

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035798.D
 Acq On : 22 May 2023 20:28
 Operator : JC/MD
 Sample : 02884-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2004

Quant Time: May 23 06:17:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

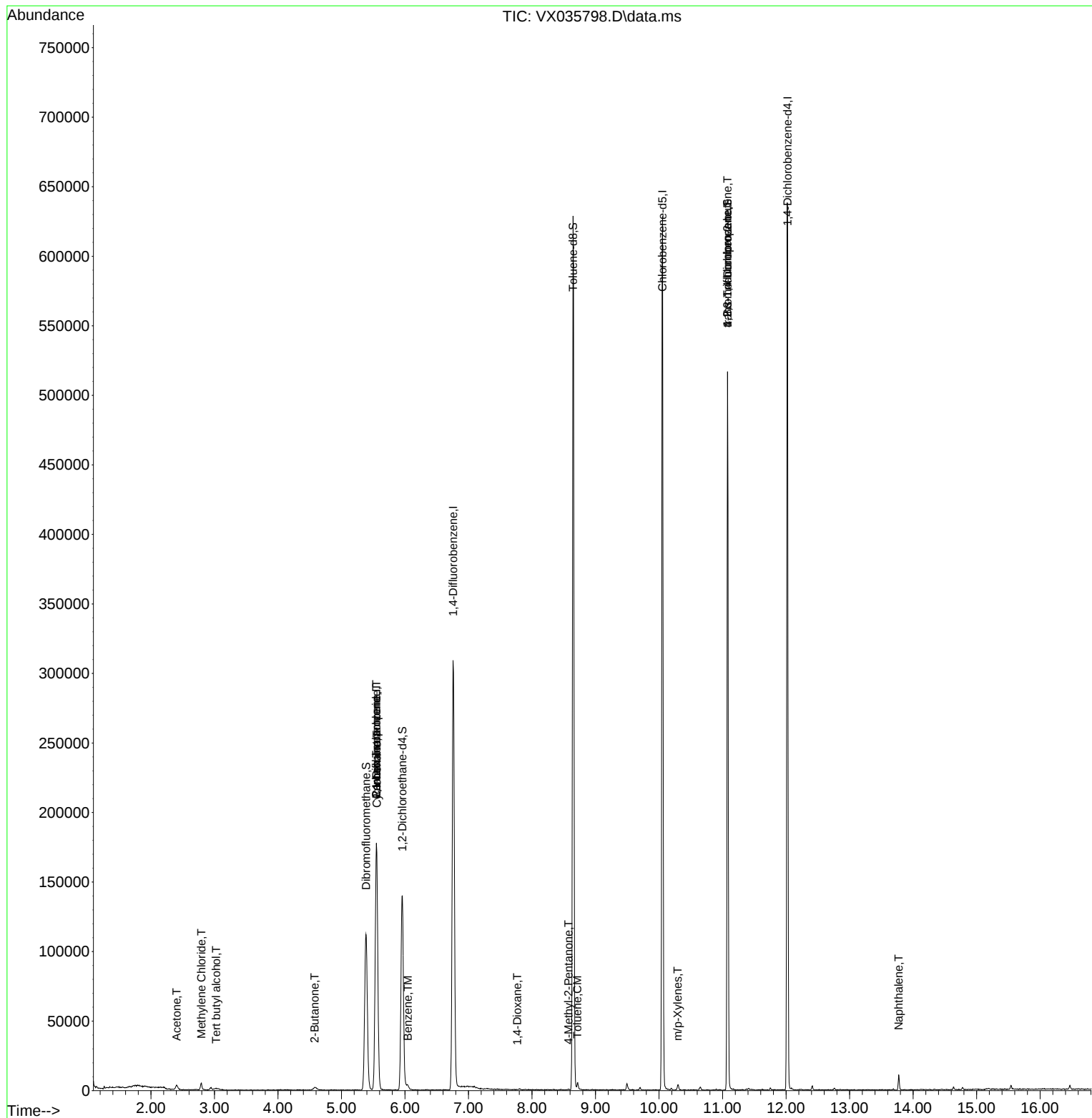
Internal Standards						
1) Pentafluorobenzene	5.550	168	166240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	310593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134411	46.347	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.700%		
35) Dibromofluoromethane	5.385	113	98610	47.078	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.160%		
50) Toluene-d8	8.647	98	359370	46.442	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.880%		
62) 4-Bromofluorobenzene	11.079	95	134870	43.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.580%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.026	59	1293	2.527	ug/l #	73
16) Acetone	2.404	43	5483	4.399	ug/l	89
20) Methylene Chloride	2.794	84	2105	0.932	ug/l #	83
25) 2-Butanone	4.574	43	440	0.255	ug/l #	51
31) Cyclohexane	5.556	56	3814	1.041	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	13670	4.135	ug/l #	50
38) Carbon Tetrachloride	5.550	117	17162	5.480	ug/l #	17
40) Benzene	6.044	78	3702	0.400	ug/l #	88
49) 1,4-Dioxane	7.769	88	24	2.365	ug/l #	23
51) 4-Methyl-2-Pentanone	8.574	43	854	0.247	ug/l #	37
52) Toluene	8.714	92	1556	0.267	ug/l	95
68) m/p-Xylenes	10.293	106	857	0.201	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	72935	23.461	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	72935	75.613	ug/l #	8
95) Naphthalene	13.774	128	6088	0.653	ug/l #	96

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

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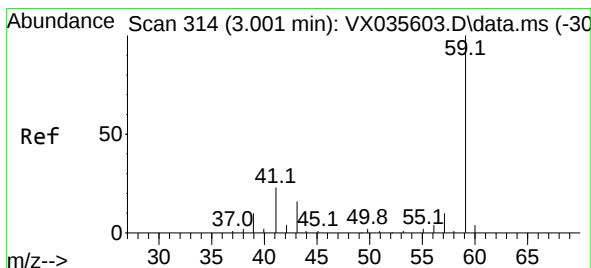
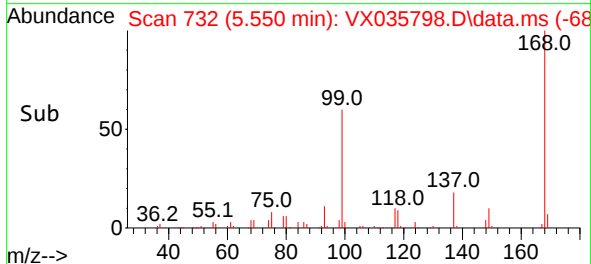
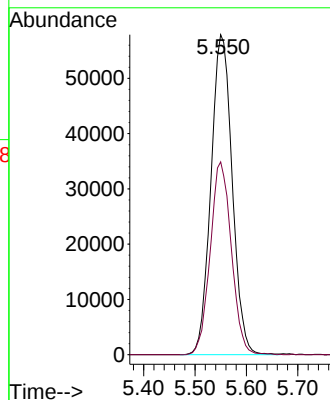
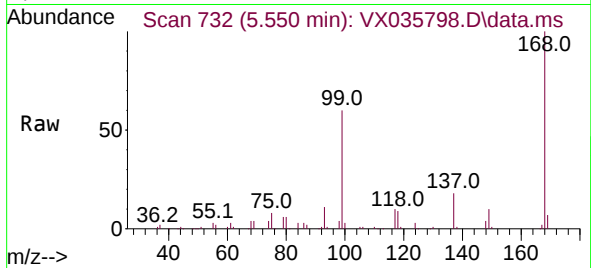




