

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031597.D
 Acq On : 23 Sep 2022 02:57
 Operator : JC/MD
 Sample : N4614-05DL 25X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3RRBDL

Quant Time: Sep 23 04:47:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

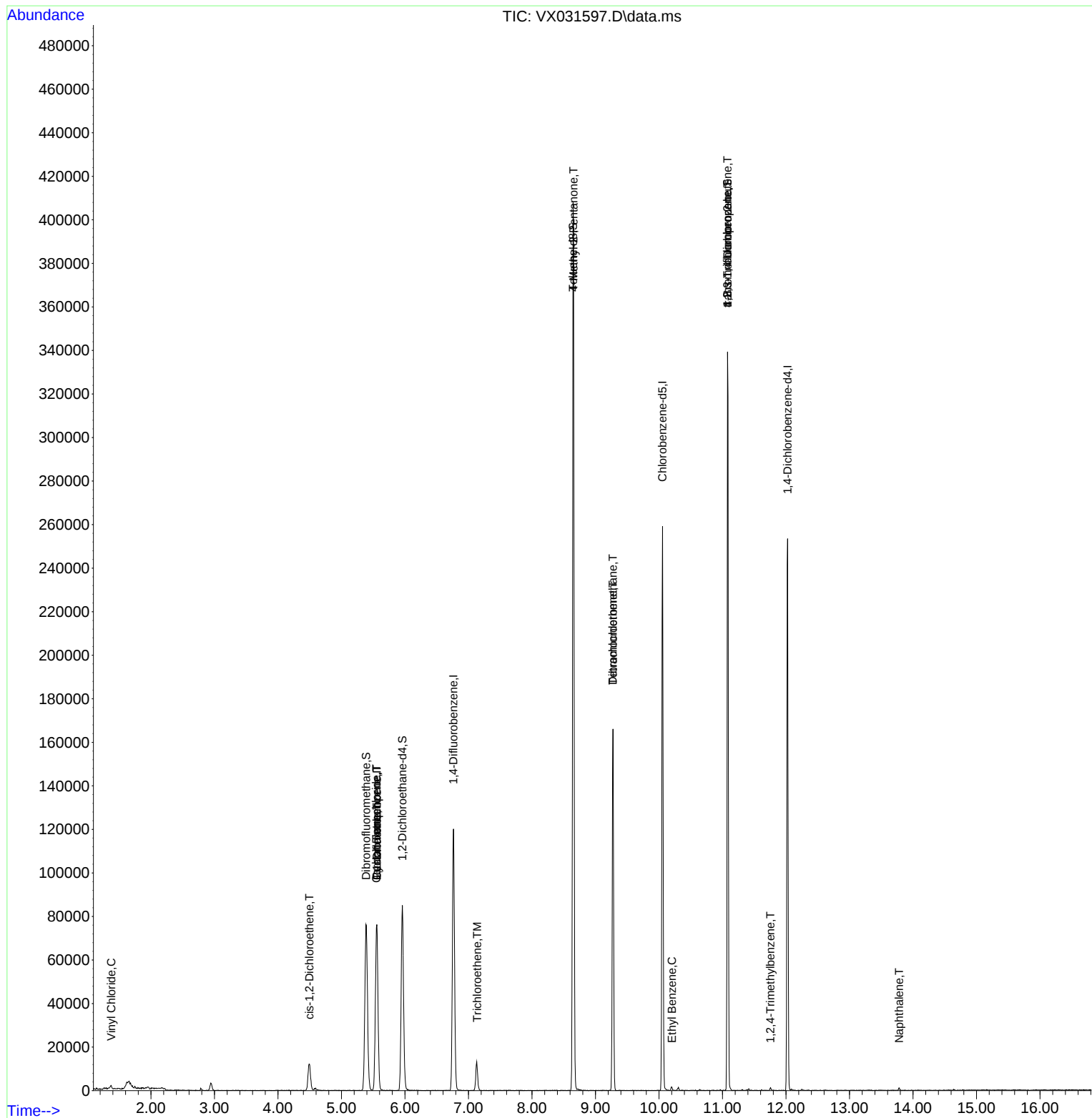
Internal Standards						
1) Pentafluorobenzene	5.556	168	74817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	123053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73618	53.632	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.260%
35) Dibromofluoromethane	5.385	113	62447	49.085	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.160%
50) Toluene-d8	8.647	98	243458	49.659	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.320%
62) 4-Bromofluorobenzene	11.079	95	74795	45.040	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.080%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	602	0.370	ug/l #	69
6) Chloroethane	1.679	64	179	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	2038	Below Cal	#	73
13) Acrolein	2.014	56	24	Below Cal		84
16) Acetone	2.392	43	164	Below Cal	#	45
20) Methylene Chloride	2.788	84	377	Below Cal	#	63
27) cis-1,2-Dichloroethene	4.495	96	7956	5.020	ug/l	79
31) Cyclohexane	5.556	56	1725	0.848	ug/l #	51
36) 1,1-Dichloropropene	5.556	75	5854	2.993	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7585	3.498	ug/l #	15
44) Trichloroethene	7.135	130	4832	2.920	ug/l	72
51) 4-Methyl-2-Pentanone	8.653	43	1211	0.525	ug/l #	1
60) Dibromochloromethane	9.275	129	25883	15.543	ug/l #	11
64) Tetrachloroethene	9.275	164	28183	20.780	ug/l	96
67) Ethyl Benzene	10.201	91	1277	0.208	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.079	83	168	Below Cal	#	9
76) 1,2,3-Trichloropropane	11.079	75	43192	38.171	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	43192	122.904	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.756	105	660	0.209	ug/l	93
95) Naphthalene	13.780	128	1005	0.277	ug/l #	93

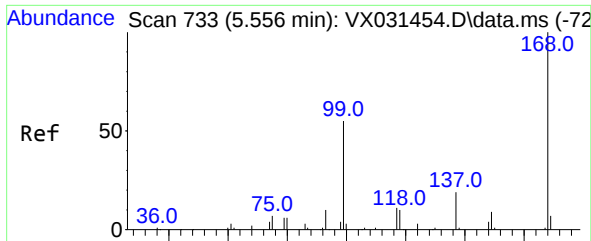
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
MW-3RRBDL

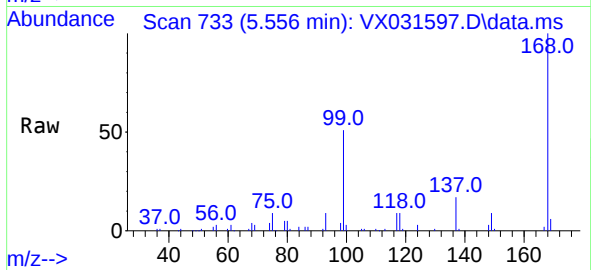
Quant Time: Sep 23 04:47:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration



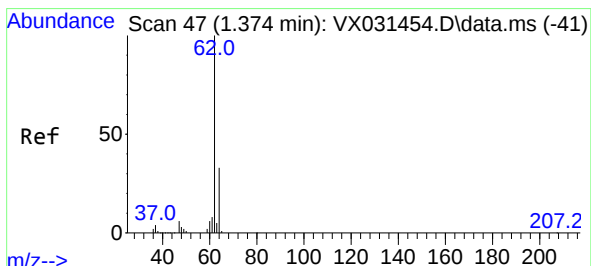
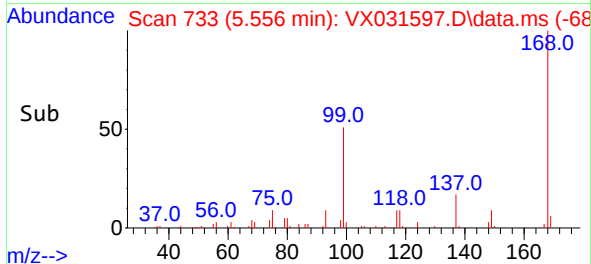
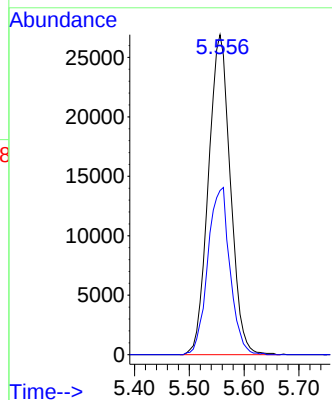


