

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031986.D
 Acq On : 08 Oct 2022 02:19
 Operator : JC/MD
 Sample : N4937-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-116D

Quant Time: Oct 08 06:35:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

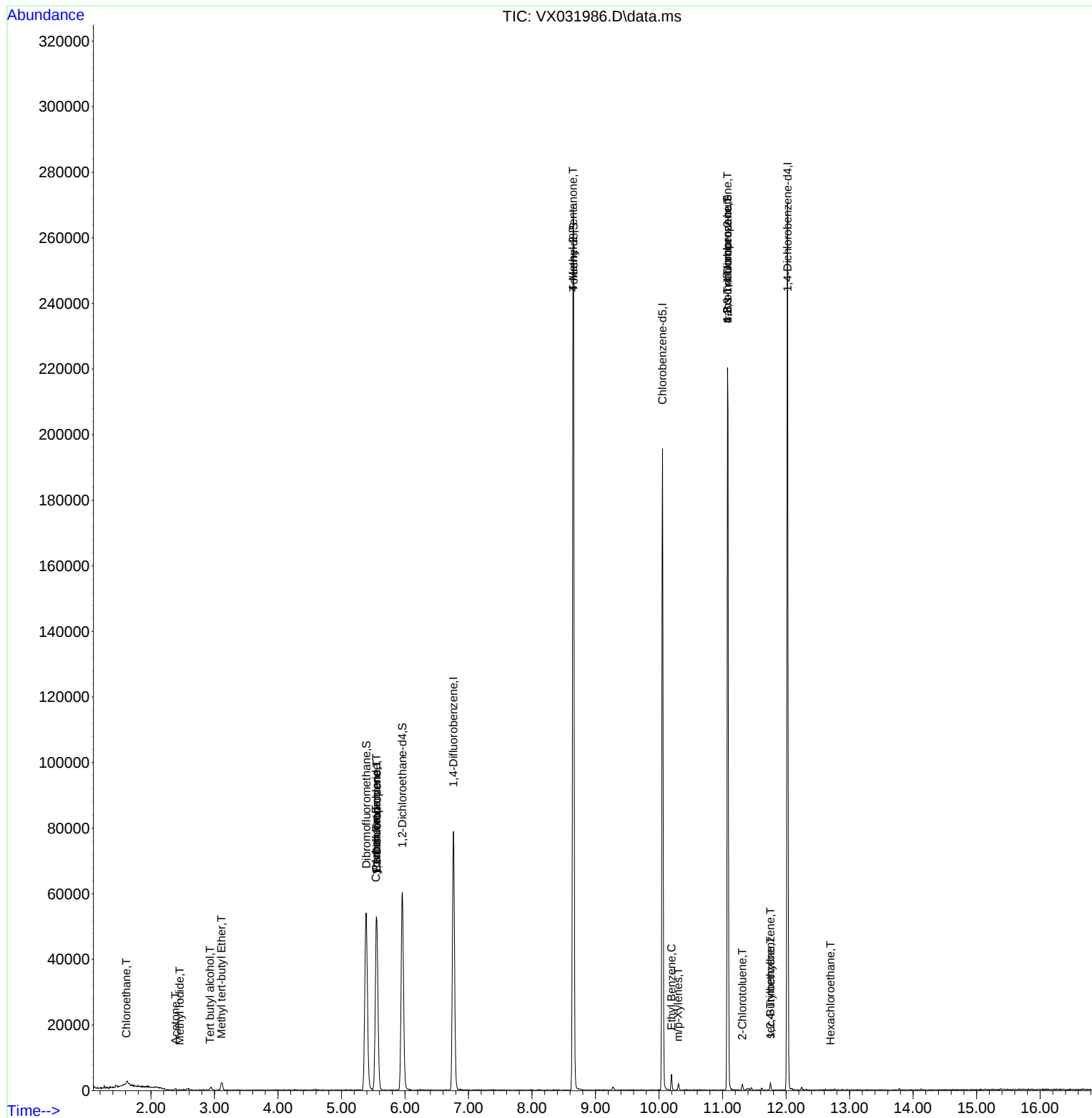
Internal Standards						
1) Pentafluorobenzene	5.550	168	51092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	82116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	87653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57151	54.163	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.320%			
35) Dibromofluoromethane	5.391	113	46538	50.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.140%			
50) Toluene-d8	8.653	98	165465	49.471	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	56704	47.955	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.920%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	245	Below Cal	#	76
6) Chloroethane	1.611	64	719	0.908	ug/l #	43
10) Methyl Iodide	2.453	142	53	2.813	ug/l #	38
11) Tert butyl alcohol	2.928	59	616	4.692	ug/l #	73
16) Acetone	2.386	43	544	1.517	ug/l #	81
19) Methyl tert-butyl Ether	3.111	73	2513	0.962	ug/l #	88
31) Cyclohexane	5.544	56	1238	0.982	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	4190	3.399	ug/l #	47
38) Carbon Tetrachloride	5.550	117	5631	4.468	ug/l #	13
51) 4-Methyl-2-Pentanone	8.647	43	829	0.711	ug/l #	1
67) Ethyl Benzene	10.195	91	2716	0.604	ug/l	89
68) m/p-Xylenes	10.299	106	507	0.284	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	30216	27.292	ug/l #	37
79) 2-Chlorotoluene	11.311	91	628	0.225	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	30216	93.479	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.756	105	1179	0.343	ug/l	99
85) sec-Butylbenzene	11.756	105	1179	0.285	ug/l #	56
90) Hexachloroethane	12.701	117	136	1.547	ug/l #	15

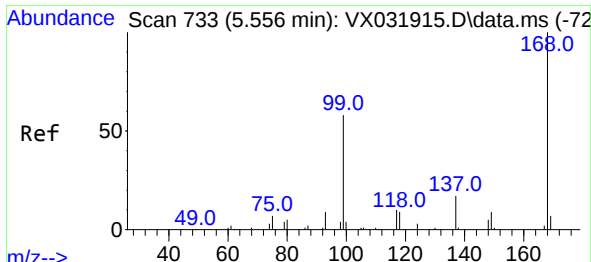
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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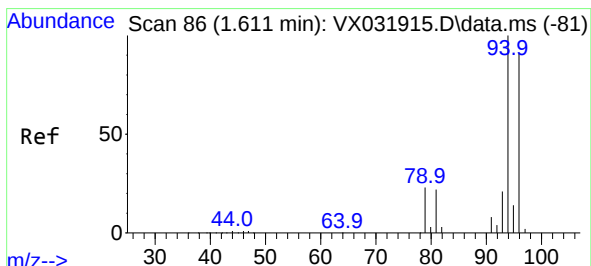
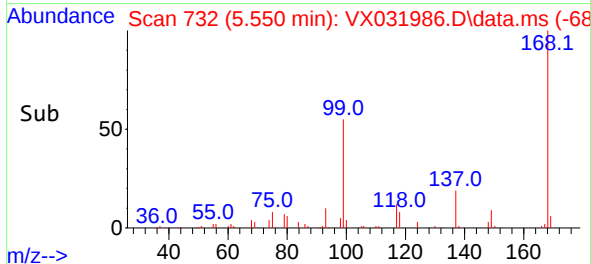
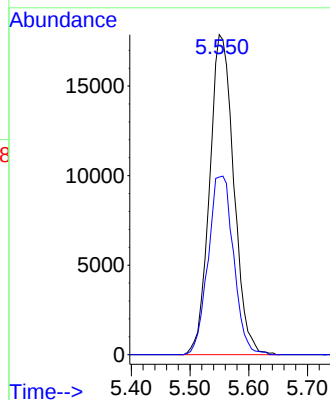
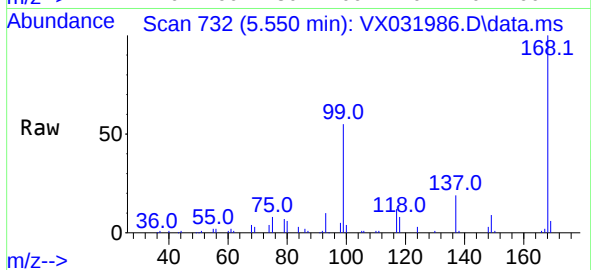




