

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
 Data File : VX029569.D
 Acq On : 18 Jun 2022 15:03
 Operator : JC/MD
 Sample : N3325-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jun 20 01:33:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	265145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	445450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174090	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153320	43.683	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.360%
35) Dibromofluoromethane	5.391	113	132147	45.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.040%
50) Toluene-d8	8.653	98	506460	47.757	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.520%
62) 4-Bromofluorobenzene	11.079	95	185701	46.434	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.860%

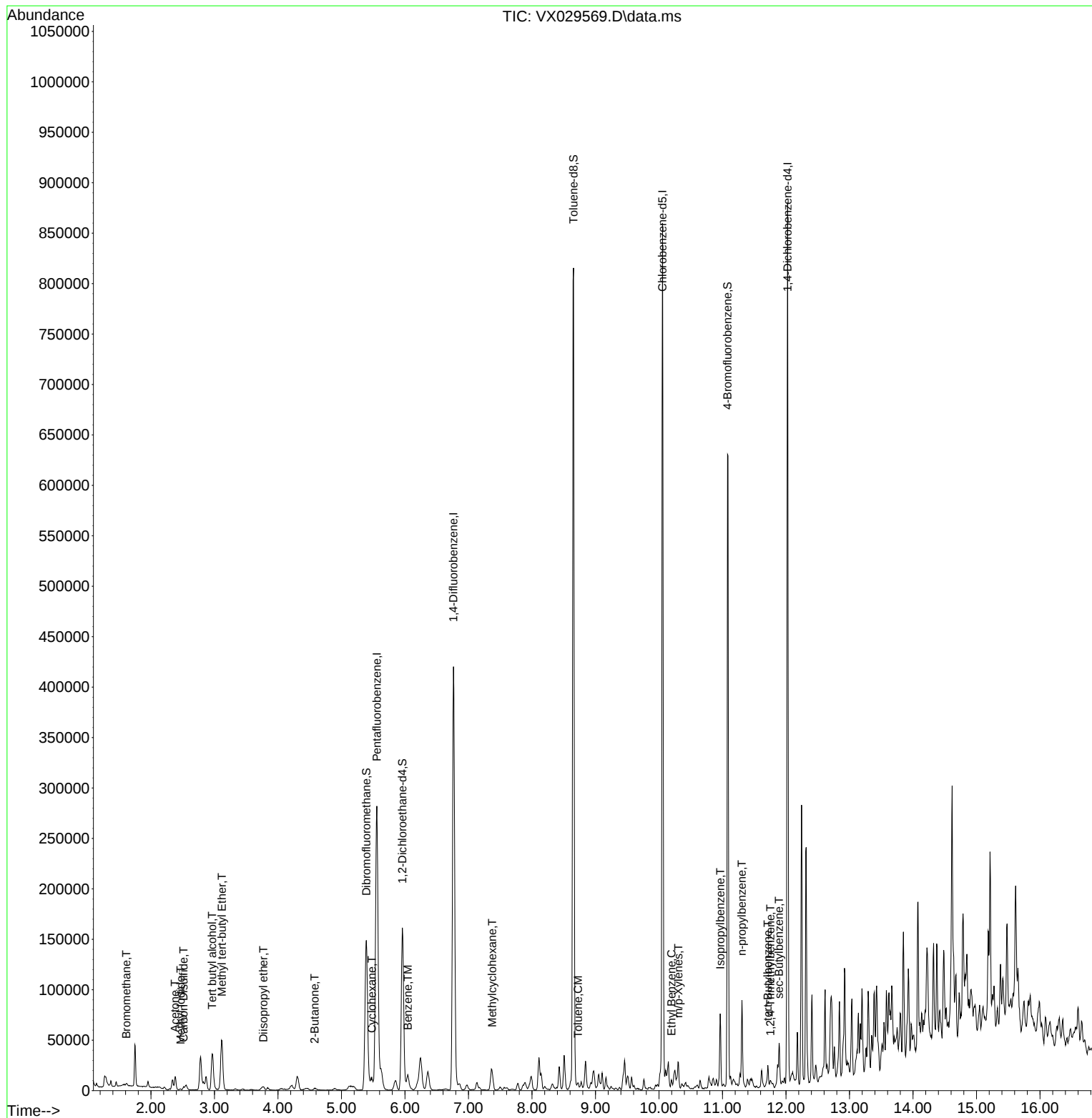
Target Compounds						Qvalue
5) Bromomethane	1.612	94	1079	0.664	ug/l	91
10) Methyl Iodide	2.465	142	1207	3.375	ug/l #	97
11) Tert butyl alcohol	2.965	59	49271	57.285	ug/l	99
16) Acetone	2.380	43	13749	9.828	ug/l	95
17) Carbon Disulfide	2.514	76	3859	0.554	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	51999	5.576	ug/l #	85
22) Diisopropyl ether	3.770	45	4015	0.468	ug/l #	75
25) 2-Butanone	4.574	43	3997	1.808	ug/l	99
31) Cyclohexane	5.477	56	8143	1.728	ug/l #	93
39) Methylcyclohexane	7.373	83	5125	1.046	ug/l #	26
40) Benzene	6.044	78	18032	1.548	ug/l	100
52) Toluene	8.726	92	2426	0.325	ug/l	96
67) Ethyl Benzene	10.195	91	4962	0.361	ug/l	95
68) m/p-Xylenes	10.305	106	5786	1.080	ug/l	86
73) Isopropylbenzene	10.964	105	36853	2.823	ug/l	97
78) n-propylbenzene	11.305	91	50063	3.405	ug/l	99
83) tert-Butylbenzene	11.713	119	4395	0.410	ug/l	83
84) 1,2,4-Trimethylbenzene	11.756	105	2638	0.241	ug/l	94
85) sec-Butylbenzene	11.890	105	16392	1.234	ug/l #	72

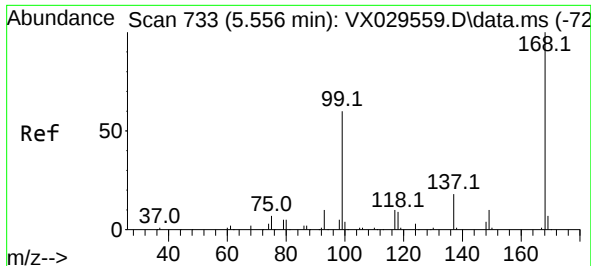
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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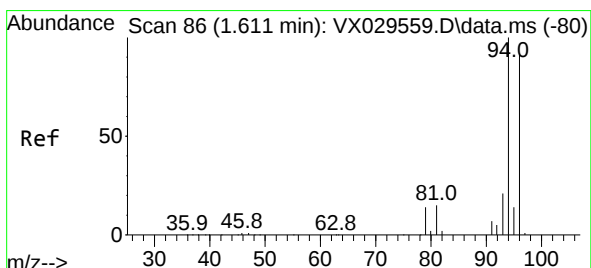
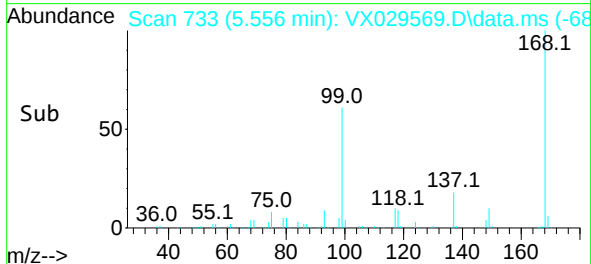
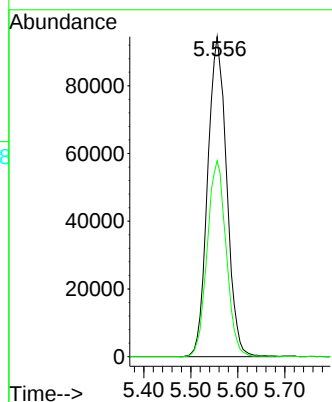
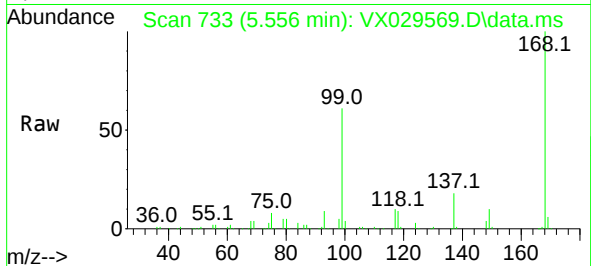