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

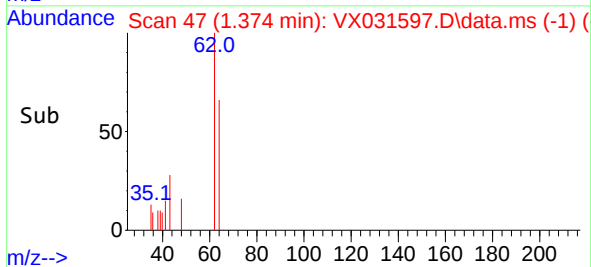
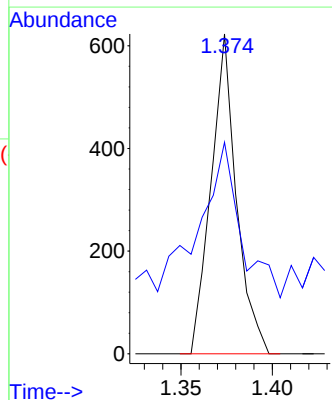
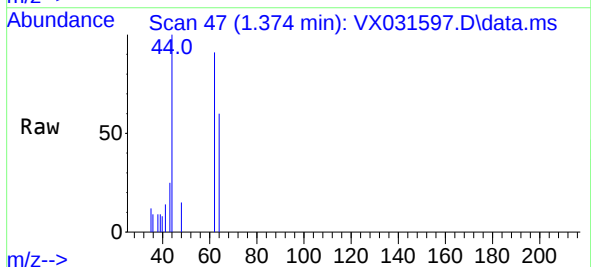


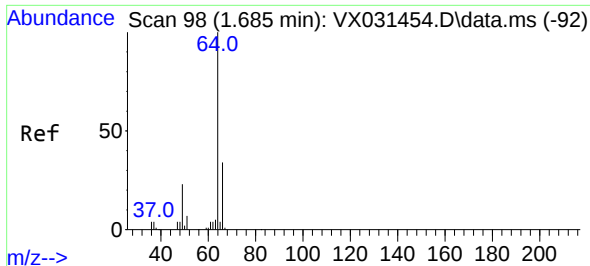
Tgt Ion:168 Resp: 74817
Ion Ratio Lower Upper
168 100
99 51.3 48.8 73.2



#4
Vinyl Chloride
Concen: 0.370 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 62 Resp: 602
Ion Ratio Lower Upper
62 100
64 48.6 25.3 37.9#

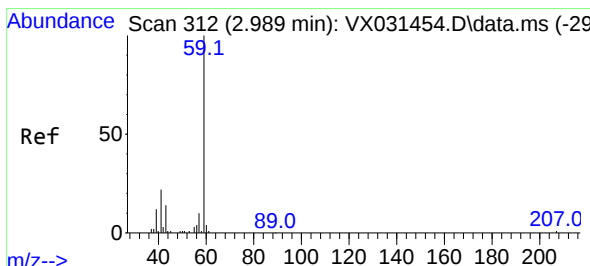
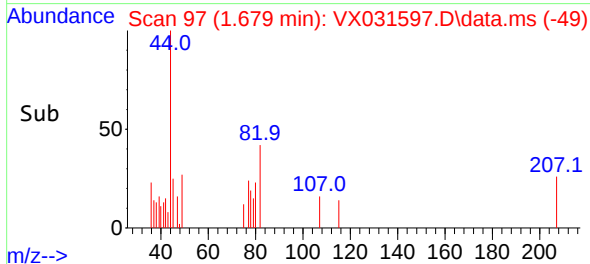
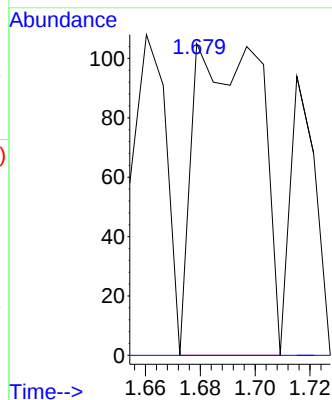
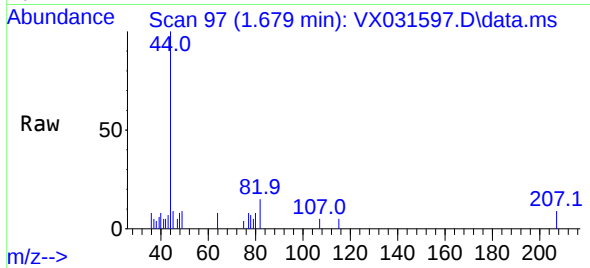




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

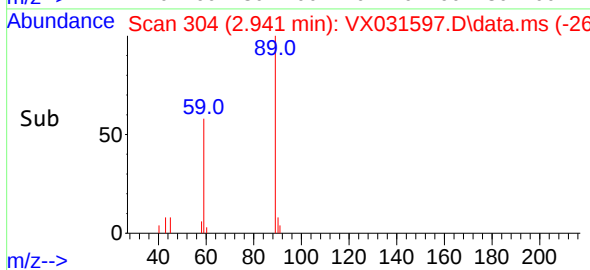
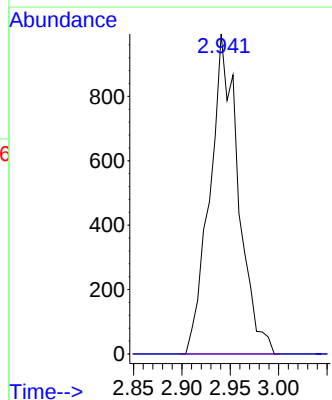
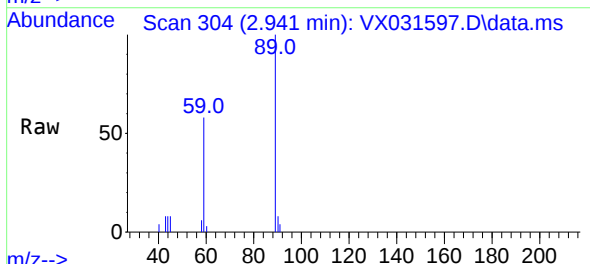
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

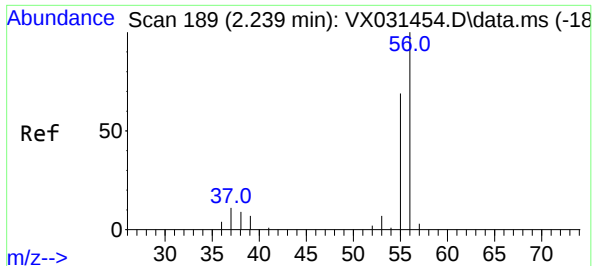
Tgt Ion: 64 Resp: 179
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 59 Resp: 2038
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.014 min Scan# 11

Delta R.T. -0.225 min

Lab File: VX031597.D

Acq: 23 Sep 2022 02:57

Instrument :

MSVOA_X

ClientSampleId :

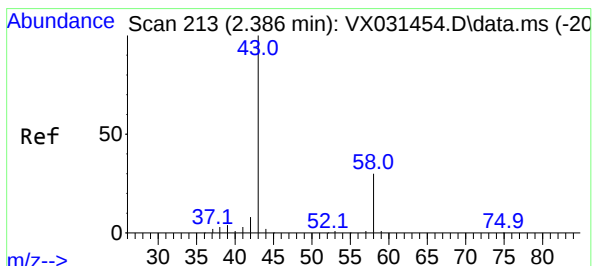
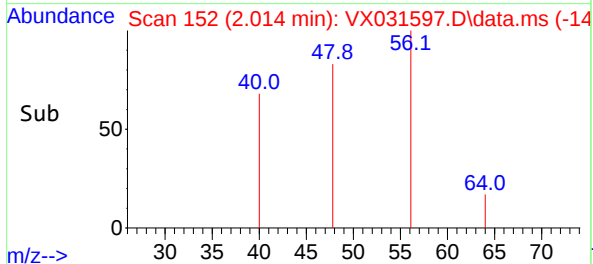
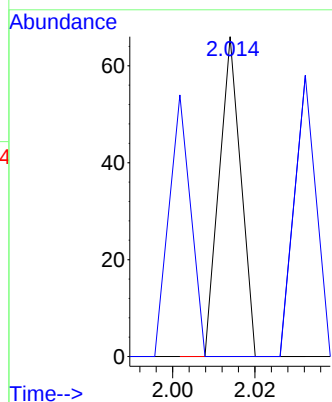
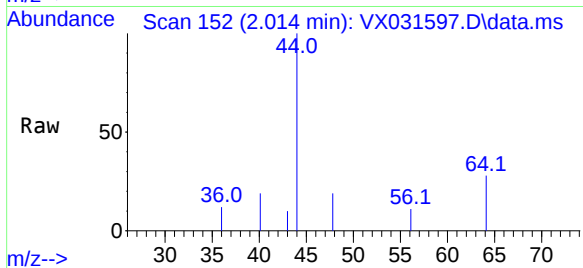
MW-3RRBDL

