

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030978.D
 Acq On : 31 Aug 2022 15:10
 Operator : JC/MD
 Sample : N4381-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-42

Quant Time: Sep 06 02:17:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

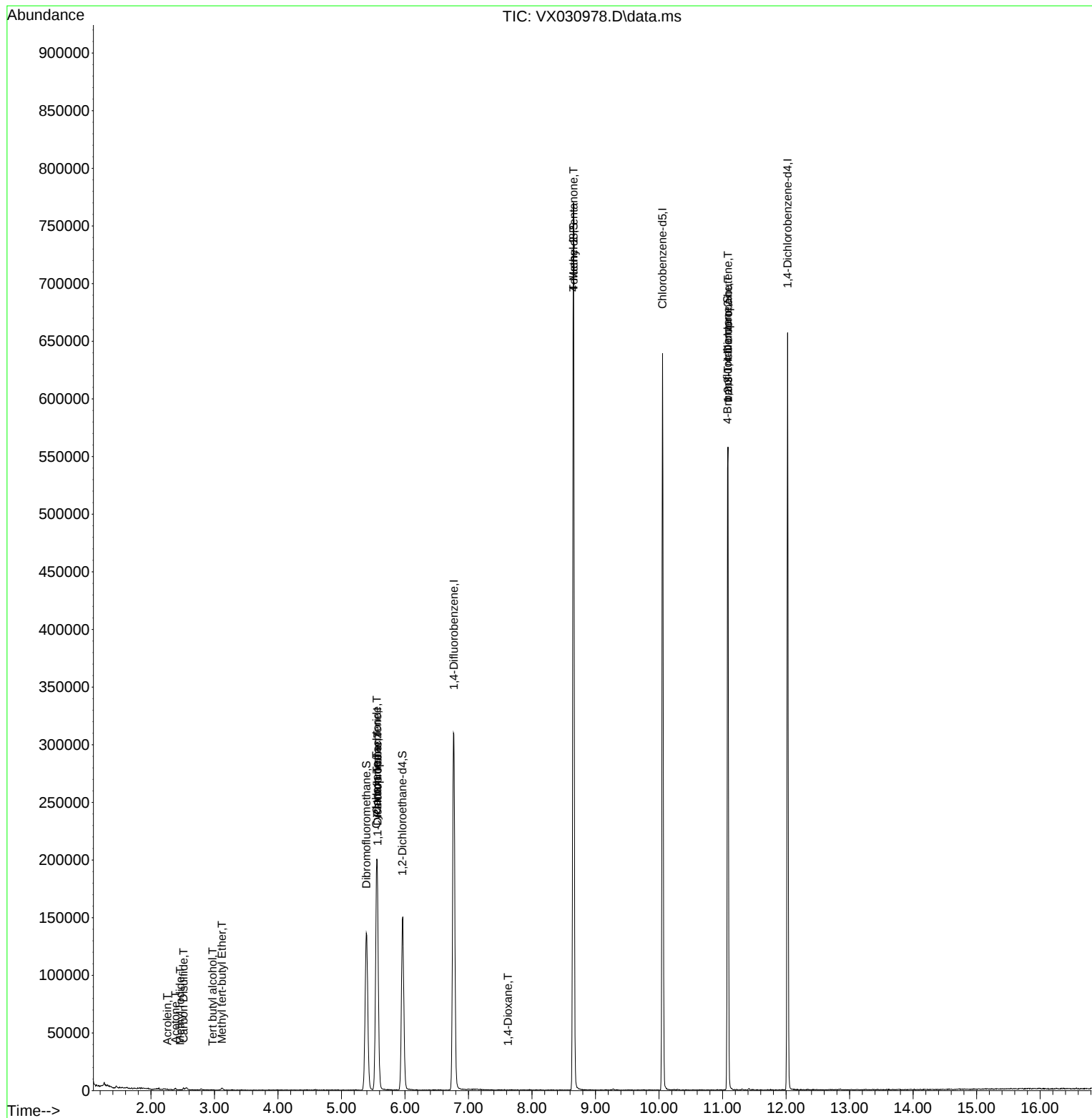
Internal Standards						
1) Pentafluorobenzene	5.562	168	197946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	343020	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	302004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	141680	49.903	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.800%
35) Dibromofluoromethane	5.391	113	125513	49.638	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.280%
50) Toluene-d8	8.653	98	473403	50.555	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.100%
62) 4-Bromofluorobenzene	11.079	95	159697	47.890	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.780%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	253	Below Cal	#	26
10) Methyl Iodide	2.459	142	133	4.430	ug/l #	45
11) Tert butyl alcohol	2.971	59	386	0.574	ug/l #	74
13) Acrolein	2.258	56	86	7.518	ug/l #	55
16) Acetone	2.386	43	1215	0.948	ug/l	91
17) Carbon Disulfide	2.514	76	2004	0.316	ug/l #	92
19) Methyl tert-butyl Ether	3.117	73	1571	0.200	ug/l #	88
31) Cyclohexane	5.550	56	3396	0.808	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	15012	3.994	ug/l #	48
38) Carbon Tetrachloride	5.556	117	19952	5.576	ug/l #	17
49) 1,4-Dioxane	7.623	88	29	0.360	ug/l #	1
51) 4-Methyl-2-Pentanone	8.653	43	1734	0.429	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	72146	21.346	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72146	63.465	ug/l #	13

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

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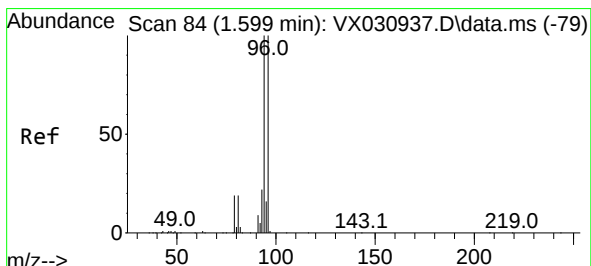
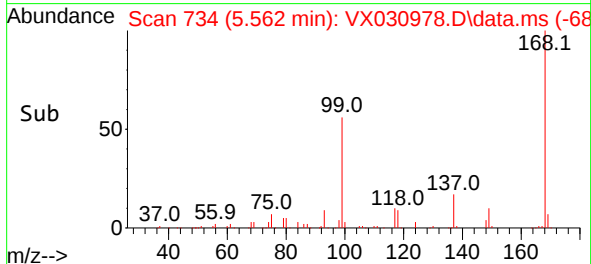
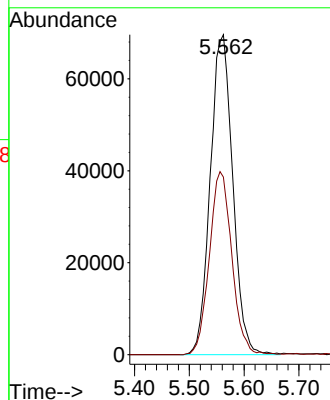
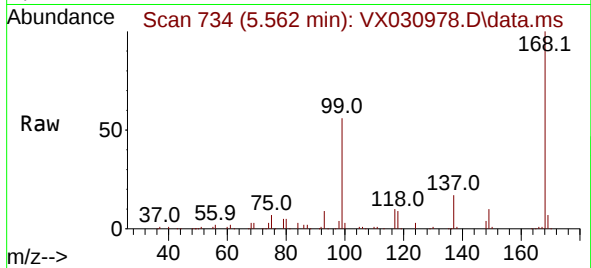