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

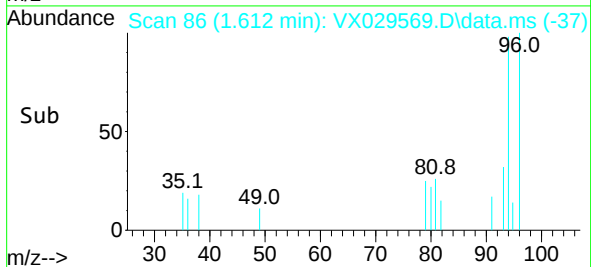
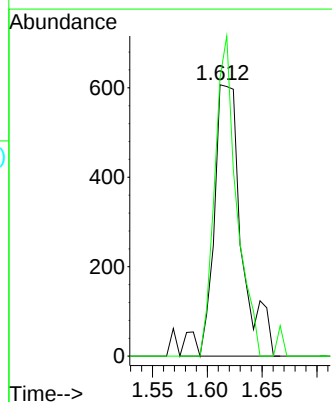
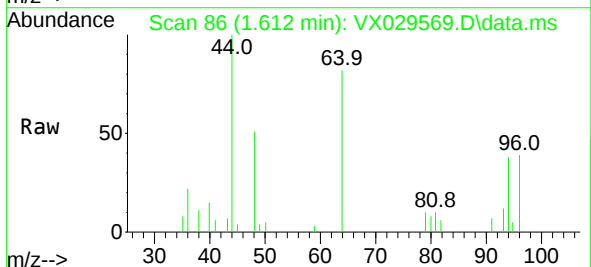
Instrument :
MSVOA_X
ClientSampleId :
MW-4

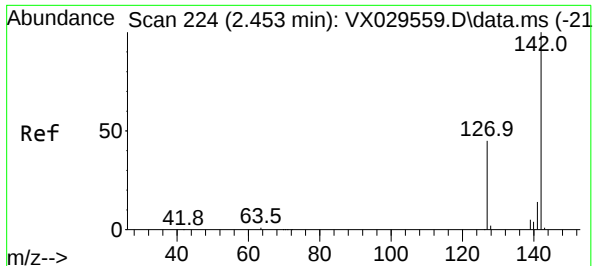
Tgt Ion:168 Resp: 265145
Ion Ratio Lower Upper
168 100
99 61.2 41.7 62.5



#5
Bromomethane
Concen: 0.664 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.001 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

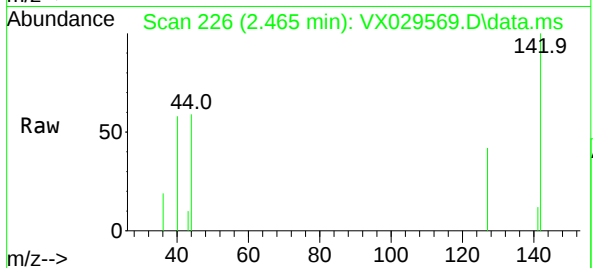
Tgt Ion: 94 Resp: 1079
Ion Ratio Lower Upper
94 100
96 102.5 75.3 112.9



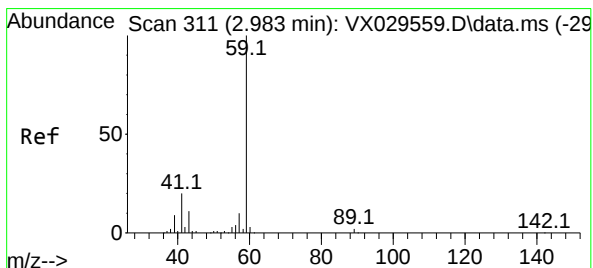
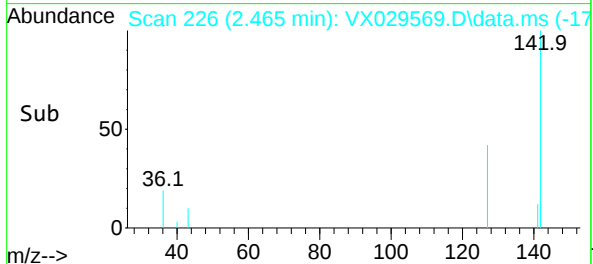
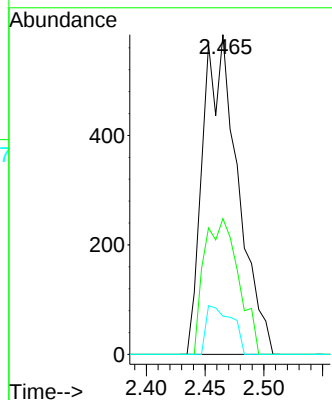


#10
Methyl Iodide
Concen: 3.375 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

Instrument :
MSVOA_X
ClientSampleId :
MW-4

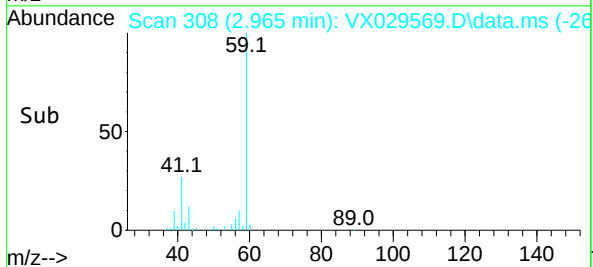
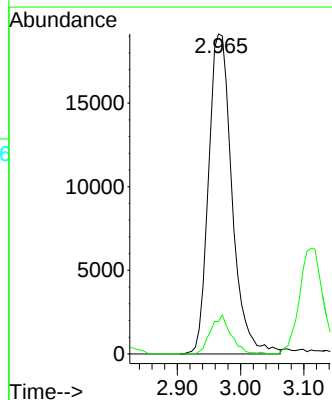
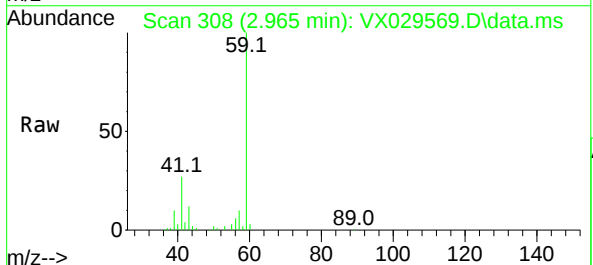


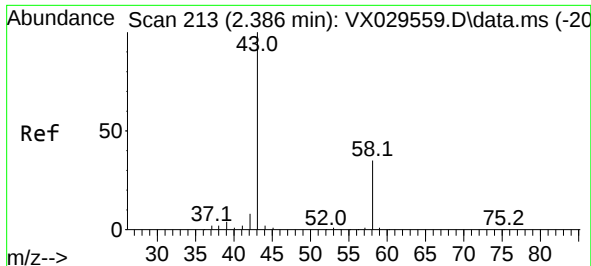
Tgt Ion:142 Resp: 1207
Ion Ratio Lower Upper
142 100
127 41.8 33.9 50.9
141 11.4 11.4 17.2#



#11
Tert butyl alcohol
Concen: 57.285 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