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 83.3 56.0 84.0



#16

Acetone

Concen: Below Cal

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031597.D

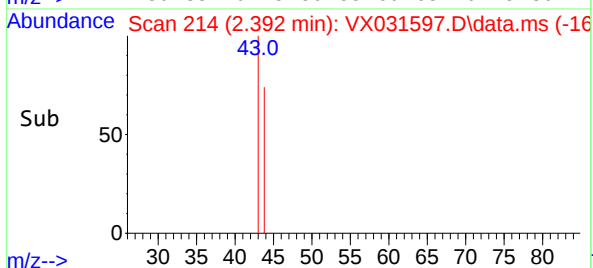
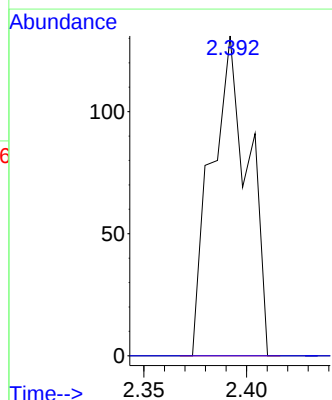
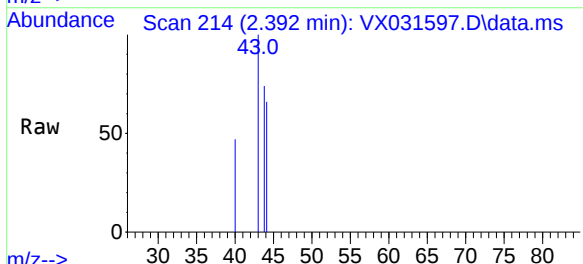
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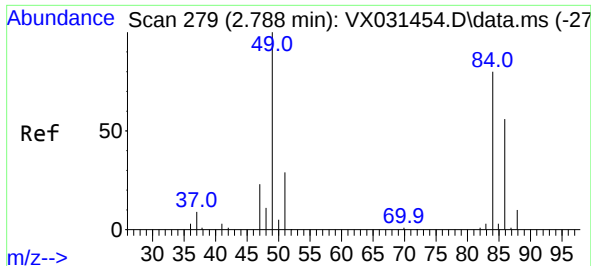
Tgt Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031597.D

Acq: 23 Sep 2022 02:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3RRBDL

Tgt Ion: 84 Resp: 377

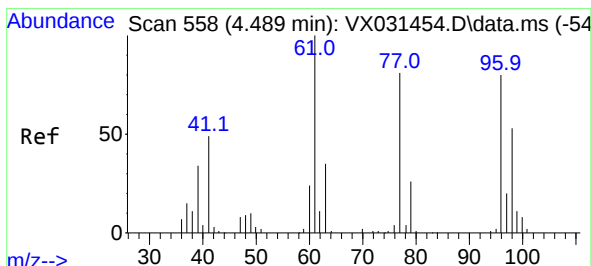
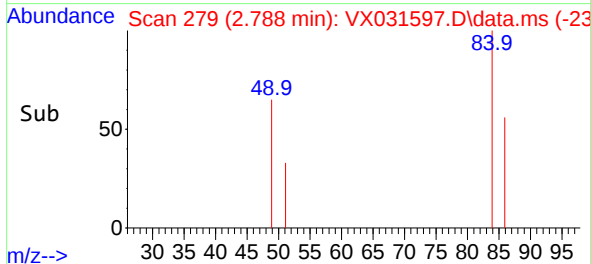
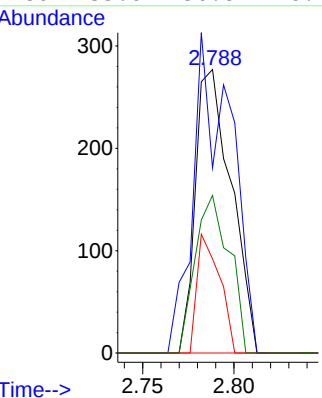
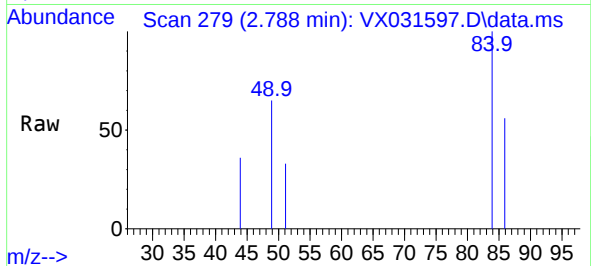
Ion Ratio Lower Upper

84 100

49 65.3 105.9 158.9#

51 33.2 32.2 48.2

86 55.6 50.8 76.2



#27

cis-1,2-Dichloroethene

Concen: 5.020 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX031597.D

Acq: 23 Sep 2022 02:57

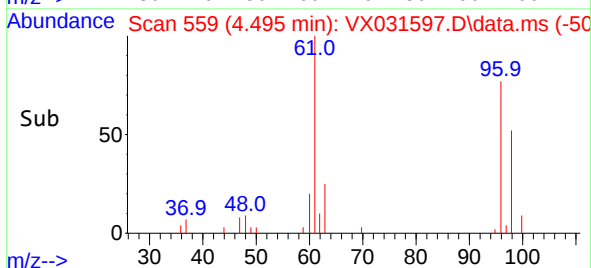
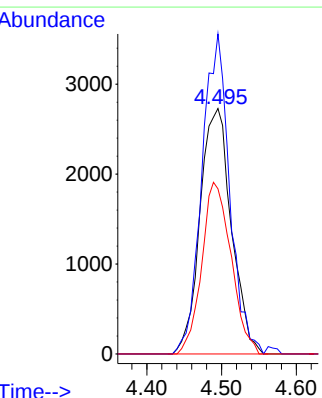
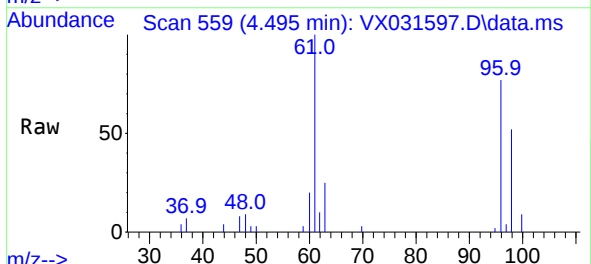
Tgt Ion: 96 Resp: 7956

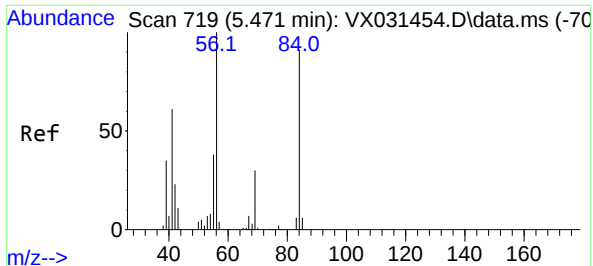
Ion Ratio Lower Upper

96 100

61 115.4 0.0 305.2

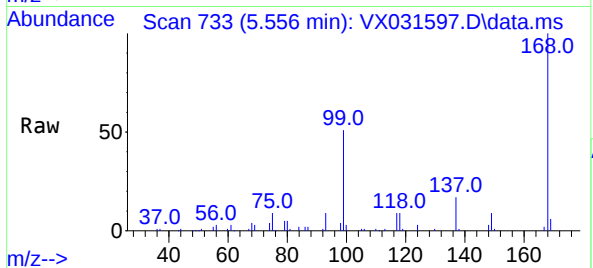
98 65.5 0.0 128.4



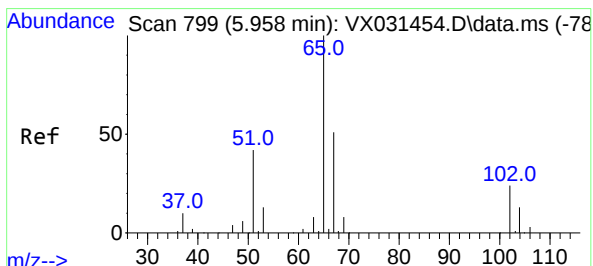
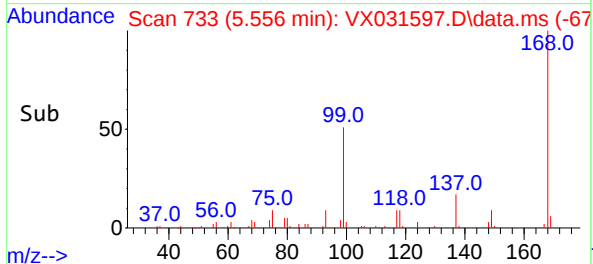
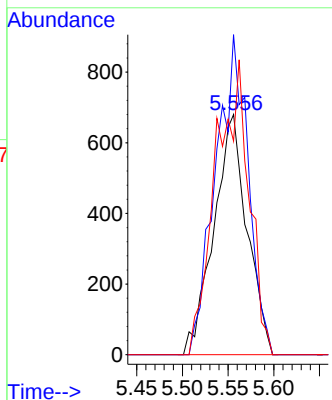