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

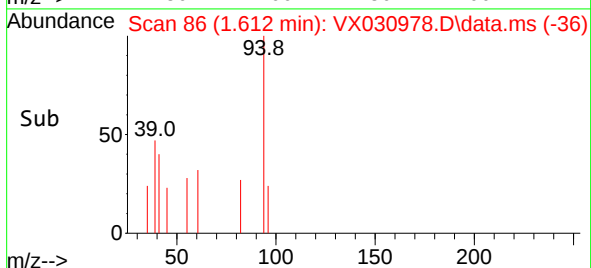
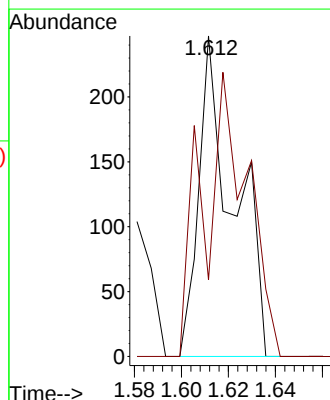
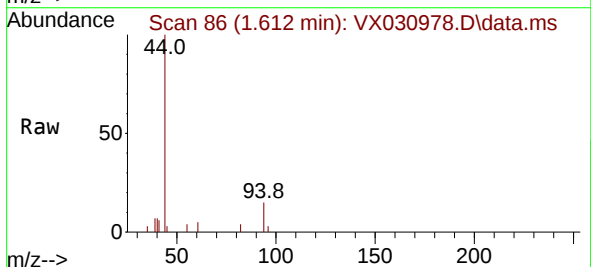
Instrument :
MSVOA_X
ClientSampleId :
MW-42

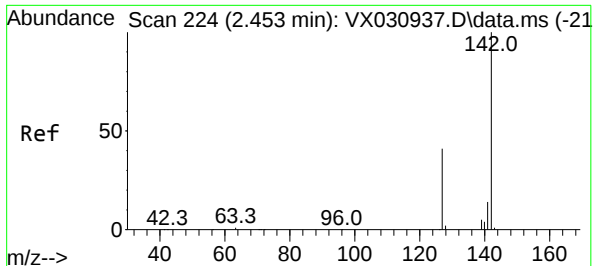
Tgt Ion:168 Resp: 197946
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.007 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion: 94 Resp: 253
Ion Ratio Lower Upper
94 100
96 23.9 76.9 115.3#

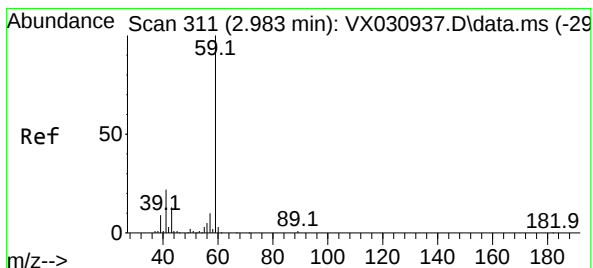
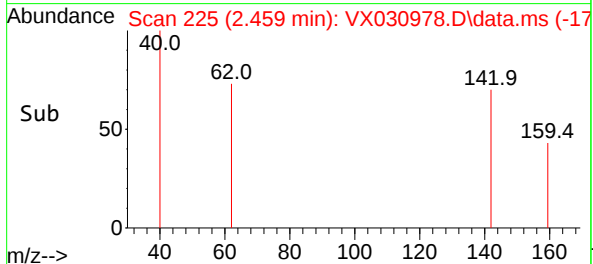
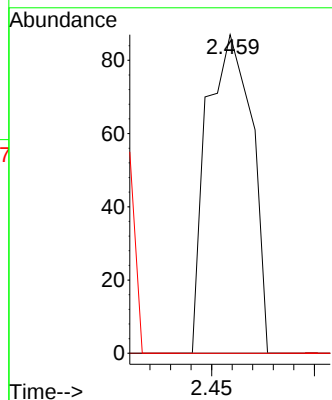
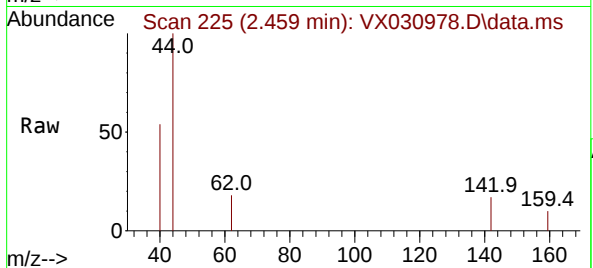




#10
Methyl Iodide
Concen: 4.430 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

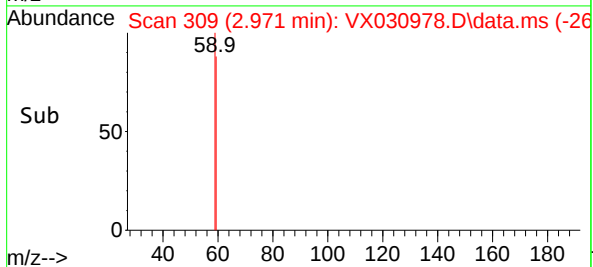
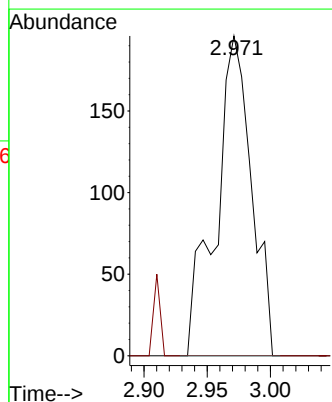
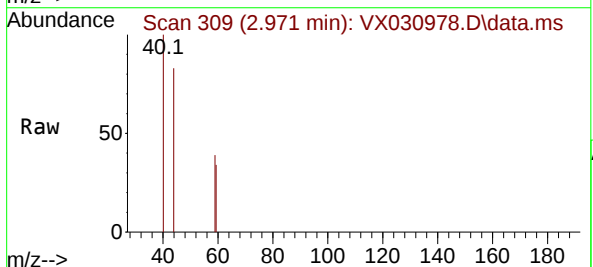
Instrument :
MSVOA_X
ClientSampleId :
MW-42

