

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030998.D
 Acq On : 01 Sep 2022 00:09
 Operator : JC/MD
 Sample : N4380-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25

Quant Time: Sep 06 02:27:09 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)

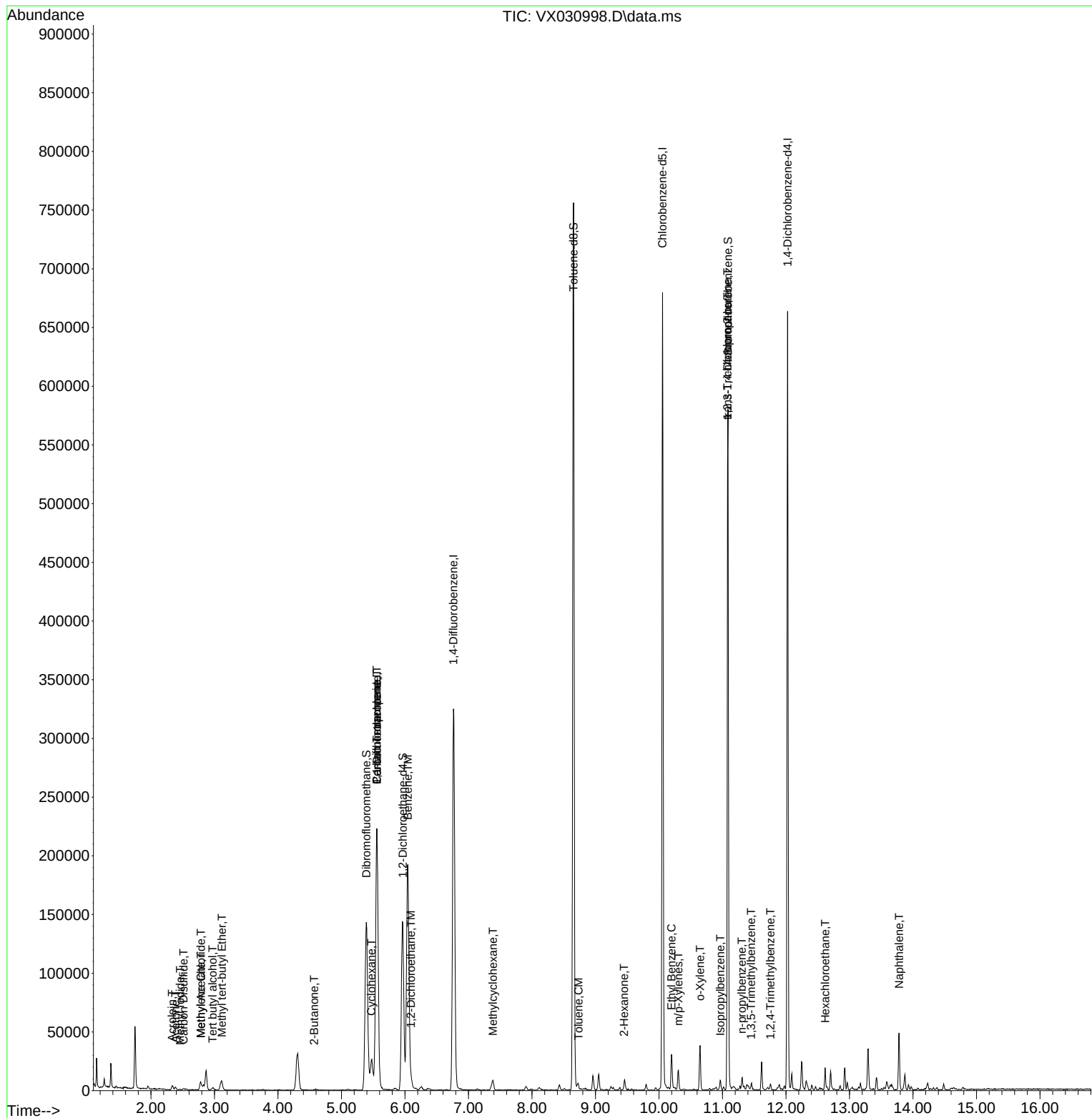
Internal Standards						
1) Pentafluorobenzene	5.556	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	362811	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	139809	44.194	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.380%
35) Dibromofluoromethane	5.391	113	130339	48.735	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	8.653	98	485988	49.068	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.140%
62) 4-Bromofluorobenzene	11.085	95	164209	46.557	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.120%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	440	Below Cal		98
10) Methyl Iodide	2.459	142	512	4.562	ug/l #	83
11) Tert butyl alcohol	2.971	59	2585	3.449	ug/l	97
13) Acrolein	2.331	56	353	8.175	ug/l #	71
16) Acetone	2.386	43	2412	1.689	ug/l #	84
17) Carbon Disulfide	2.514	76	1681	0.238	ug/l #	90
18) Methyl Acetate	2.788	43	4254	1.016	ug/l #	51
19) Methyl tert-butyl Ether	3.117	73	4918	0.563	ug/l #	24
20) Methylene Chloride	2.788	84	844	0.260	ug/l #	68
25) 2-Butanone	4.568	43	509	0.220	ug/l #	48
31) Cyclohexane	5.471	56	16689	3.564	ug/l	93
36) 1,1-Dichloropropene	5.556	75	15750	3.962	ug/l #	48
38) Carbon Tetrachloride	5.556	117	20955	5.537	ug/l #	17
39) Methylcyclohexane	7.385	83	3624	0.745	ug/l	96
40) Benzene	6.044	78	250569	21.871	ug/l	96
42) 1,2-Dichloroethane	6.092	62	9865	2.592	ug/l	98
52) Toluene	8.732	92	1789	0.256	ug/l	95
59) 2-Hexanone	9.452	43	1008	0.317	ug/l	93
67) Ethyl Benzene	10.195	91	18171	1.342	ug/l	98
68) m/p-Xylenes	10.305	106	4223	0.823	ug/l	95
69) o-Xylene	10.647	106	8469	1.687	ug/l	97
73) Isopropylbenzene	10.964	105	4161	0.366	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	74973	21.173	ug/l #	38
78) n-propylbenzene	11.305	91	5984	0.449	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	2496	0.260	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	74973	62.951	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.756	105	1993	0.203	ug/l	95
90) Hexachloroethane	12.616	117	934	0.525	ug/l #	16
95) Naphthalene	13.780	128	31773	2.520	ug/l	98

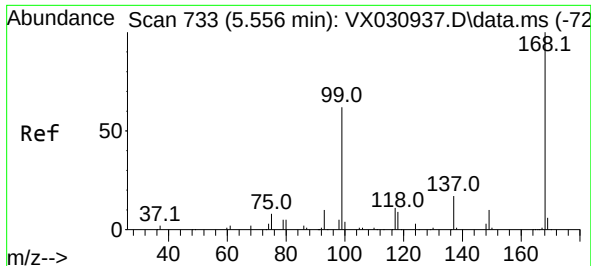
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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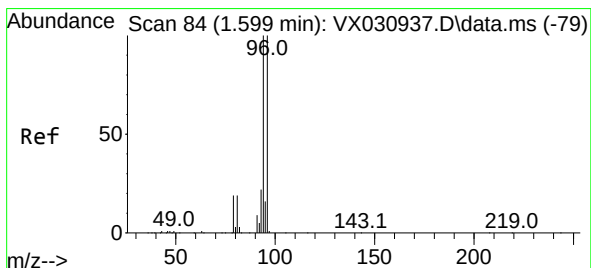
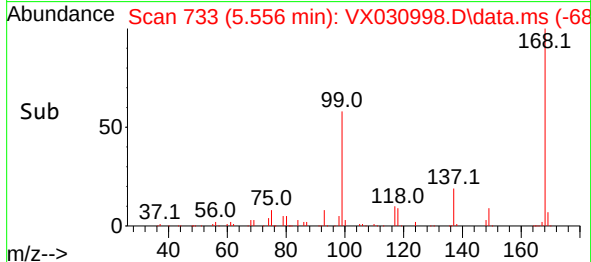
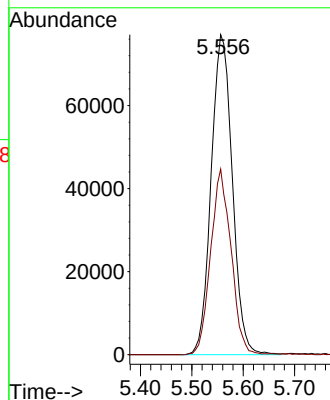
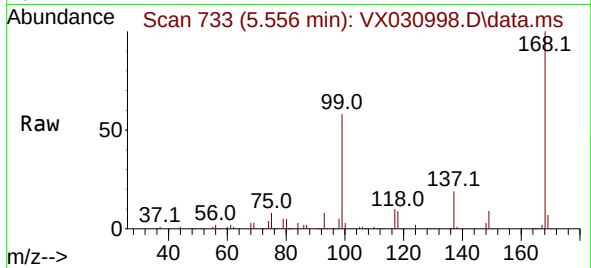




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

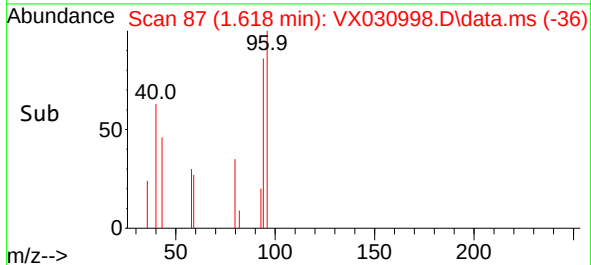
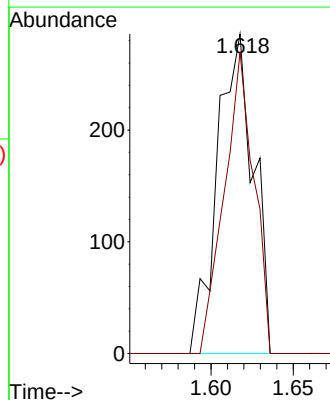
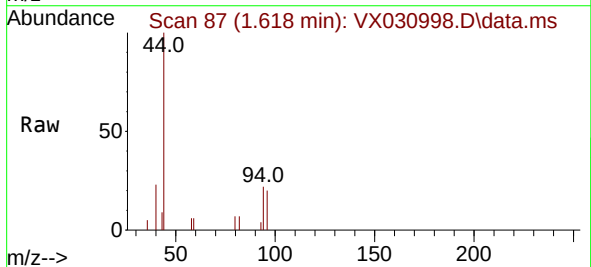
Instrument :
MSVOA_X
ClientSampleId :
MW-25

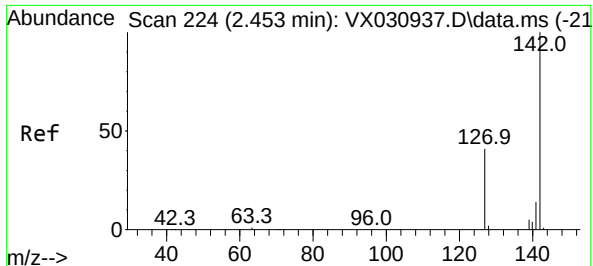
Tgt Ion:168 Resp: 220566
Ion Ratio Lower Upper
168 100
99 58.0 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.013 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 94 Resp: 440
Ion Ratio Lower Upper
94 100
96 94.4 76.9 115.3