Tgt Ion: 59 Resp: 49271
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

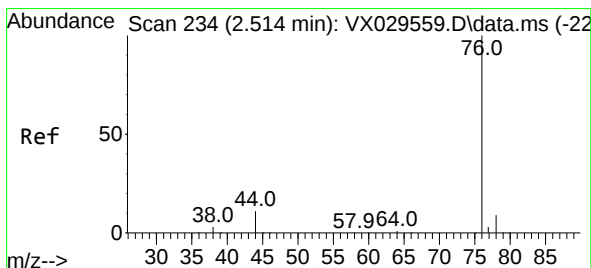
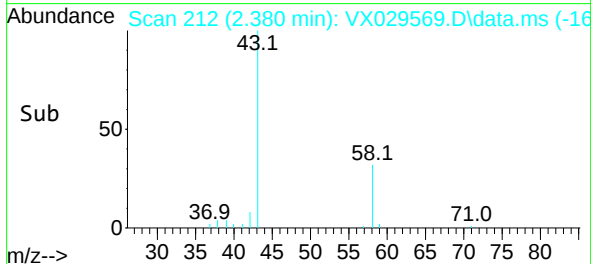
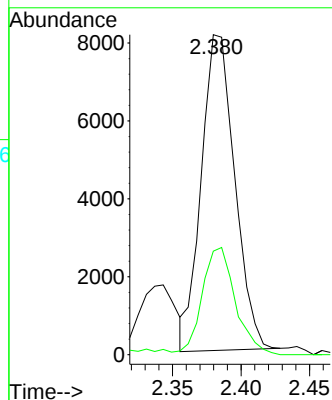
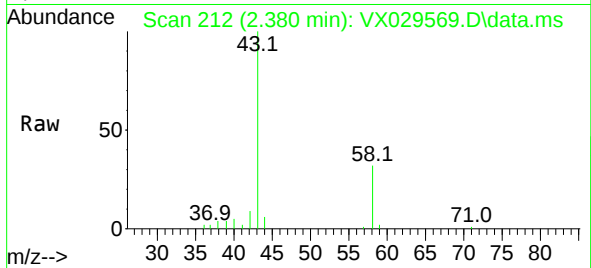




#16
Acetone
Concen: 9.828 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

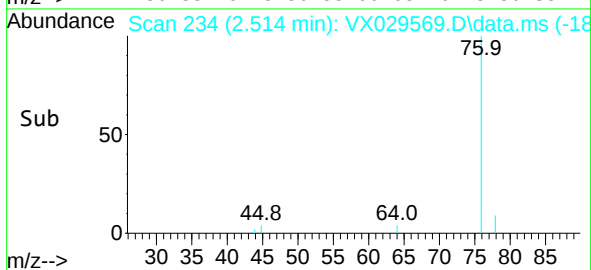
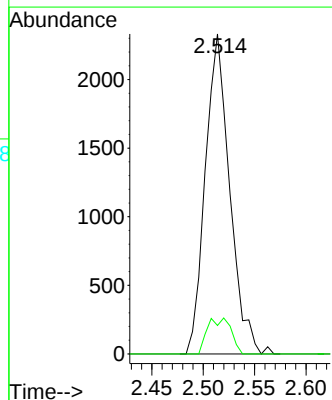
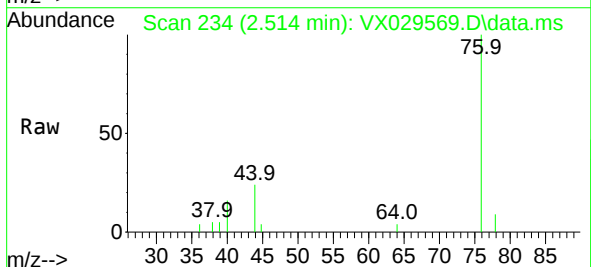
Instrument :
MSVOA_X
ClientSampleId :
MW-4

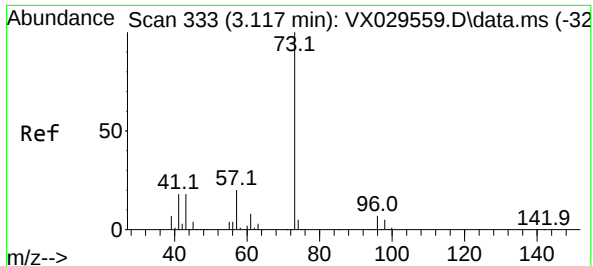
Tgt Ion: 43 Resp: 13749
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#17
Carbon Disulfide
Concen: 0.554 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

Tgt Ion: 76 Resp: 3859
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





#19

Methyl tert-butyl Ether

Concen: 5.576 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

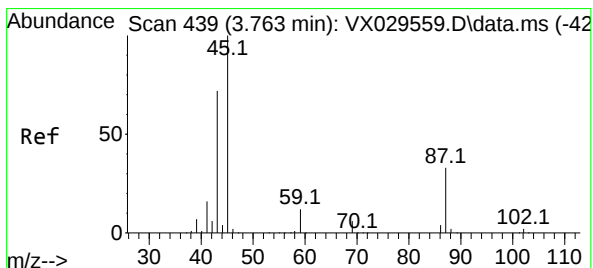
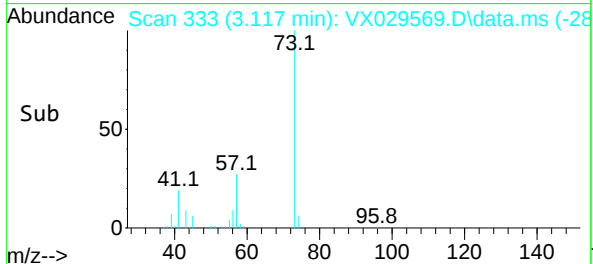
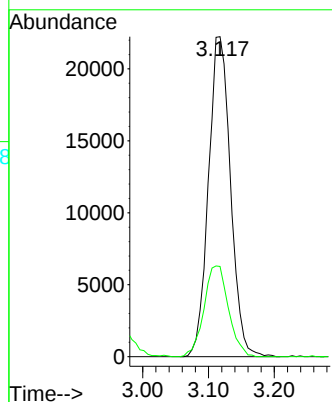
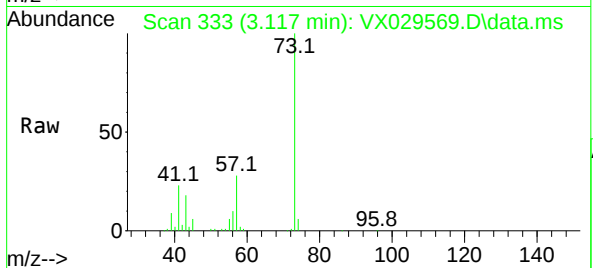
MW-4

Tgt Ion: 73 Resp: 51999

Ion Ratio Lower Upper

73 100

57 28.2 16.8 25.2#



#22

Diisopropyl ether

Concen: 0.468 ug/l

RT: 3.770 min Scan# 440

Delta R.T. 0.007 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Tgt Ion: 45 Resp: 4015

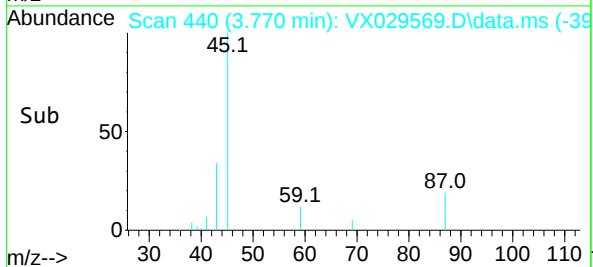
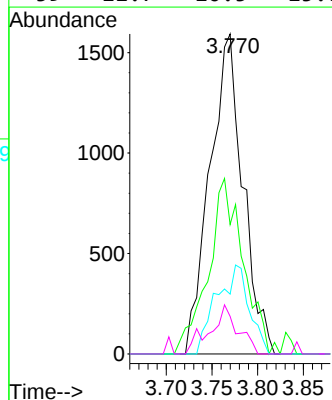
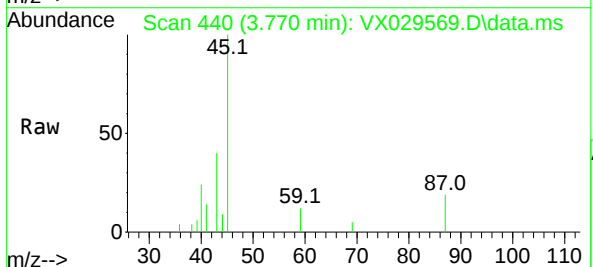
Ion Ratio Lower Upper