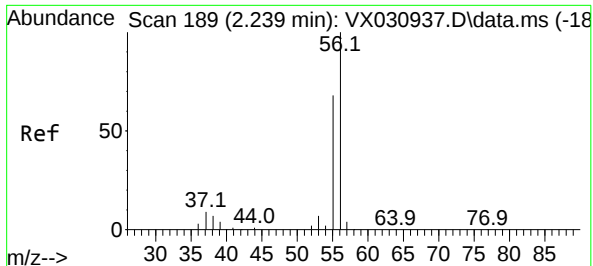
Tgt Ion:142 Resp: 133
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.574 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion: 59 Resp: 386
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

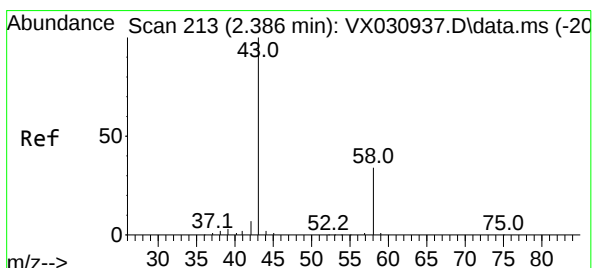
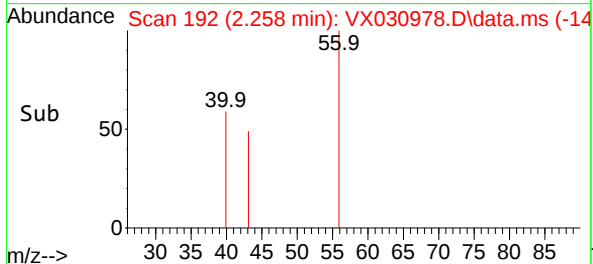
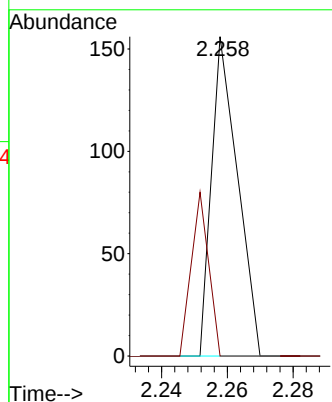
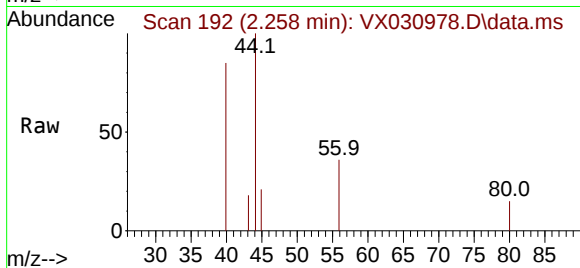




#13
Acrolein
Concen: 7.518 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.019 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

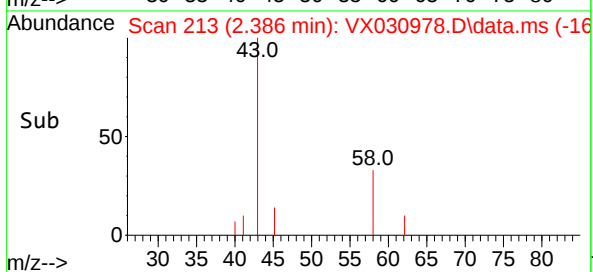
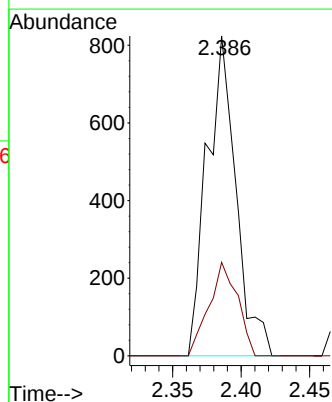
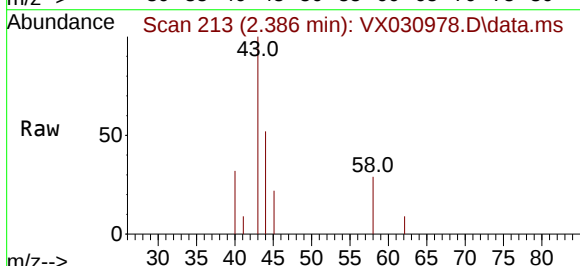
Instrument :
MSVOA_X
ClientSampleId :
MW-42

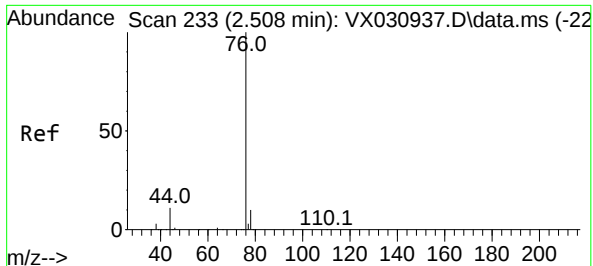
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 33.7 56.6 84.8#



#16
Acetone
Concen: 0.948 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion: 43 Resp: 1215
Ion Ratio Lower Upper
43 100
58 29.2 27.7 41.5





