 1844

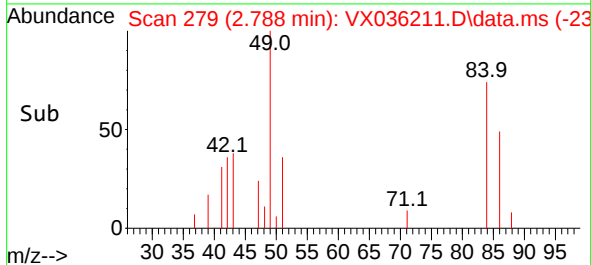
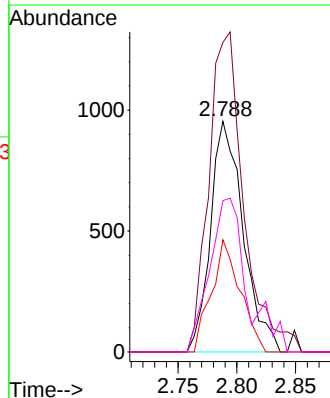
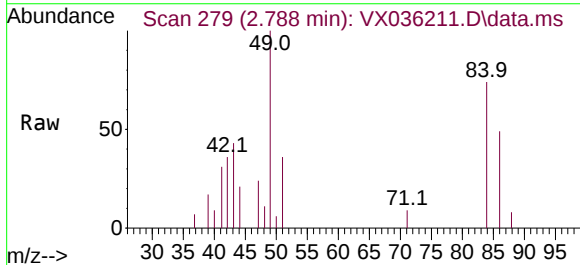
Ion Ratio Lower Upper

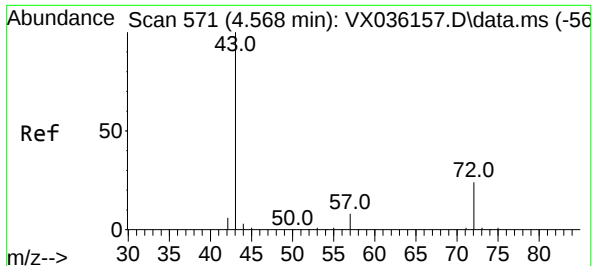
84 100

49 134.3 103.6 155.4

51 48.6 33.8 50.6

86 65.6 49.4 74.0





#25

2-Butanone

Concen: 0.329 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Instrument :

MSVOA_X

ClientSampleId :

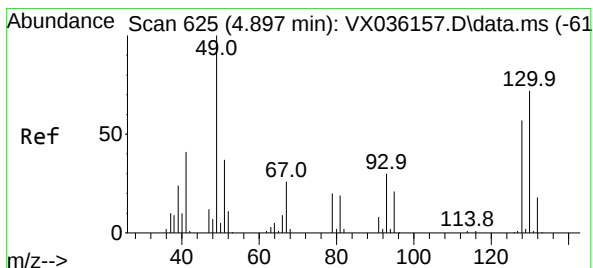
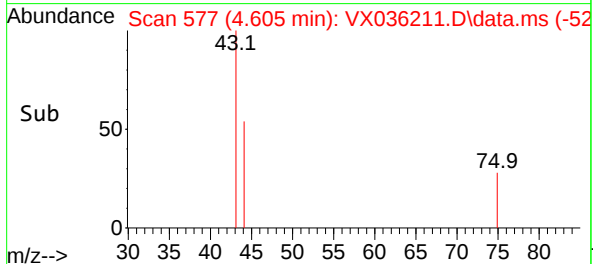
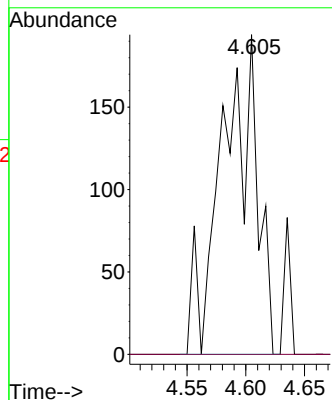
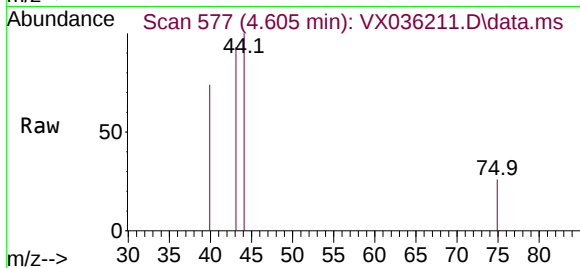
MW-4B

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#28

Bromochloromethane

Concen: 1.186 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.208 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

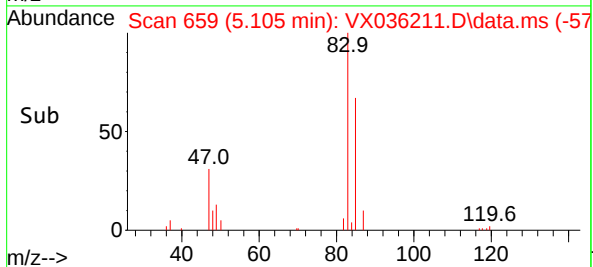
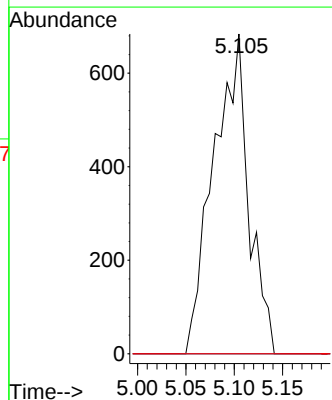
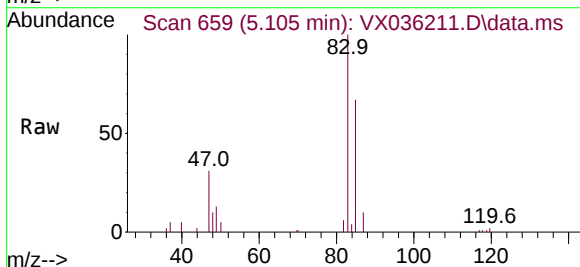
Tgt Ion: 49 Resp: 1726