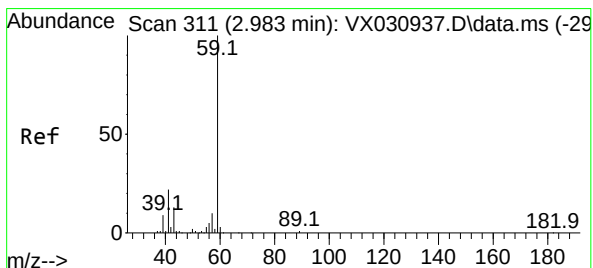
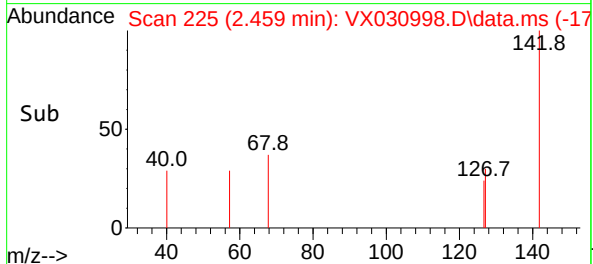
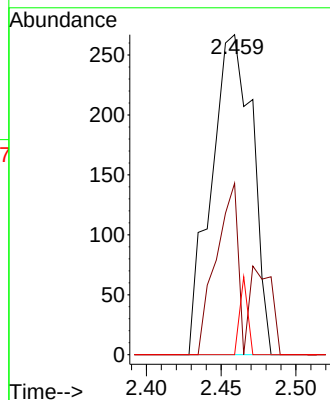
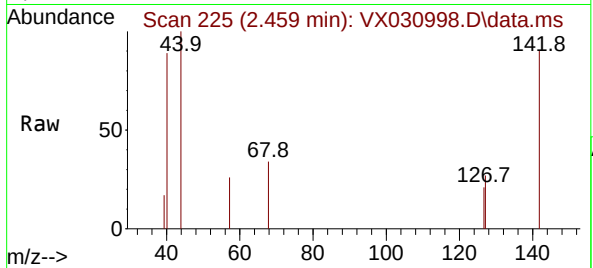




#10
Methyl Iodide
Concen: 4.562 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

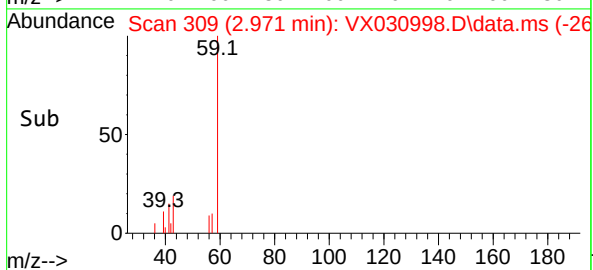
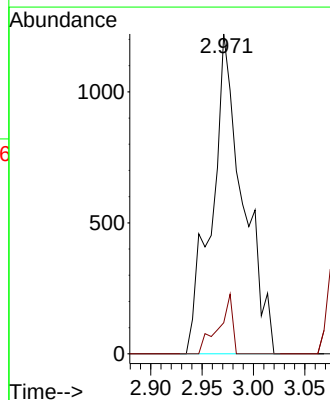
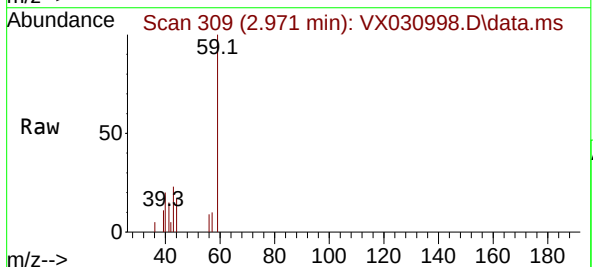
Instrument :
MSVOA_X
ClientSampleId :
MW-25

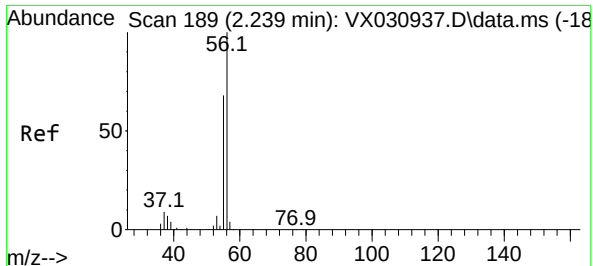
Tgt Ion:142 Resp: 512
Ion Ratio Lower Upper
142 100
127 28.5 30.2 45.2#
141 4.7 11.3 16.9#



#11
Tert butyl alcohol
Concen: 3.449 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 59 Resp: 2585
Ion Ratio Lower Upper
59 100
57 8.2 7.4 11.2





#13

Acrolein

Concen: 8.175 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.092 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

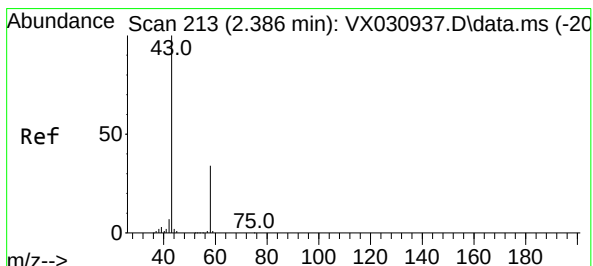
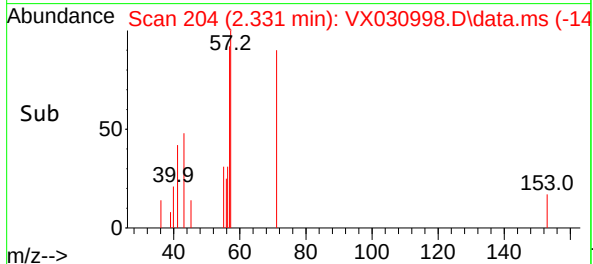
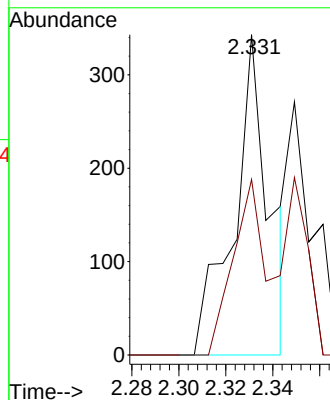
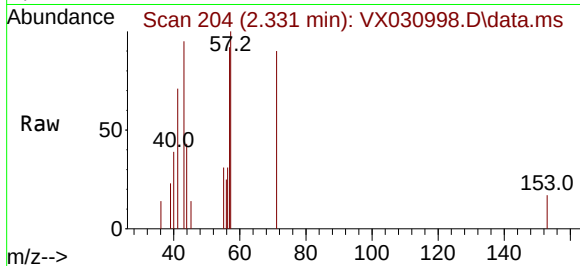
MW-25

Tgt Ion: 56 Resp: 353

Ion Ratio Lower Upper

56 100

55 46.5 56.6 84.8#



#16

Acetone

Concen: 1.689 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX030998.D

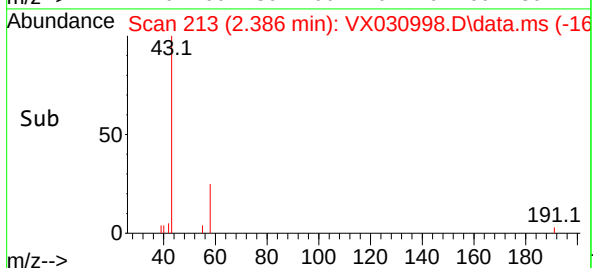
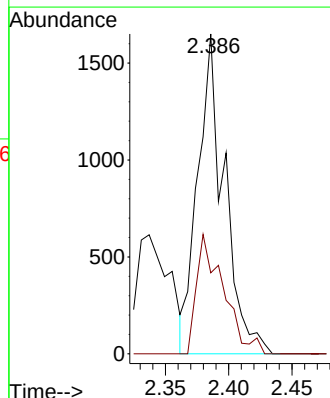
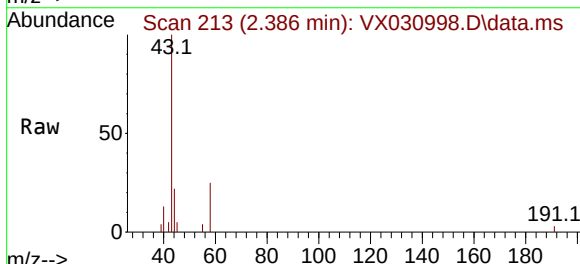
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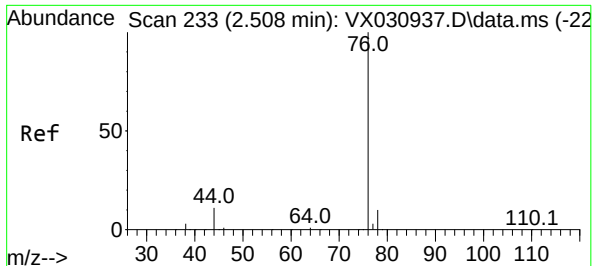
Tgt Ion: 43 Resp: 2412

Ion Ratio Lower Upper

43 100

58 25.3 27.7 41.5#

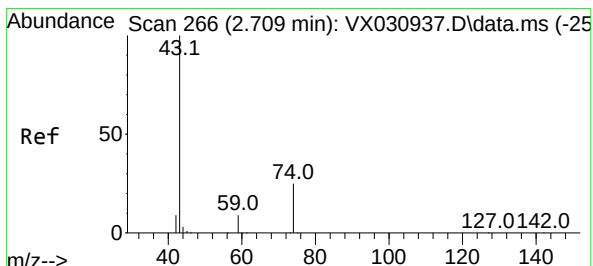
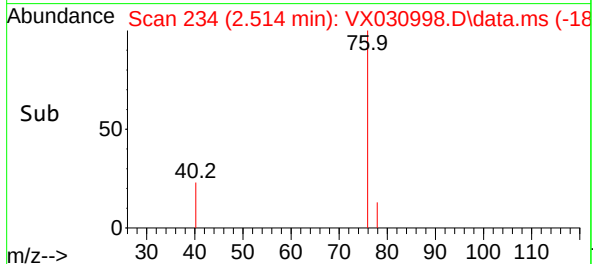
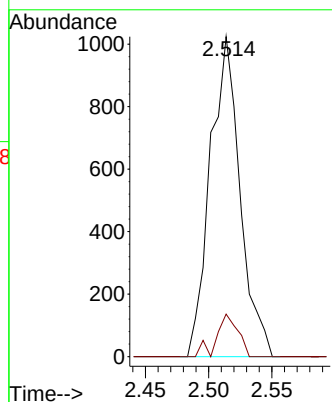
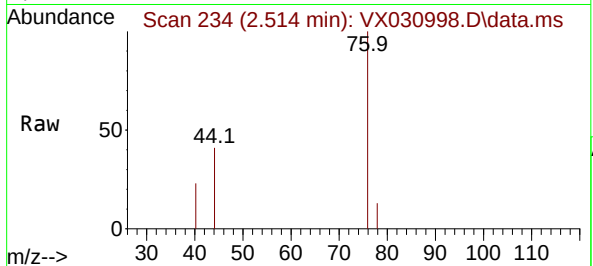