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

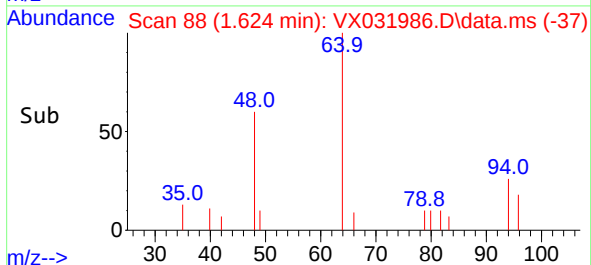
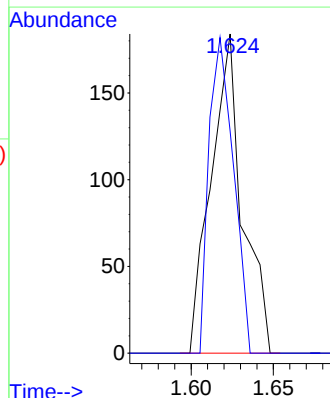
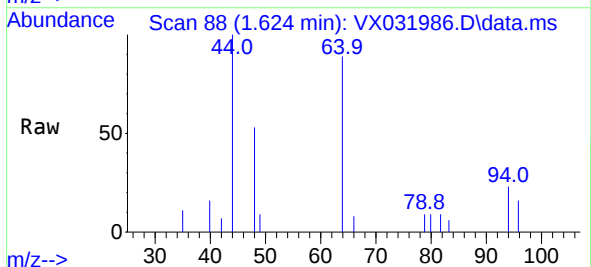
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

Tgt Ion:168 Resp: 51092
Ion Ratio Lower Upper
168 100
99 55.5 48.8 73.2

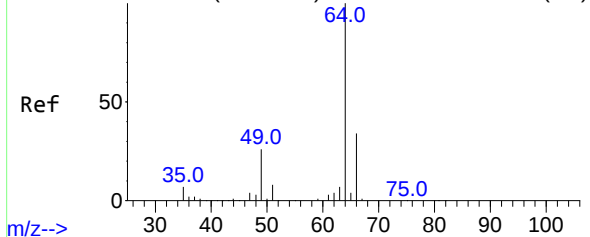


#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.013 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 69.6 74.4 111.6#



Abundance Scan 98 (1.684 min): VX031915.D\data.ms (-90)



#6

Chloroethane

Concen: 0.908 ug/l

RT: 1.611 min Scan# 8

Delta R.T. -0.073 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

Instrument :

MSVOA_X

ClientSampleId :

MW-116D

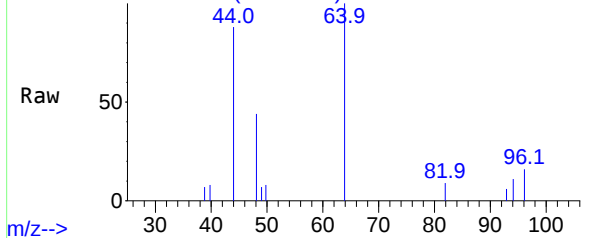
Tgt Ion: 64 Resp: 719

Ion Ratio Lower Upper

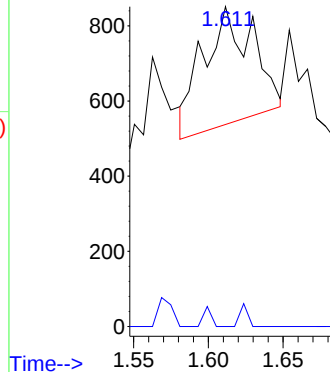
64 100

66 0.0 25.0 37.4#

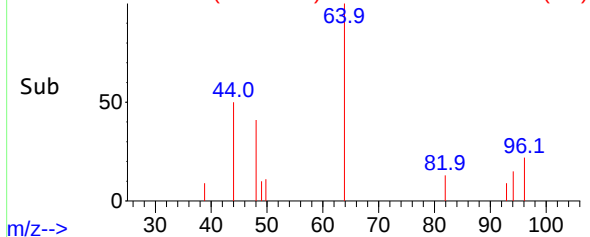
Abundance Scan 86 (1.611 min): VX031986.D\data.ms



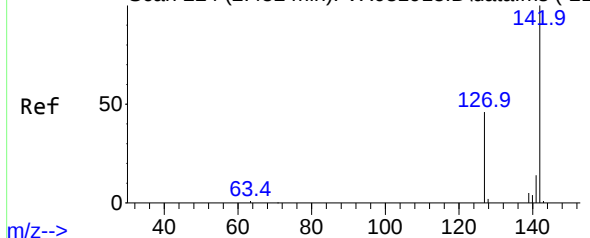
Abundance



Abundance Scan 86 (1.611 min): VX031986.D\data.ms (-49)



Abundance Scan 224 (2.452 min): VX031915.D\data.ms (-21)



#10

Methyl Iodide

Concen: 2.813 ug/l

RT: 2.453 min Scan# 224

Delta R.T. 0.001 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

Tgt Ion: 142 Resp: 53

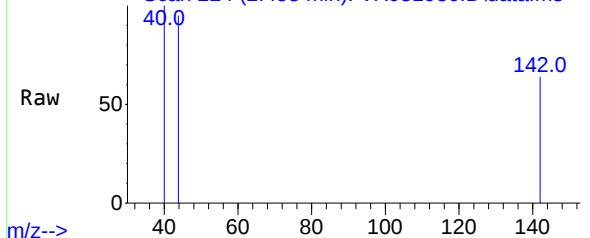
Ion Ratio Lower Upper

142 100

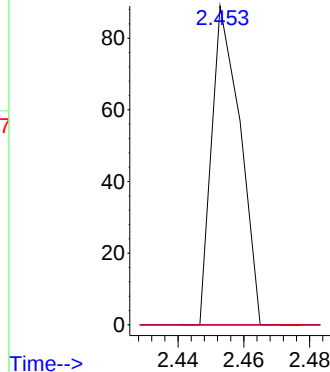
127 0.0 37.4 56.0#

141 0.0 11.6 17.4#

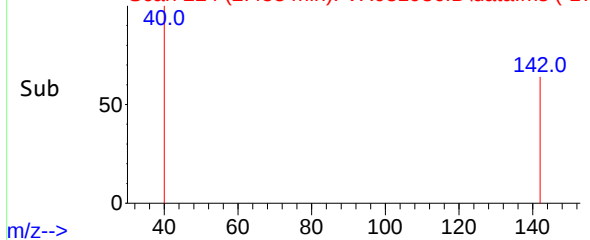
Abundance Scan 224 (2.453 min): VX031986.D\data.ms