#17

Carbon Disulfide

Concen: 0.316 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX030978.D

Acq: 31 Aug 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

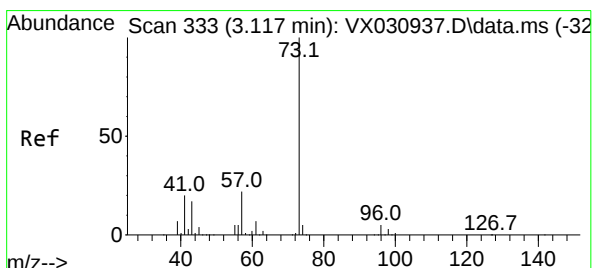
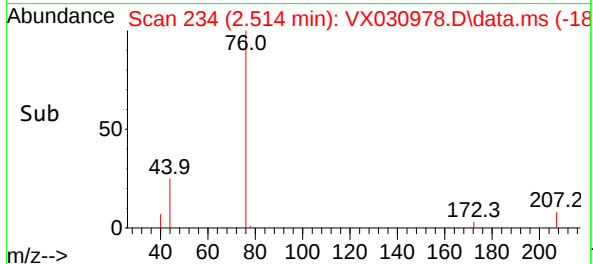
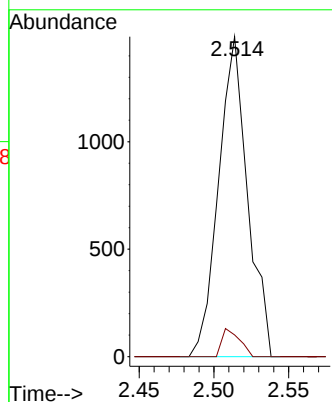
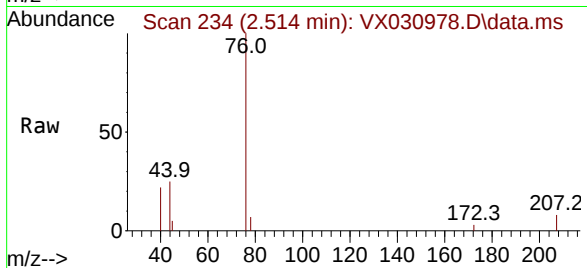
MW-42

Tgt Ion: 76 Resp: 2004

Ion Ratio Lower Upper

76 100

78 6.8 7.8 11.6#



#19

Methyl tert-butyl Ether

Concen: 0.200 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX030978.D

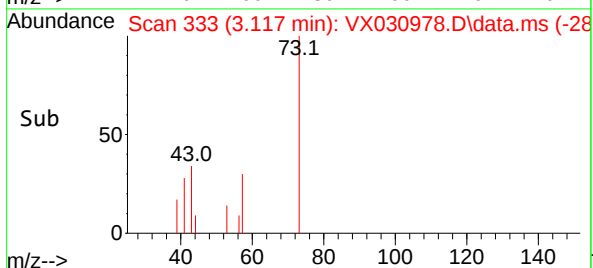
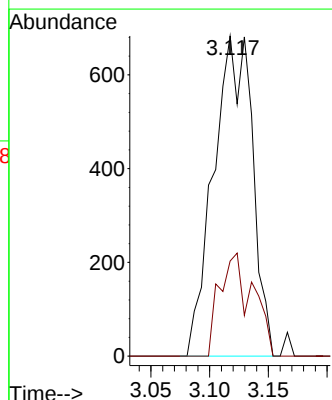
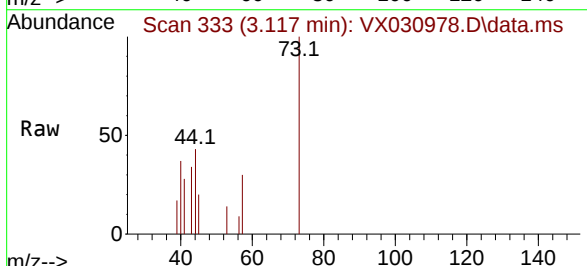
Acq: 31 Aug 2022 15:10

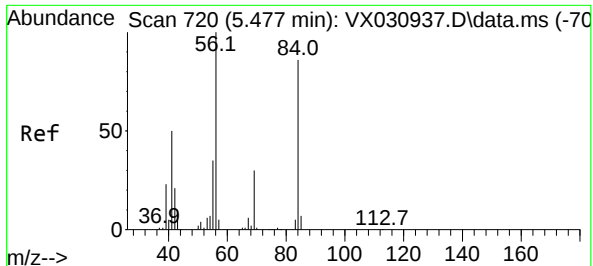
Tgt Ion: 73 Resp: 1571

Ion Ratio Lower Upper

73 100

57 29.7 19.0 28.6#

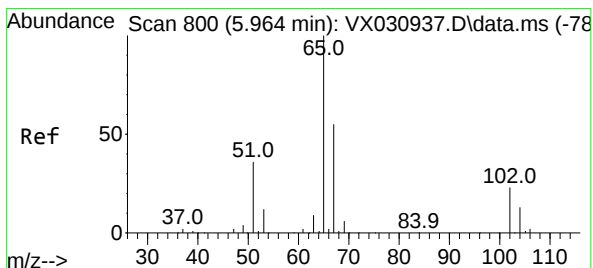
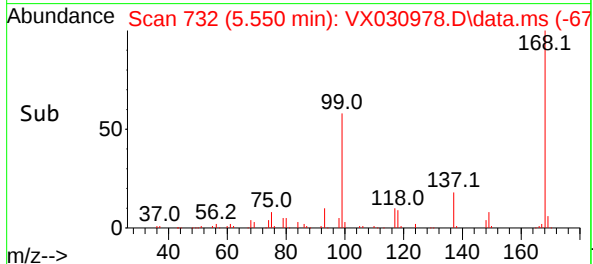
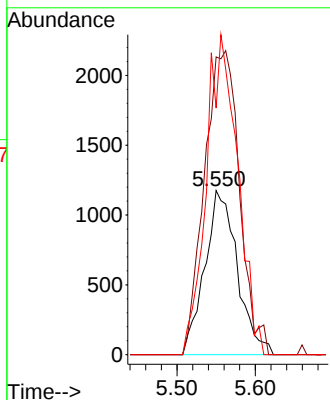
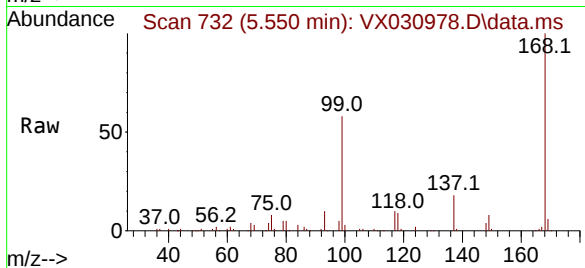




#31
Cyclohexane
Concen: 0.808 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