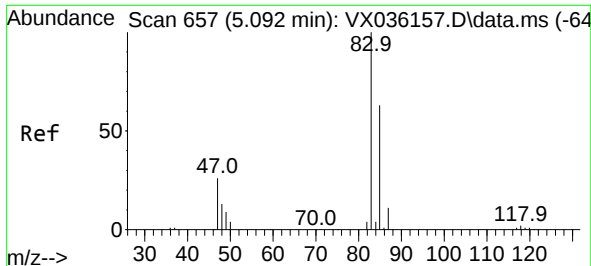
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 57.5 86.3#

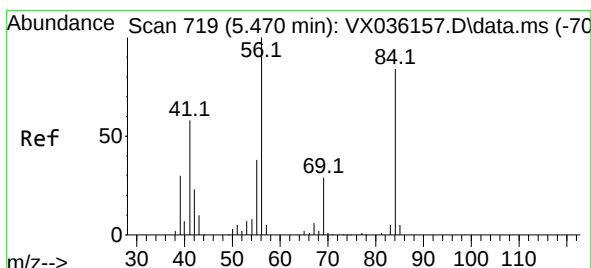
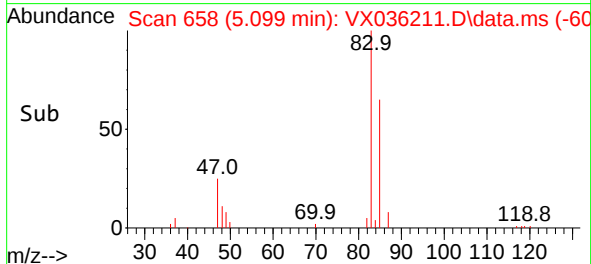
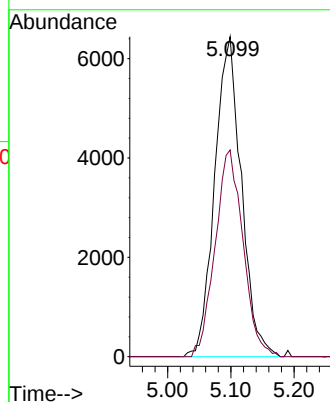
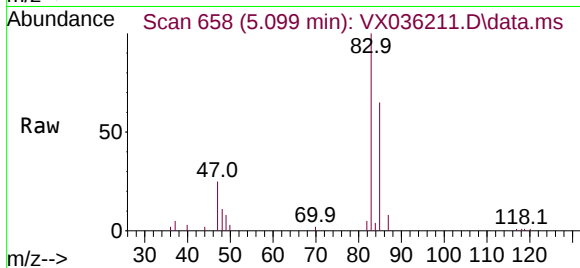




#30
Chloroform
Concen: 6.397 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

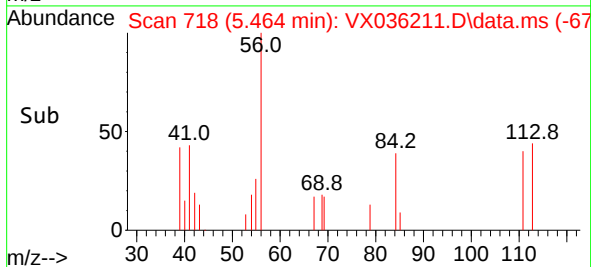
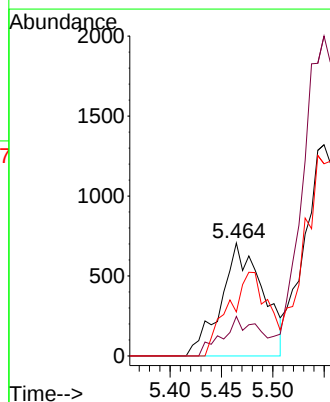
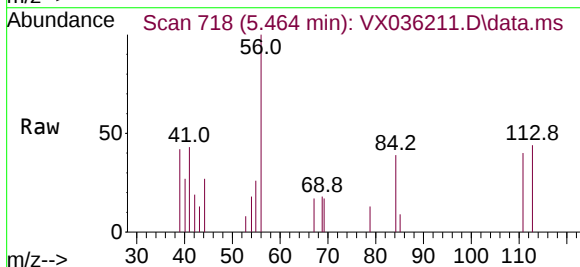
Instrument :
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MW-4B

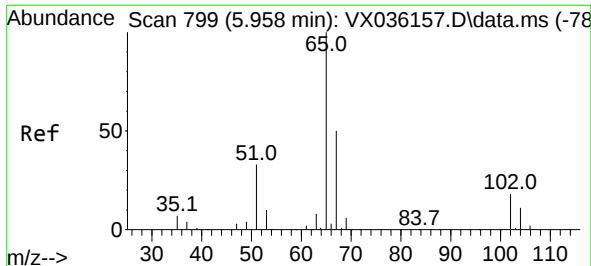
Tgt Ion: 83 Resp: 18812
Ion Ratio Lower Upper
83 100
85 64.6 50.3 75.5



#31
Cyclohexane
Concen: 0.872 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Tgt Ion: 56 Resp: 1988
Ion Ratio Lower Upper
56 100
69 35.0 23.4 35.2
84 39.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 62.275 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Instrument :

MSVOA_X

ClientSampleId :

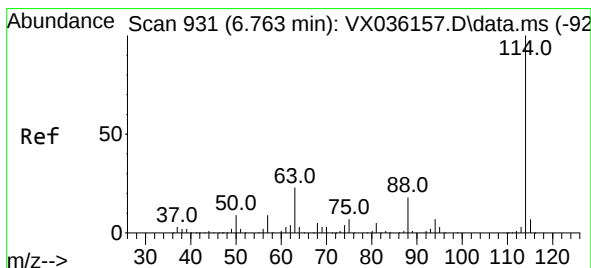
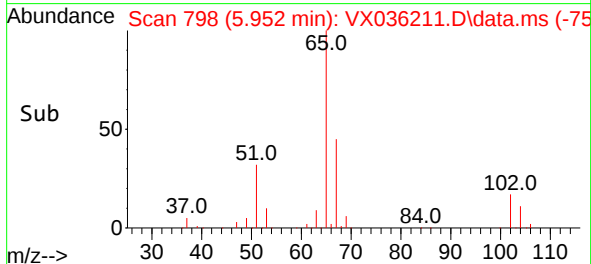
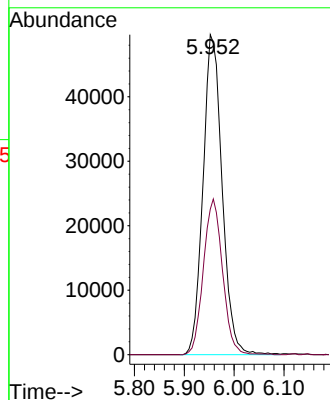
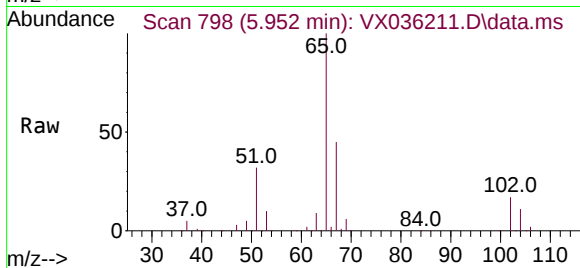
MW-4B