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

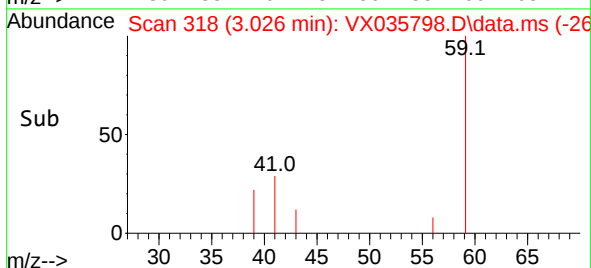
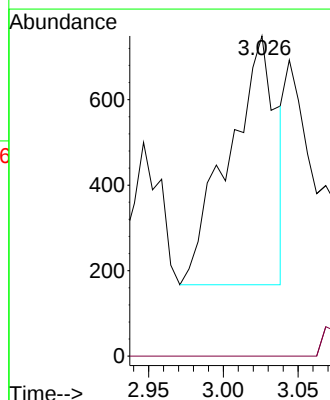
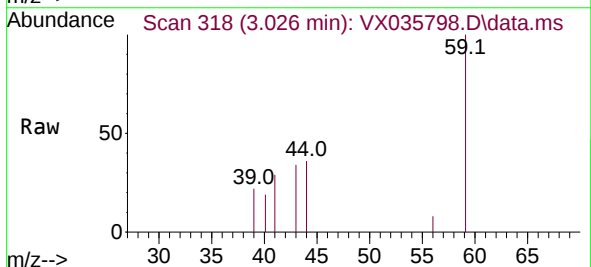
Instrument :
MSVOA_X
ClientSampleId :
2004

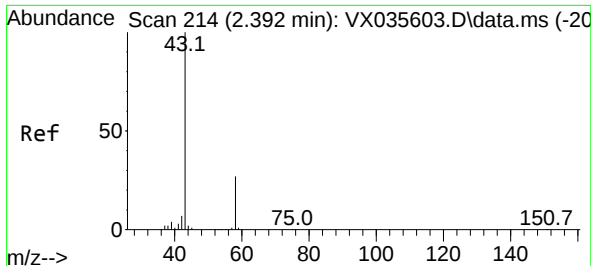
Tgt Ion:168 Resp: 166240
Ion Ratio Lower Upper
168 100
99 60.3 45.7 68.5



#11
Tert butyl alcohol
Concen: 2.527 ug/l
RT: 3.026 min Scan# 318
Delta R.T. 0.025 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

Tgt Ion: 59 Resp: 1293
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 4.399 ug/l

RT: 2.404 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

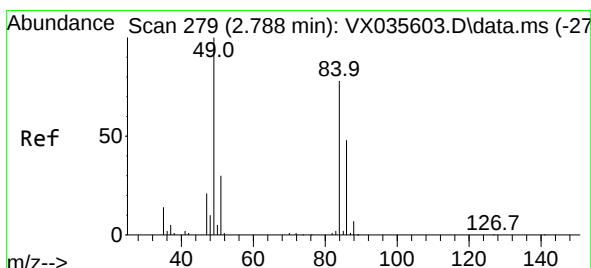
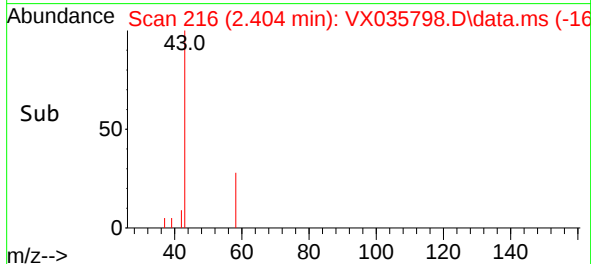
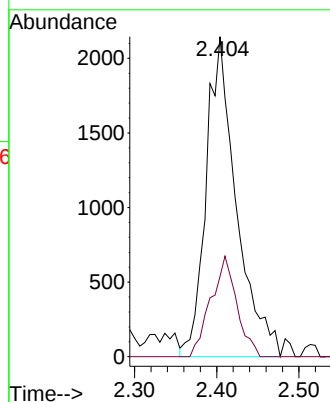
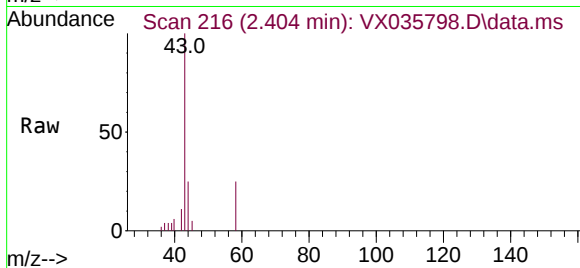
2004

Tgt Ion: 43 Resp: 5483

Ion Ratio Lower Upper

43 100

58 25.1 24.7 37.1



#20

Methylene Chloride

Concen: 0.932 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

Tgt Ion: 84 Resp: 2105

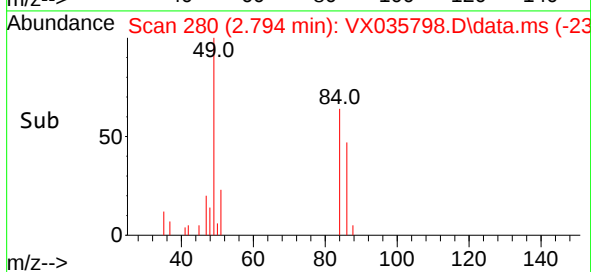
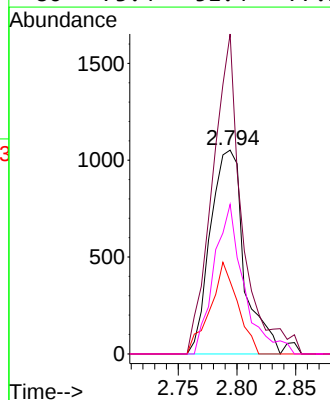
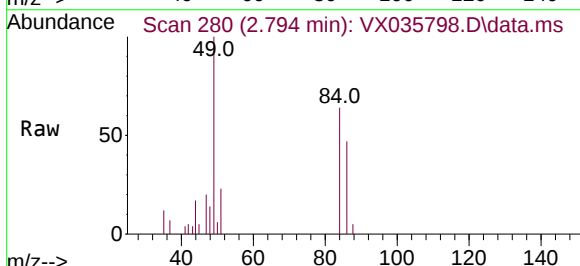
Ion Ratio Lower Upper