#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

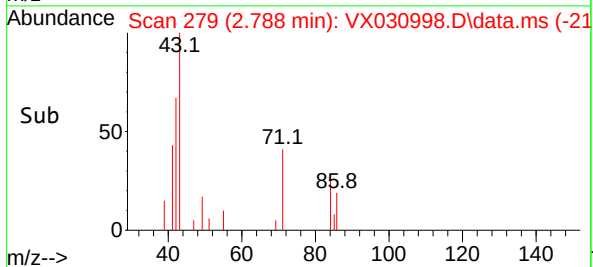
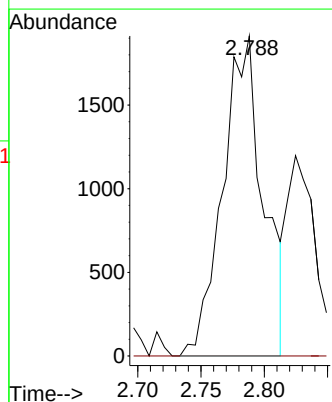
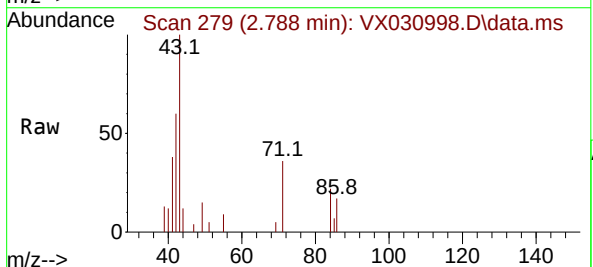
Instrument :
MSVOA_X
ClientSampleId :
MW-25

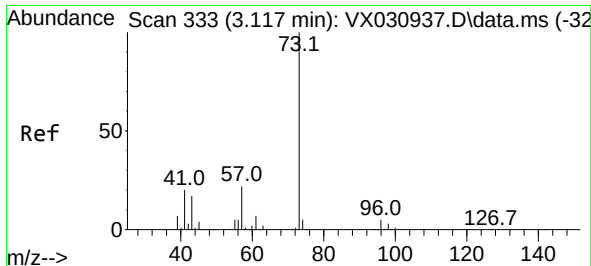
Tgt Ion: 76 Resp: 1681
Ion Ratio Lower Upper
76 100
78 13.3 7.8 11.6#



#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.079 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 43 Resp: 4254
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 0.563 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

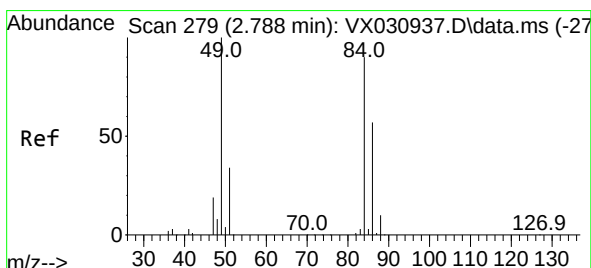
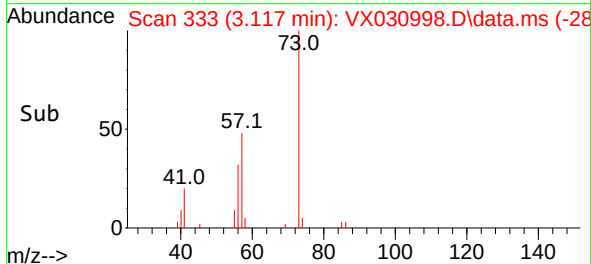
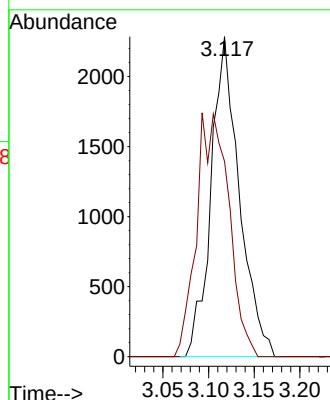
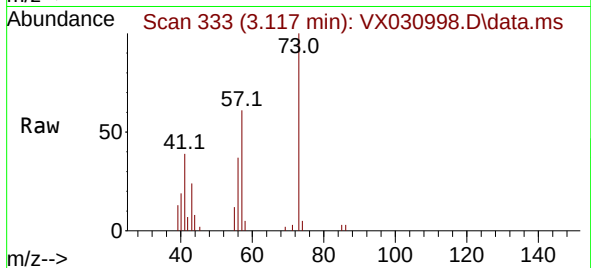
MW-25

Tgt Ion: 73 Resp: 4918

Ion Ratio Lower Upper

73 100

57 61.1 19.0 28.6#



#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

Tgt Ion: 84 Resp: 844

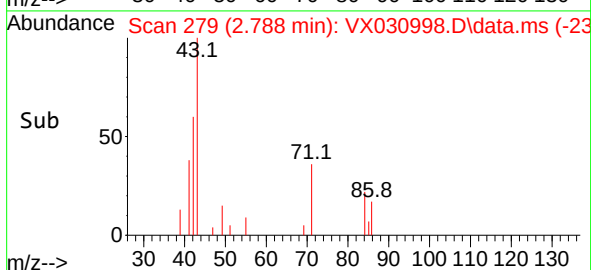
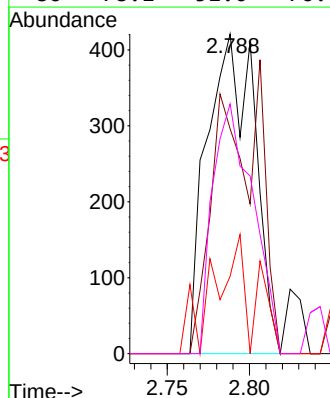
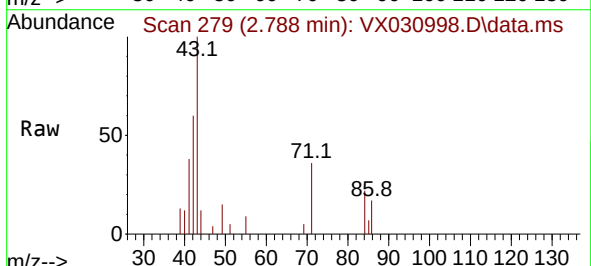
Ion Ratio Lower Upper

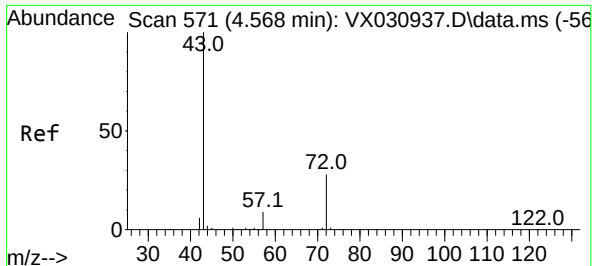
84 100

49 70.3 93.8 140.6#

51 24.2 29.4 44.0#

86 78.1 51.0 76.4#





#25

2-Butanone

Concen: 0.220 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

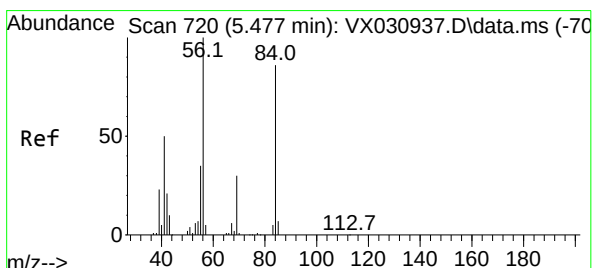
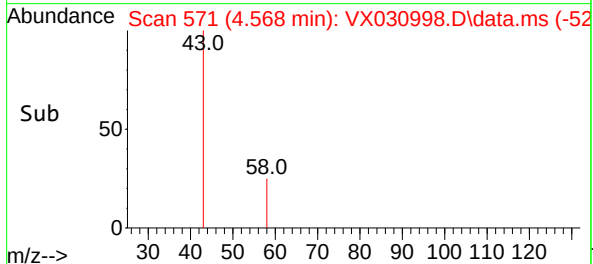
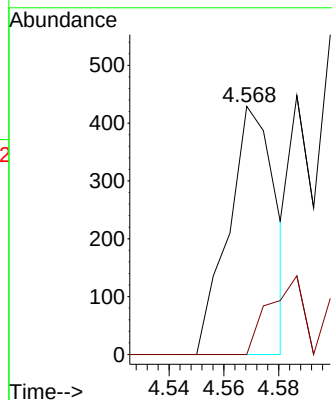
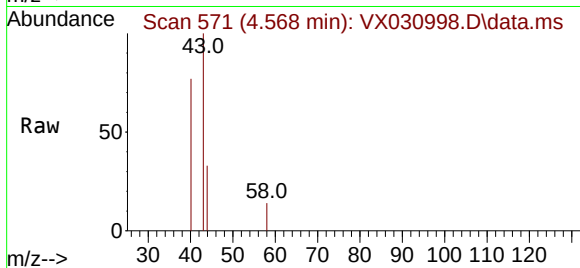
MW-25

Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 3.564 ug/l

RT: 5.471 min Scan# 719

Delta R.T. -0.006 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

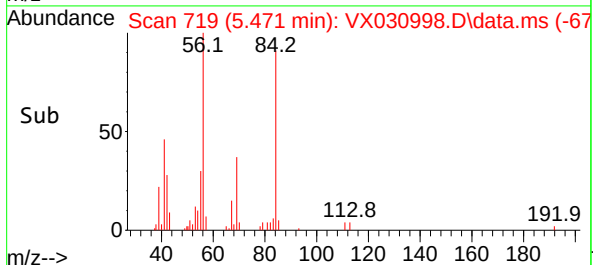
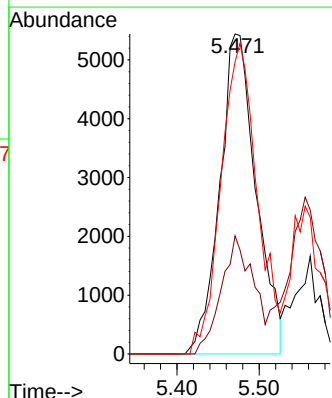
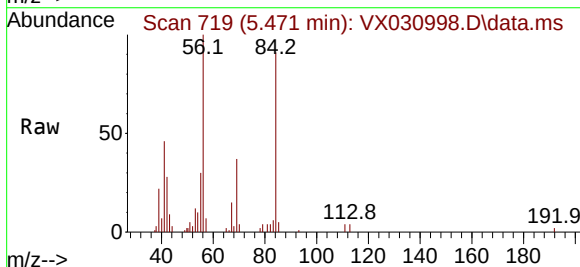
Tgt Ion: 56 Resp: 16689