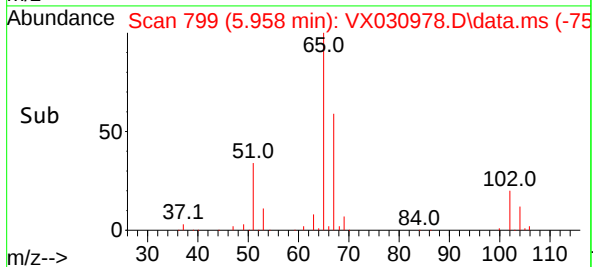
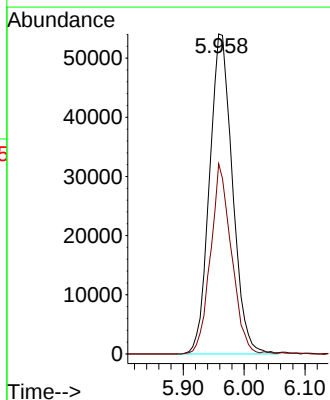
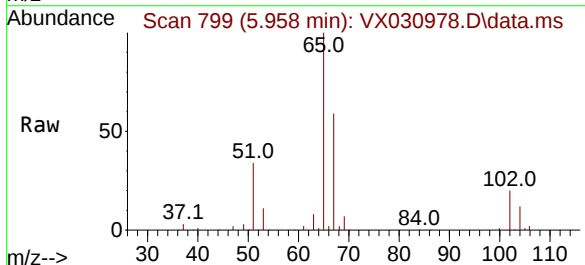
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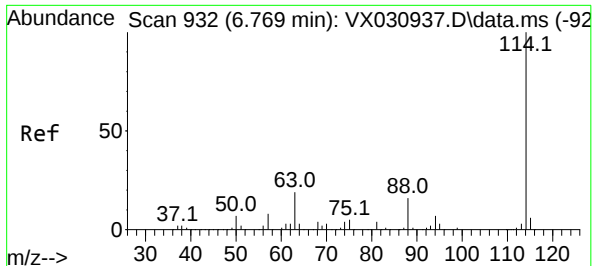
Tgt Ion: 56 Resp: 3396
Ion Ratio Lower Upper
56 100
69 181.4 25.4 38.0#
84 150.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.903 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion: 65 Resp: 141680
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.6

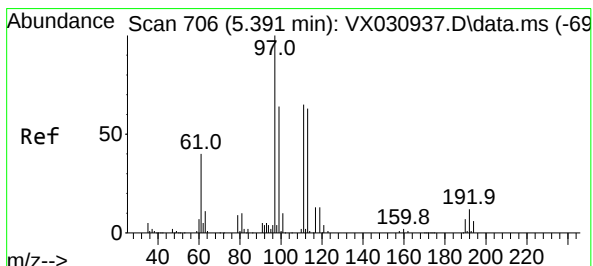
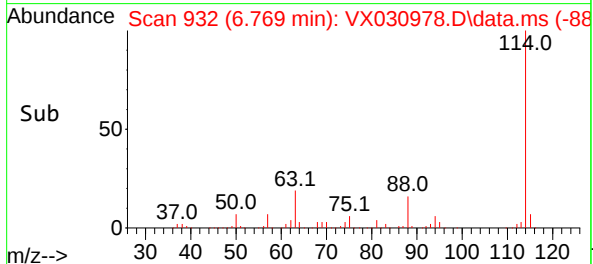
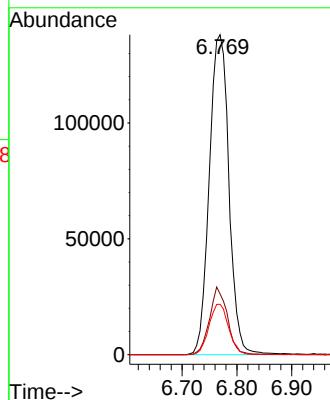
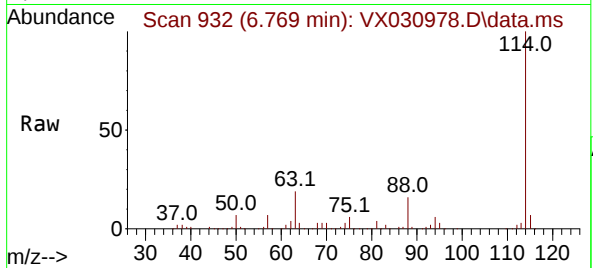




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

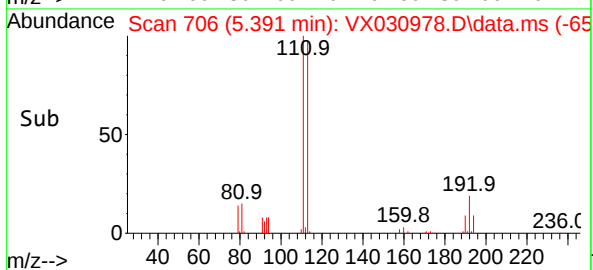
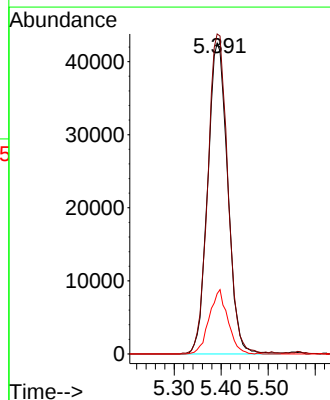
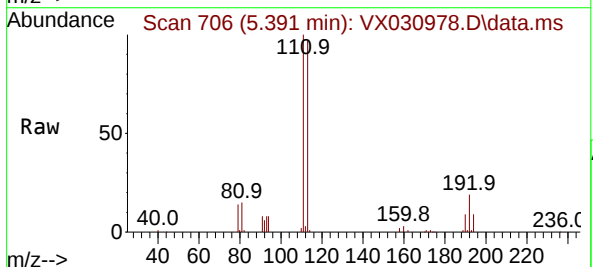
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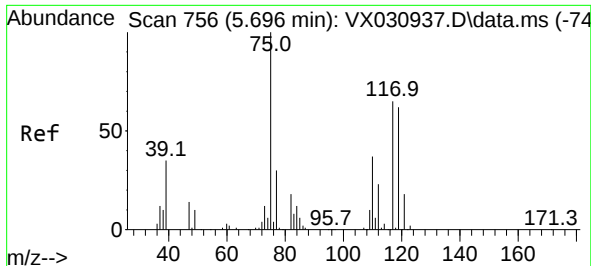
Tgt Ion:114 Resp: 343020
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.4
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.638 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion:113 Resp: 125513
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 19.4 14.8 22.2