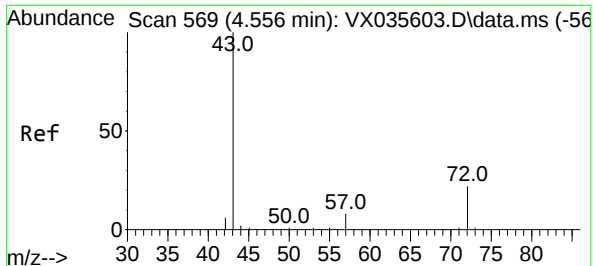
84 100

49 157.0 103.8 155.8#

51 35.6 31.8 47.8

86 73.4 51.4 77.2





#25

2-Butanone

Concen: 0.255 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

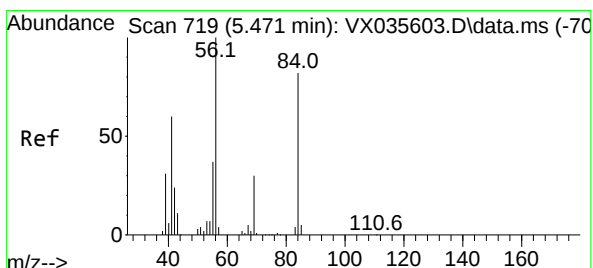
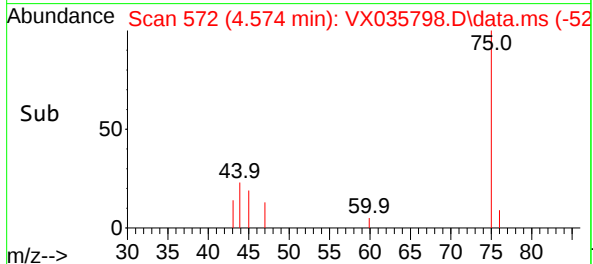
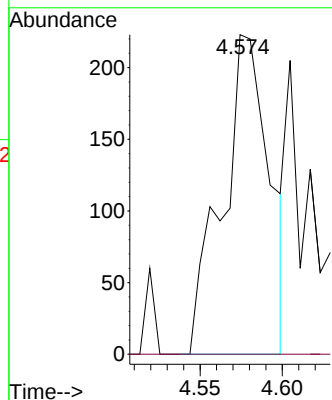
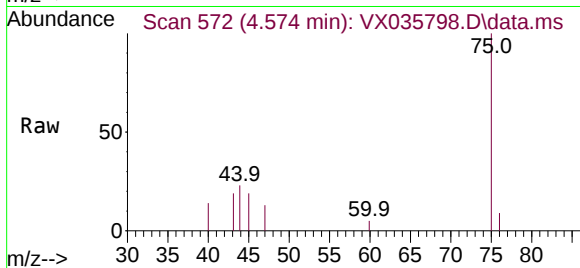
2004

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#31

Cyclohexane

Concen: 1.041 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

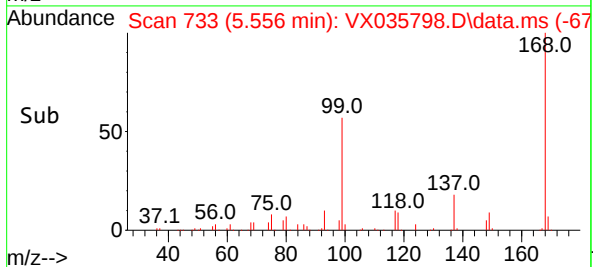
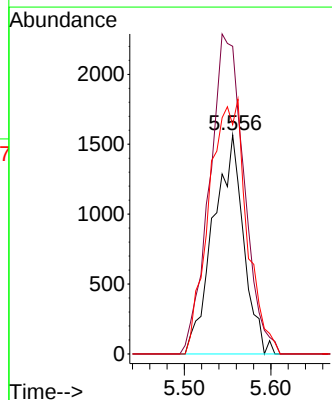
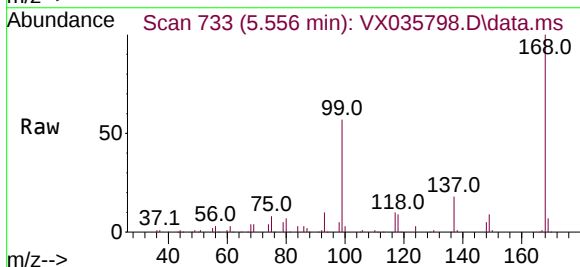
Tgt Ion: 56 Resp: 3814

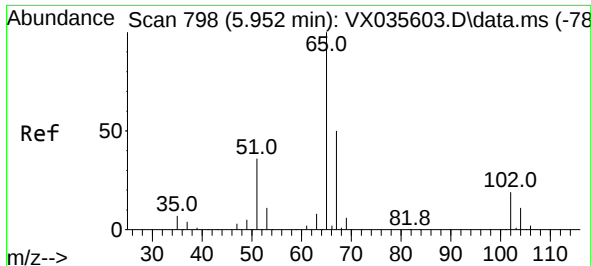
Ion Ratio Lower Upper

56 100

69 140.5 23.7 35.5#

84 104.7 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 46.347 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

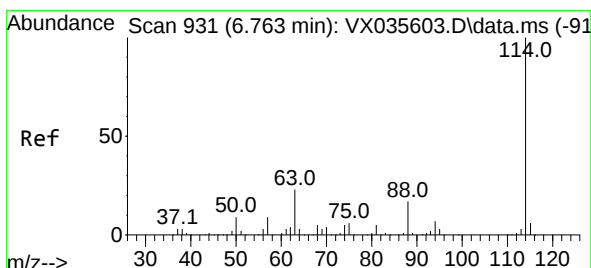
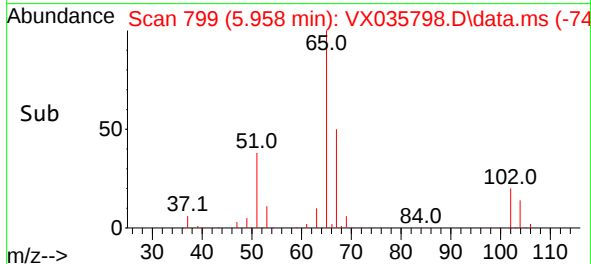
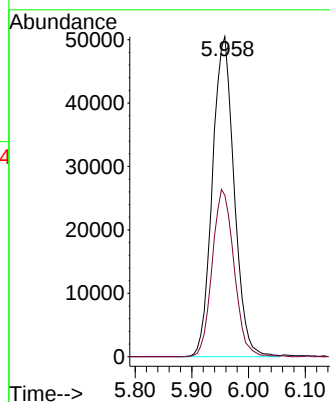
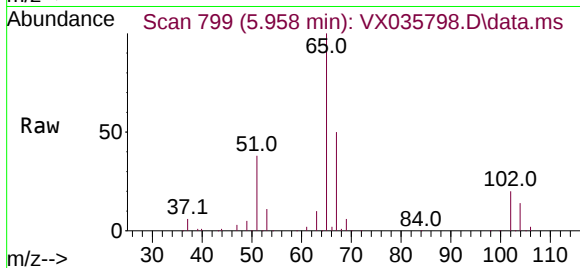
2004