#31
Cyclohexane
Concen: 0.848 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

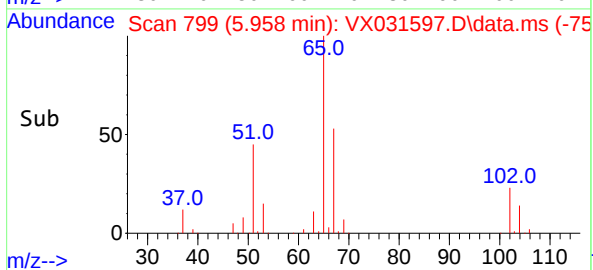
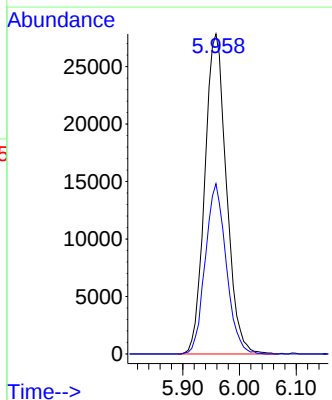
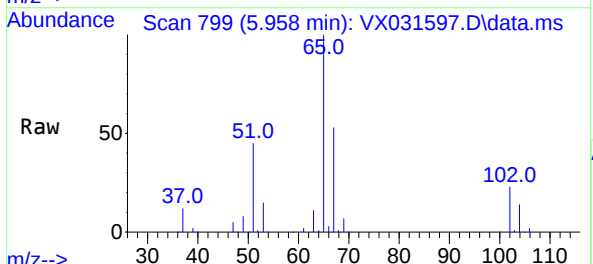


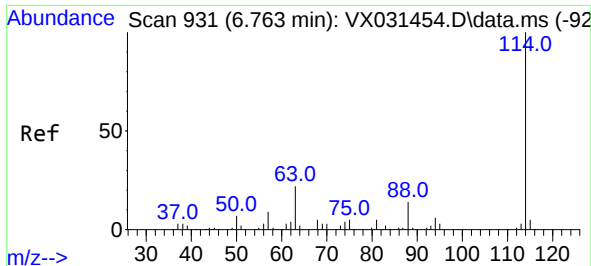
Tgt Ion: 56 Resp: 1725
Ion Ratio Lower Upper
56 100
69 133.2 25.1 37.7#
84 89.0 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 53.632 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 65 Resp: 73618
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.4

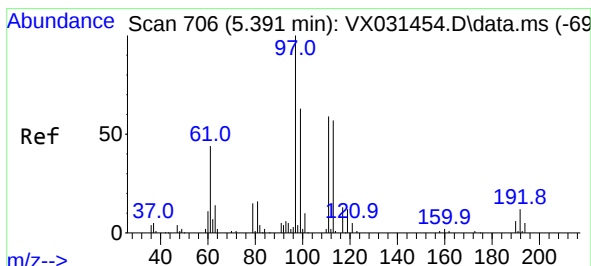
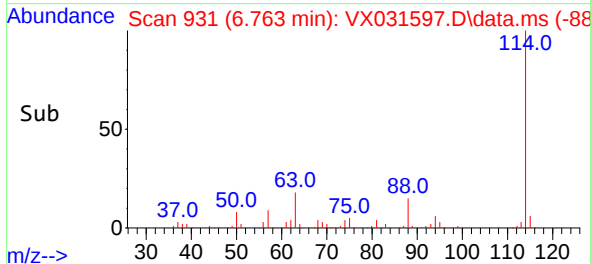
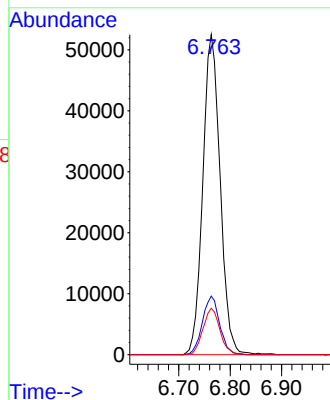
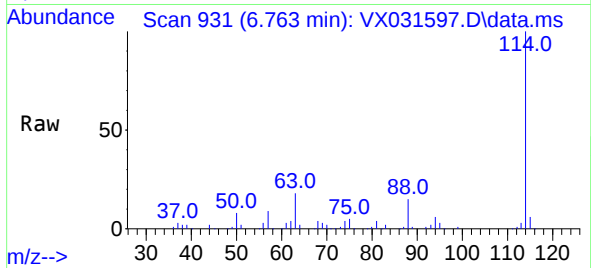




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

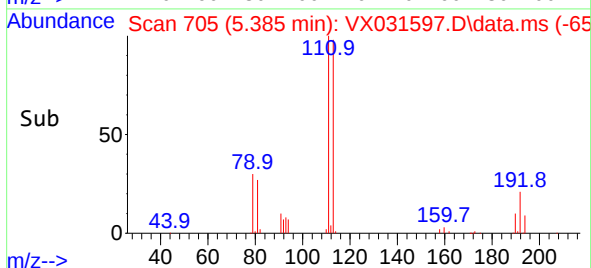
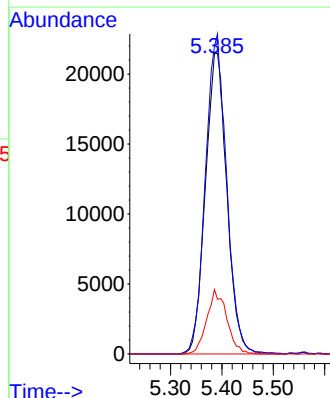
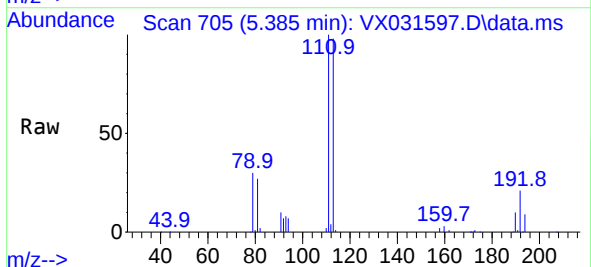
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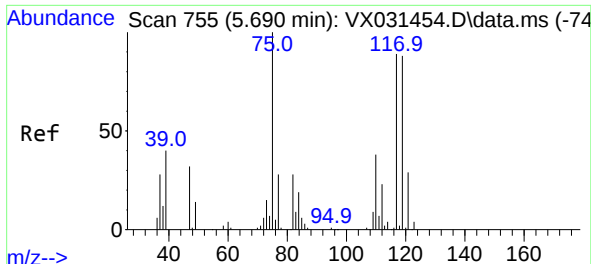
Tgt Ion:114 Resp: 123053
Ion Ratio Lower Upper
114 100
63 18.3 0.0 42.6
88 14.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.085 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion:113 Resp: 62447
Ion Ratio Lower Upper
113 100
111 104.7 82.4 123.6
192 19.8 14.1 21.1