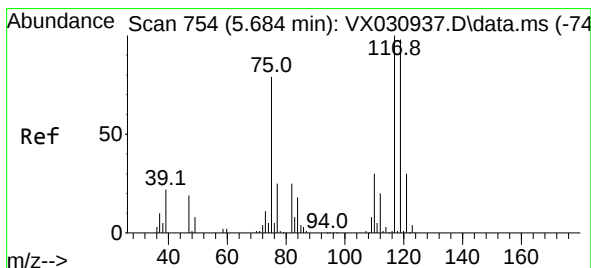
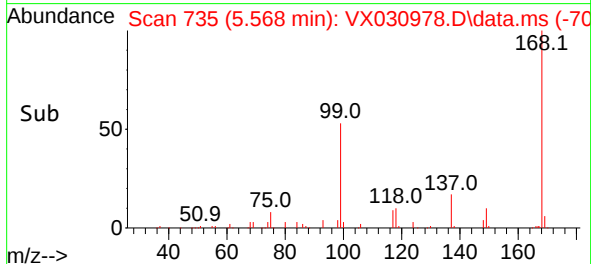
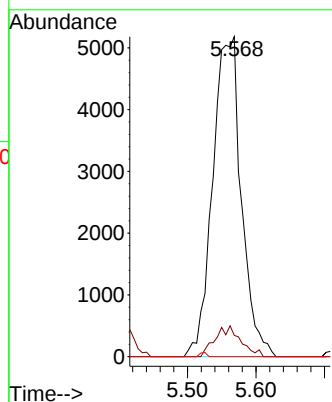
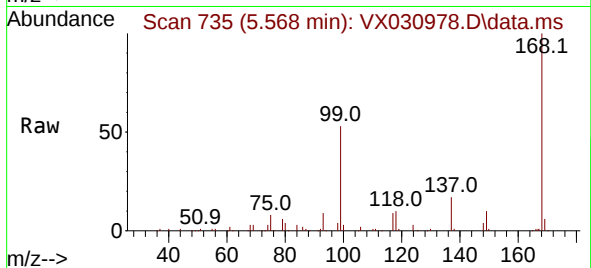




#36
1,1-Dichloropropene
Concen: 3.994 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

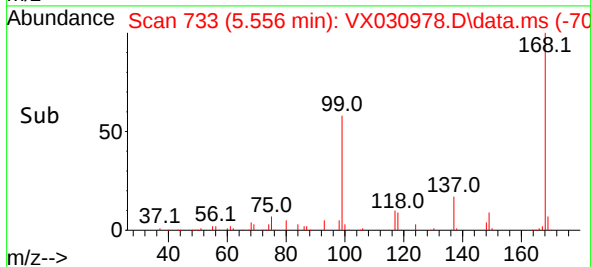
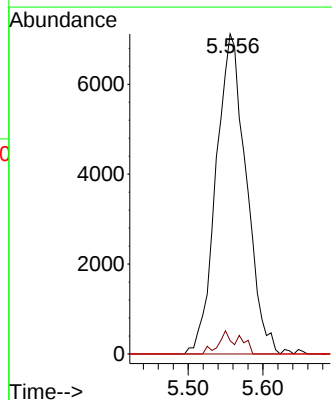
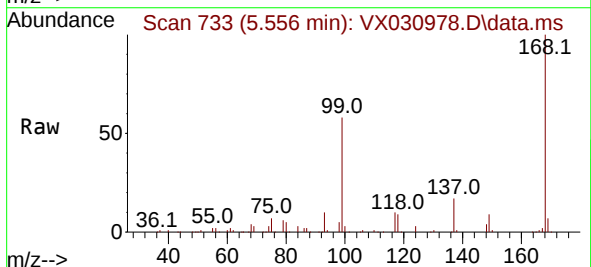
Instrument :
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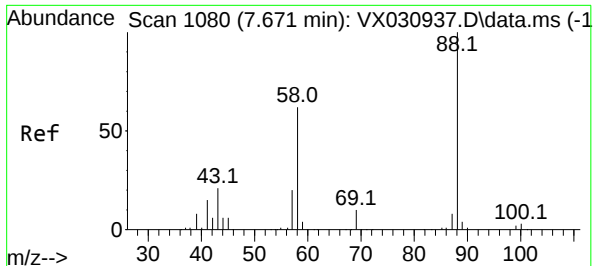
Tgt Ion: 75 Resp: 15012
Ion Ratio Lower Upper
75 100
110 8.6 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.576 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion: 117 Resp: 19952
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 0.360 ug/l

RT: 7.623 min Scan# 11

Delta R.T. -0.054 min

Lab File: VX030978.D

Acq: 31 Aug 2022 15:10

Instrument :

MSVOA_X

ClientSampleId :

MW-42

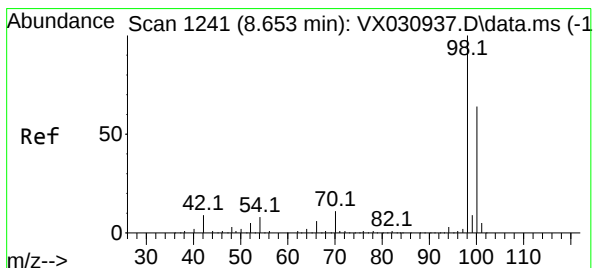
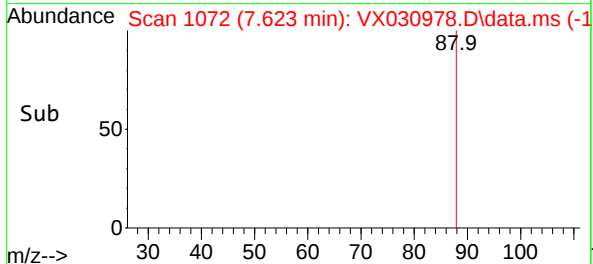
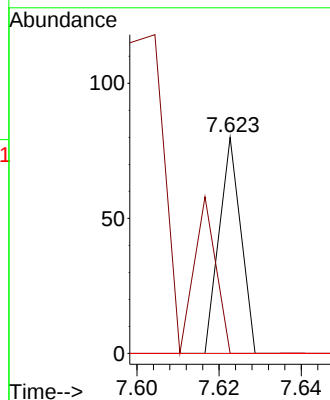
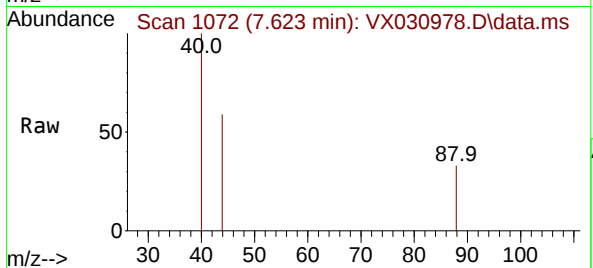
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 365.5 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 50.555 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030978.D