Tgt Ion: 65 Resp: 132303

Ion Ratio Lower Upper

65 100

67 48.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

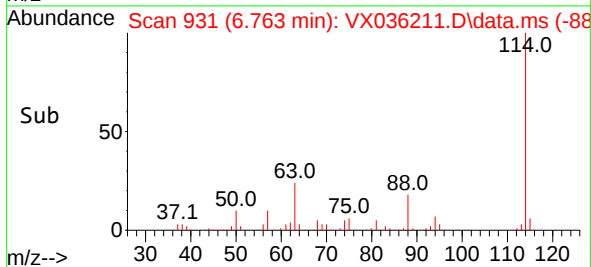
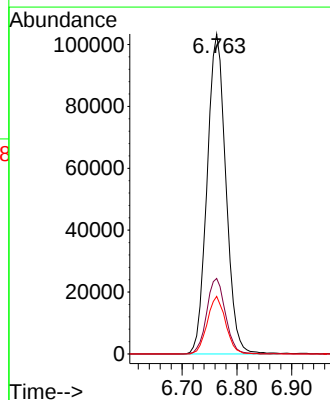
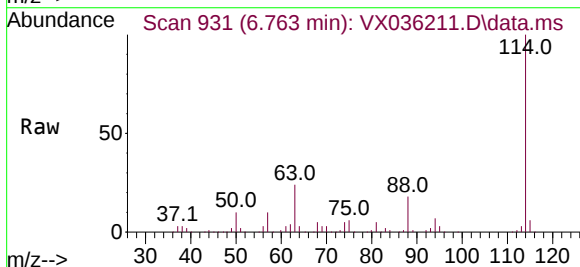
Tgt Ion: 114 Resp: 245600

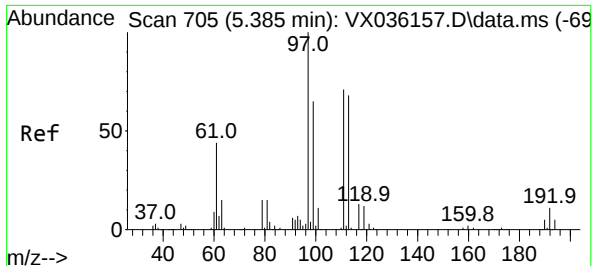
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.0

88 18.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.545 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Instrument :

MSVOA_X

ClientSampleId :

MW-4B

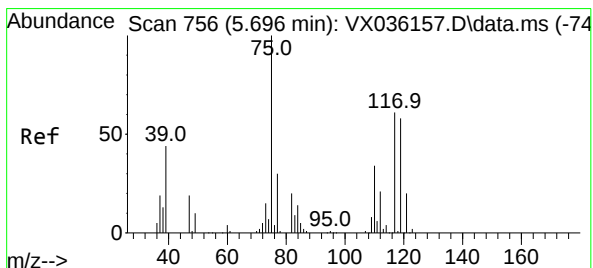
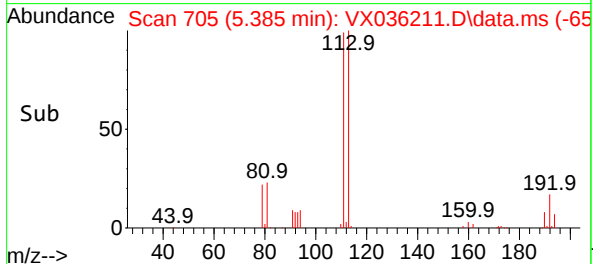
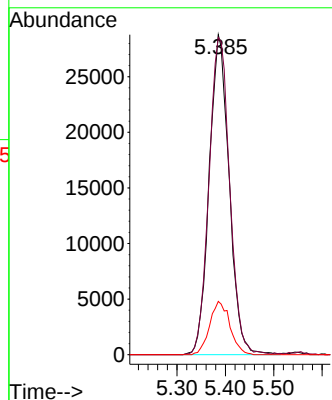
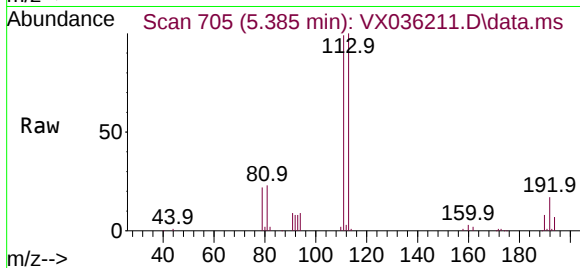
Tgt Ion:113 Resp: 82515

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

192 16.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

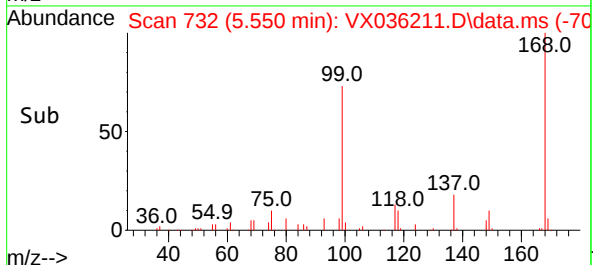
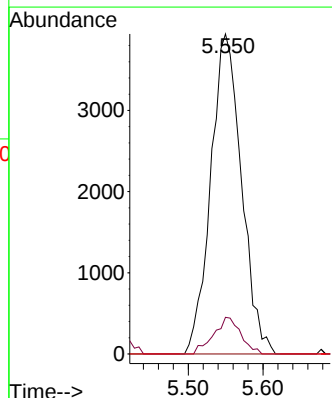
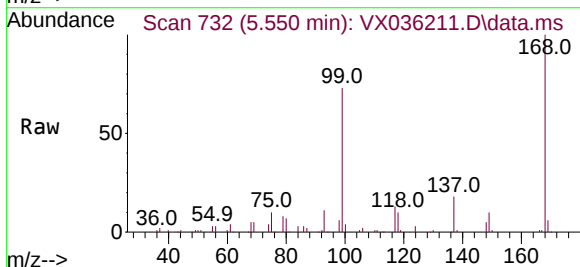
Tgt Ion: 75 Resp: 11275