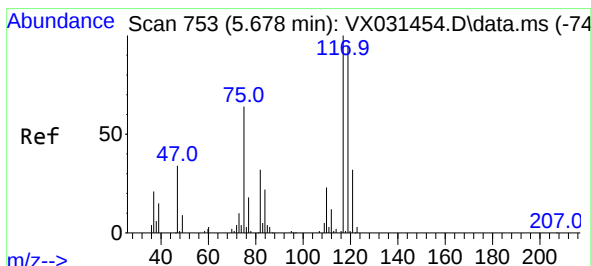
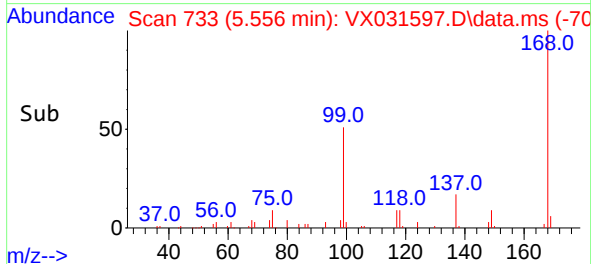
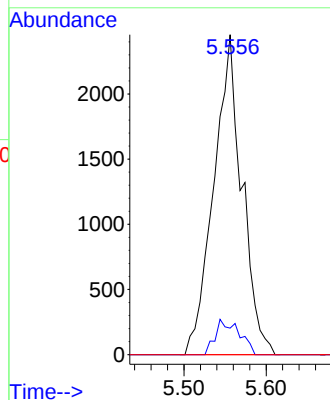
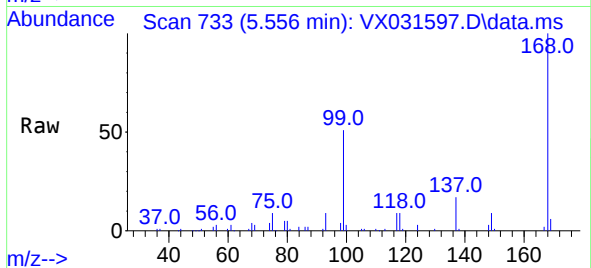




#36
1,1-Dichloropropene
Concen: 2.993 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

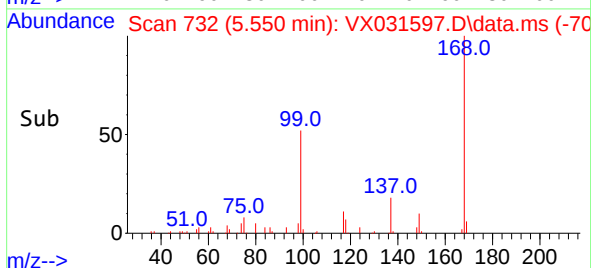
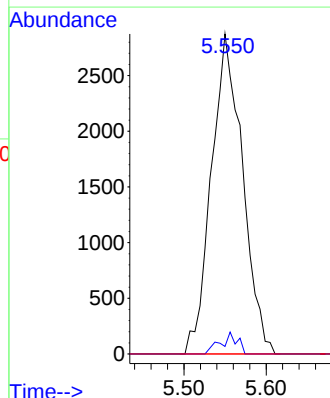
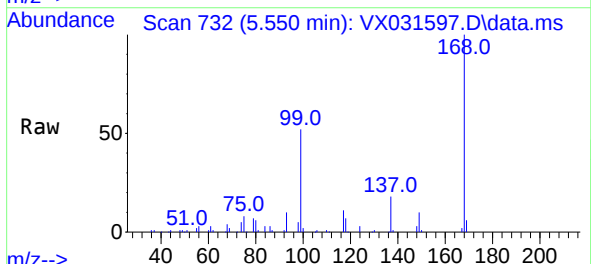
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

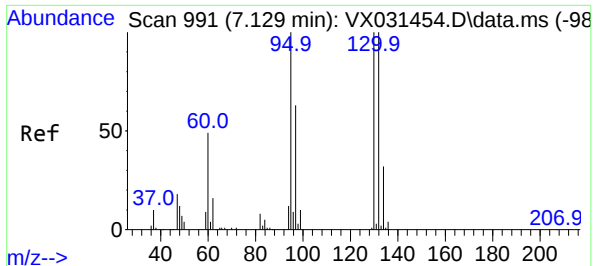
Tgt Ion: 75 Resp: 5854
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.498 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 117 Resp: 7585
Ion Ratio Lower Upper
117 100
119 2.4 74.6 112.0#
121 0.0 25.3 37.9#

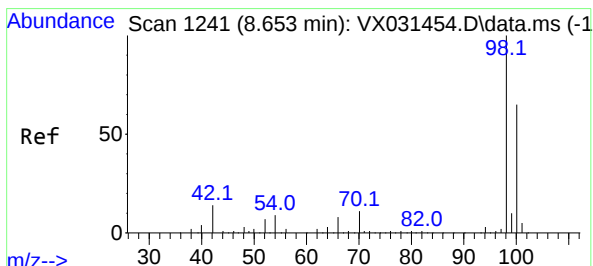
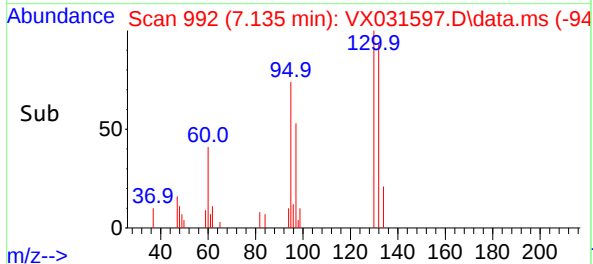
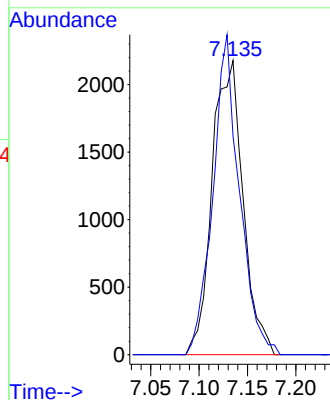
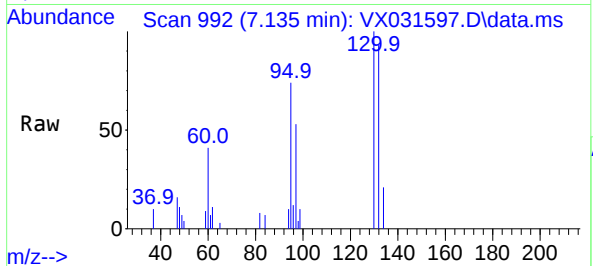




#44
Trichloroethene
Concen: 2.920 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

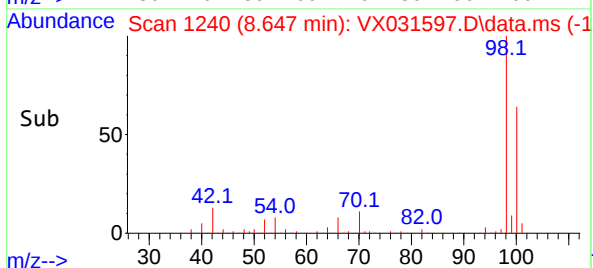
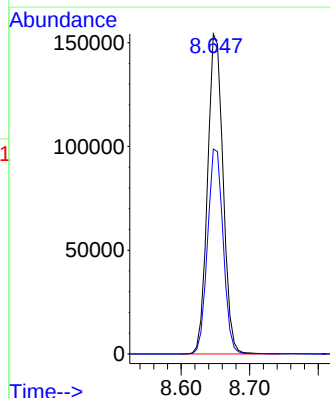
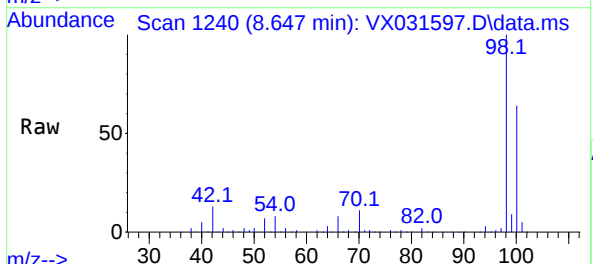
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

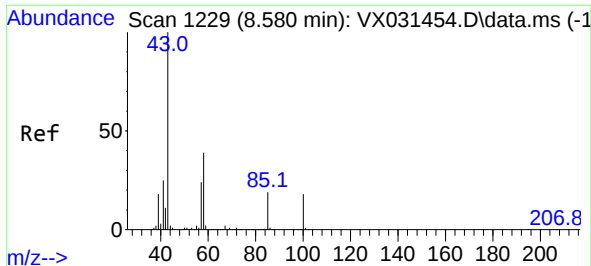
Tgt Ion:130 Resp: 4832
Ion Ratio Lower Upper
130 100
95 74.4 0.0 206.8



#50
Toluene-d8
Concen: 49.659 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 98 Resp: 243458
Ion Ratio Lower Upper
98 100
100 64.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.525 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX031597.D