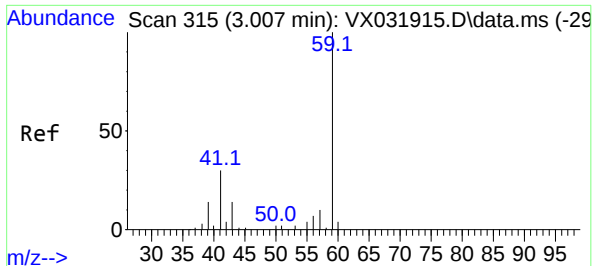


Abundance



Abundance Scan 224 (2.453 min): VX031986.D\data.ms (-17)





#11

Tert butyl alcohol

Concen: 4.692 ug/l

RT: 2.928 min Scan# 30

Delta R.T. -0.079 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

Instrument :

MSVOA_X

ClientSampleId :

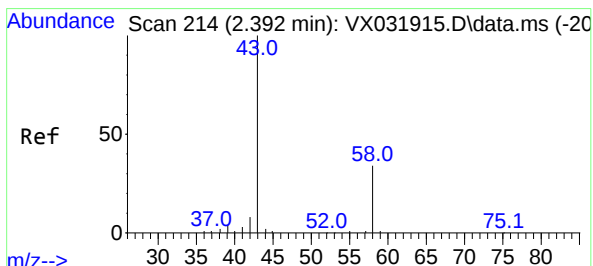
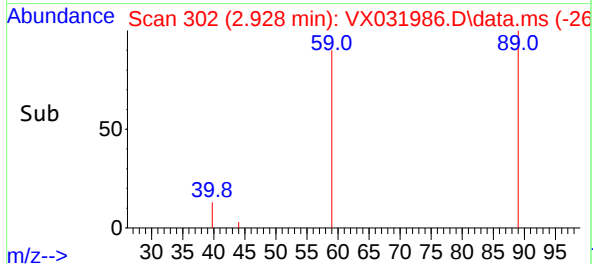
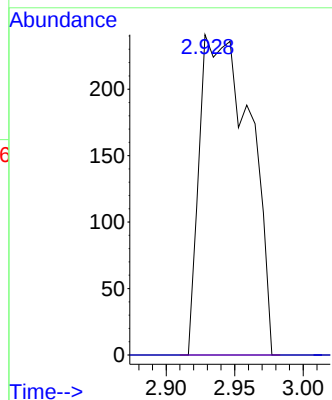
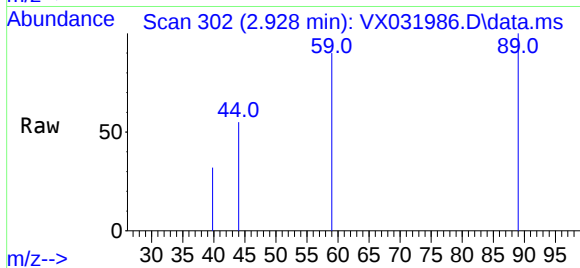
MW-116D

Tgt Ion: 59 Resp: 616

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 1.517 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX031986.D

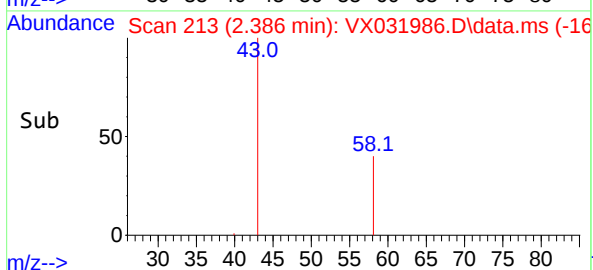
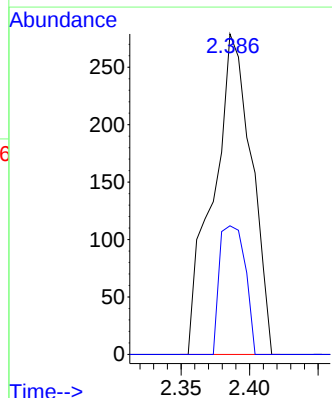
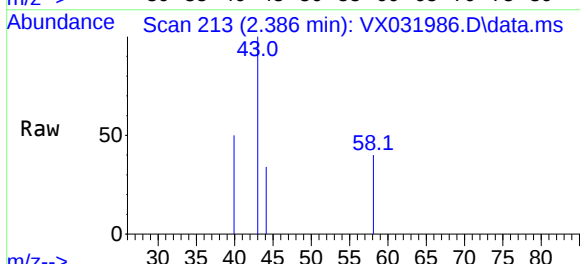
Acq: 08 Oct 2022 02:19

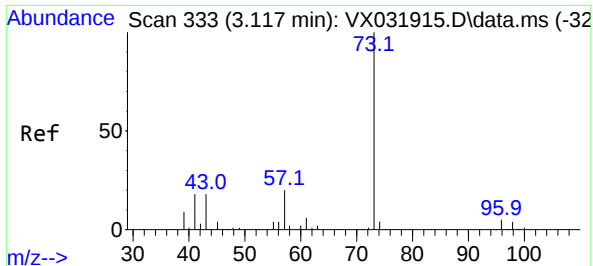
Tgt Ion: 43 Resp: 544

Ion Ratio Lower Upper

43 100

58 40.1 23.8 35.8#





#19

Methyl tert-butyl Ether

Concen: 0.962 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

Instrument :

MSVOA_X

ClientSampleId :