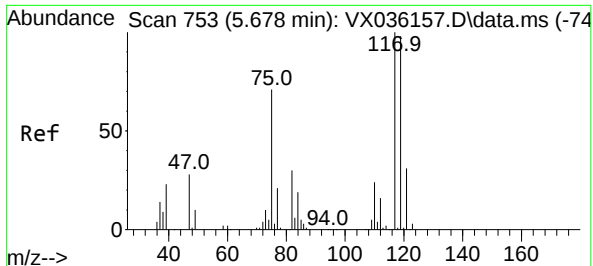
Ion Ratio Lower Upper

75 100

110 10.1 17.0 50.9#

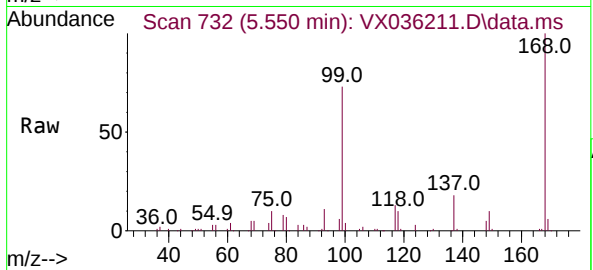
77 0.0 24.7 37.1#



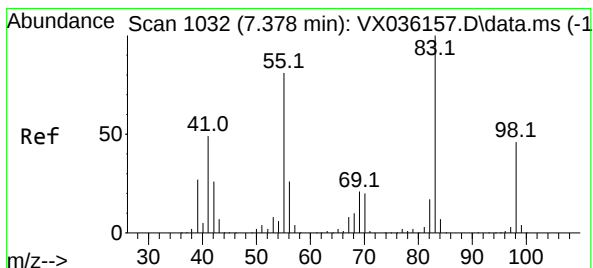
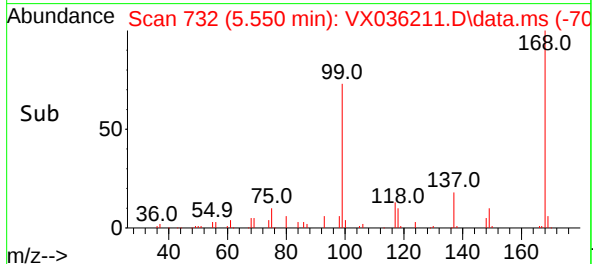
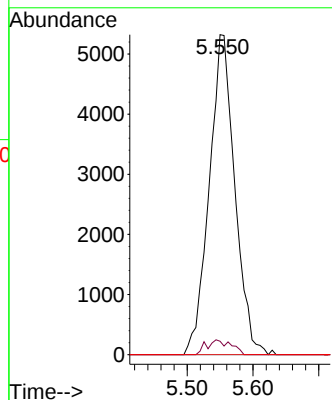


#38
Carbon Tetrachloride
Concen: 6.046 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Instrument :
MSVOA_X
ClientSampleId :
MW-4B

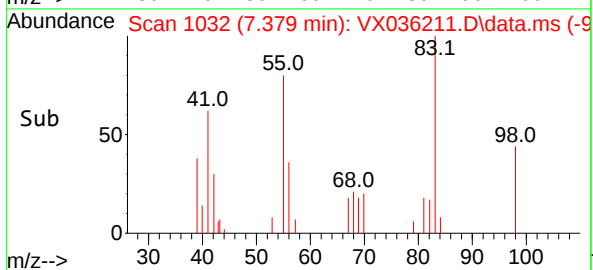
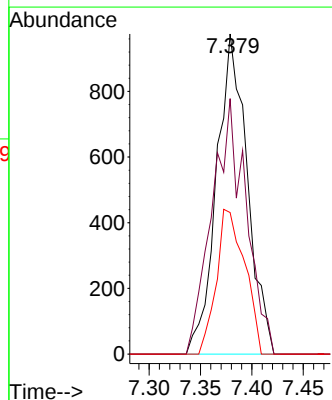
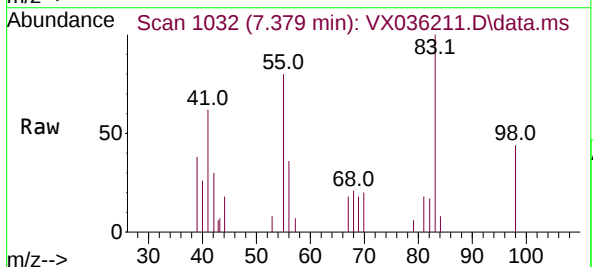


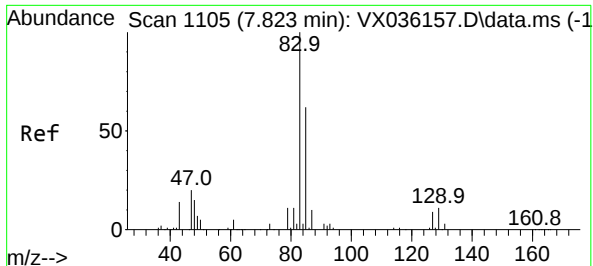
Tgt Ion:117 Resp: 14418
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.766 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.001 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Tgt Ion: 83 Resp: 2025
Ion Ratio Lower Upper
83 100
55 79.8 64.6 97.0
98 44.2 36.7 55.1