Acq: 23 Sep 2022 02:57

Instrument :

MSVOA_X

ClientSampleId :

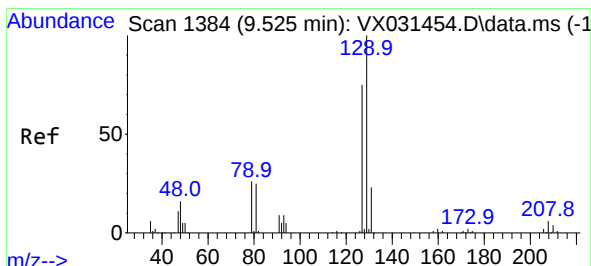
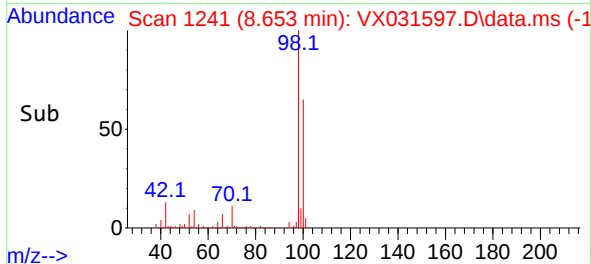
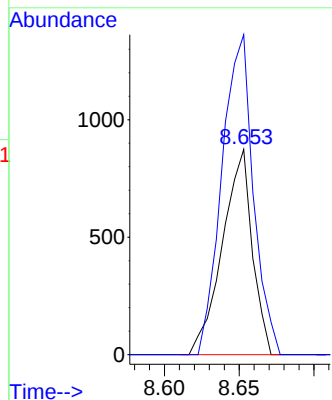
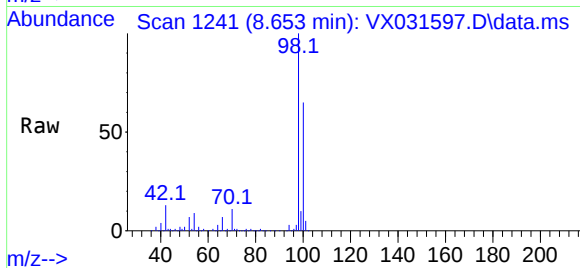
MW-3RRBDL

Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

58 163.9 30.6 46.0#



#60

Dibromochloromethane

Concen: 15.543 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX031597.D

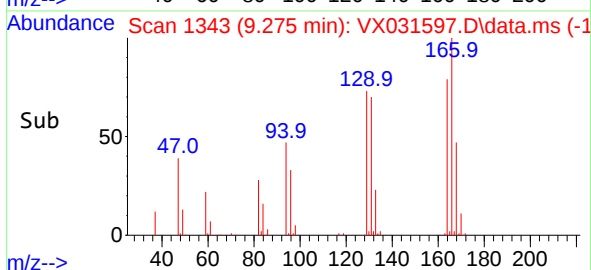
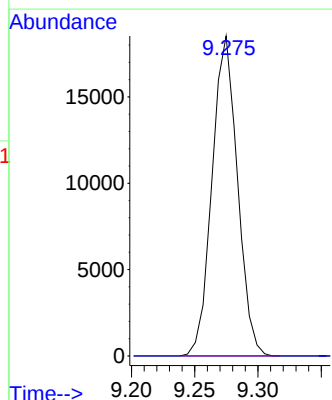
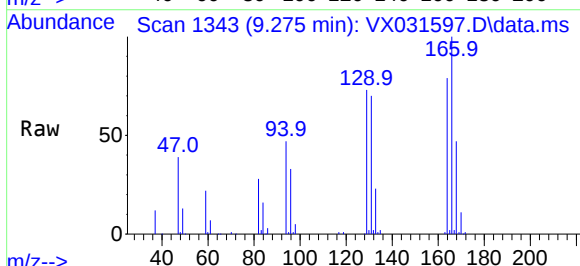
Acq: 23 Sep 2022 02:57

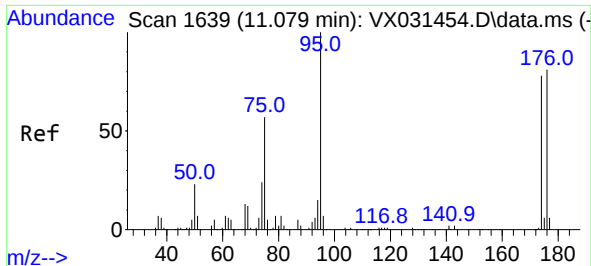
Tgt Ion: 129 Resp: 25883

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#





#62

4-Bromofluorobenzene

Concen: 45.040 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031597.D

Acq: 23 Sep 2022 02:57

Instrument :

MSVOA_X

ClientSampleId :

MW-3RRBDL

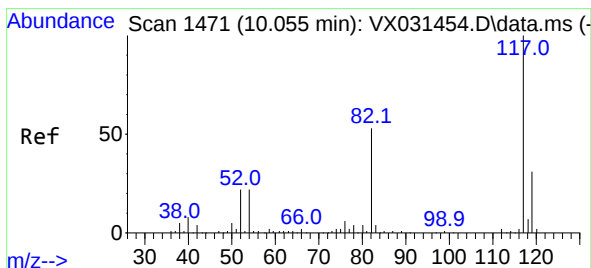
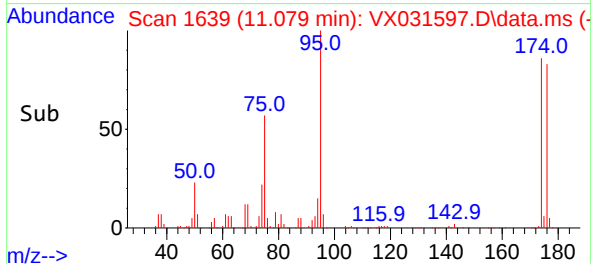
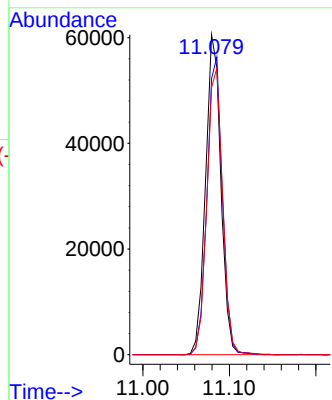
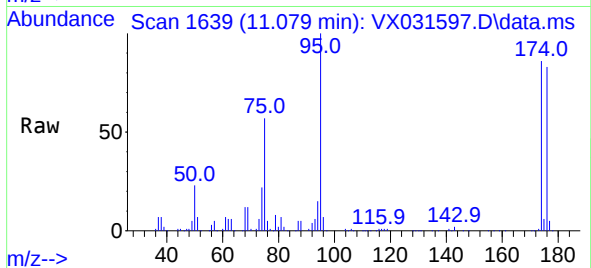
Tgt Ion: 95 Resp: 74795

Ion Ratio Lower Upper

95 100

174 92.9 0.0 153.2

176 91.4 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031597.D

Acq: 23 Sep 2022 02:57

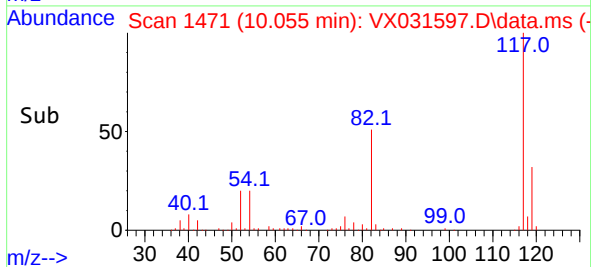
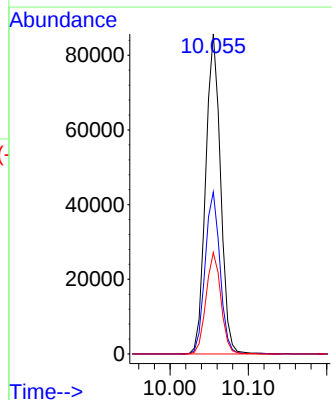
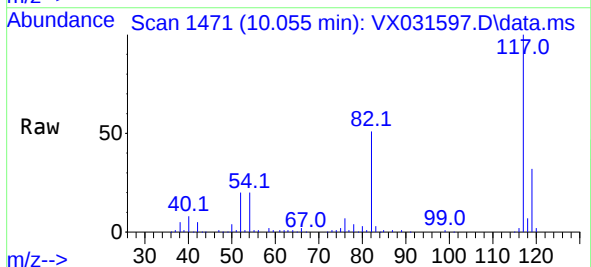
Tgt Ion: 117 Resp: 112915