Tgt Ion: 65 Resp: 134411

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

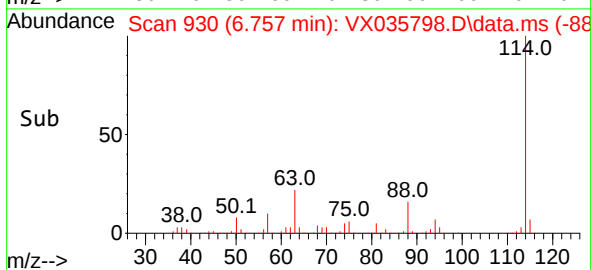
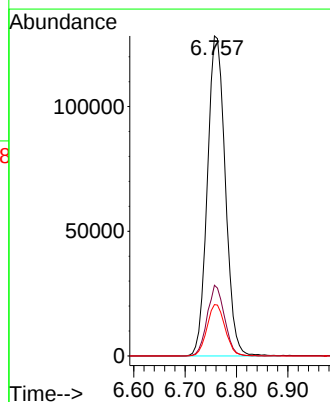
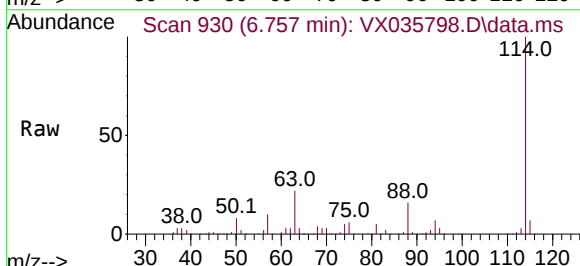
Tgt Ion: 114 Resp: 310593

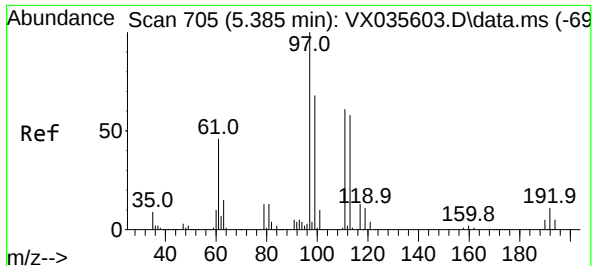
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.2

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.078 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

2004

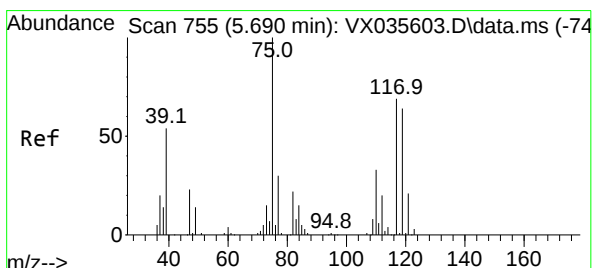
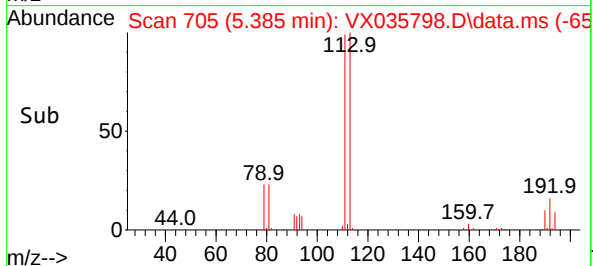
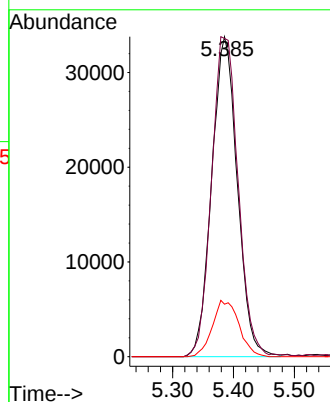
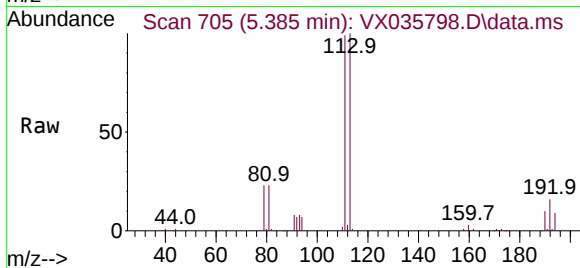
Tgt Ion:113 Resp: 98610

Ion Ratio Lower Upper

113 100

111 103.9 83.7 125.5

192 18.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.135 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

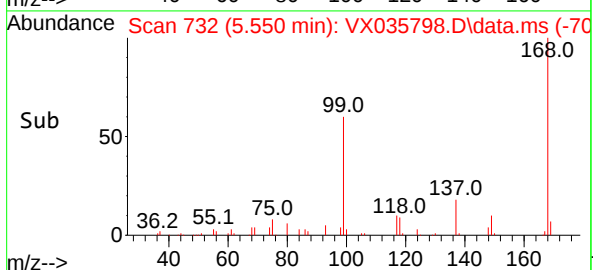
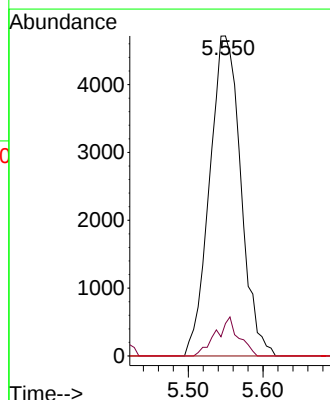
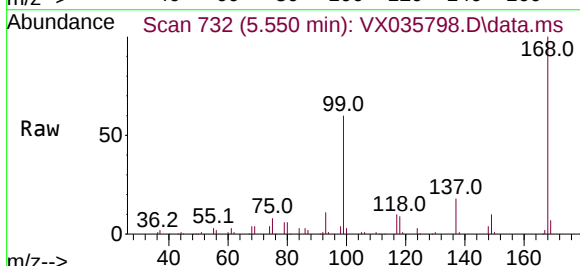
Tgt Ion: 75 Resp: 13670

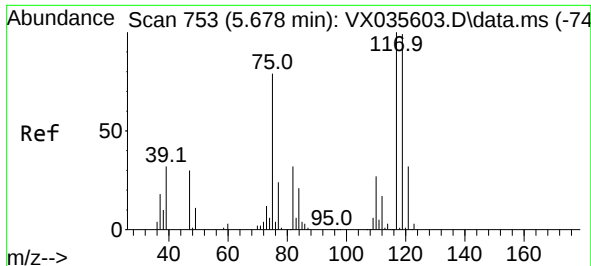
Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.5#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.480 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX035798.D