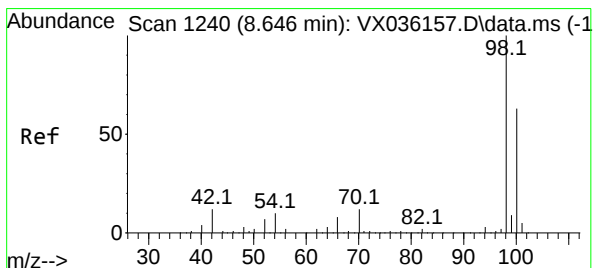
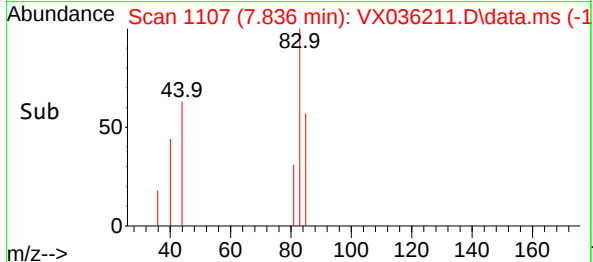
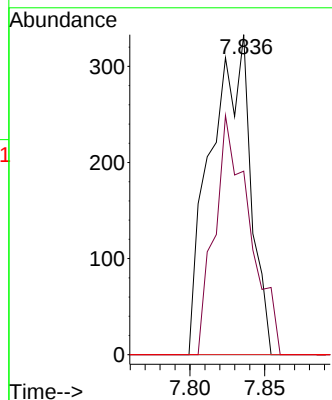
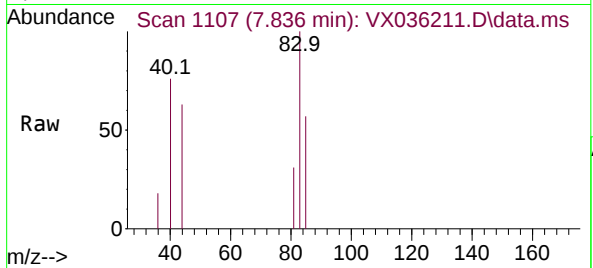




#47
Bromodichloromethane
Concen: 0.246 ug/l
RT: 7.836 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

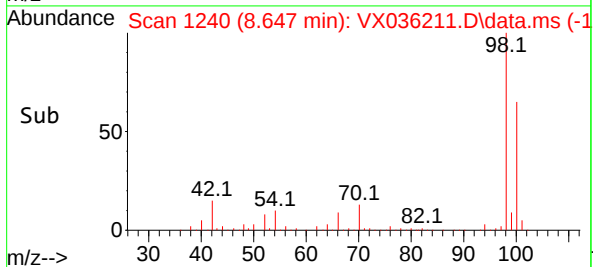
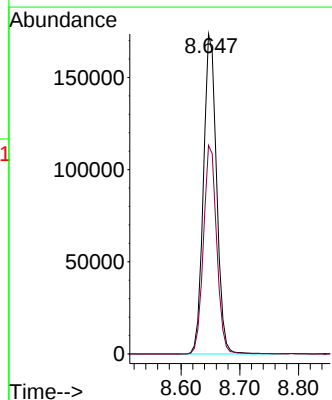
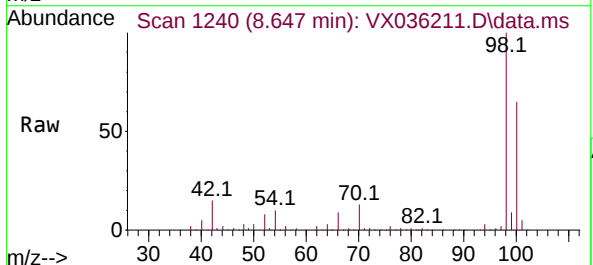
Instrument :
MSVOA_X
ClientSampleId :
MW-4B

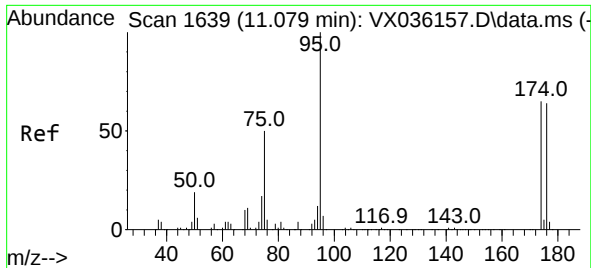
Tgt Ion: 83 Resp: 616
Ion Ratio Lower Upper
83 100
85 57.4 49.8 74.6
127 0.0 7.1 10.7#



#50
Toluene-d8
Concen: 44.220 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Tgt Ion: 98 Resp: 269392
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

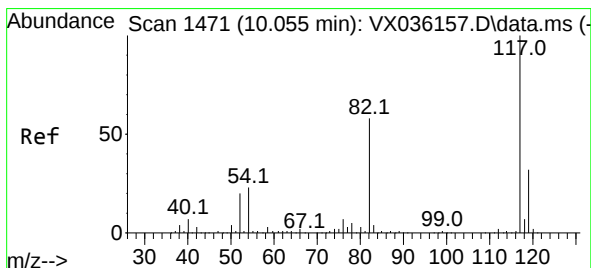
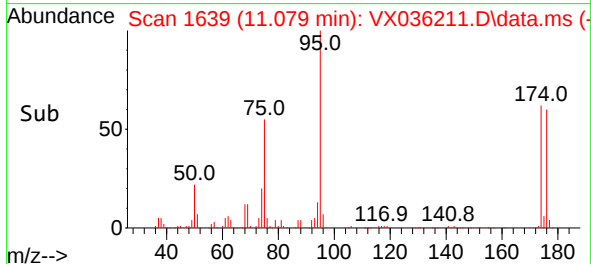
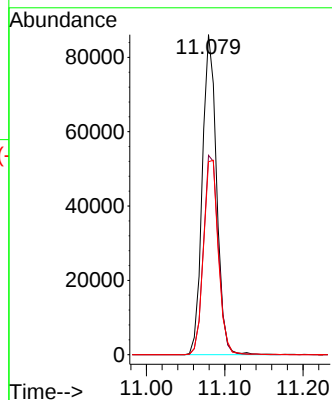
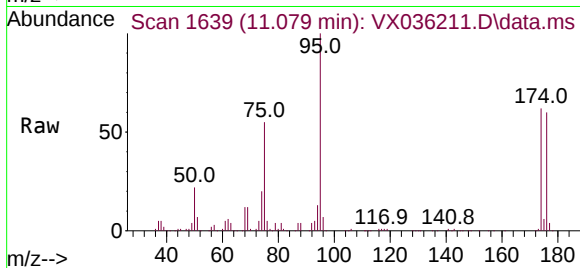