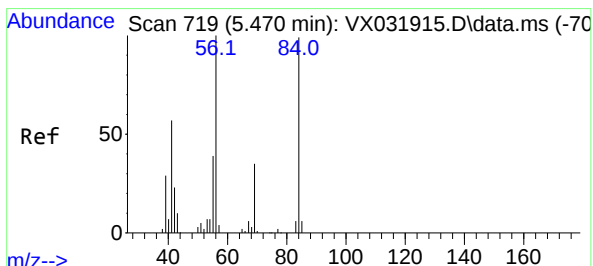
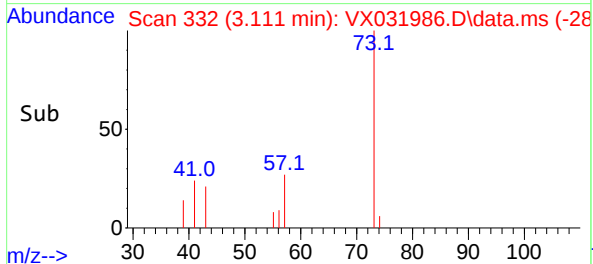
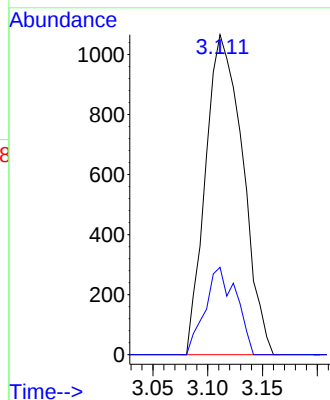
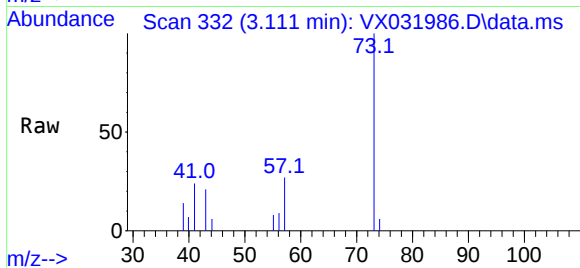
MW-116D

Tgt Ion: 73 Resp: 2513

Ion Ratio Lower Upper

73 100

57 27.3 17.2 25.8#



#31

Cyclohexane

Concen: 0.982 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

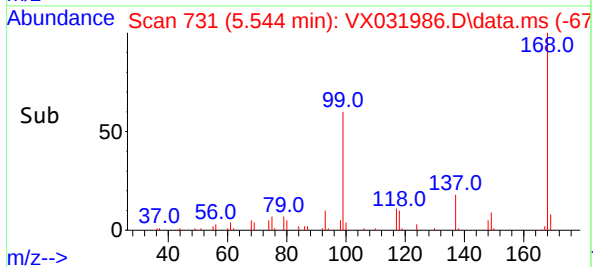
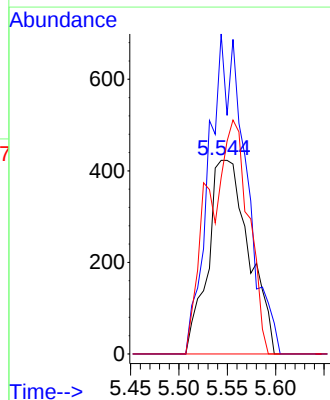
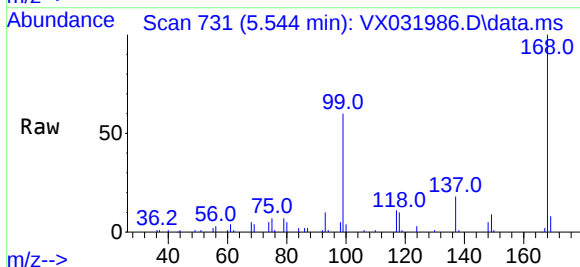
Tgt Ion: 56 Resp: 1238

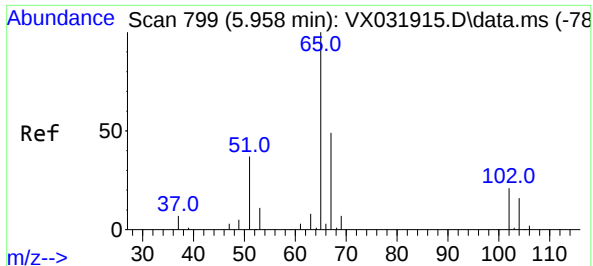
Ion Ratio Lower Upper

56 100

69 165.2 25.1 37.7#

84 91.0 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 54.163 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

Instrument :

MSVOA_X

ClientSampleId :

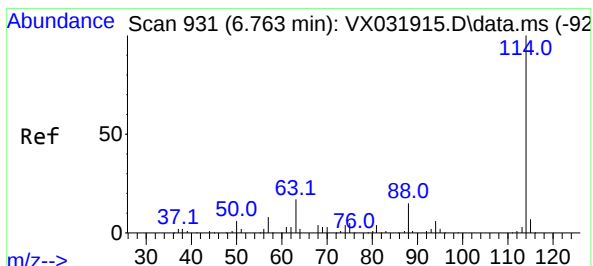
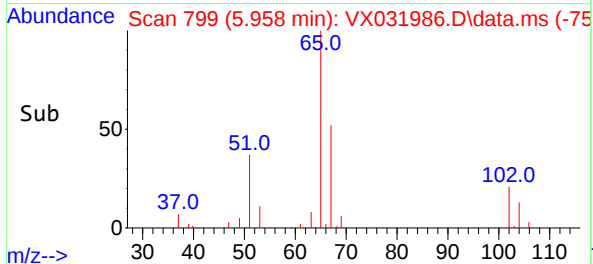
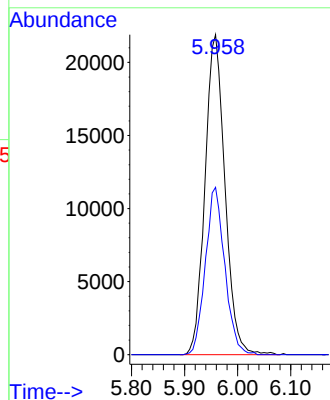
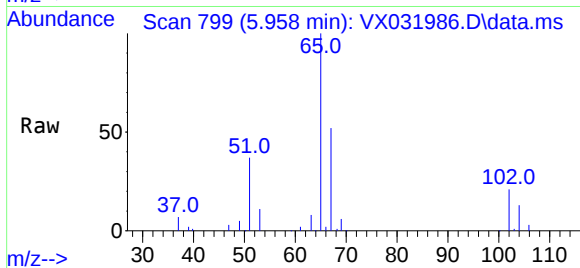
MW-116D

Tgt Ion: 65 Resp: 57151

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

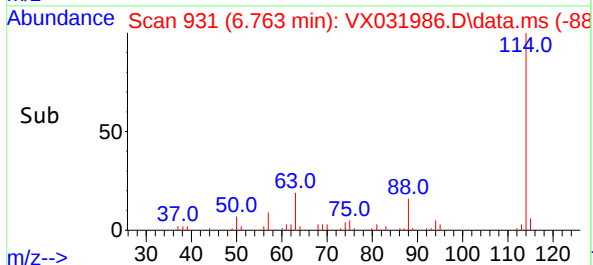
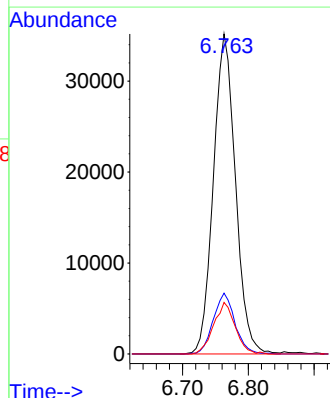
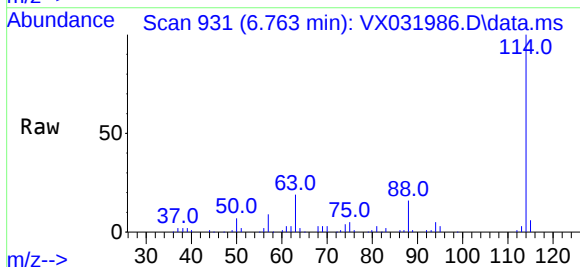
Tgt Ion: 114 Resp: 82116