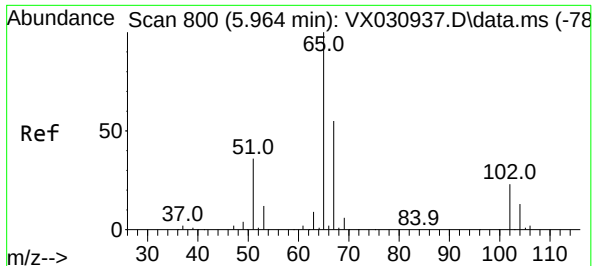
Ion Ratio Lower Upper

56 100

69 36.9 25.4 38.0

84 91.3 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 44.194 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

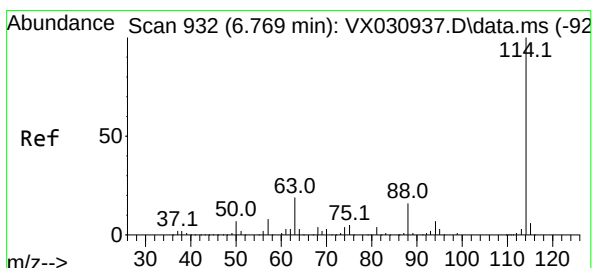
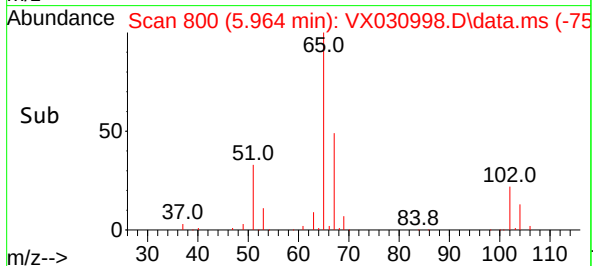
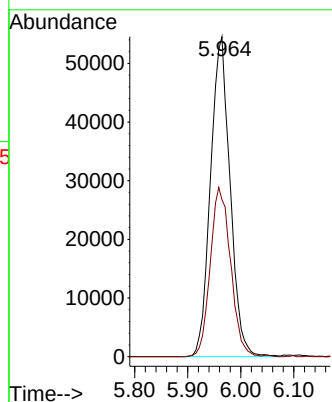
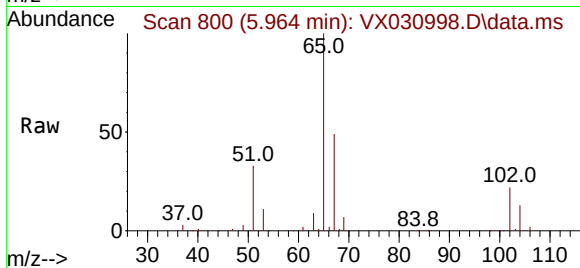
MW-25

Tgt Ion: 65 Resp: 139809

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

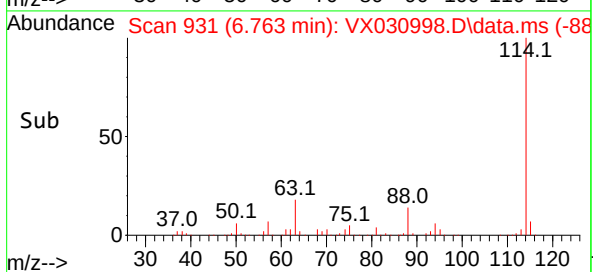
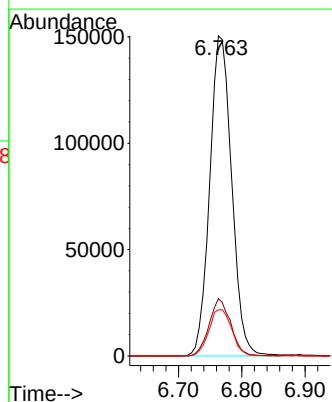
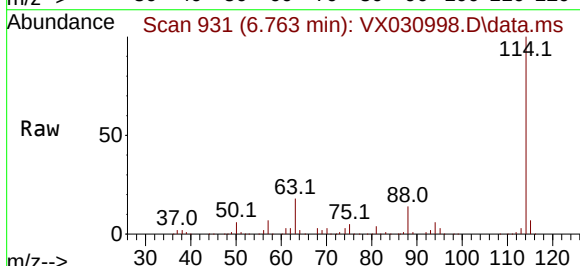
Tgt Ion: 114 Resp: 362811

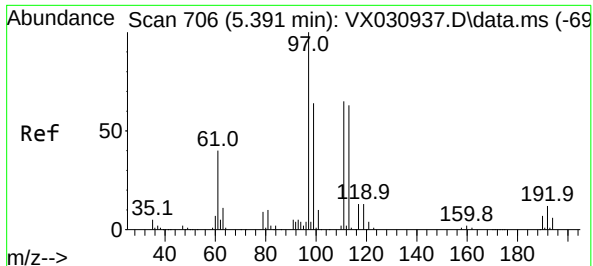
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.735 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

MW-25

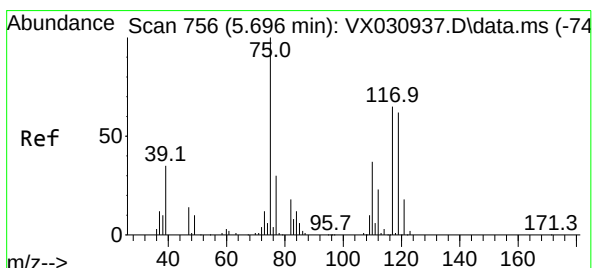
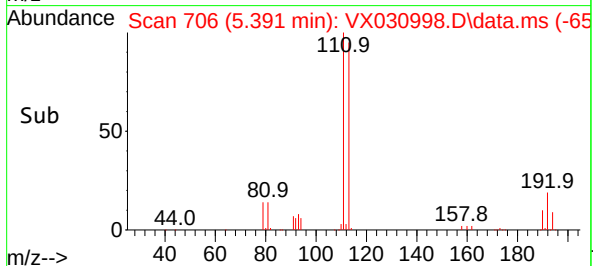
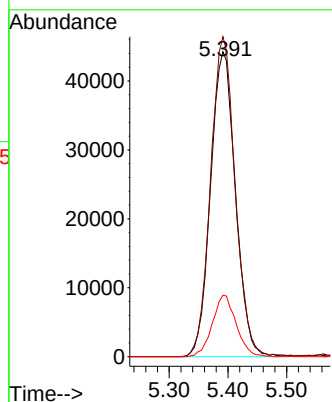
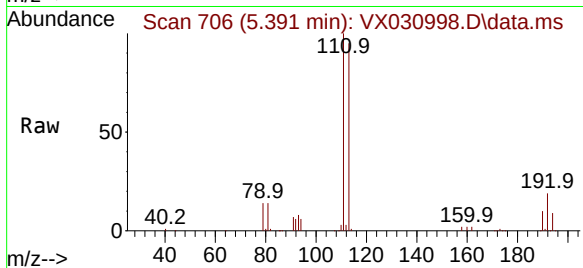
Tgt Ion:113 Resp: 130339

Ion Ratio Lower Upper

113 100

111 103.5 83.2 124.8

192 19.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.962 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

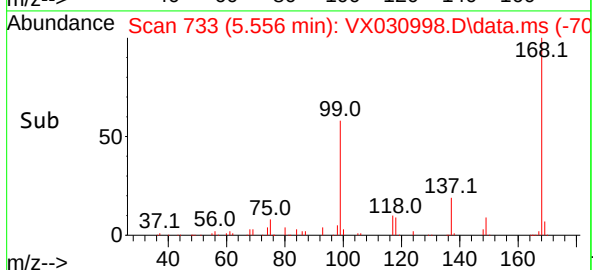
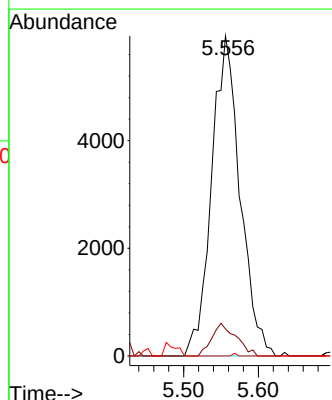
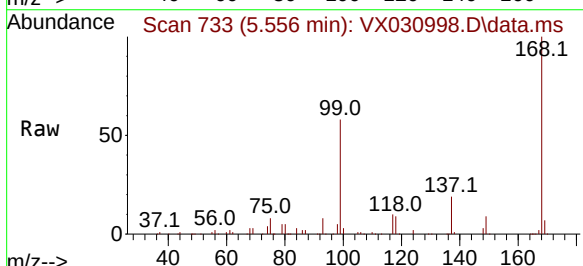
Tgt Ion: 75 Resp: 15750

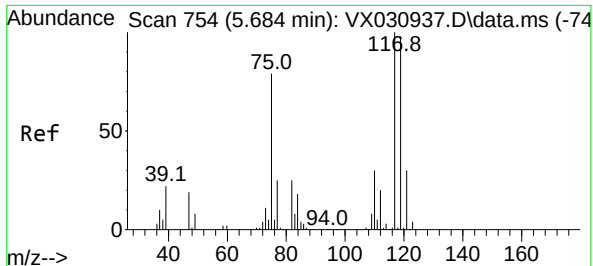
Ion Ratio Lower Upper

75 100

110 8.7 19.3 57.9#

77 0.1 24.4 36.6#

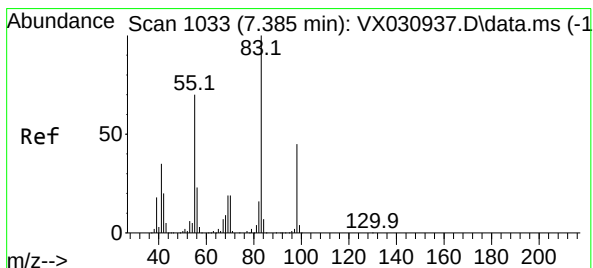
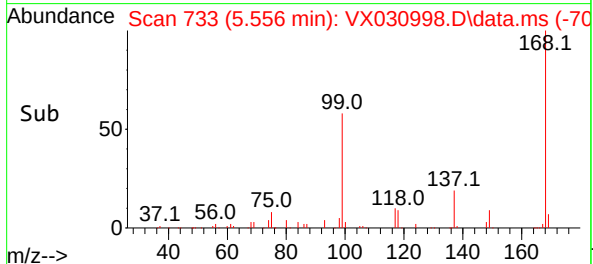
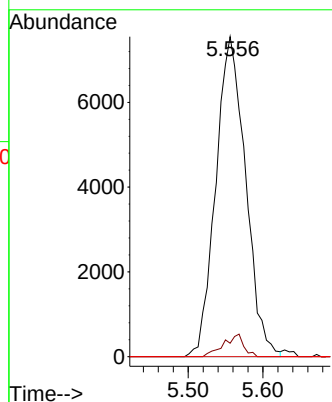
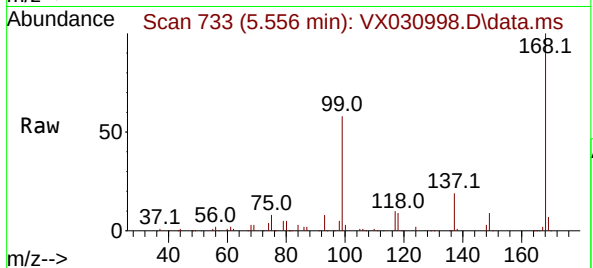