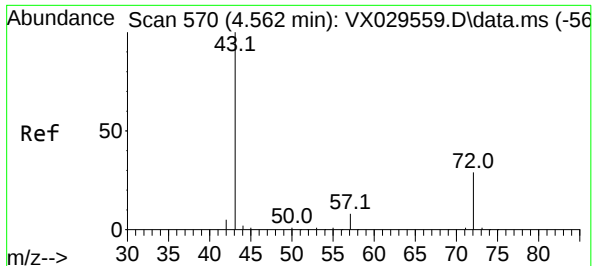
45 100

43 40.4 50.8 76.2#

87 18.7 26.6 39.8#

59 11.7 10.5 15.7





#25

2-Butanone

Concen: 1.808 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

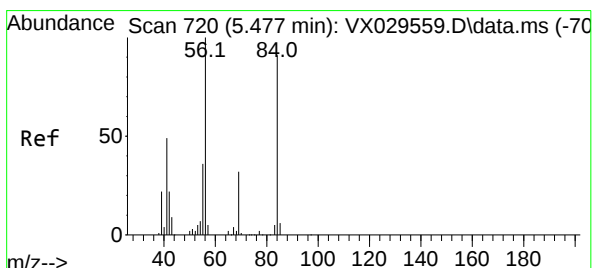
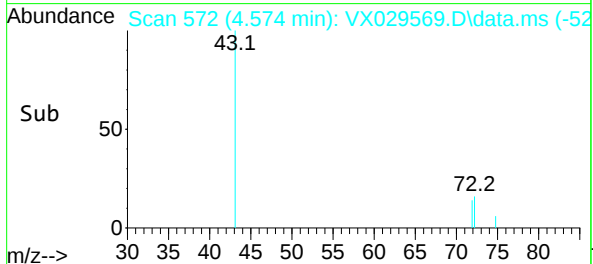
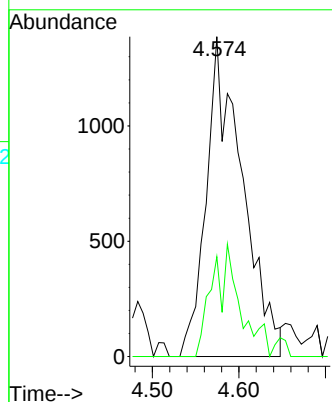
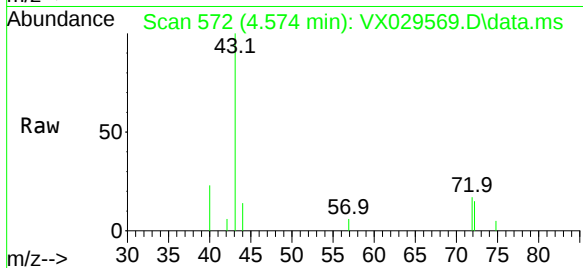
MW-4

Tgt Ion: 43 Resp: 3997

Ion Ratio Lower Upper

43 100

72 31.2 24.4 36.6



#31

Cyclohexane

Concen: 1.728 ug/l

RT: 5.477 min Scan# 720

Delta R.T. -0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

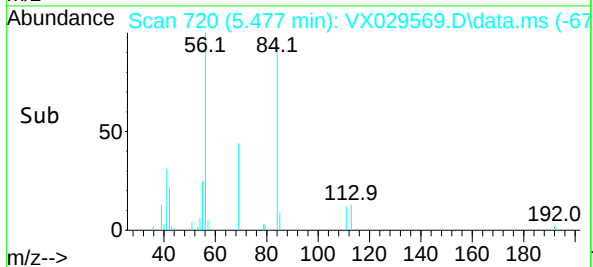
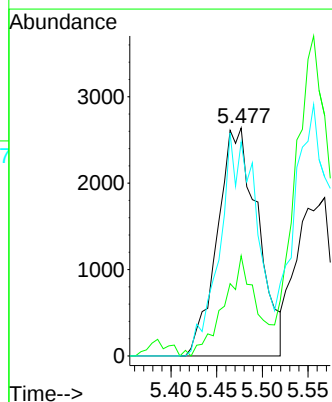
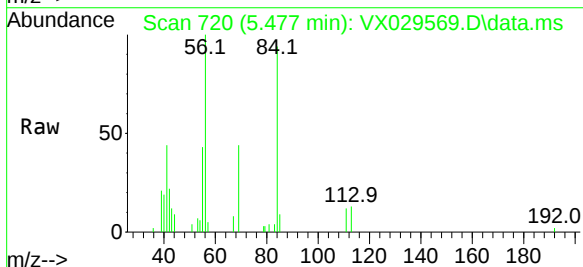
Tgt Ion: 56 Resp: 8143

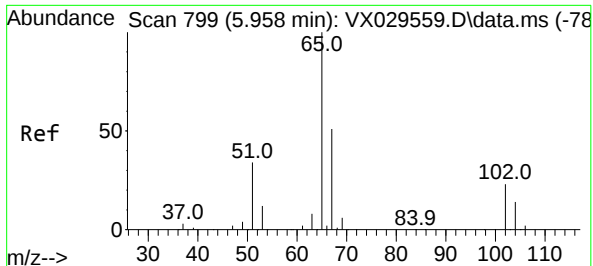
Ion Ratio Lower Upper

56 100

69 43.9 26.7 40.1#

84 93.9 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 43.683 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

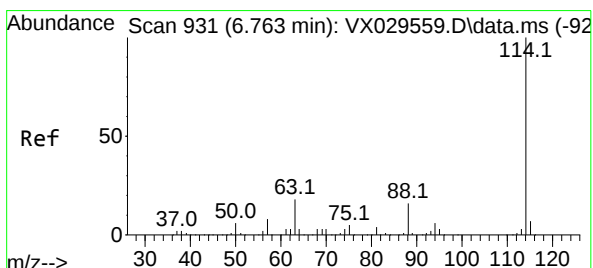
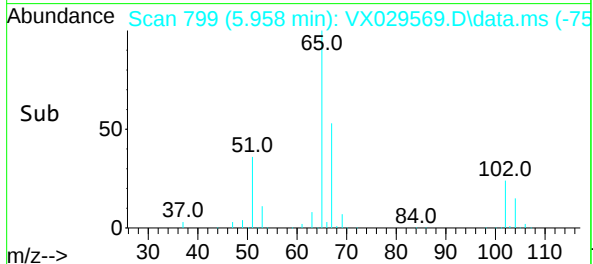
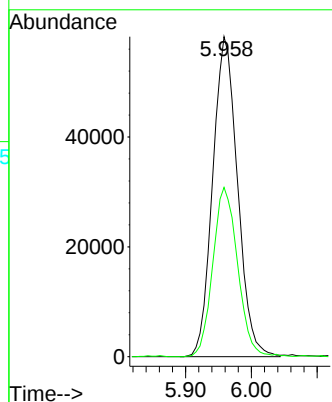
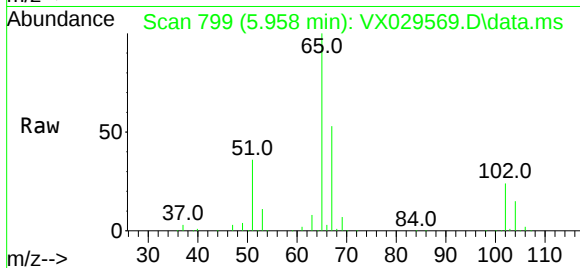
MW-4

Tgt Ion: 65 Resp: 153320

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

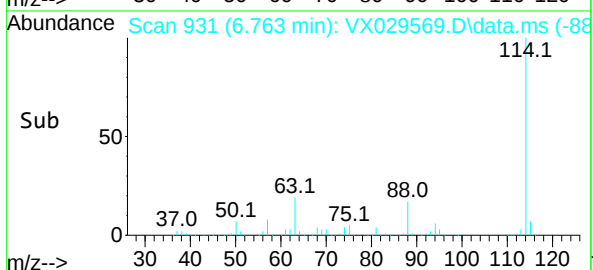
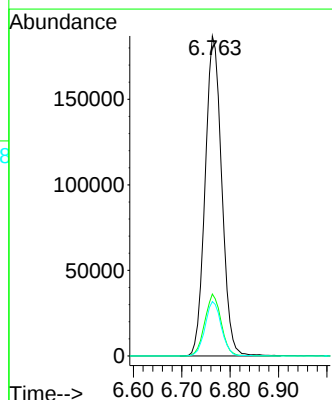
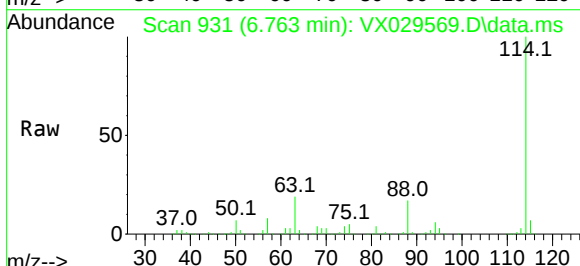
Tgt Ion: 114 Resp: 445450