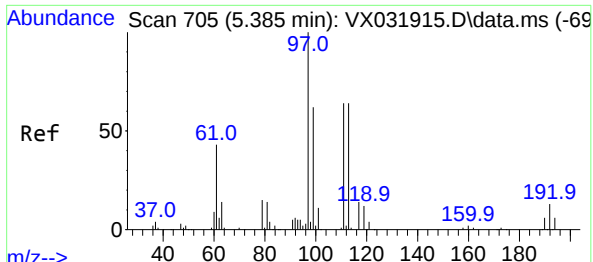
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.067 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

Instrument :

MSVOA_X

ClientSampleId :

MW-116D

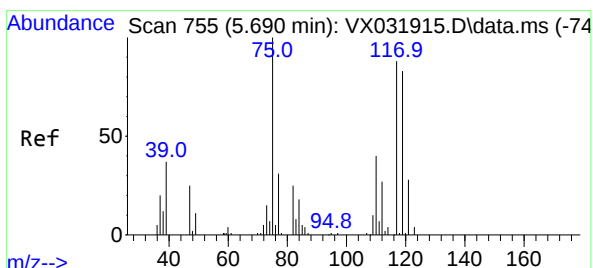
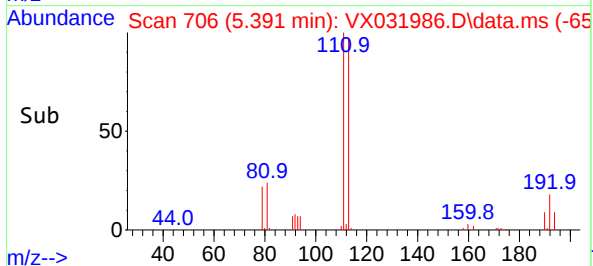
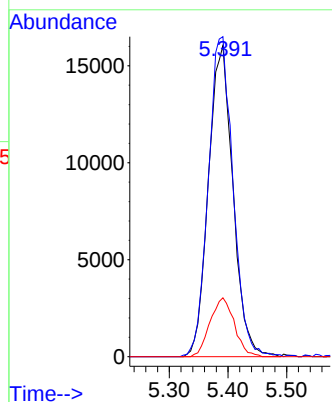
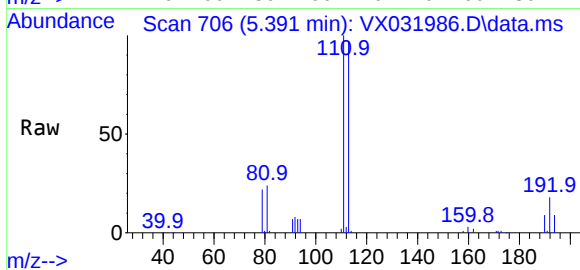
Tgt Ion:113 Resp: 46538

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 18.8 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.399 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

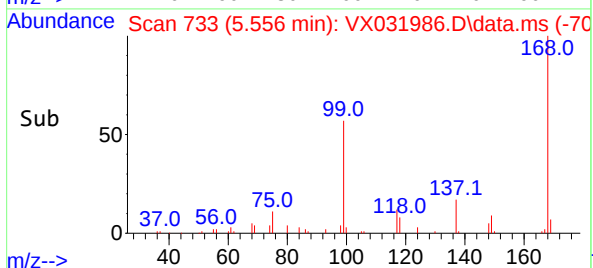
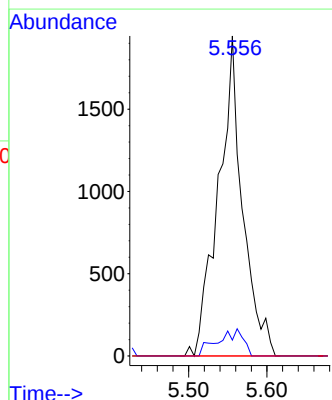
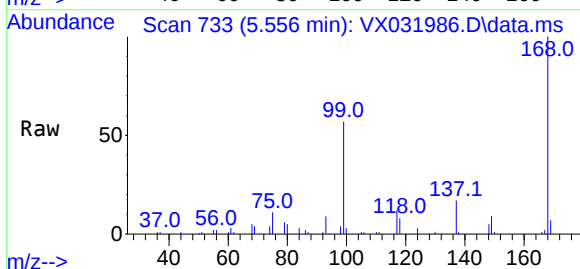
Tgt Ion: 75 Resp: 4190

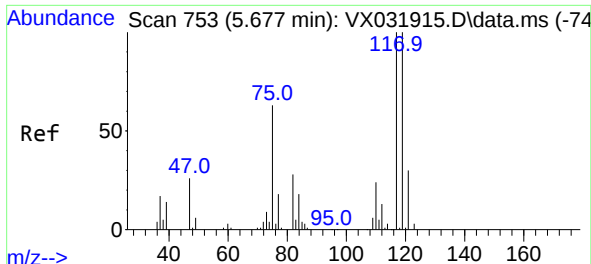
Ion Ratio Lower Upper

75 100

110 5.8 17.5 52.5#

77 0.0 24.9 37.3#

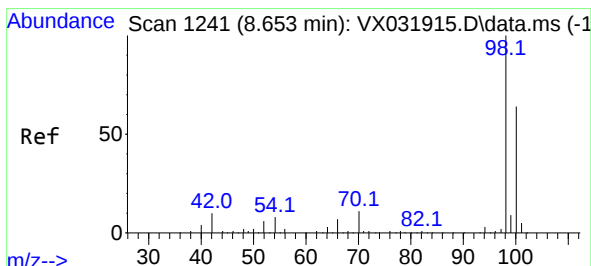
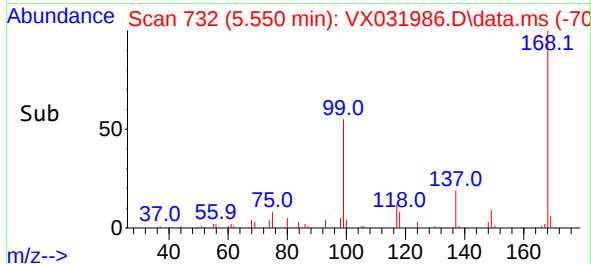
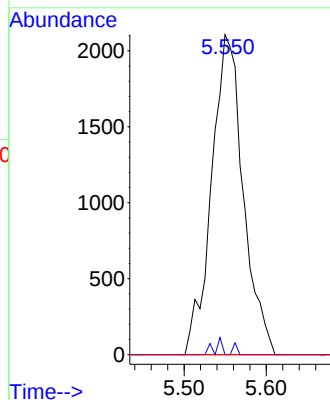
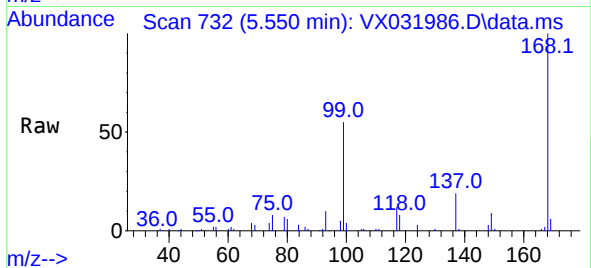