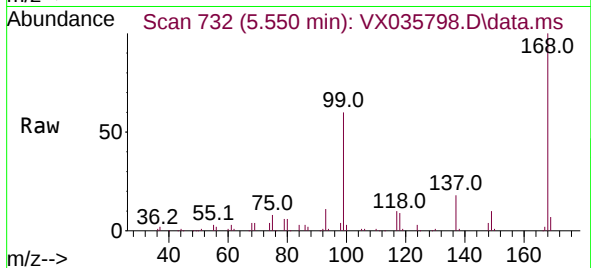
Acq: 22 May 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

2004



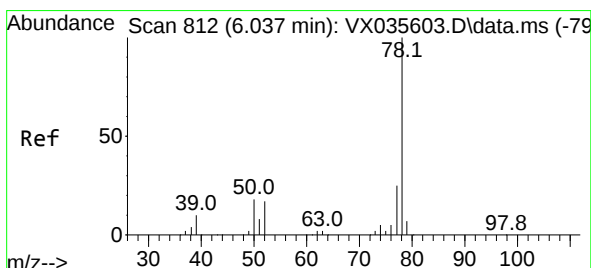
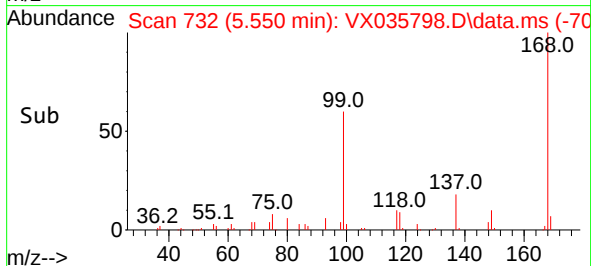
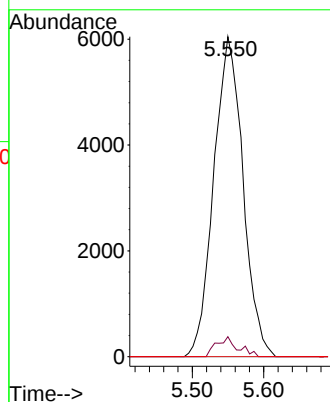
Tgt Ion:117 Resp: 17162

Ion Ratio Lower Upper

117 100

119 6.3 76.6 114.8#

121 0.0 23.8 35.6#



#40

Benzene

Concen: 0.400 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.007 min

Lab File: VX035798.D

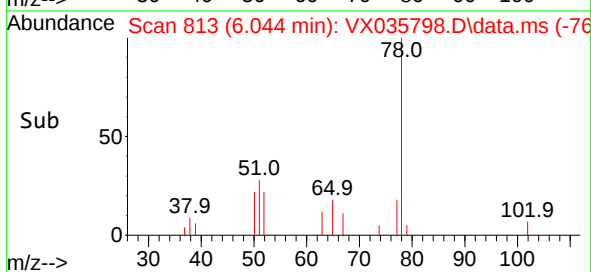
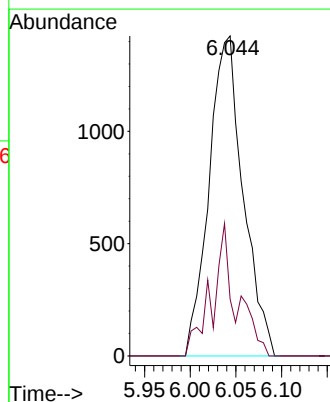
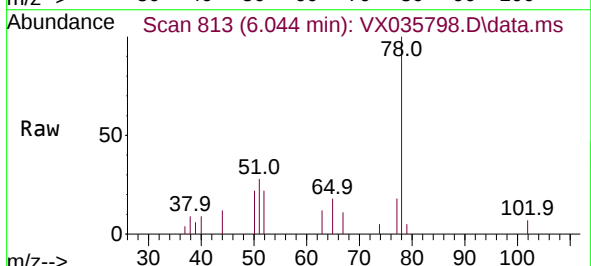
Acq: 22 May 2023 20:28

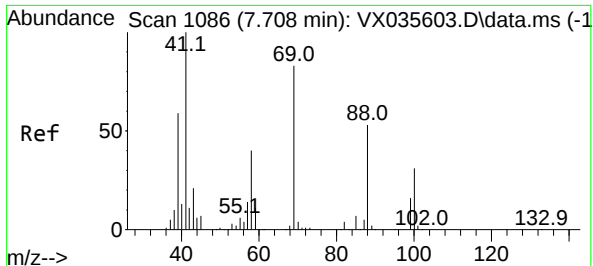
Tgt Ion: 78 Resp: 3702

Ion Ratio Lower Upper

78 100

77 17.8 19.0 28.4#





#49

1,4-Dioxane

Concen: 2.365 ug/l

RT: 7.769 min Scan# 1096

Delta R.T. 0.061 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

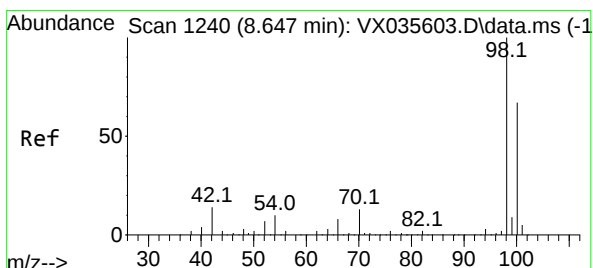
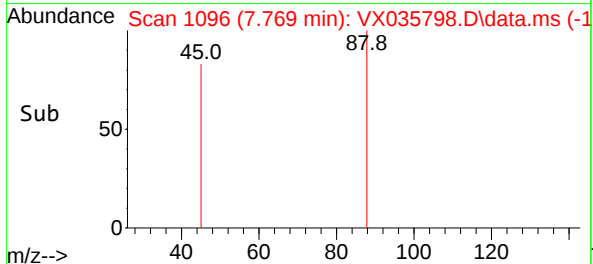
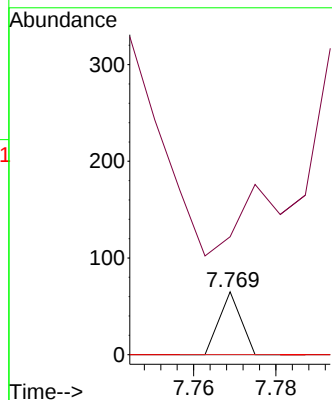
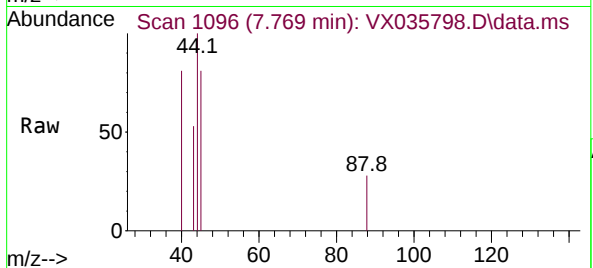
Instrument :

MSVOA_X

ClientSampleId :

2004

Tgt Ion:	88	Resp:	24
Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	0.0	56.8	85.2#