#62
4-Bromofluorobenzene
Concen: 44.189 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

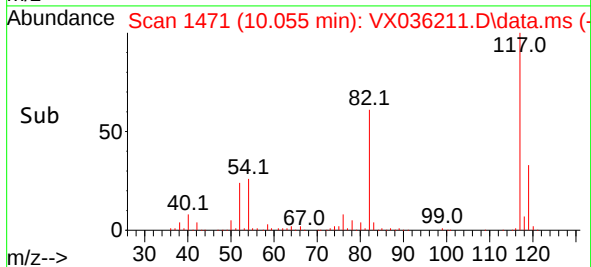
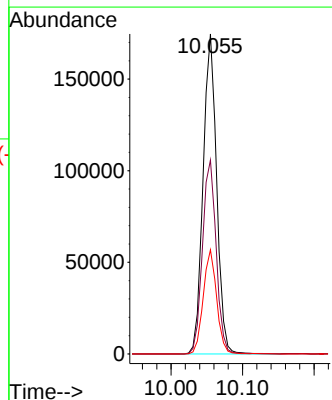
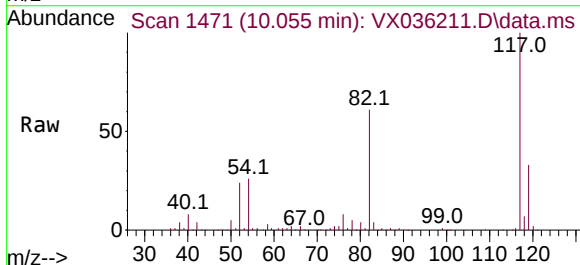
Instrument :
MSVOA_X
ClientSampleId :
MW-4B

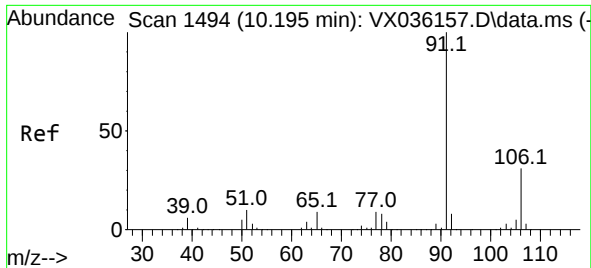
Tgt Ion: 95 Resp: 108667
Ion Ratio Lower Upper
95 100
174 64.7 0.0 135.6
176 63.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Tgt Ion: 117 Resp: 230083
Ion Ratio Lower Upper
117 100
82 60.6 46.2 69.4
119 32.5 25.5 38.3

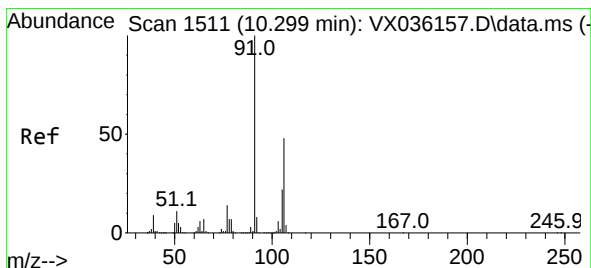
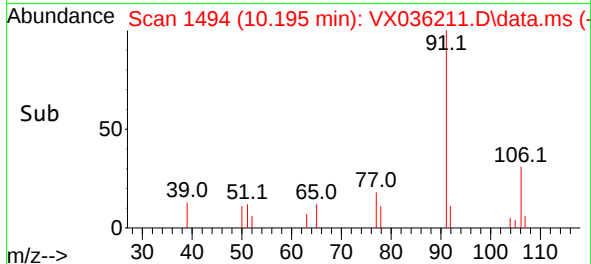
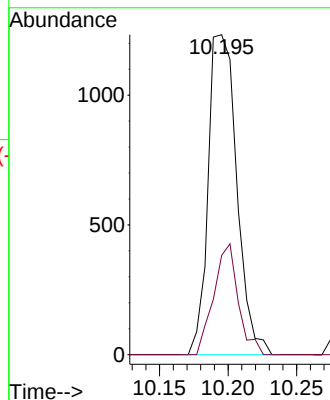
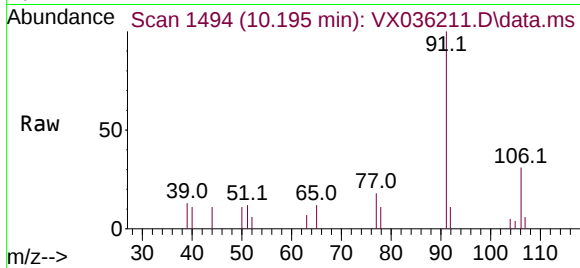




#67
Ethyl Benzene
Concen: 0.211 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

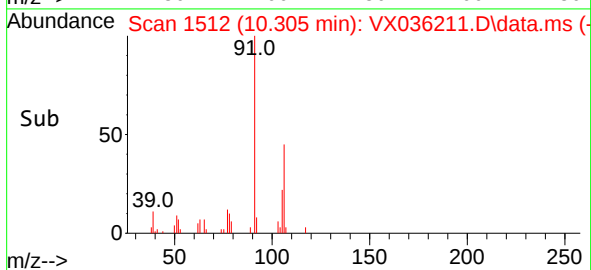
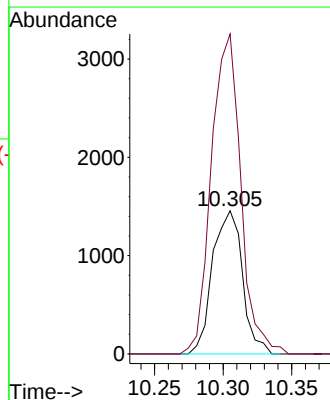
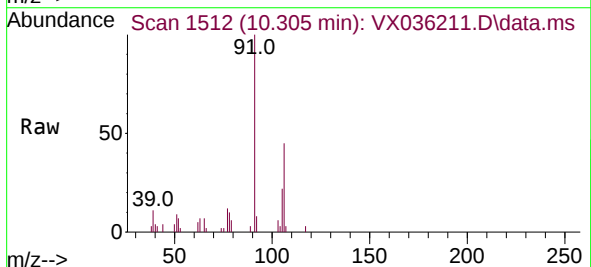
Instrument :
MSVOA_X
ClientSampleId :
MW-4B