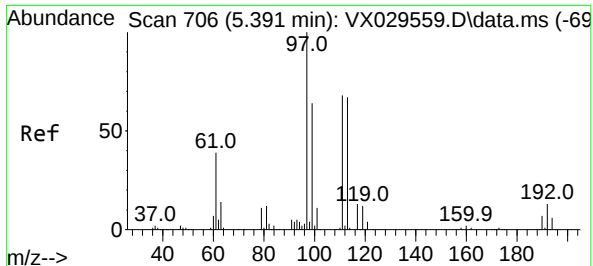
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 17.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.522 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

MW-4

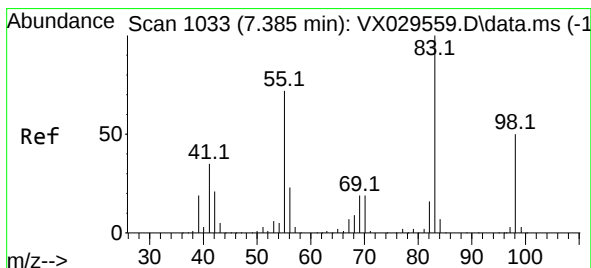
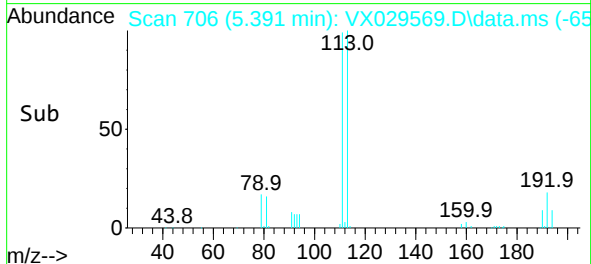
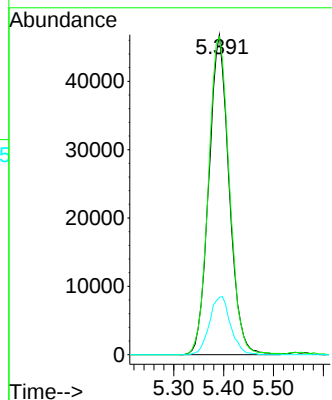
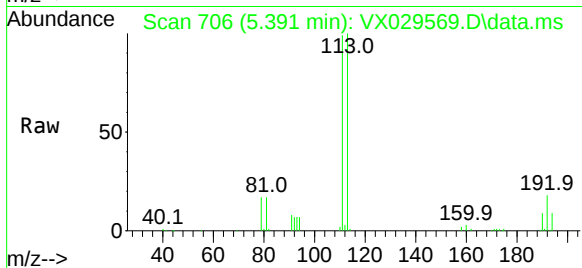
Tgt Ion:113 Resp: 132147

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 18.9 16.9 25.3



#39

Methylcyclohexane

Concen: 1.046 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.012 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

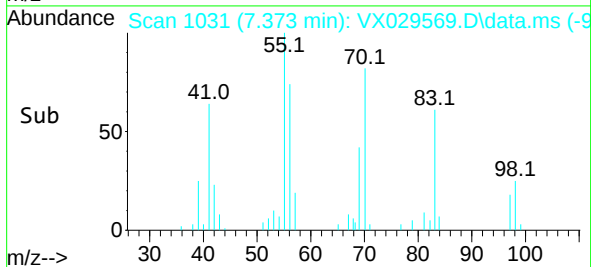
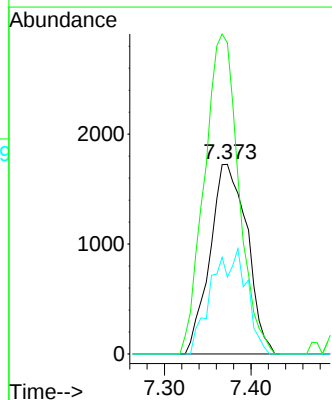
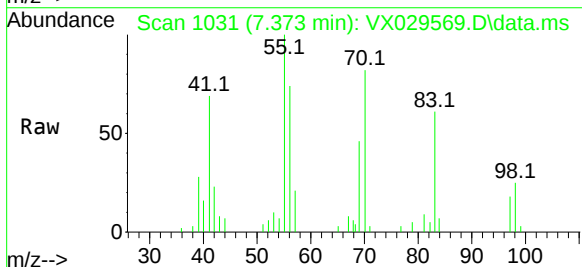
Tgt Ion: 83 Resp: 5125

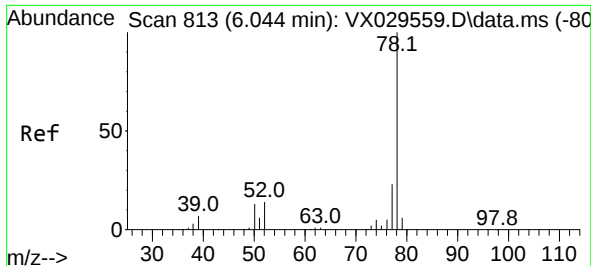
Ion Ratio Lower Upper

83 100

55 164.0 54.6 81.8#

98 40.5 37.4 56.2





#40

Benzene

Concen: 1.548 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

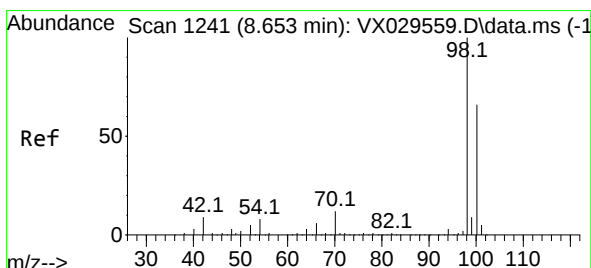
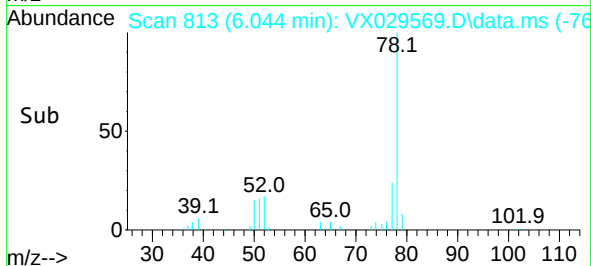
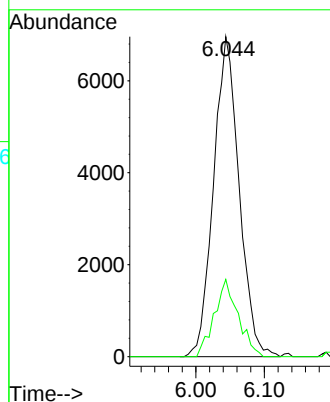
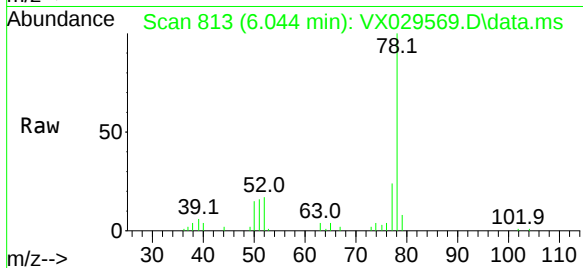
MW-4

Tgt Ion: 78 Resp: 18032

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



#50

Toluene-d8

Concen: 47.757 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029569.D

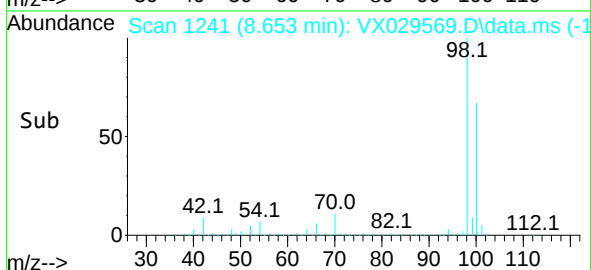
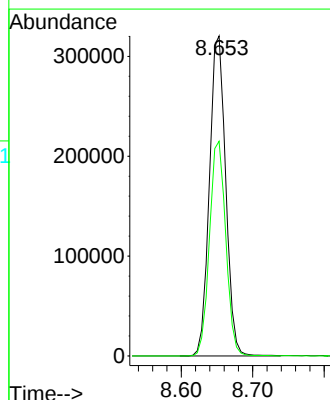
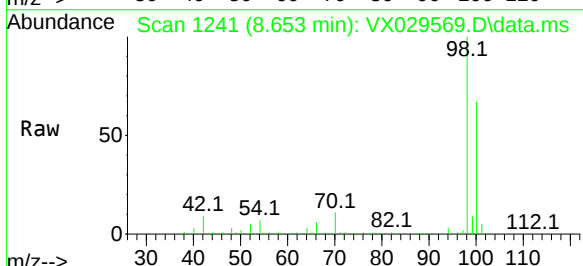
Acq: 18 Jun 2022 15:03