#38
Carbon Tetrachloride
Concen: 4.468 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

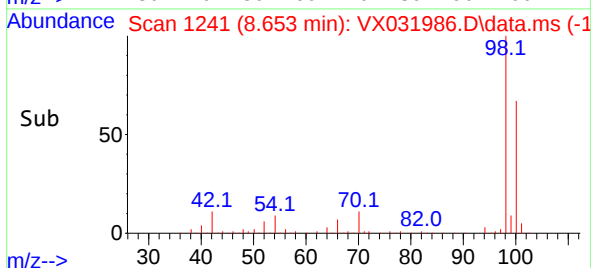
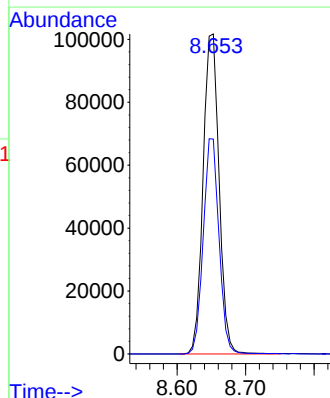
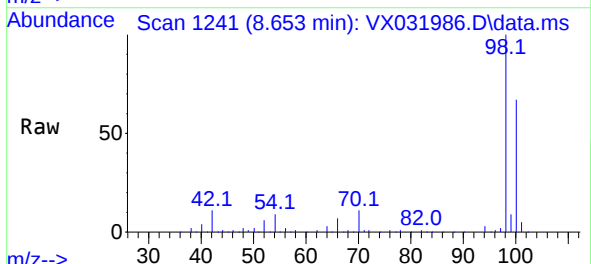
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

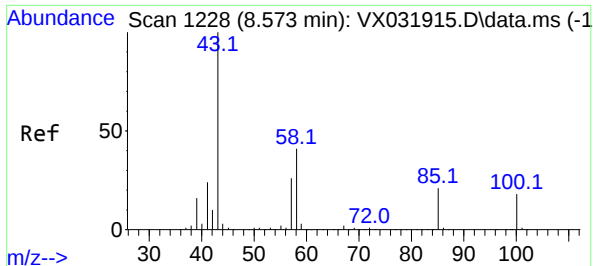
Tgt Ion:117 Resp: 5631
Ion Ratio Lower Upper
117 100
119 0.0 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.471 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Tgt Ion: 98 Resp: 165465
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.711 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

Instrument :

MSVOA_X

ClientSampleId :

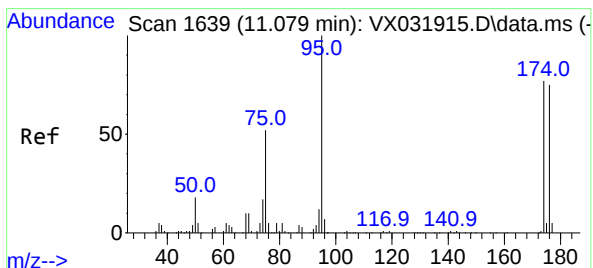
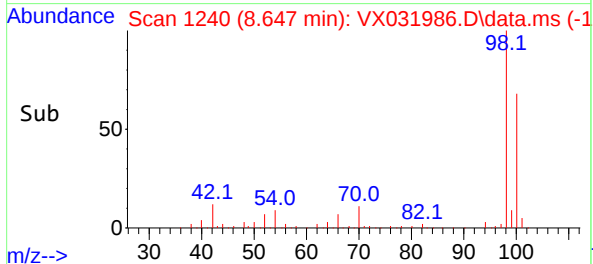
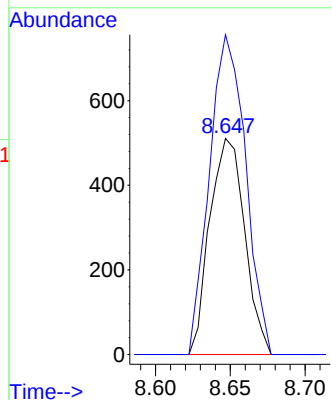
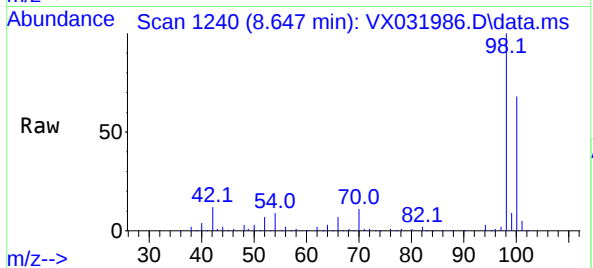
MW-116D

Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

43 100

58 153.6 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 47.955 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031986.D

Acq: 08 Oct 2022 02:19

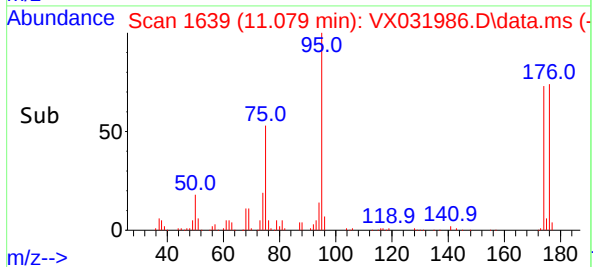
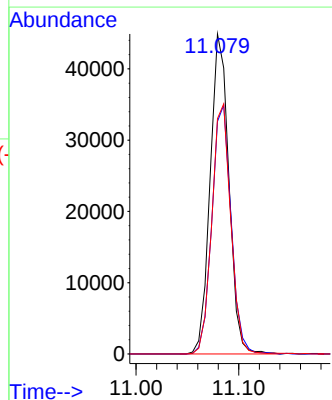
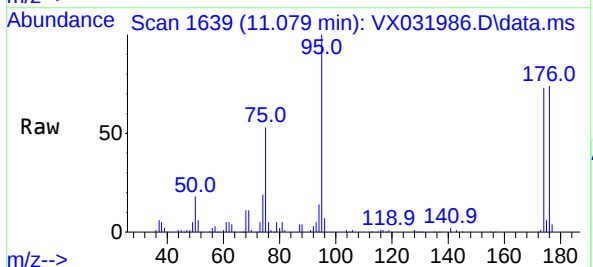
Tgt Ion: 95 Resp: 56704