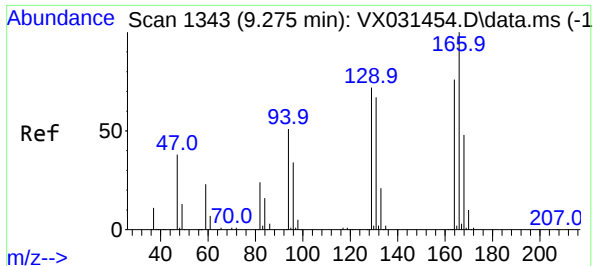
Ion Ratio Lower Upper

117 100

82 50.6 46.8 70.2

119 31.7 26.4 39.6

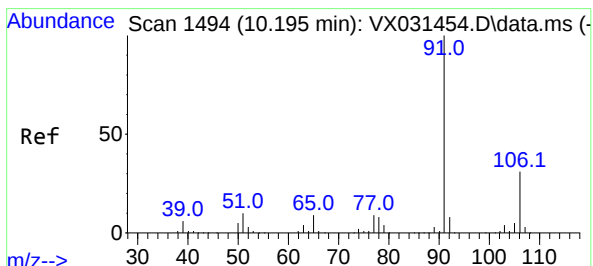
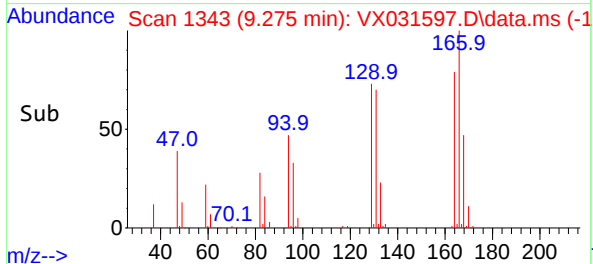
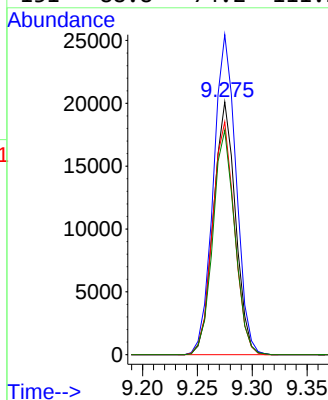
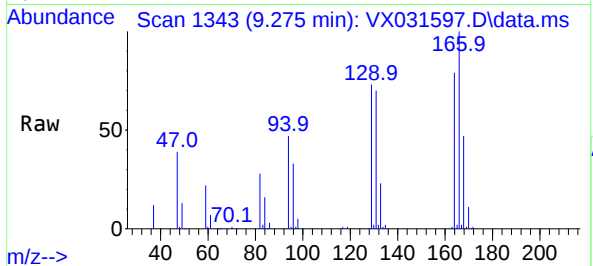




#64
Tetrachloroethene
Concen: 20.780 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

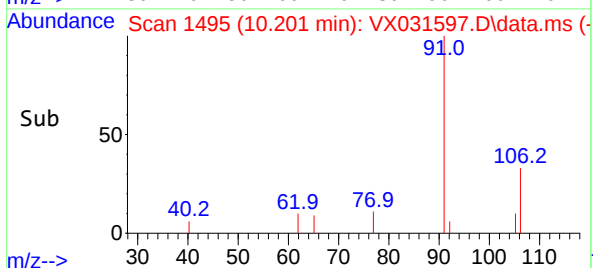
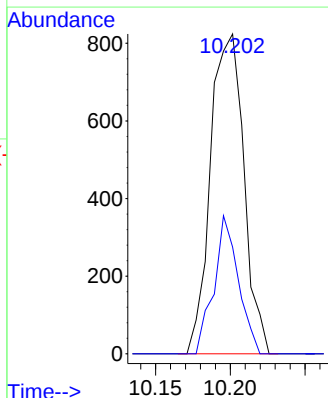
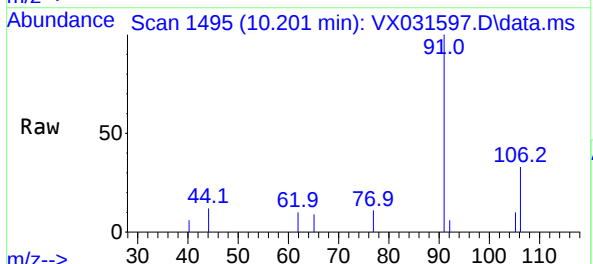
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

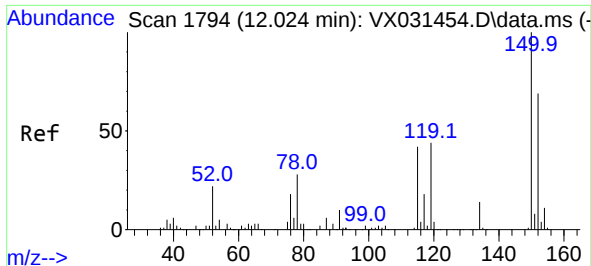
Tgt Ion:164 Resp: 28183
Ion Ratio Lower Upper
164 100
166 126.6 99.0 148.4
129 92.1 78.0 117.0
131 88.8 74.2 111.2



#67
Ethyl Benzene
Concen: 0.208 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 91 Resp: 1277
Ion Ratio Lower Upper
91 100
106 33.4 25.2 37.8

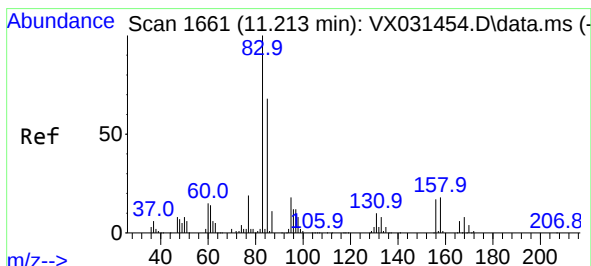
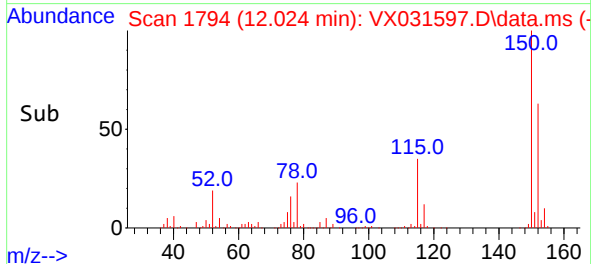
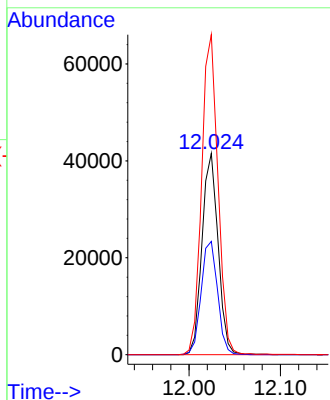
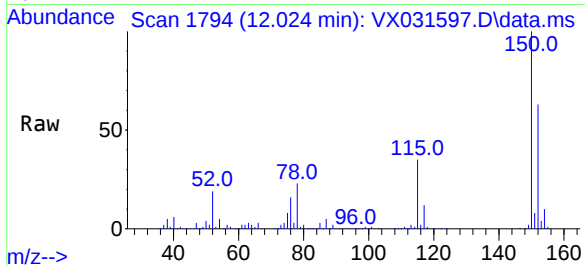




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

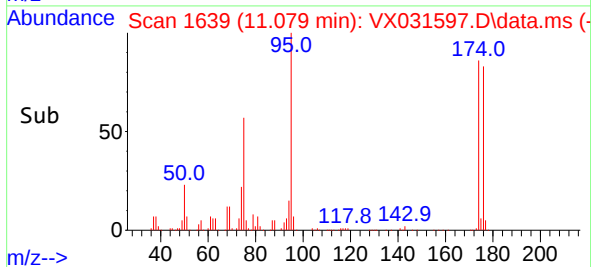
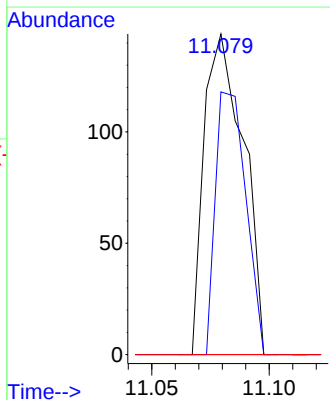
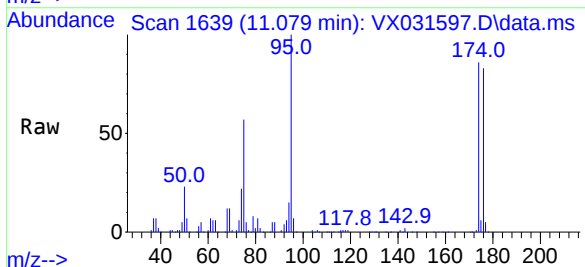
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