#38
Carbon Tetrachloride
Concen: 5.537 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

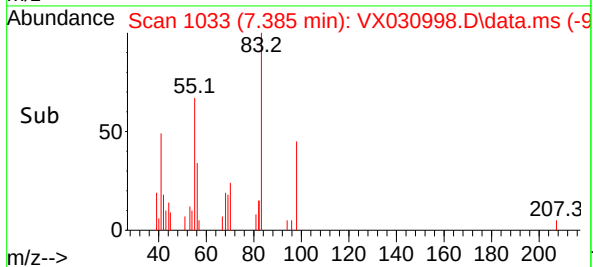
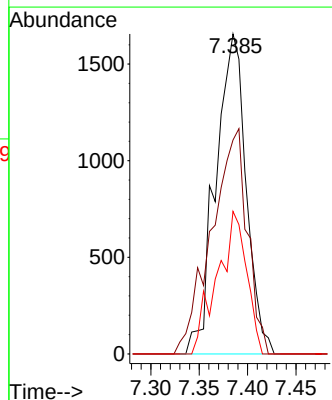
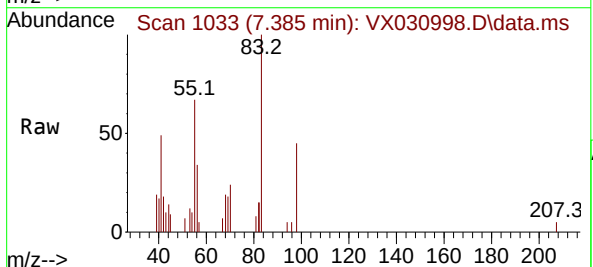
Instrument :
MSVOA_X
ClientSampleId :
MW-25

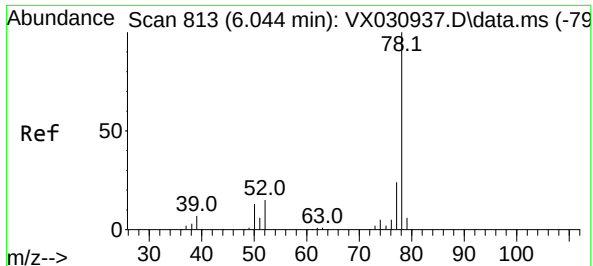
Tgt Ion:117 Resp: 20955
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.745 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 83 Resp: 3624
Ion Ratio Lower Upper
83 100
55 66.8 57.7 86.5
98 44.6 36.5 54.7

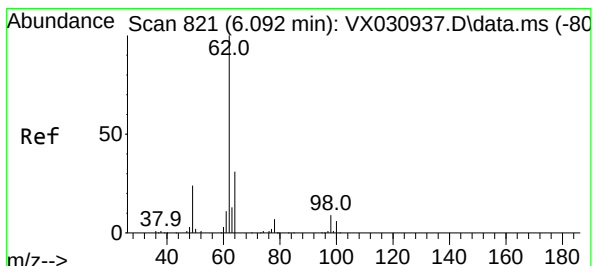
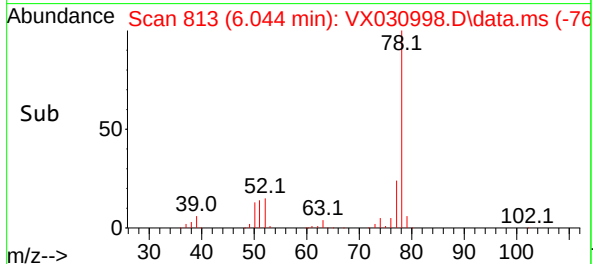
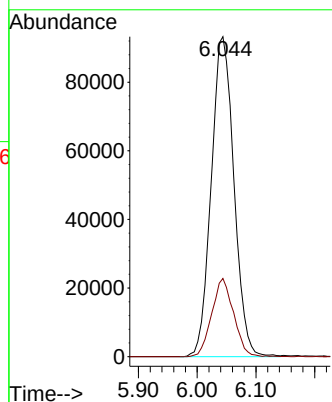
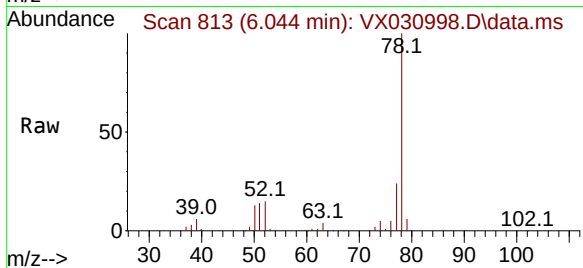




#40
Benzene
Concen: 21.871 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

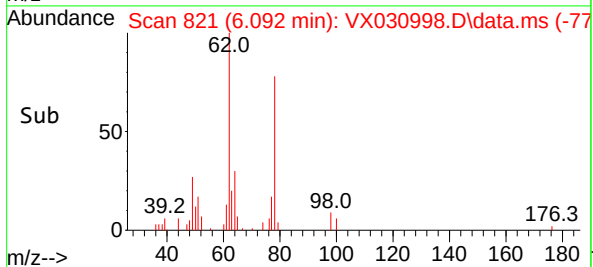
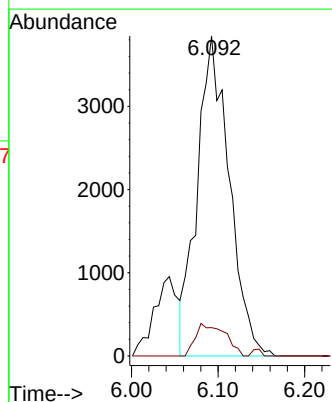
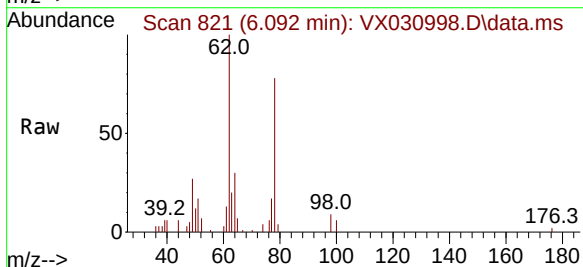
Instrument :
MSVOA_X
ClientSampleId :
MW-25

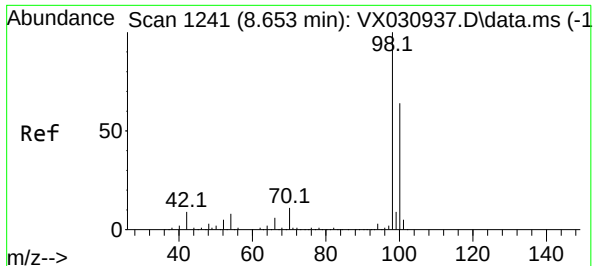
Tgt Ion: 78 Resp: 250569
Ion Ratio Lower Upper
78 100
77 24.4 18.0 27.0



#42
1,2-Dichloroethane
Concen: 2.592 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 62 Resp: 9865
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.2

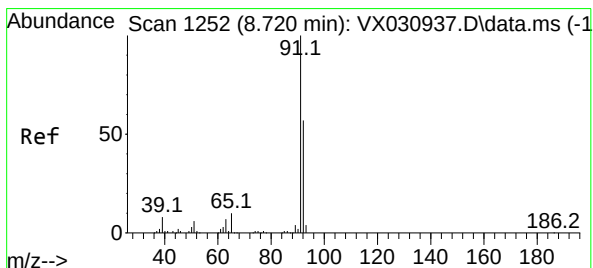
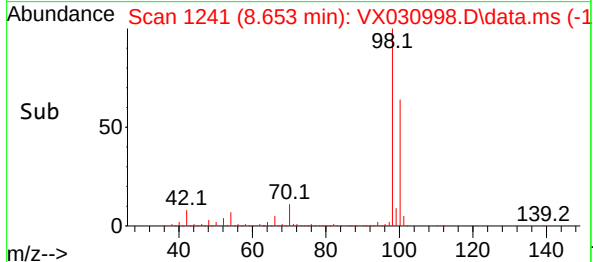
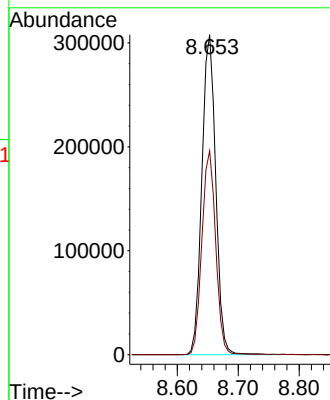
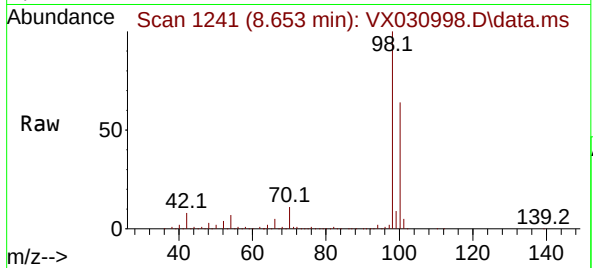




#50
Toluene-d8
Concen: 49.068 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

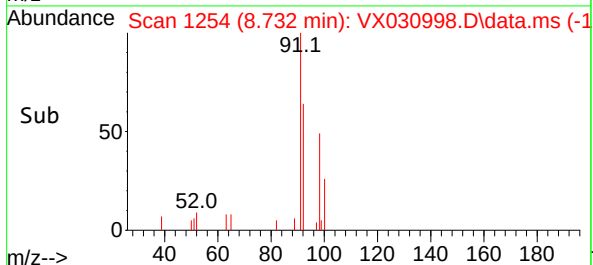
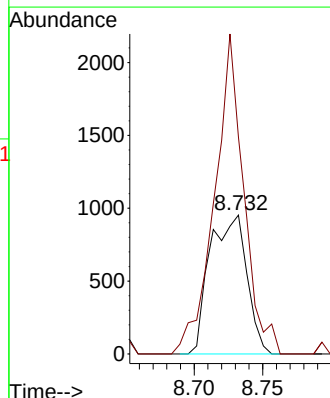
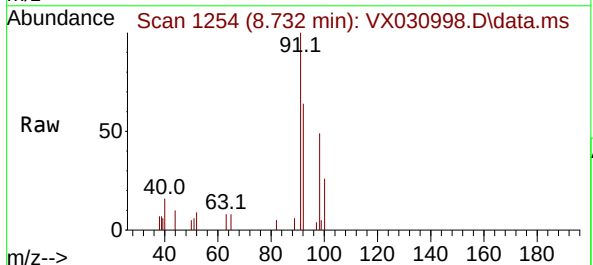
Instrument :
MSVOA_X
ClientSampleId :
MW-25