#50

Toluene-d8

Concen: 46.442 ug/l

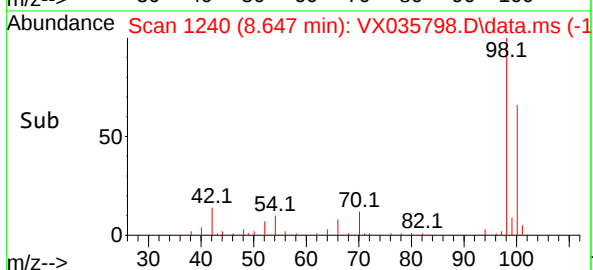
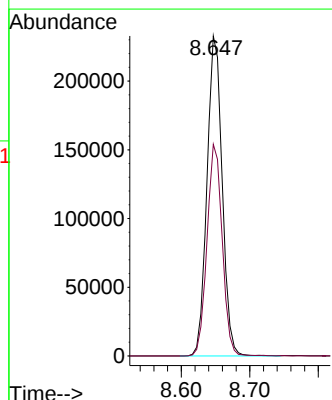
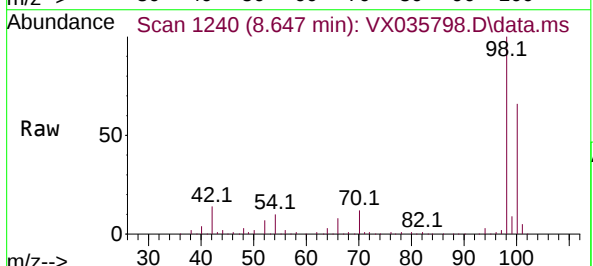
RT: 8.647 min Scan# 1240

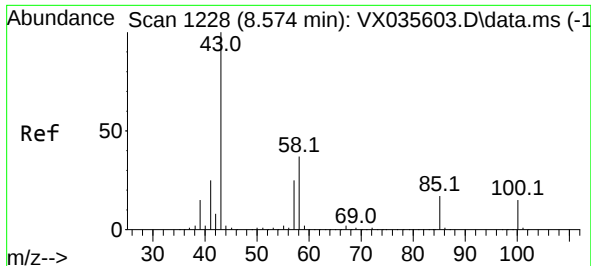
Delta R.T. -0.000 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

Tgt Ion:	98	Resp:	359370
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.5	78.7

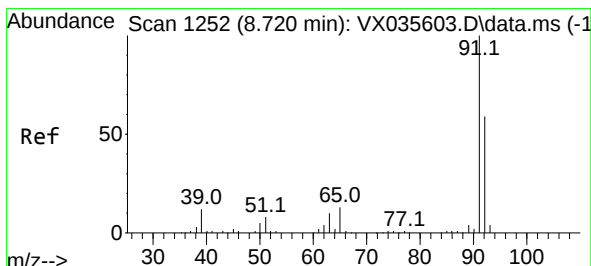
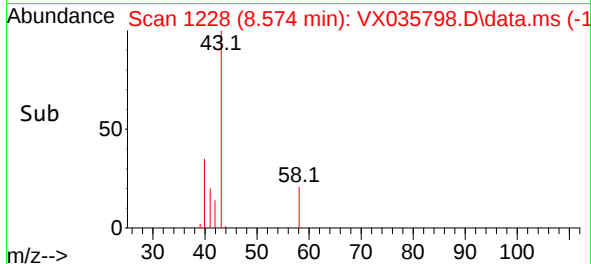
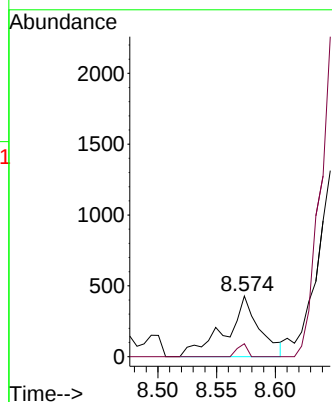
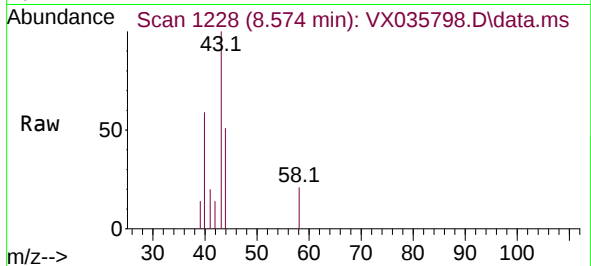




#51
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

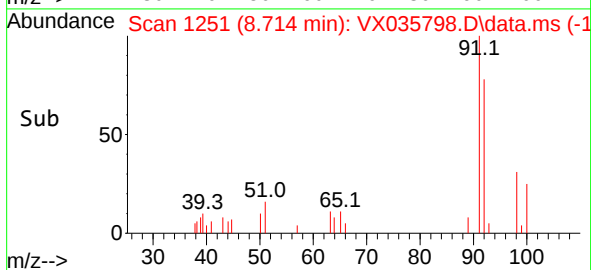
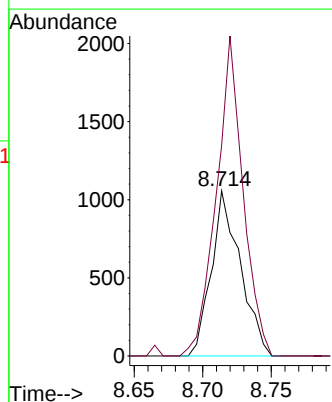
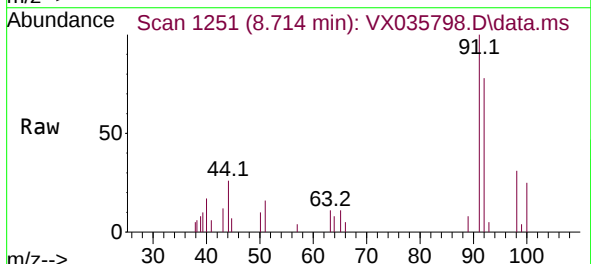
Instrument :
MSVOA_X
ClientSampleId :
2004

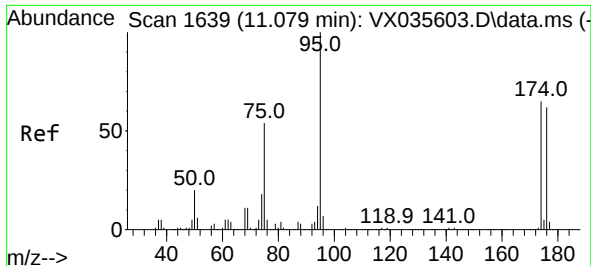
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#



#52
Toluene
Concen: 0.267 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

Tgt Ion: 92 Resp: 1556
Ion Ratio Lower Upper
92 100
91 178.5 136.8 205.2





#62

4-Bromofluorobenzene

Concen: 43.287 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

Instrument :

MSVOA_X

ClientSampleId :