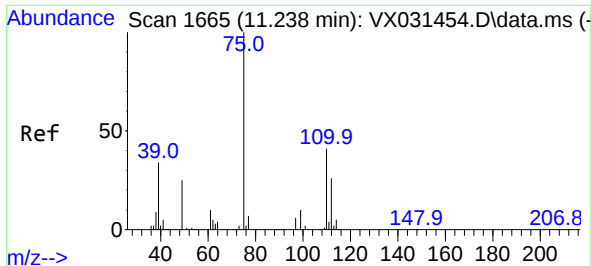
Tgt Ion:152 Resp: 50699
Ion Ratio Lower Upper
152 100
115 57.5 43.4 130.1
150 161.2 0.0 346.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 83 Resp: 168
Ion Ratio Lower Upper
83 100
131 63.1 5.1 15.4#
85 0.0 32.6 97.8#

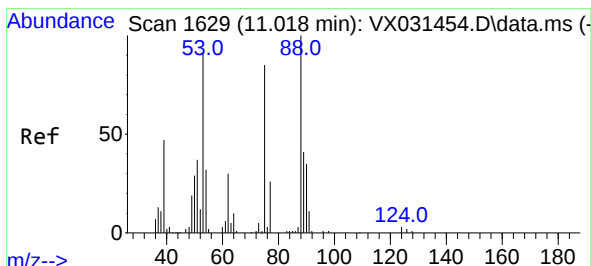
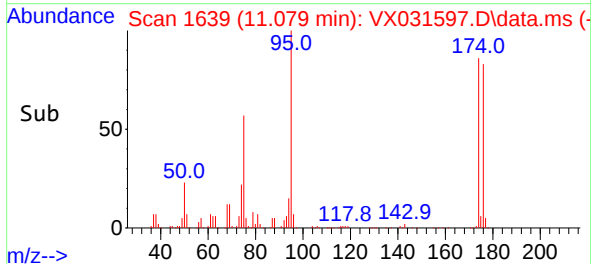
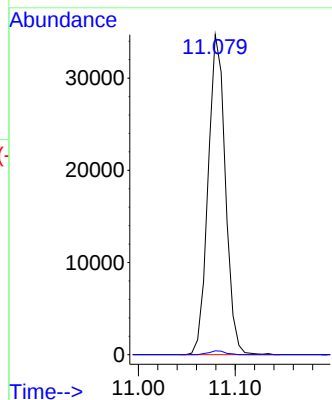
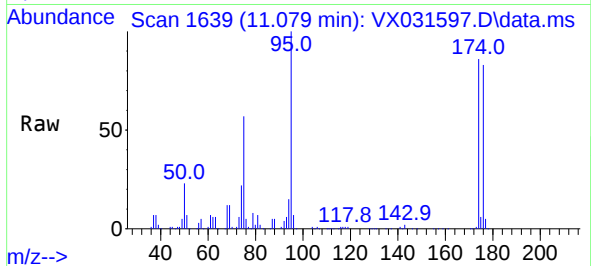




#76
1,2,3-Trichloropropane
Concen: 38.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

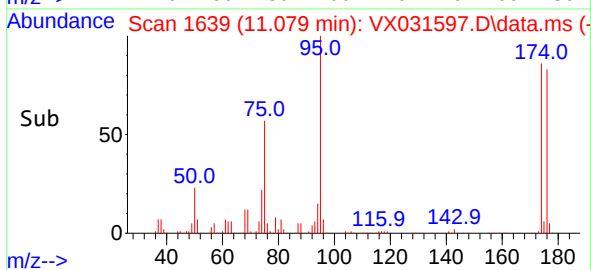
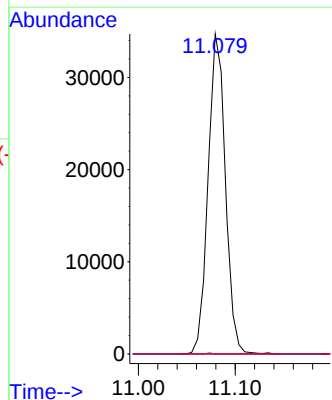
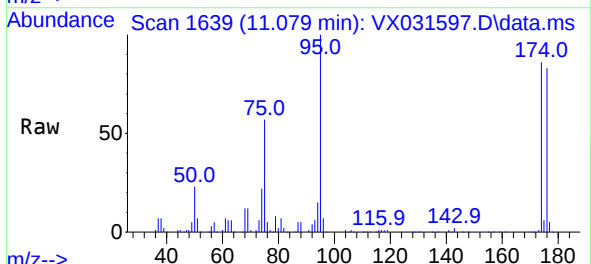
Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

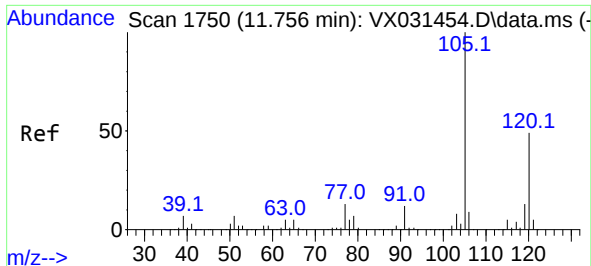
Tgt Ion: 75 Resp: 43192
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.904 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion: 75 Resp: 43192
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.1 37.4 56.0#

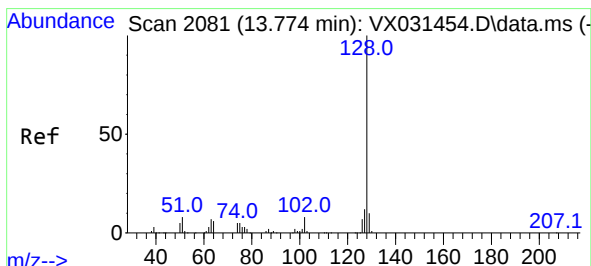
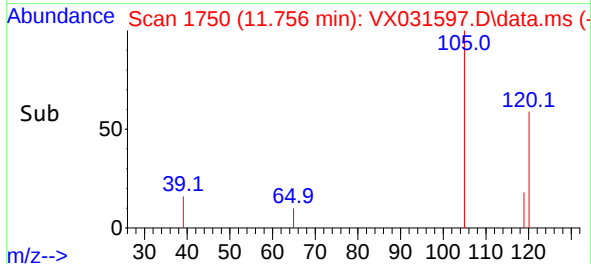
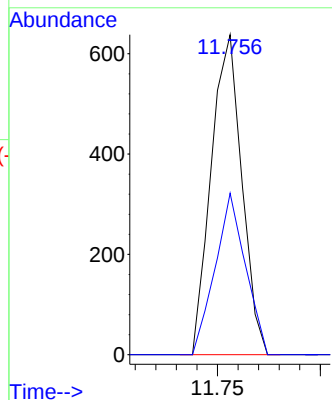
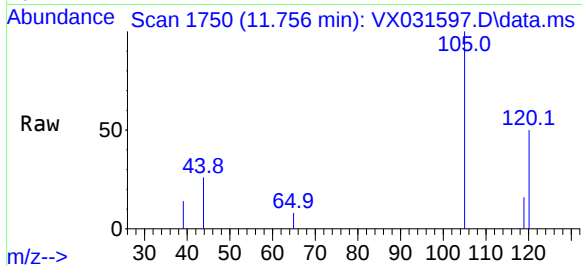




#84
1,2,4-Trimethylbenzene
Concen: 0.209 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Instrument :
MSVOA_X
ClientSampleId :
MW-3RRBDL

Tgt Ion:105 Resp: 660
Ion Ratio Lower Upper
105 100
120 50.0 22.6 67.8



#95
Naphthalene
Concen: 0.277 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031597.D
Acq: 23 Sep 2022 02:57

Tgt Ion:128 Resp: 1005
Ion Ratio Lower Upper
128 100
127 10.0 10.4 15.6#
129 8.5 8.8 13.2#