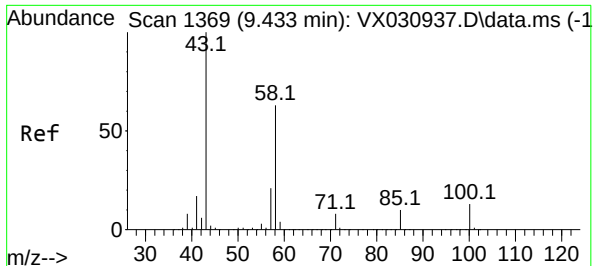
Tgt Ion: 98 Resp: 485988
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#52
Toluene
Concen: 0.256 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. 0.012 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 92 Resp: 1789
Ion Ratio Lower Upper
92 100
91 181.6 139.2 208.8





#59

2-Hexanone

Concen: 0.317 ug/l

RT: 9.452 min Scan# 11

Delta R.T. 0.019 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

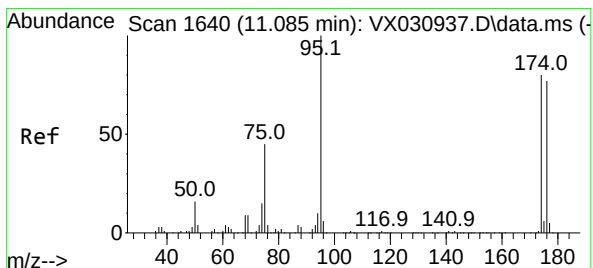
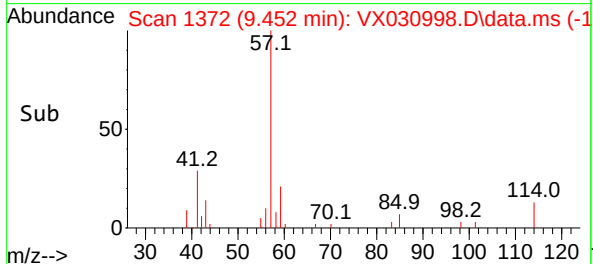
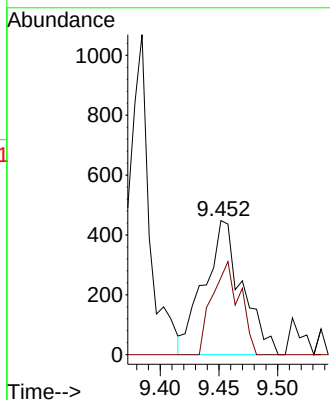
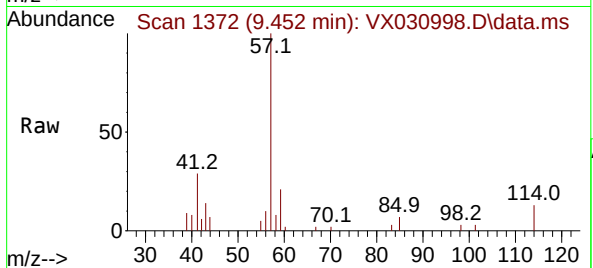
MW-25

Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

58 50.4 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 46.557 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030998.D

Acq: 01 Sep 2022 00:09

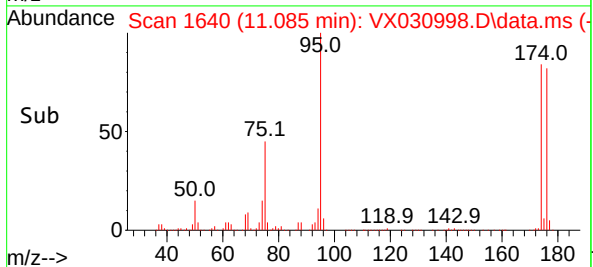
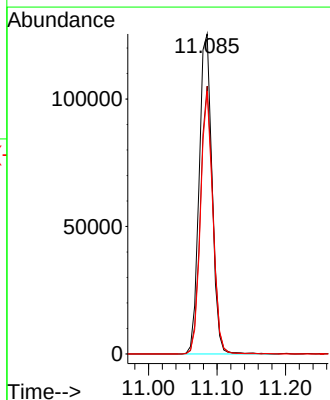
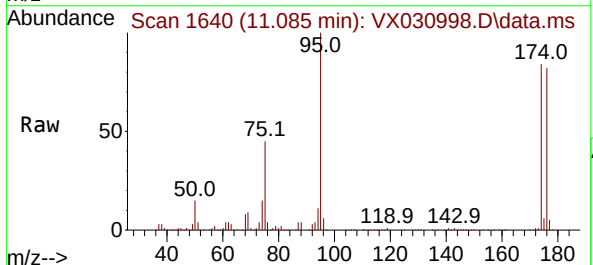
Tgt Ion: 95 Resp: 164209

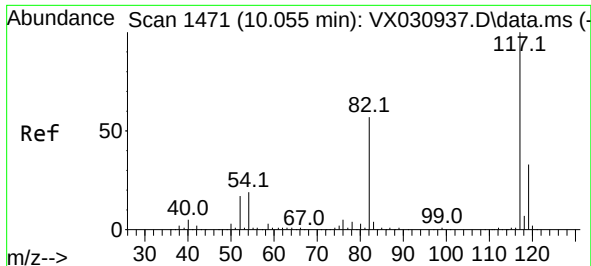
Ion Ratio Lower Upper

95 100

174 81.5 0.0 149.0

176 78.3 0.0 146.0

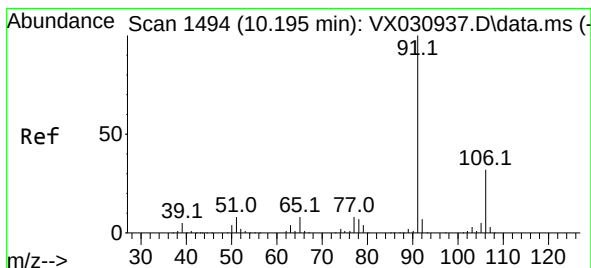
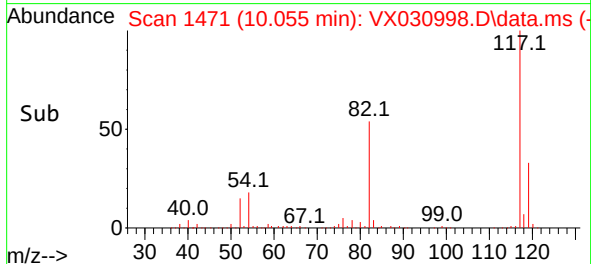
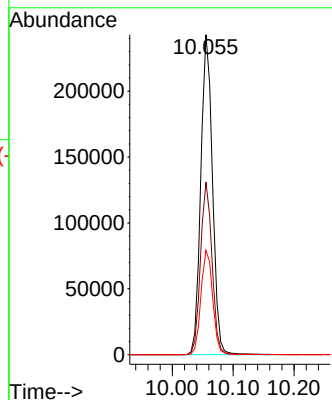
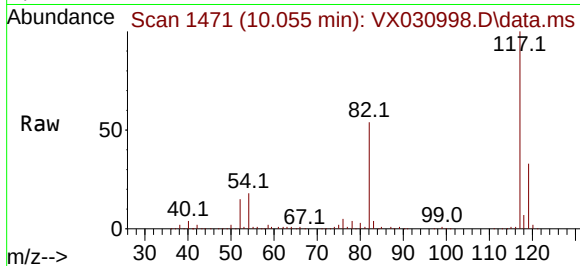




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

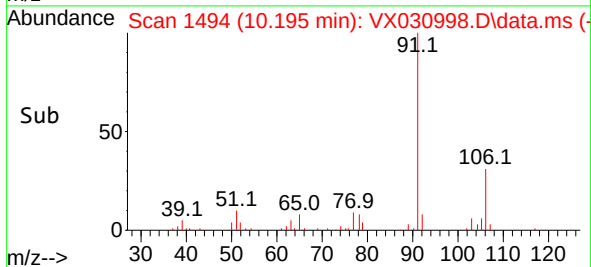
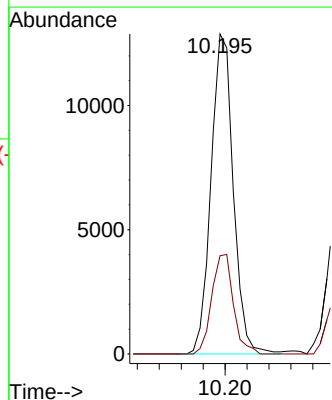
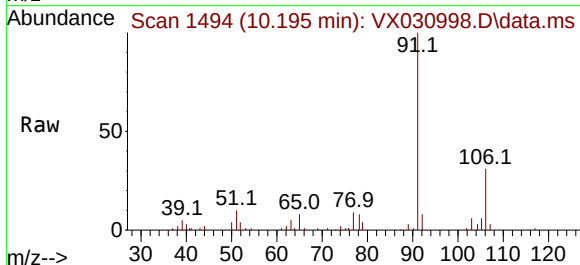
Instrument :
MSVOA_X
ClientSampleId :
MW-25

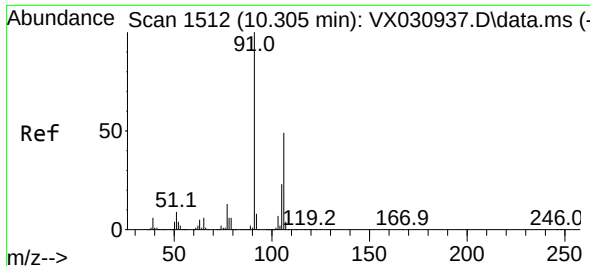
Tgt Ion:117 Resp: 322864
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 32.6 25.4 38.2



#67
Ethyl Benzene
Concen: 1.342 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 91 Resp: 18171
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

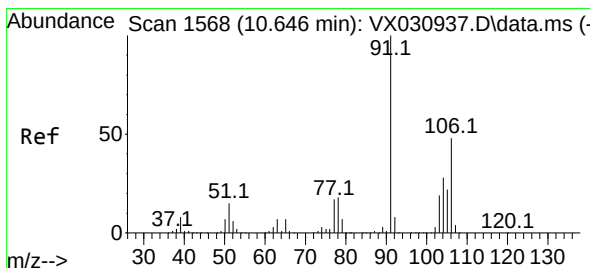
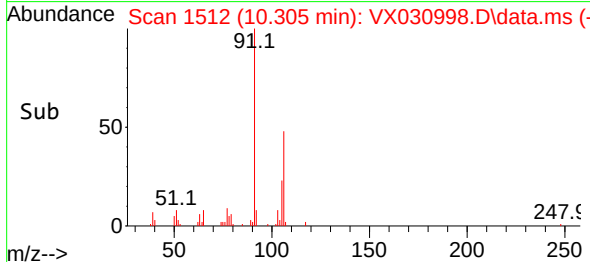
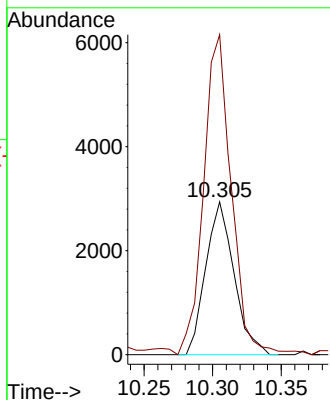
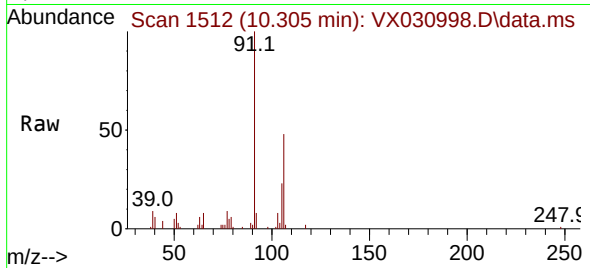