2004

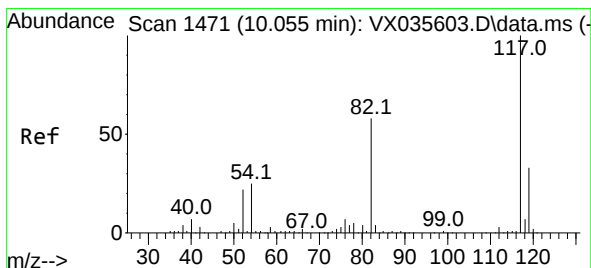
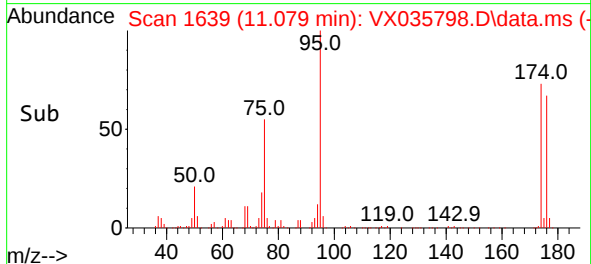
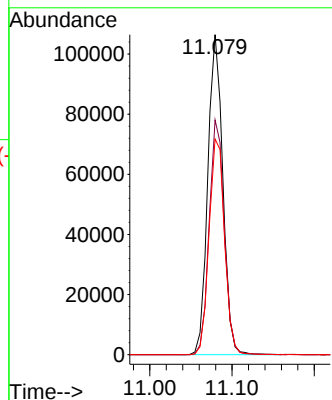
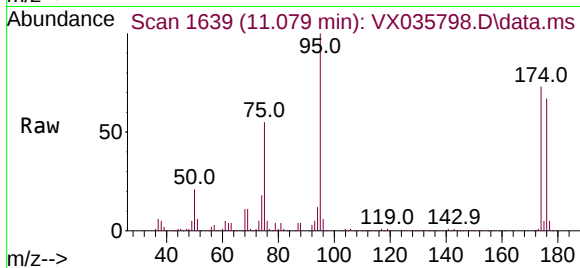
Tgt Ion: 95 Resp: 134870

Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.4

176 69.7 0.0 140.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035798.D

Acq: 22 May 2023 20:28

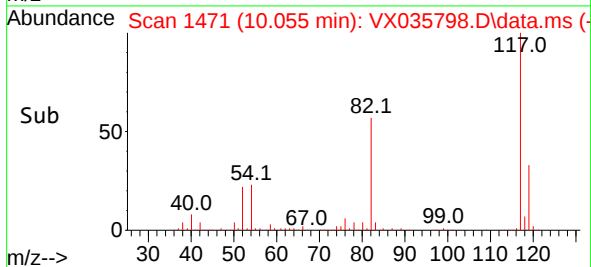
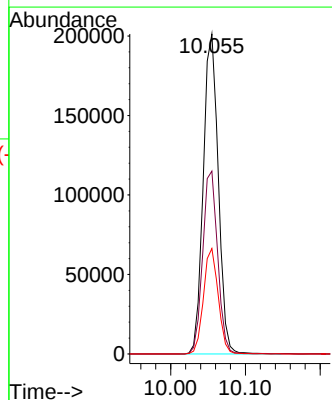
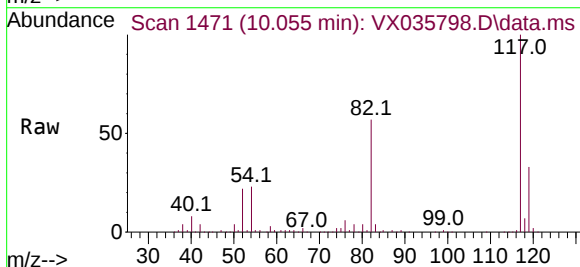
Tgt Ion: 117 Resp: 280756

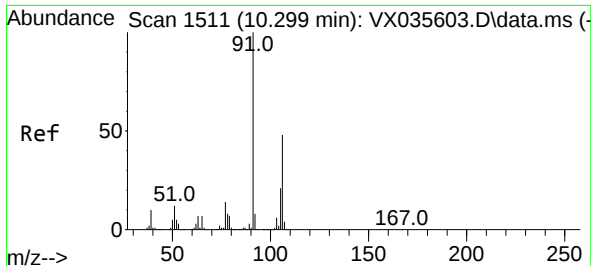
Ion Ratio Lower Upper

117 100

82 57.2 45.0 67.4

119 32.9 26.0 39.0

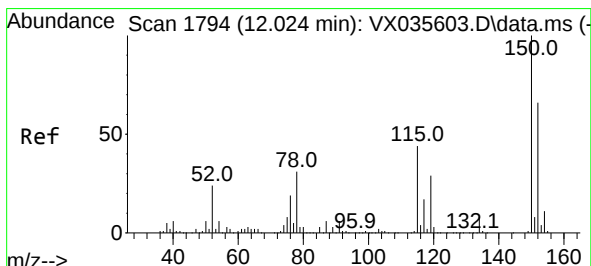
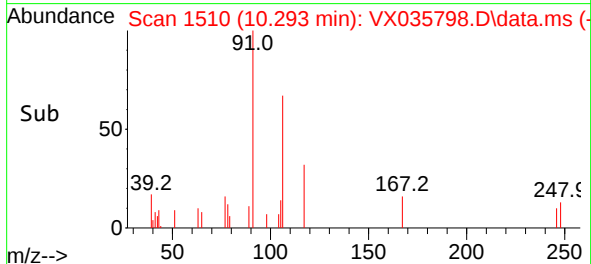
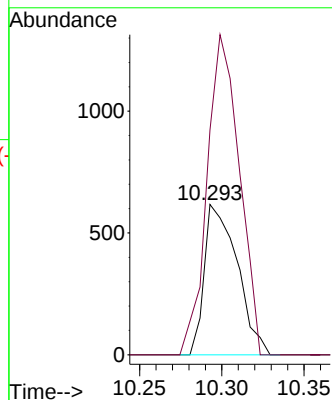
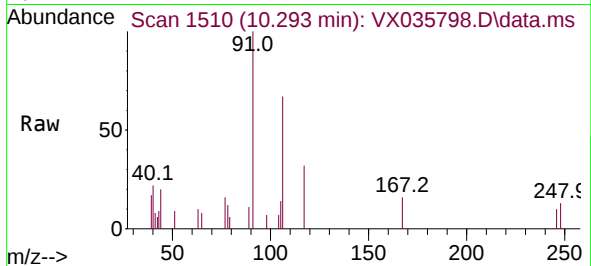




#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 10.293 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