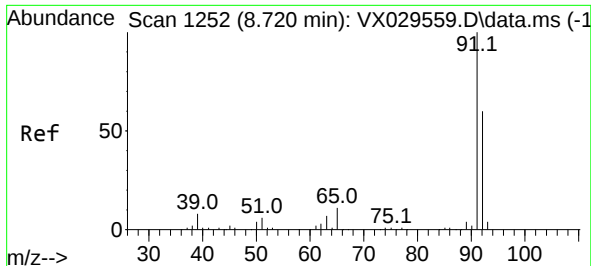
Tgt Ion: 98 Resp: 506460

Ion Ratio Lower Upper

98 100

100 67.1 52.6 78.8

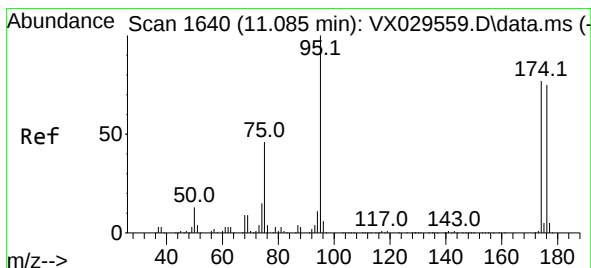
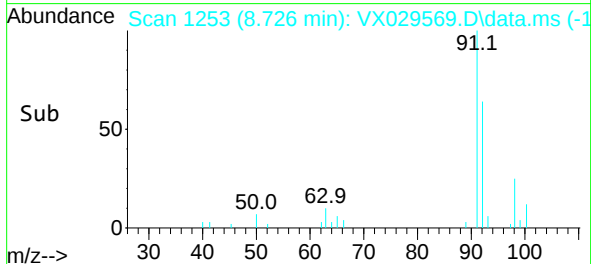
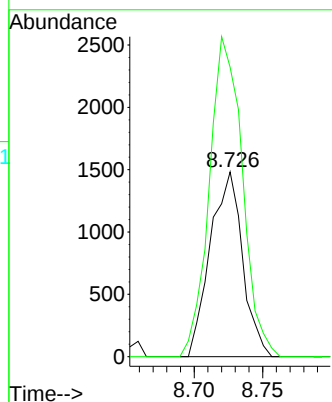
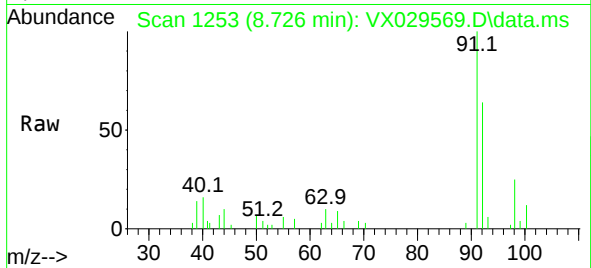




#52
Toluene
Concen: 0.325 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

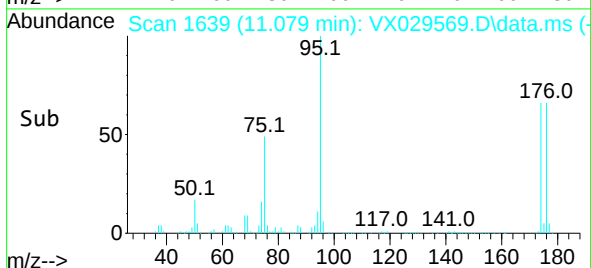
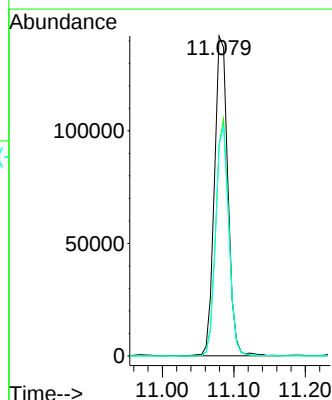
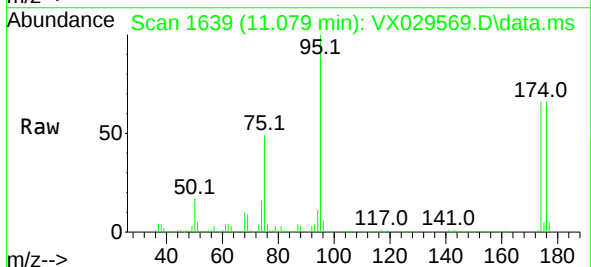
Instrument :
MSVOA_X
ClientSampleId :
MW-4

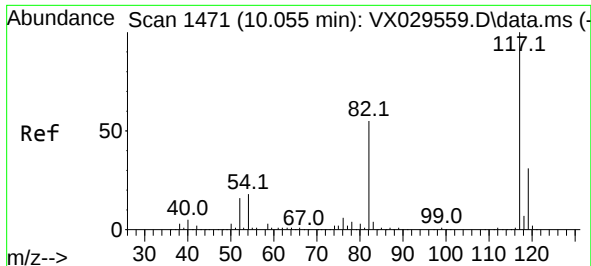
Tgt Ion: 92 Resp: 2426
Ion Ratio Lower Upper
92 100
91 177.3 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 46.434 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

Tgt Ion: 95 Resp: 185701
Ion Ratio Lower Upper
95 100
174 71.7 0.0 163.0
176 70.3 0.0 155.0

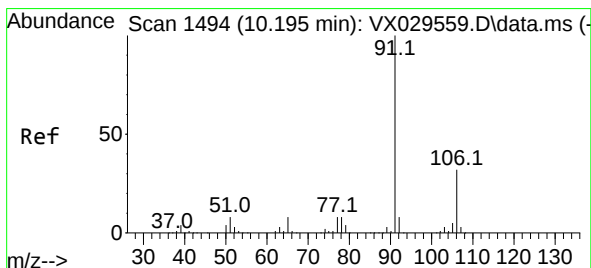
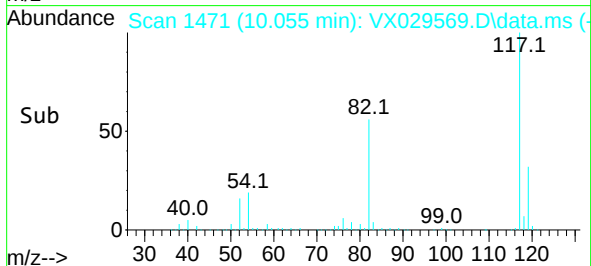
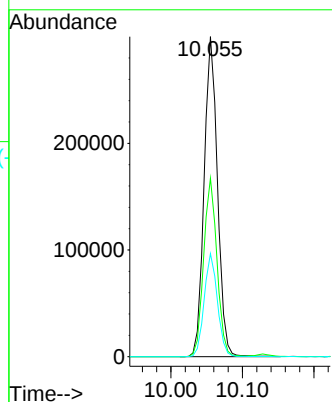
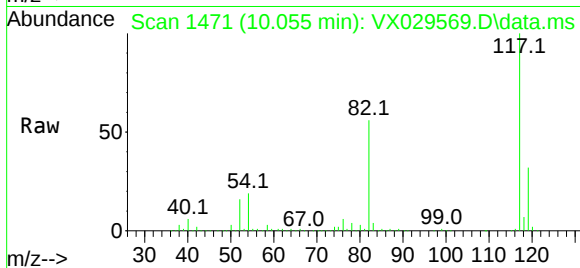