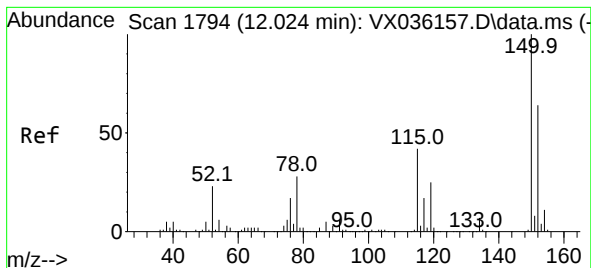
Tgt Ion: 91 Resp: 1794
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 0.687 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Tgt Ion: 106 Resp: 2207
Ion Ratio Lower Upper
106 100
91 220.5 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Instrument :

MSVOA_X

ClientSampleId :

MW-4B

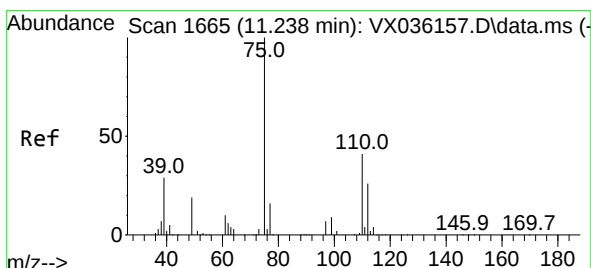
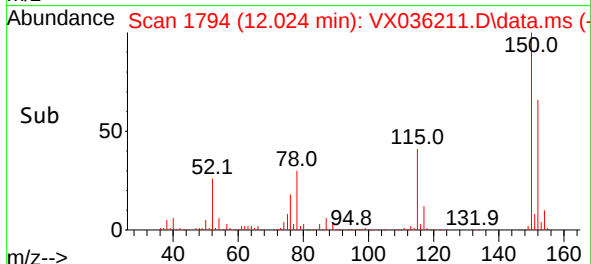
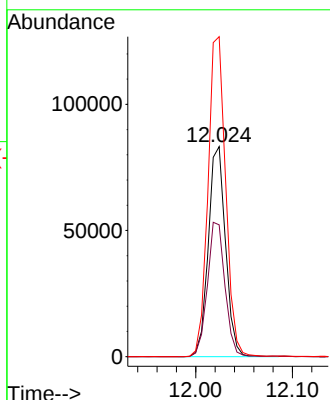
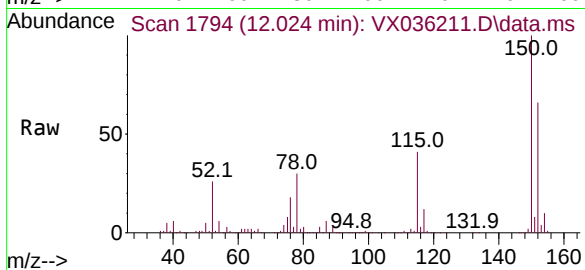
Tgt Ion:152 Resp: 103319

Ion Ratio Lower Upper

152 100

115 65.3 43.3 129.9

150 156.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.696 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036211.D

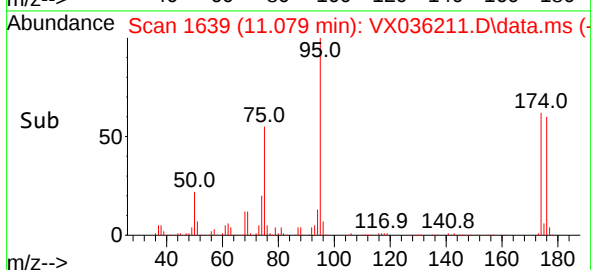
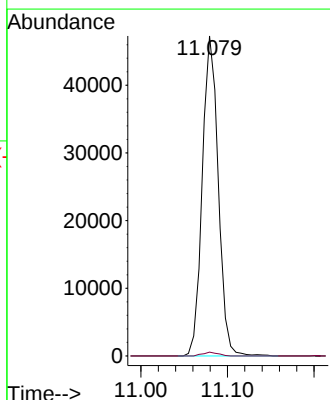
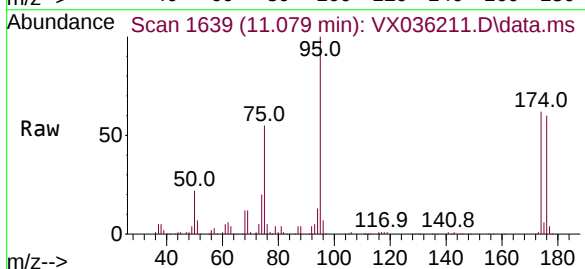
Acq: 19 Jun 2023 17:14

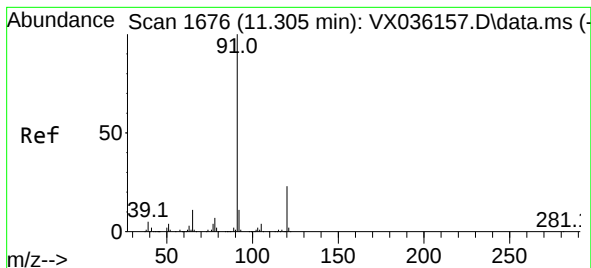
Tgt Ion: 75 Resp: 60556

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#78

n-propylbenzene

Concen: 0.215 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036211.D

Acq: 19 Jun 2023 17:14

Instrument :

MSVOA_X

ClientSampleId :