#68
m/p-Xylenes
Concen: 0.823 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

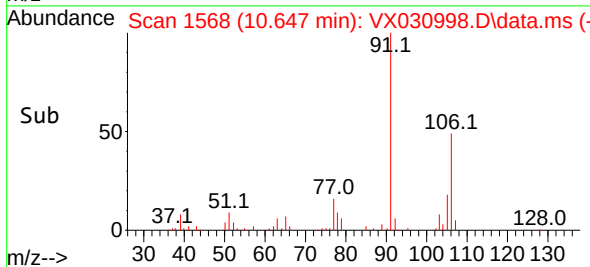
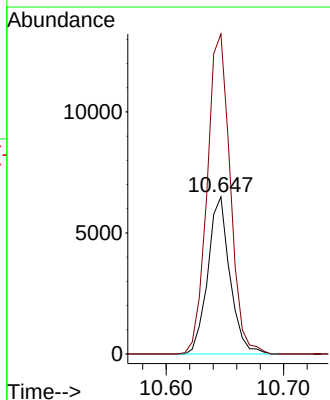
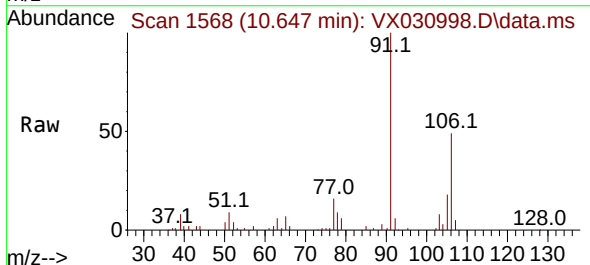
Instrument :
MSVOA_X
ClientSampleId :
MW-25

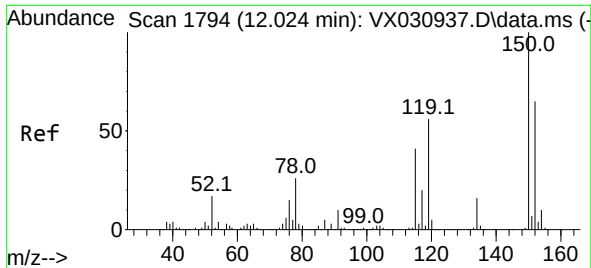
Tgt Ion:106 Resp: 4223
Ion Ratio Lower Upper
106 100
91 205.0 158.2 237.4



#69
o-Xylene
Concen: 1.687 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion:106 Resp: 8469
Ion Ratio Lower Upper
106 100
91 212.9 103.8 311.6

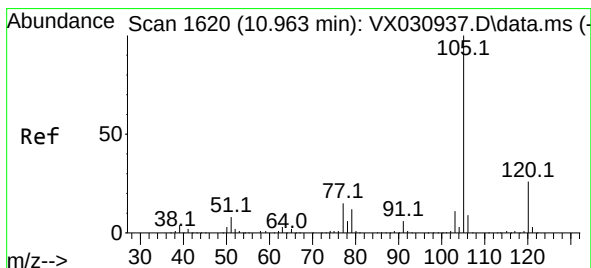
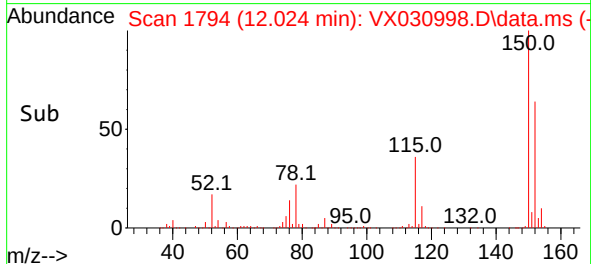
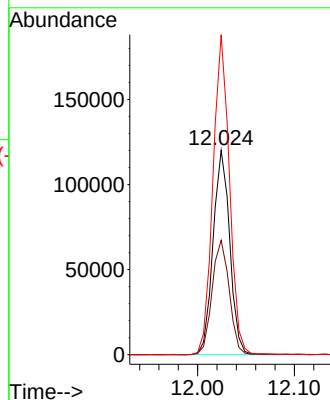
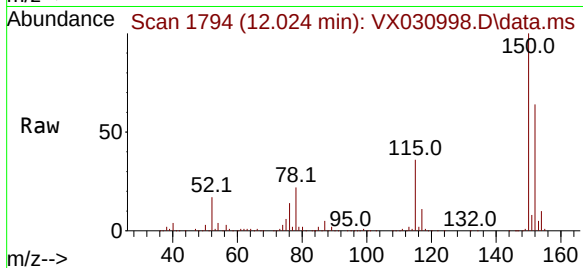




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

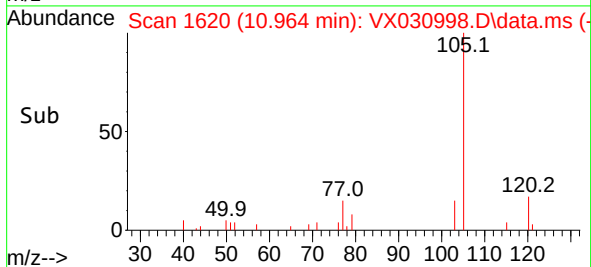
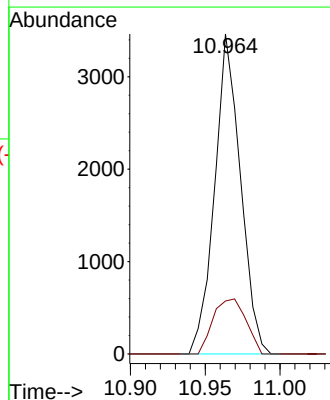
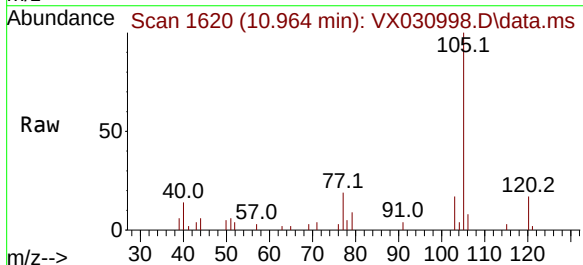
Instrument :
MSVOA_X
ClientSampleId :
MW-25

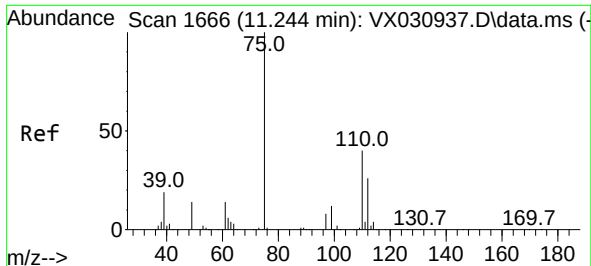
Tgt Ion:152 Resp: 143830
Ion Ratio Lower Upper
152 100
115 57.8 40.5 121.5
150 154.9 0.0 347.0



#73
Isopropylbenzene
Concen: 0.366 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion:105 Resp: 4161
Ion Ratio Lower Upper
105 100
120 21.8 13.5 40.4

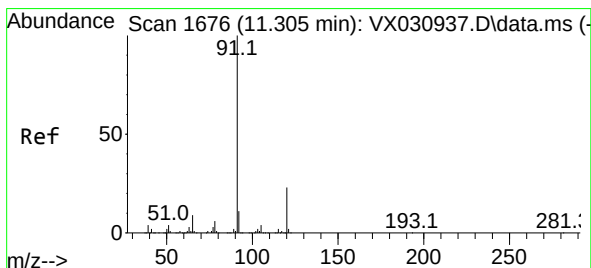
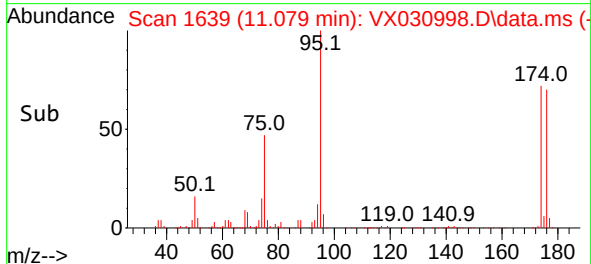
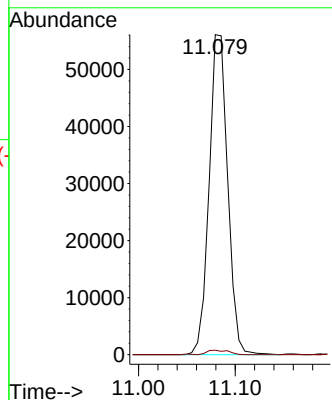
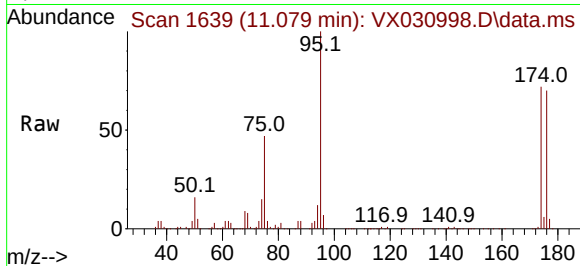




#76
1,2,3-Trichloropropane
Concen: 21.173 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

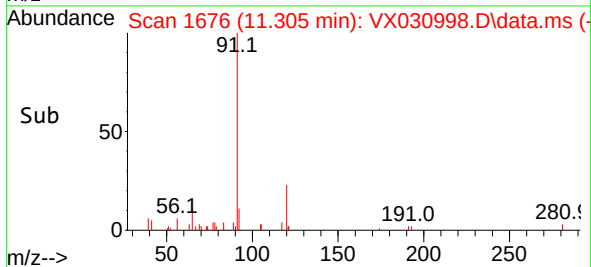
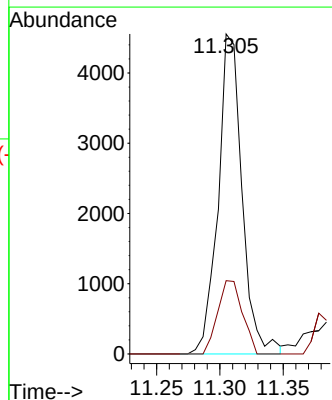
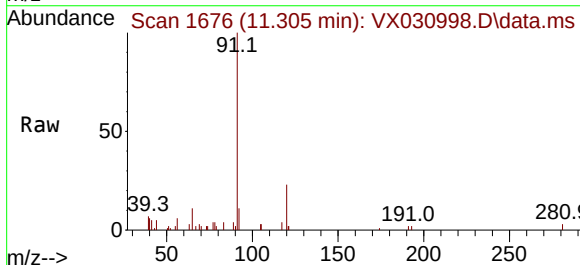
Instrument :
MSVOA_X
ClientSampleId :
MW-25