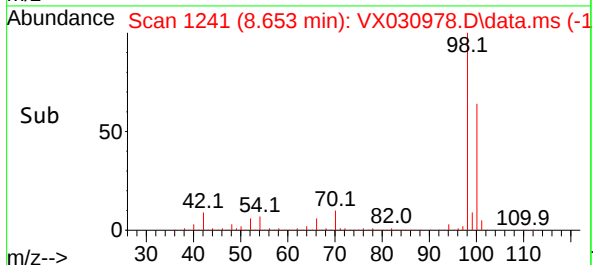
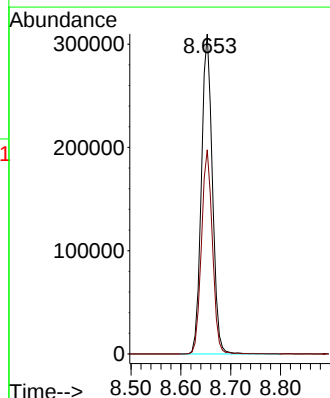
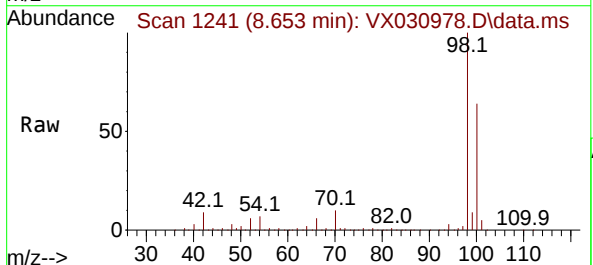
Acq: 31 Aug 2022 15:10

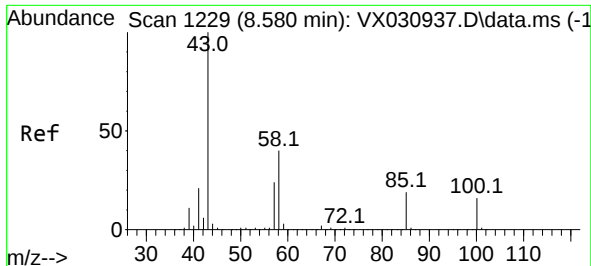
Tgt Ion: 98 Resp: 473403

Ion Ratio Lower Upper

98 100

100 63.7 52.3 78.5

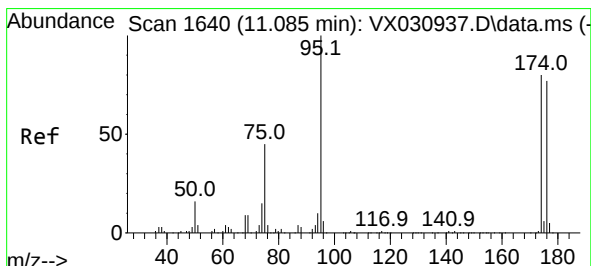
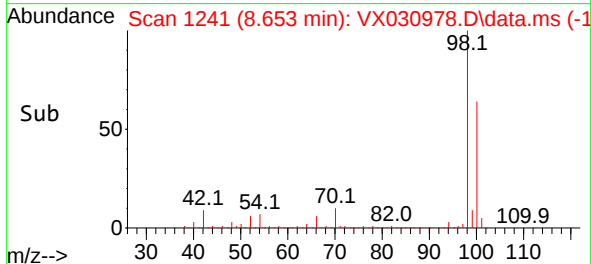
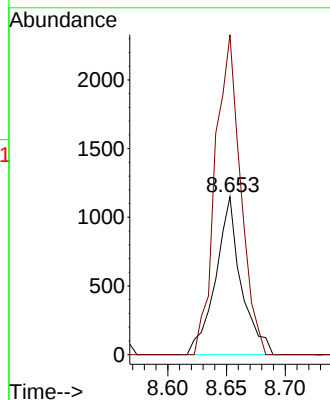
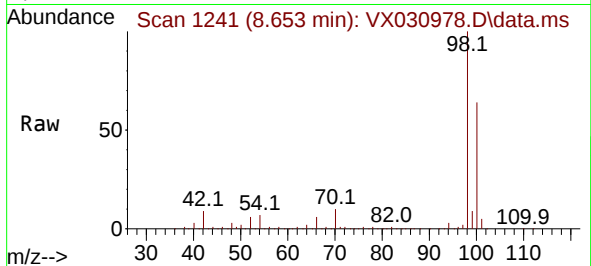




#51
4-Methyl-2-Pentanone
Concen: 0.429 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

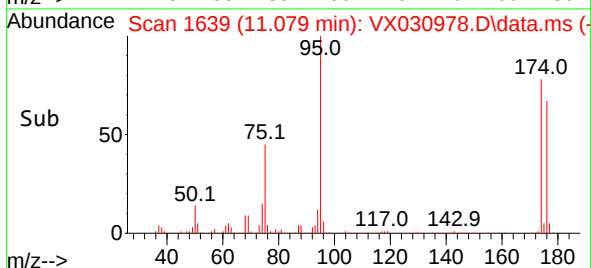
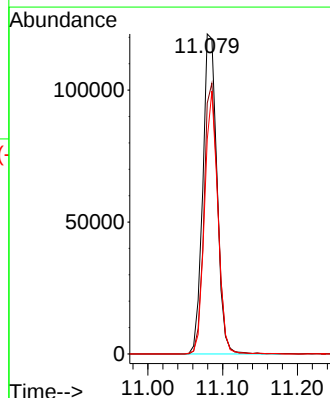
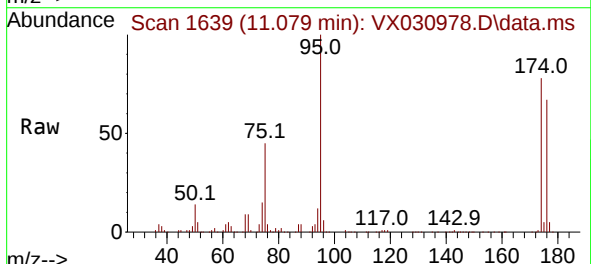
Instrument :
MSVOA_X
ClientSampleId :
MW-42

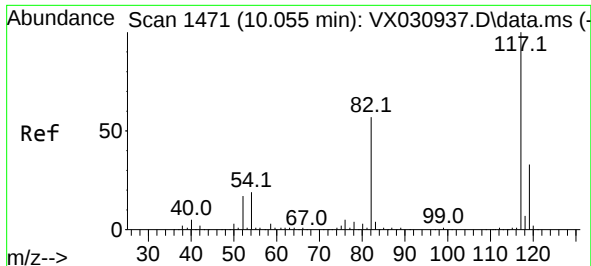
Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 201.7 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 47.890 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion: 95 Resp: 159697
Ion Ratio Lower Upper
95 100
174 82.4 0.0 149.0
176 77.0 0.0 146.0