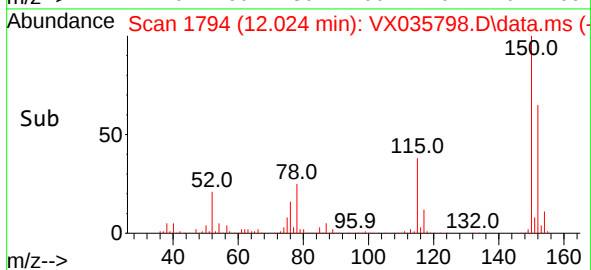
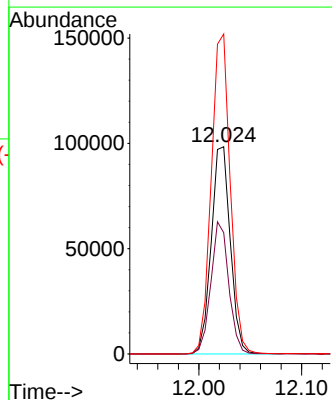
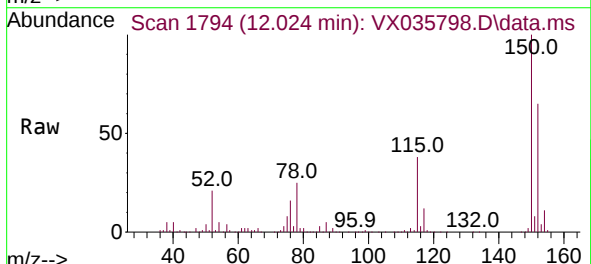
Instrument :
MSVOA_X
ClientSampleId :
2004

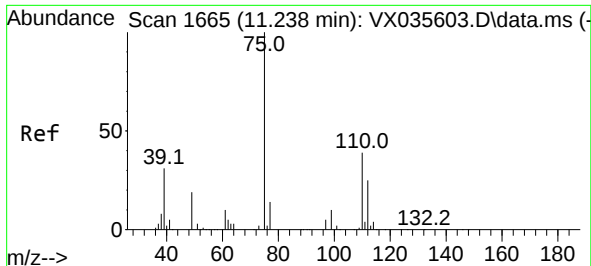
Tgt Ion:106 Resp: 857
Ion Ratio Lower Upper
106 100
91 209.6 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

Tgt Ion:152 Resp: 127092
Ion Ratio Lower Upper
152 100
115 60.2 45.0 135.0
150 153.2 0.0 352.4

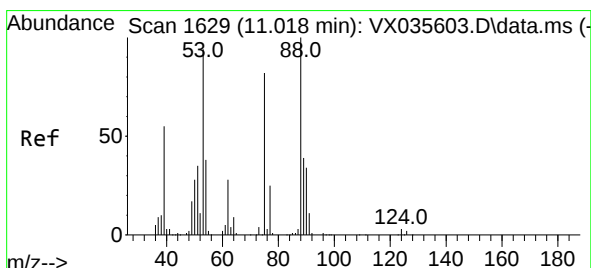
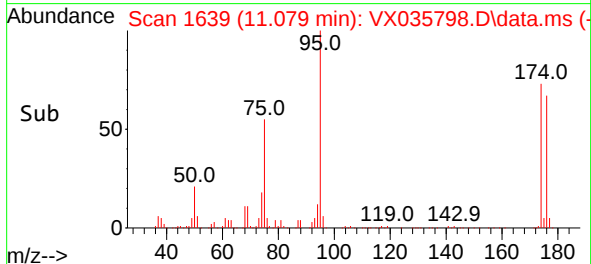
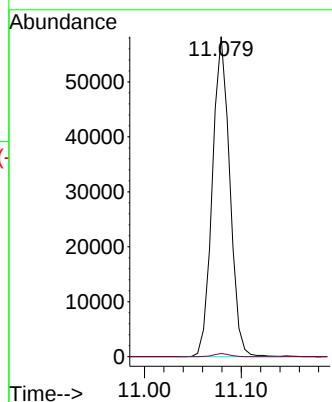
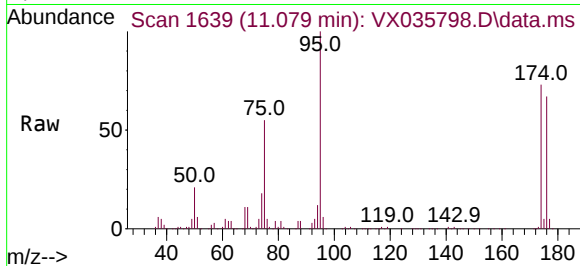




#76
1,2,3-Trichloropropane
Concen: 23.461 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

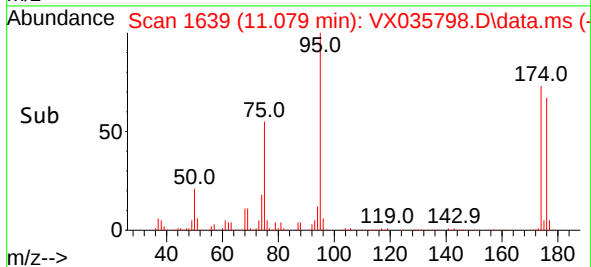
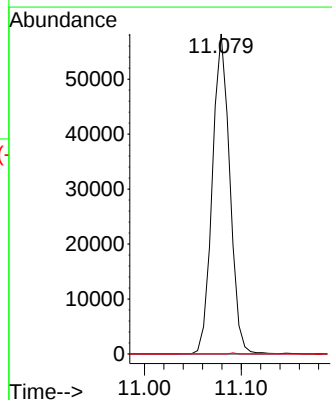
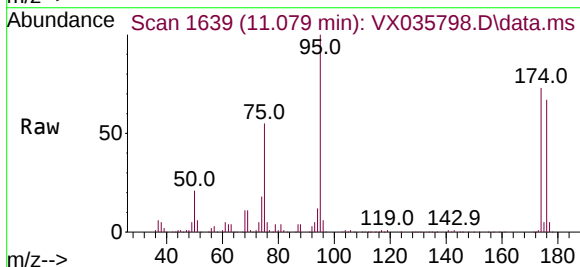
Instrument :
MSVOA_X
ClientSampleId :
2004

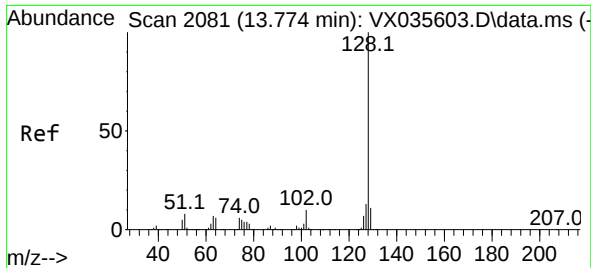
Tgt Ion: 75 Resp: 72935
Ion Ratio Lower Upper
75 100
77 0.9 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

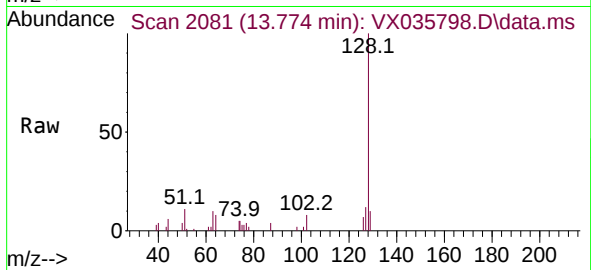
Tgt Ion: 75 Resp: 72935
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#





#95
Naphthalene
Concen: 0.653 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035798.D
Acq: 22 May 2023 20:28

Instrument :
MSVOA_X
ClientSampleId :
2004



Tgt Ion:128 Resp: 6088
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 13.0 8.6 13.0#