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

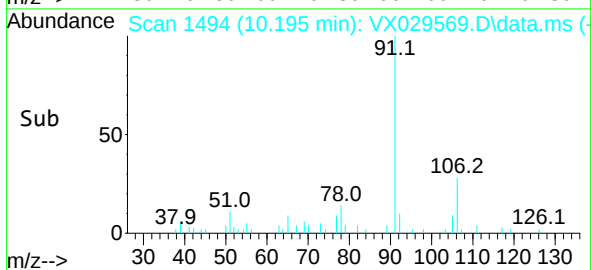
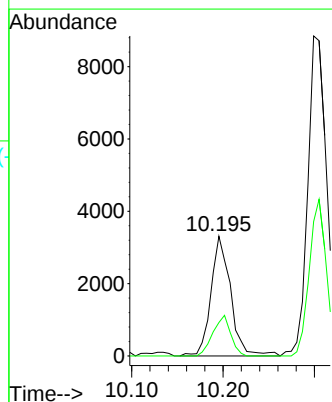
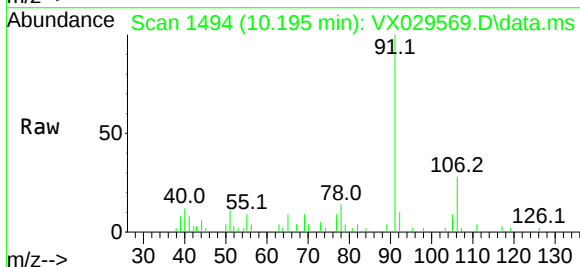
Instrument :
MSVOA_X
ClientSampleId :
MW-4

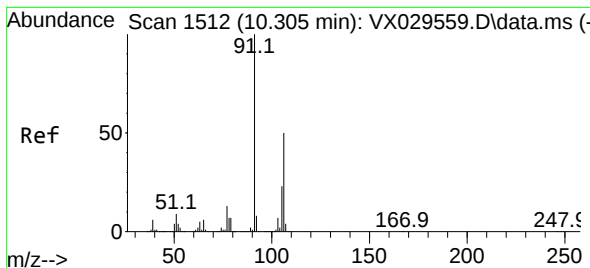
Tgt Ion:117 Resp: 389312
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 32.2 24.8 37.2



#67
Ethyl Benzene
Concen: 0.361 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029569.D
Acq: 18 Jun 2022 15:03

Tgt Ion: 91 Resp: 4962
Ion Ratio Lower Upper
91 100
106 28.0 24.6 36.8





#68

m/p-Xylenes

Concen: 1.080 ug/l

RT: 10.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

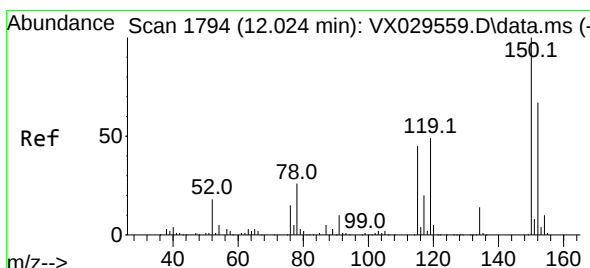
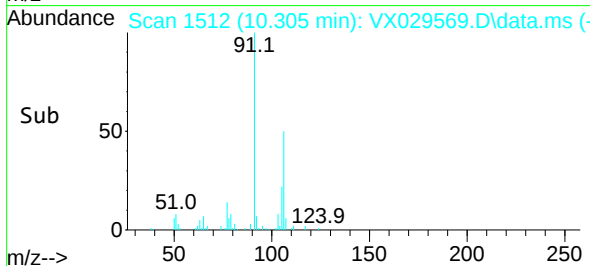
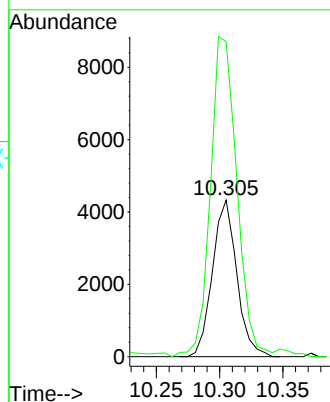
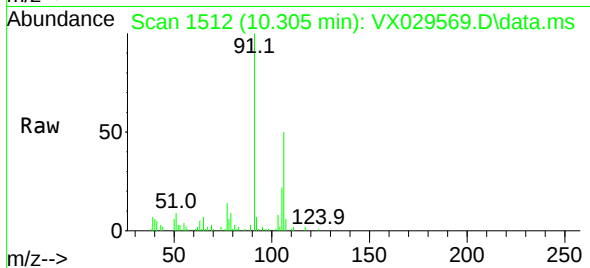
MW-4

Tgt Ion:106 Resp: 5786

Ion Ratio Lower Upper

106 100

91 221.9 160.4 240.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

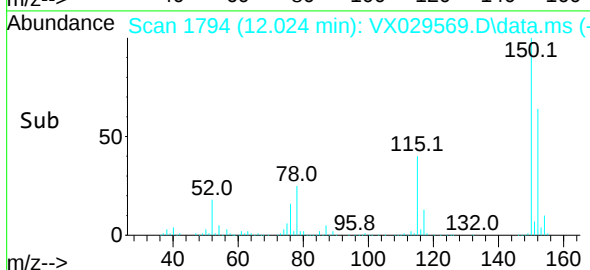
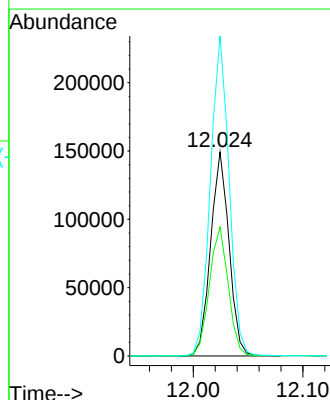
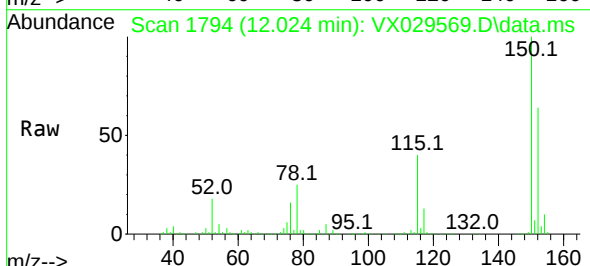
Tgt Ion:152 Resp: 174090

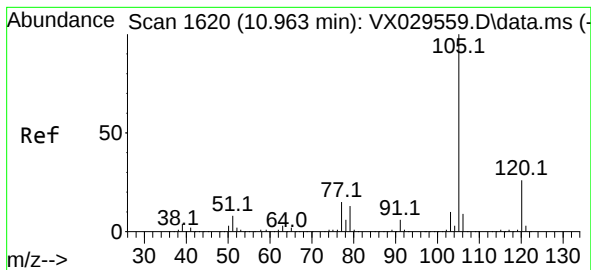
Ion Ratio Lower Upper

152 100

115 64.9 37.5 112.7

150 159.7 0.0 338.2





#73

Isopropylbenzene

Concen: 2.823 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX029569.D

Acq: 18 Jun 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

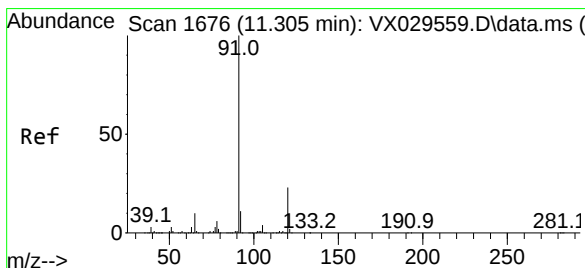
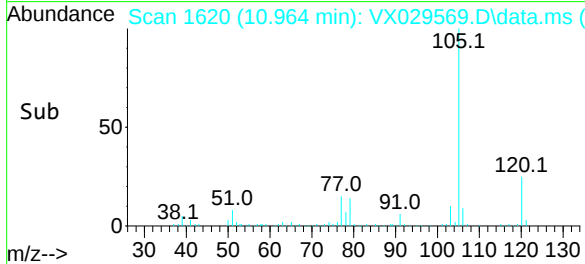
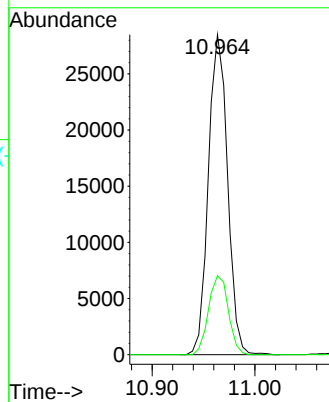
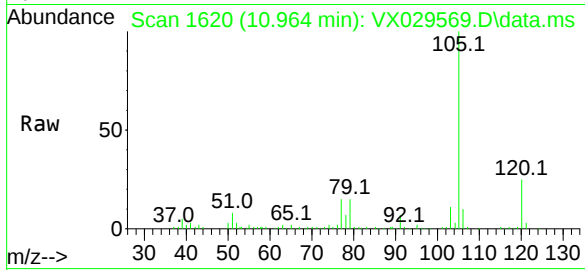
MW-4