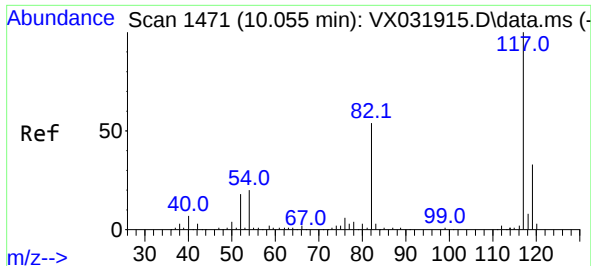
Ion Ratio Lower Upper

95 100

174 79.7 0.0 153.2

176 79.0 0.0 144.0

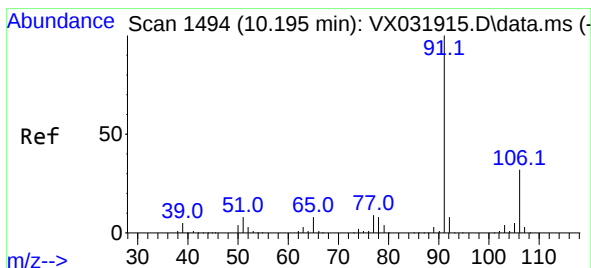
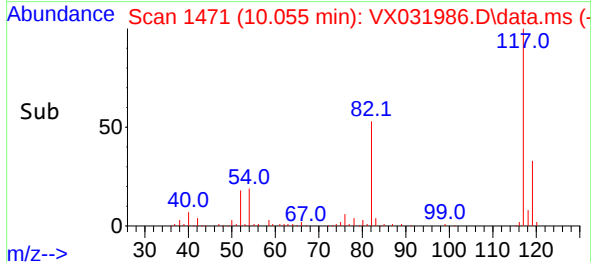
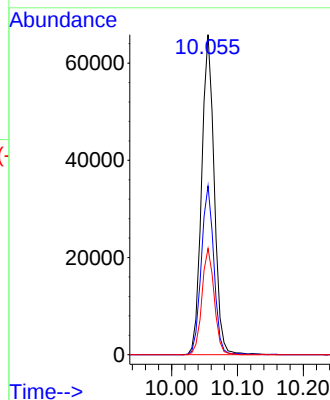
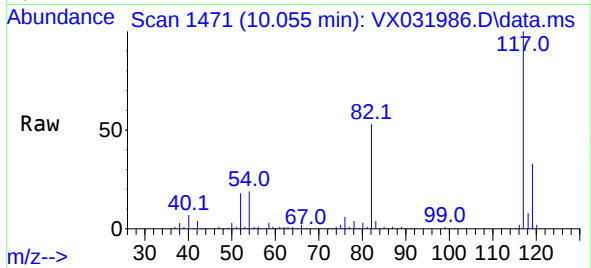




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

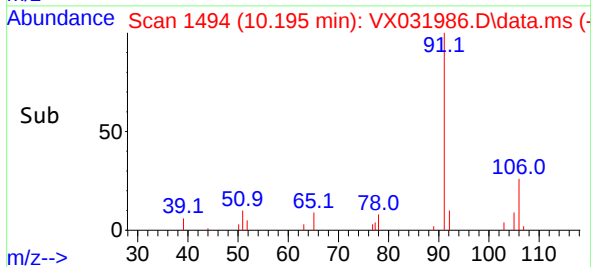
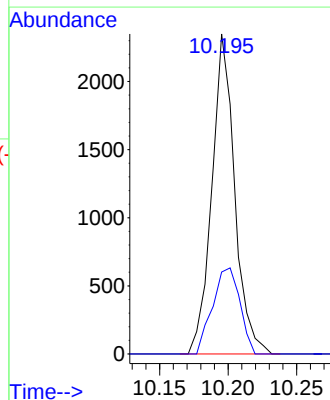
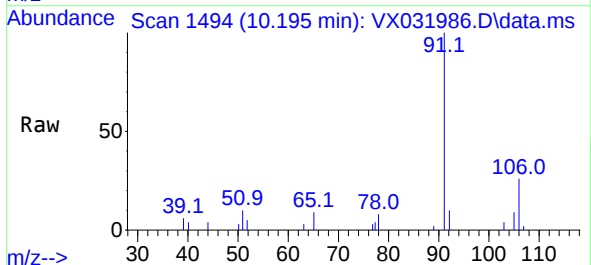
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

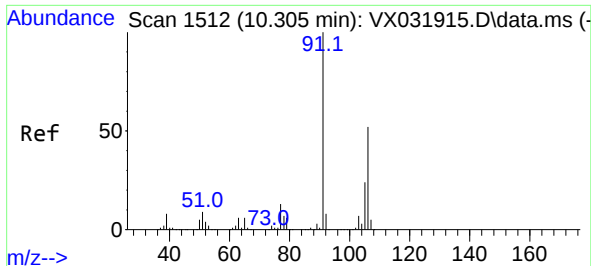
Tgt Ion:117 Resp: 87653
Ion Ratio Lower Upper
117 100
82 52.8 46.8 70.2
119 33.2 26.4 39.6



#67
Ethyl Benzene
Concen: 0.604 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Tgt Ion: 91 Resp: 2716
Ion Ratio Lower Upper
91 100
106 25.6 25.2 37.8

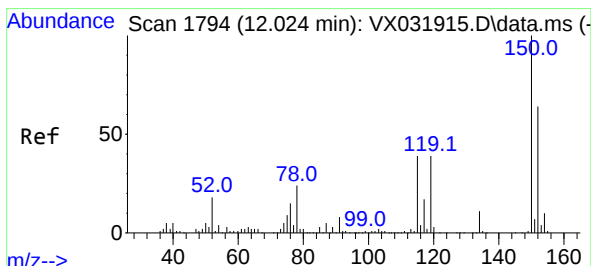
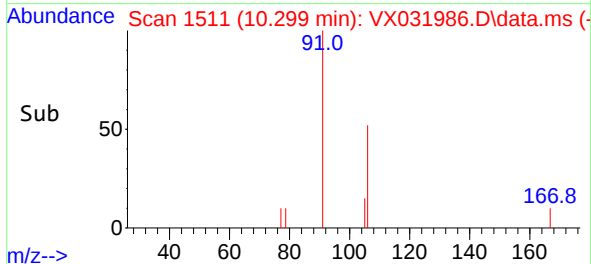
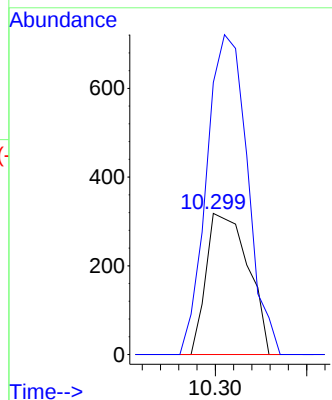
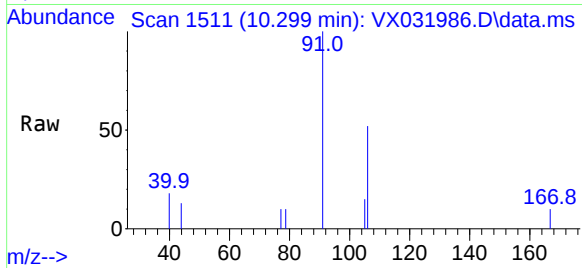