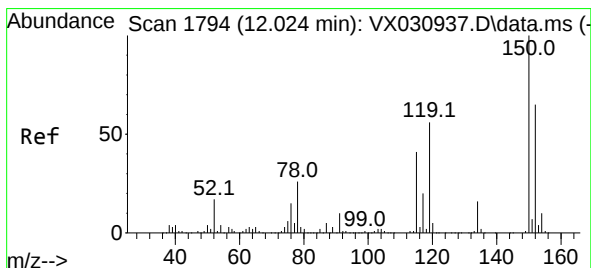
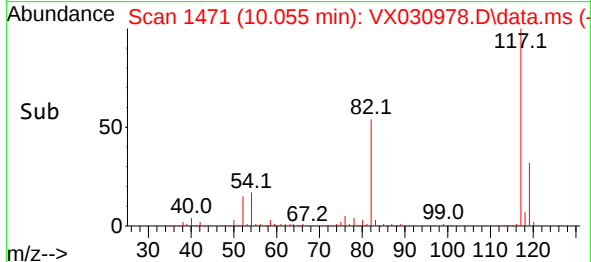
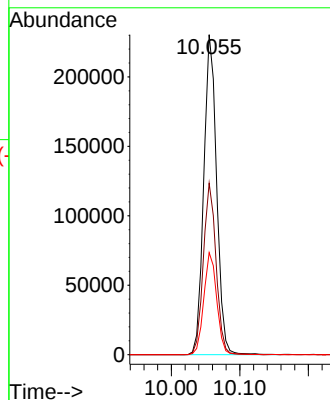
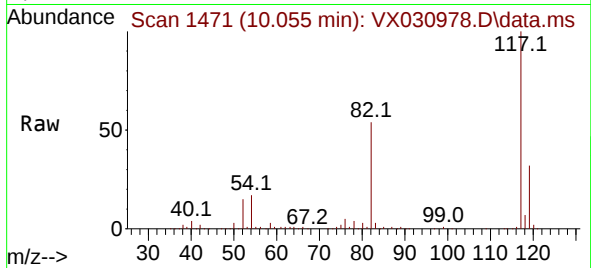




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

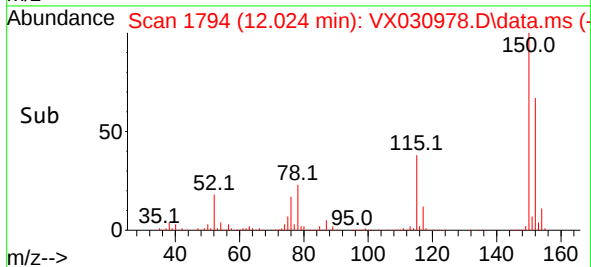
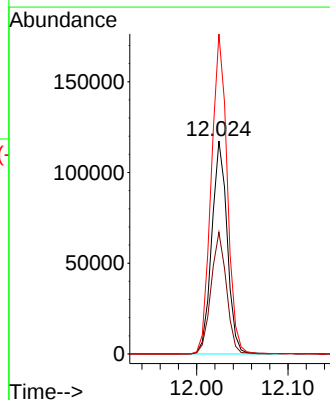
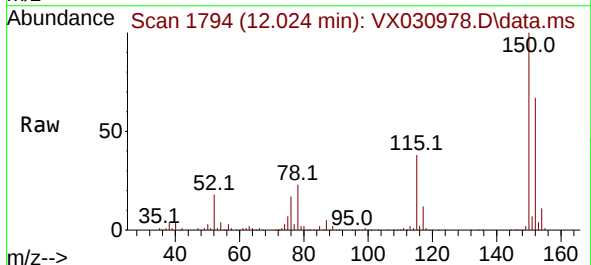
Instrument :
MSVOA_X
ClientSampleId :
MW-42

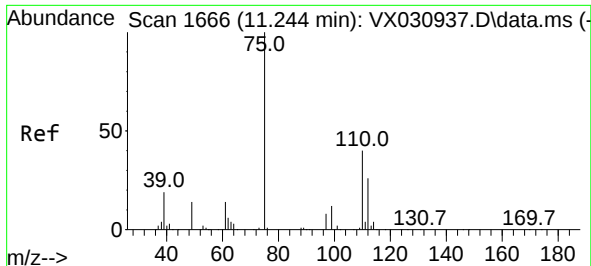
Tgt Ion:117 Resp: 302004
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion:152 Resp: 137286
Ion Ratio Lower Upper
152 100
115 57.1 40.5 121.5
150 155.4 0.0 347.0

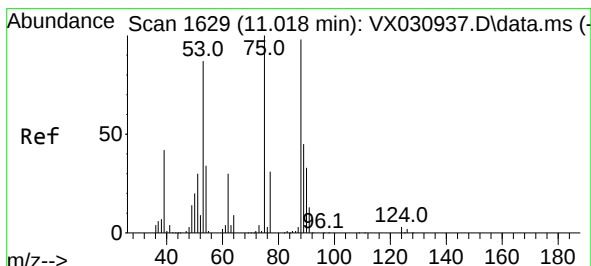
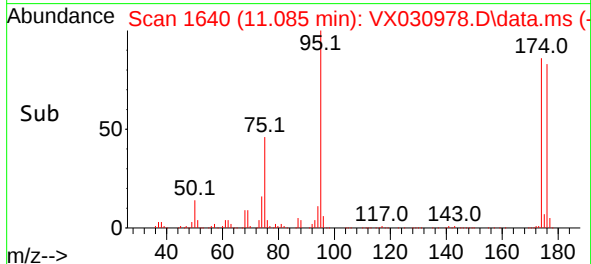
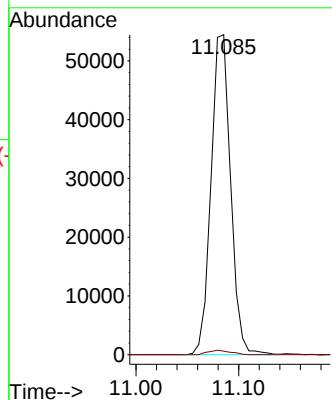
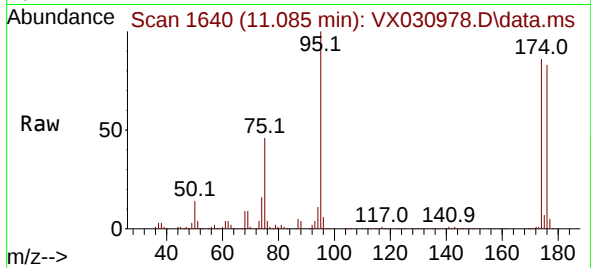




#76
1,2,3-Trichloropropane
Concen: 21.346 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Instrument :
MSVOA_X
ClientSampleId :
MW-42

Tgt Ion: 75 Resp: 72146
Ion Ratio Lower Upper
75 100
77 1.6 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.465 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030978.D
Acq: 31 Aug 2022 15:10

Tgt Ion: 75 Resp: 72146
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