Tgt Ion:105 Resp: 36853

Ion Ratio Lower Upper

105 100

120 25.5 13.5 40.5



#78

n-propylbenzene

Concen: 3.405 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX029569.D

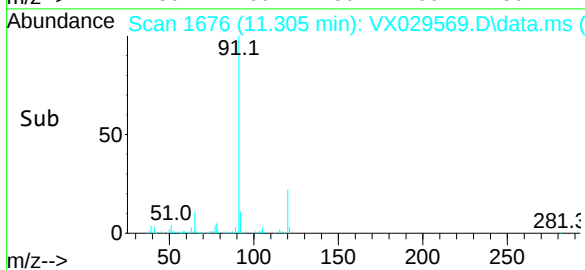
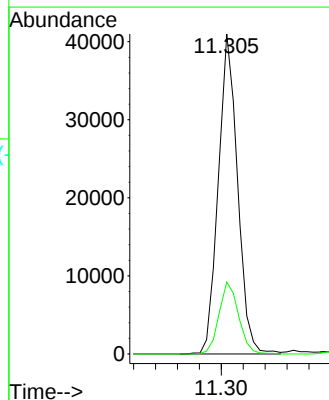
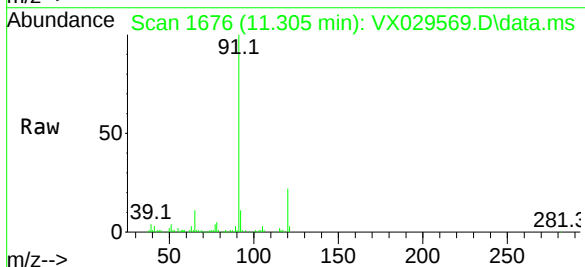
Acq: 18 Jun 2022 15:03

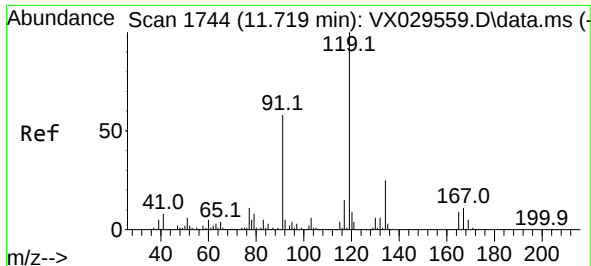
Tgt Ion: 91 Resp: 50063

Ion Ratio Lower Upper

91 100

120 22.9 11.6 34.8

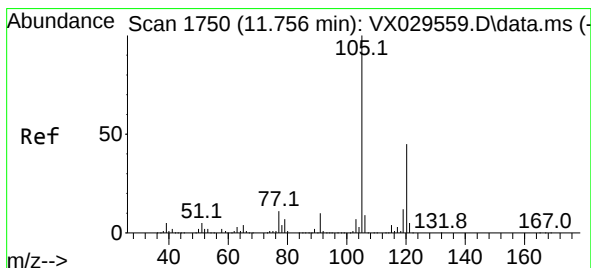
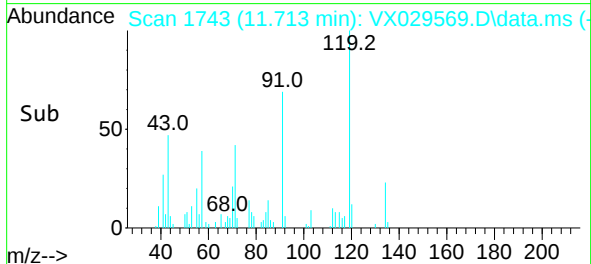
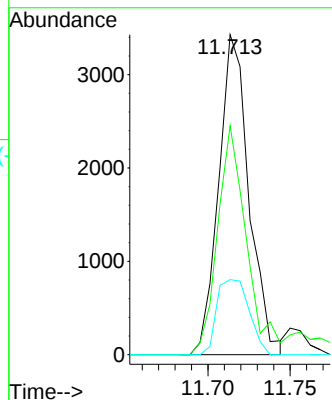
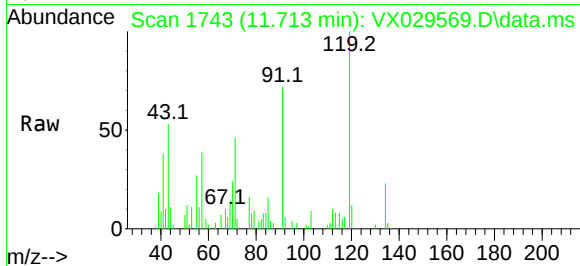




#83
 tert-Butylbenzene
 Concen: 0.410 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX029569.D
 Acq: 18 Jun 2022 15:03

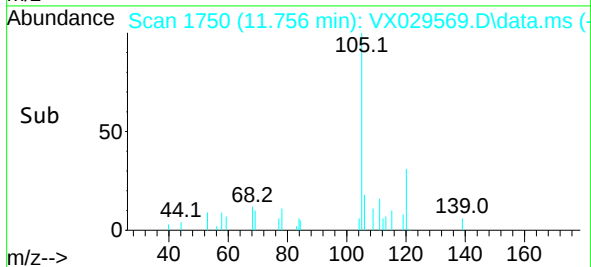
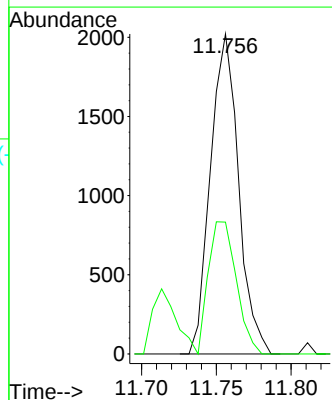
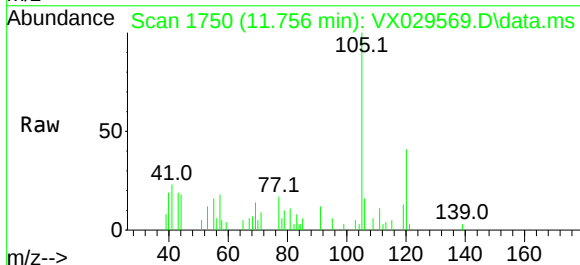
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

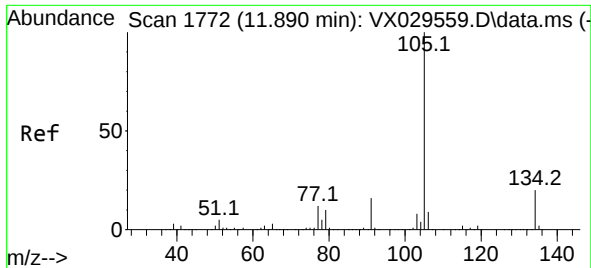
Tgt Ion:	119	Resp:	4395
Ion	Ratio	Lower	Upper
119	100		
91	69.5	26.9	80.6
134	25.0	11.4	34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 0.241 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: VX029569.D
 Acq: 18 Jun 2022 15:03

Tgt Ion:	105	Resp:	2638
Ion	Ratio	Lower	Upper
105	100		
120	41.1	22.6	67.8





#85
 sec-Butylbenzene
 Concen: 1.234 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029569.D
 Acq: 18 Jun 2022 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tgt Ion:105 Resp: 16392
 Ion Ratio Lower Upper
 105 100
 134 33.2 10.2 30.4#