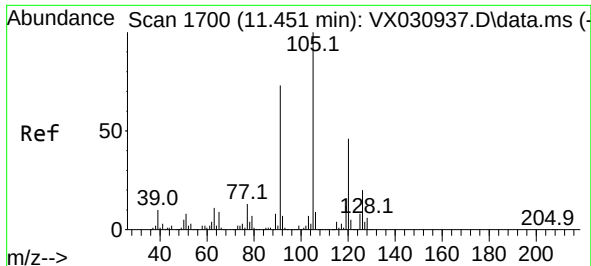
Tgt Ion: 75 Resp: 74973
Ion Ratio Lower Upper
75 100
77 1.7 19.8 59.3#



#78
n-propylbenzene
Concen: 0.449 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 91 Resp: 5984
Ion Ratio Lower Upper
91 100
120 23.6 11.6 34.8

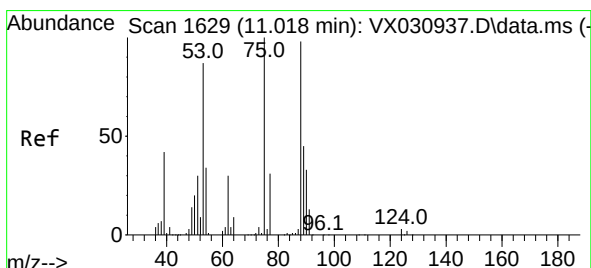
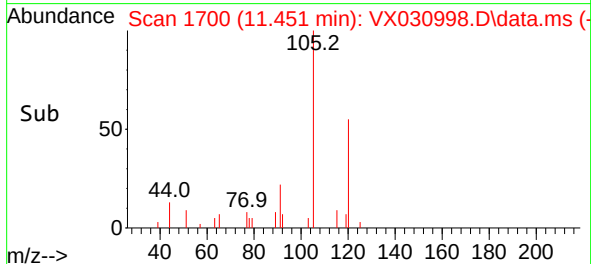
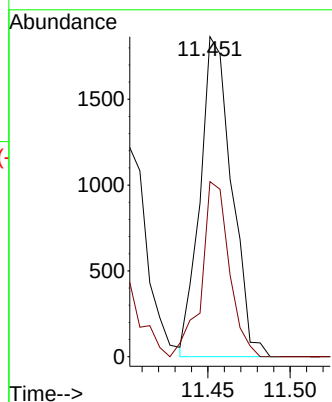
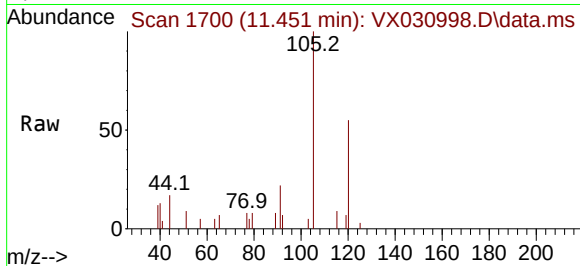




#80
1,3,5-Trimethylbenzene
Concen: 0.260 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

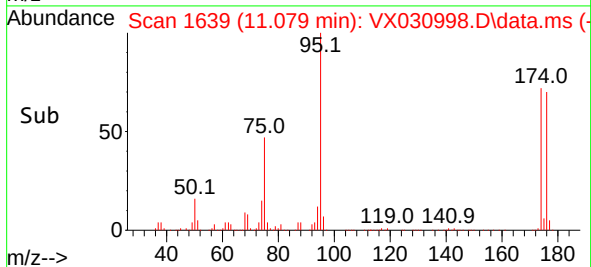
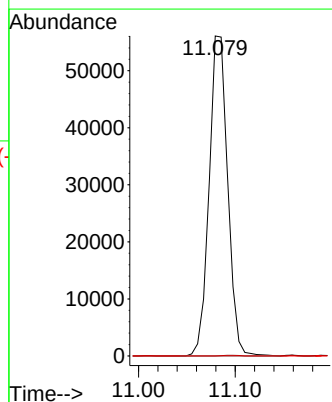
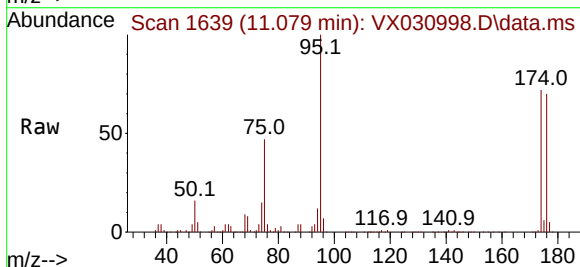
Instrument :
MSVOA_X
ClientSampleId :
MW-25

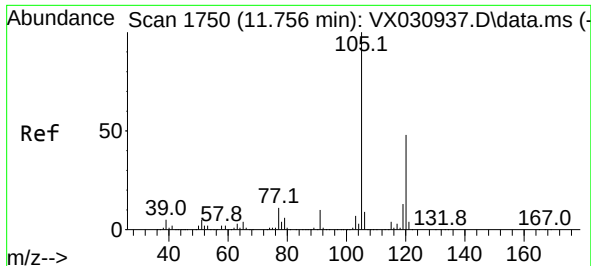
Tgt Ion:105 Resp: 2496
Ion Ratio Lower Upper
105 100
120 47.6 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 62.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Tgt Ion: 75 Resp: 74973
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.8 52.2#

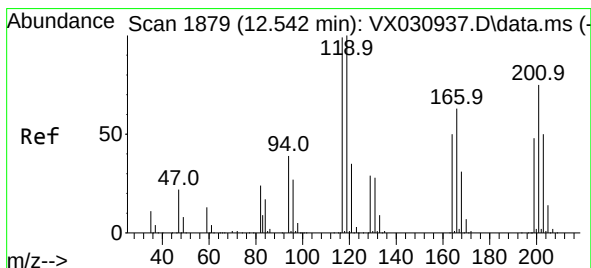
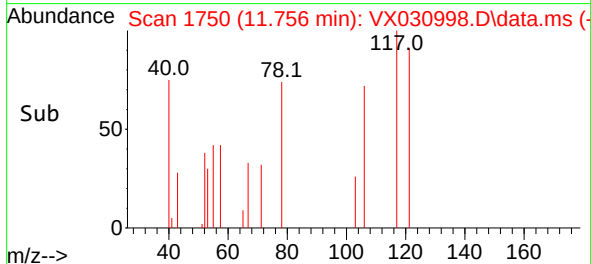
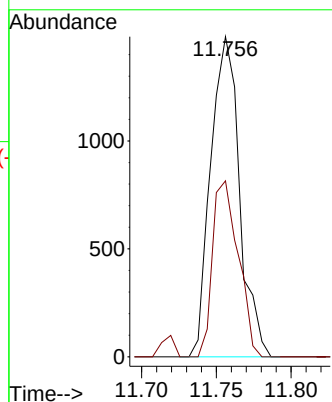
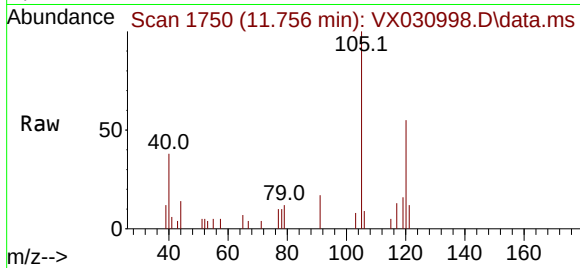




#84
 1,2,4-Trimethylbenzene
 Concen: 0.203 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030998.D
 Acq: 01 Sep 2022 00:09

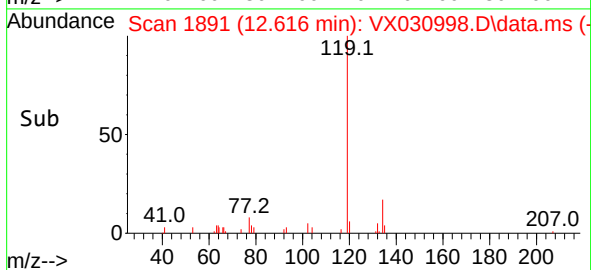
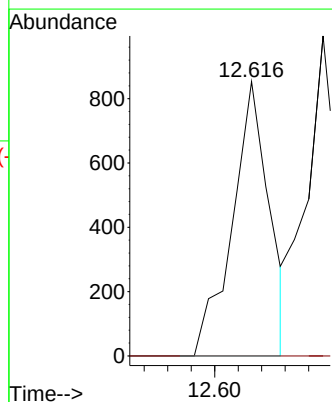
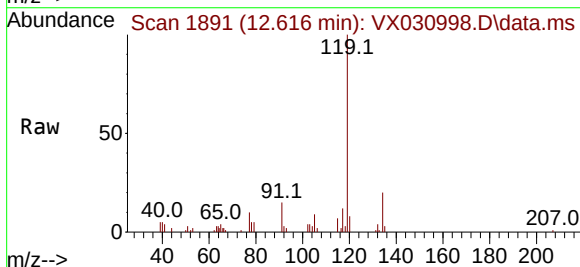
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-25

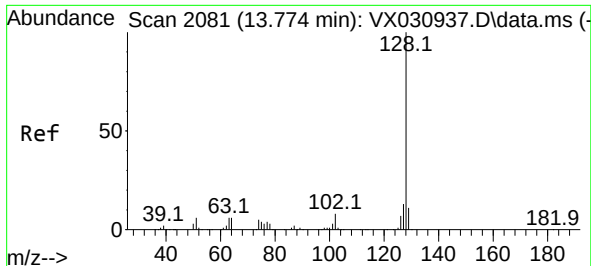
Tgt Ion:105 Resp: 1993
 Ion Ratio Lower Upper
 105 100
 120 49.0 22.9 68.8



#90
 Hexachloroethane
 Concen: 0.525 ug/l
 RT: 12.616 min Scan# 1891
 Delta R.T. 0.074 min
 Lab File: VX030998.D
 Acq: 01 Sep 2022 00:09

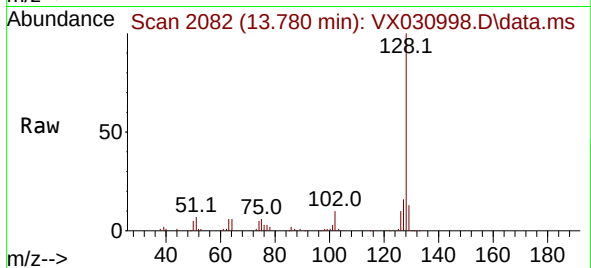
Tgt Ion:117 Resp: 934
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.2 102.5#





#95
Naphthalene
Concen: 2.520 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX030998.D
Acq: 01 Sep 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :
MW-25



Tgt Ion:128 Resp: 31773
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 12.4 8.6 13.0