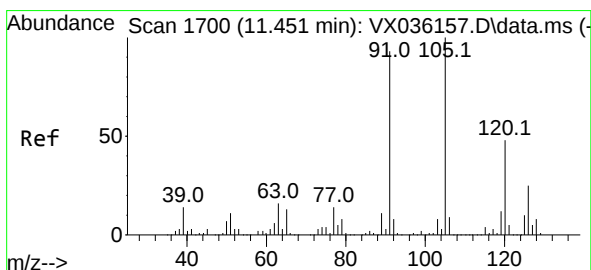
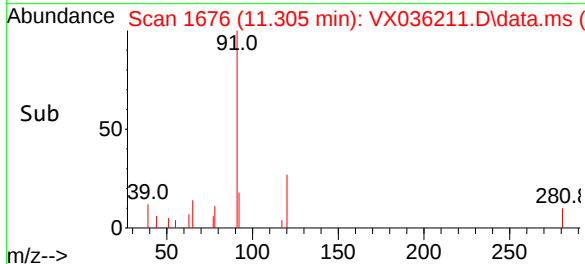
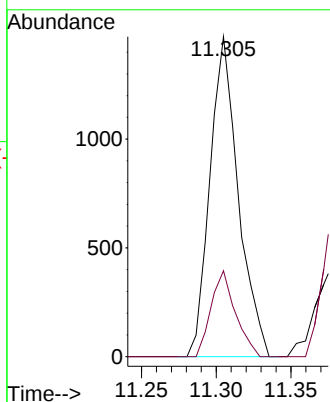
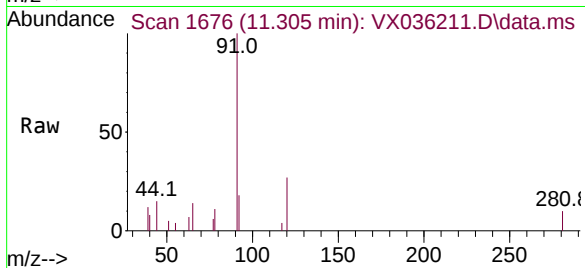
MW-4B

Tgt Ion: 91 Resp: 1937

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.484 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036211.D

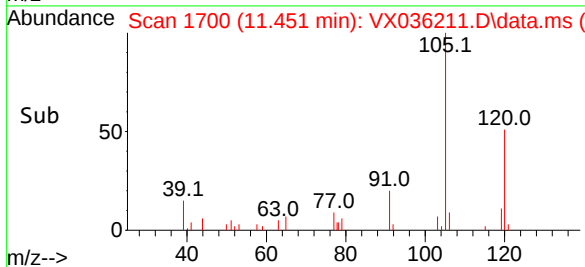
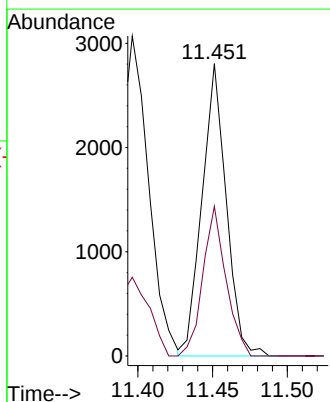
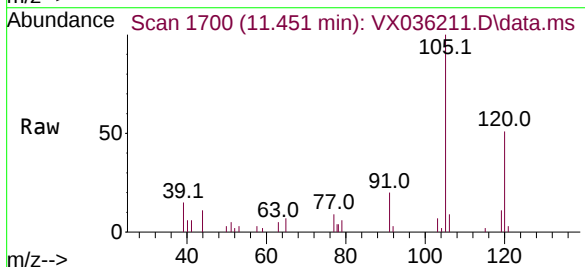
Acq: 19 Jun 2023 17:14

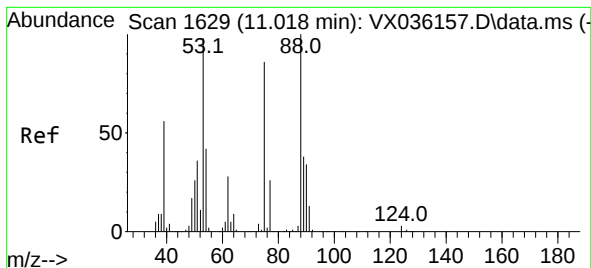
Tgt Ion: 105 Resp: 3158

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.3

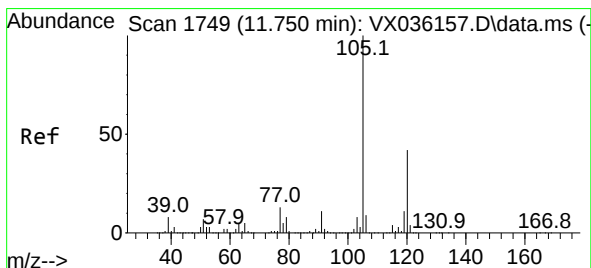
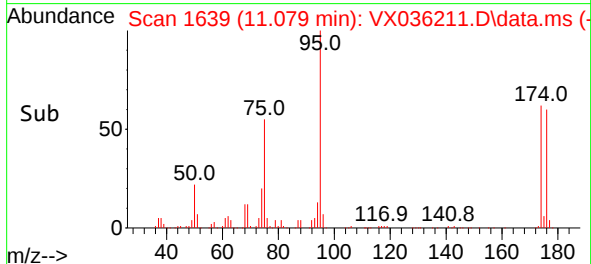
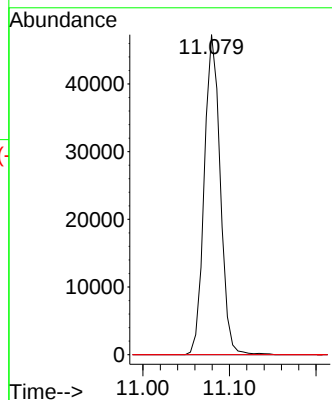
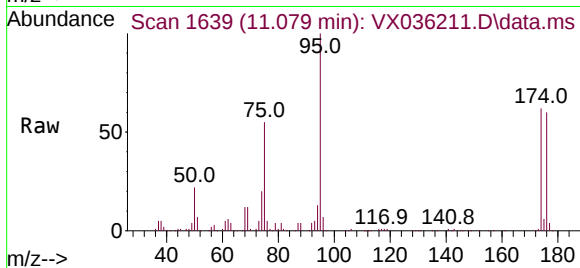




#81
trans-1,4-Dichloro-2-butene
Concen: 86.442 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Instrument :
MSVOA_X
ClientSampleId :
MW-4B

Tgt Ion: 75 Resp: 60556
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.325 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX036211.D
Acq: 19 Jun 2023 17:14

Tgt Ion: 105 Resp: 8626
Ion Ratio Lower Upper
105 100
120 45.2 21.2 63.6