#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

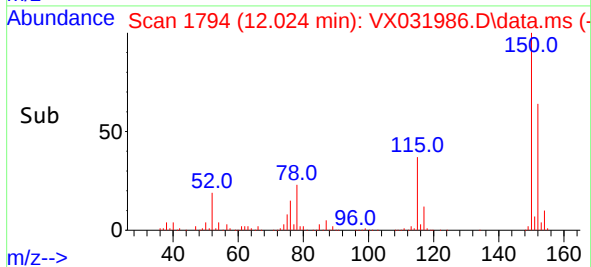
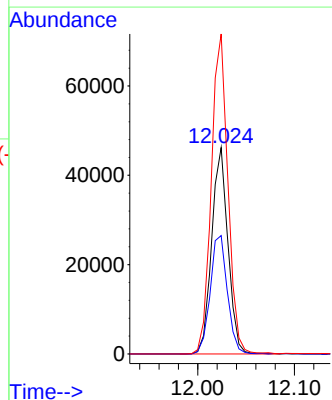
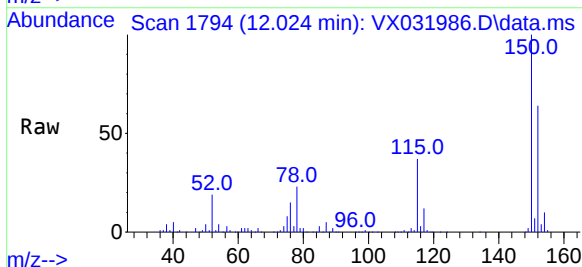
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

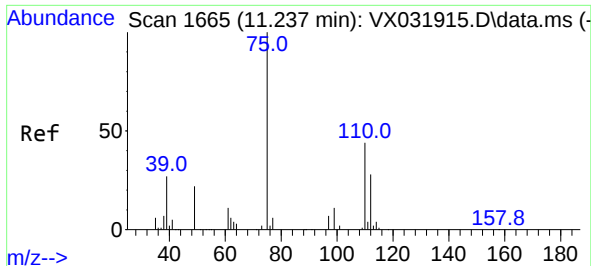
Tgt Ion:106 Resp: 507
Ion Ratio Lower Upper
106 100
91 220.7 161.0 241.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Tgt Ion:152 Resp: 54020
Ion Ratio Lower Upper
152 100
115 60.6 43.4 130.1
150 158.3 0.0 346.8

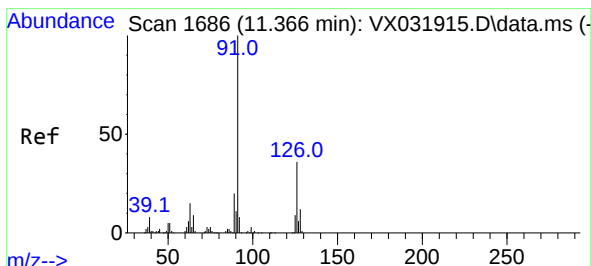
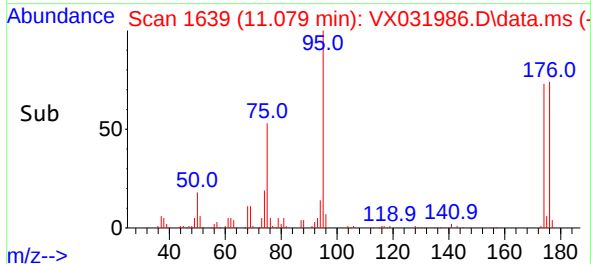
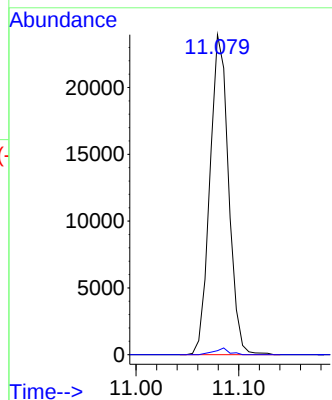
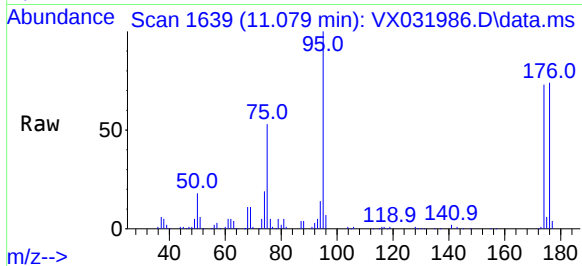




#76
1,2,3-Trichloropropane
Concen: 27.292 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

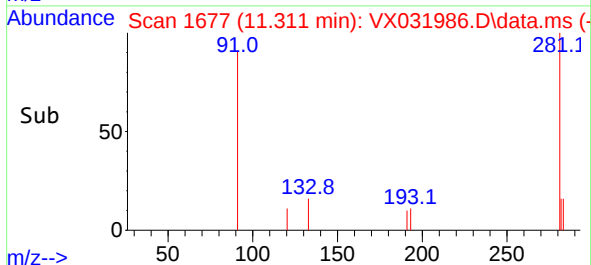
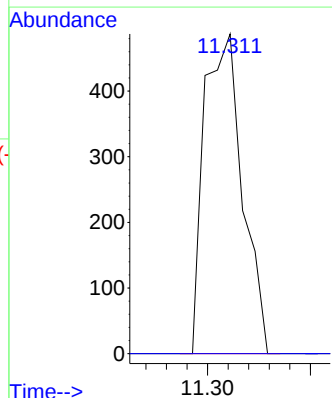
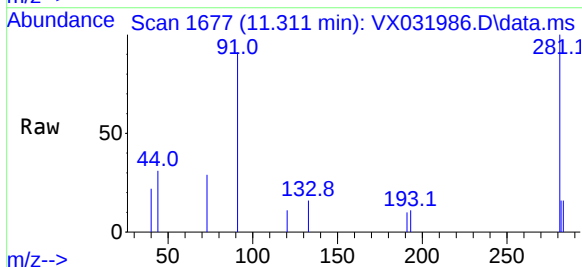
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

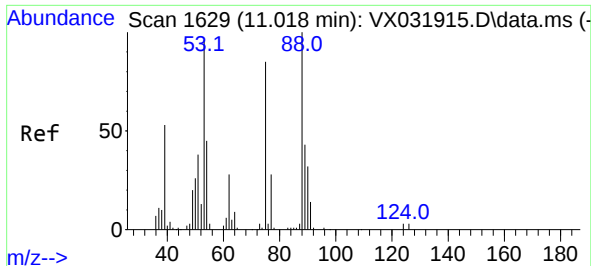
Tgt Ion: 75 Resp: 30216
Ion Ratio Lower Upper
75 100
77 1.6 20.3 60.9#



#79
2-Chlorotoluene
Concen: 0.225 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Tgt Ion: 91 Resp: 628
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

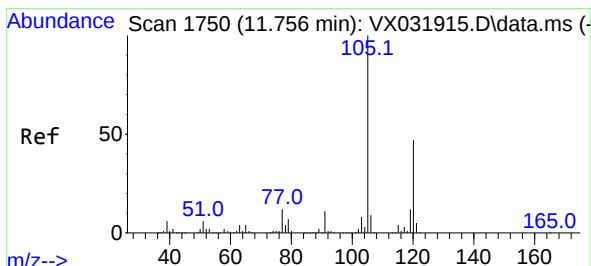
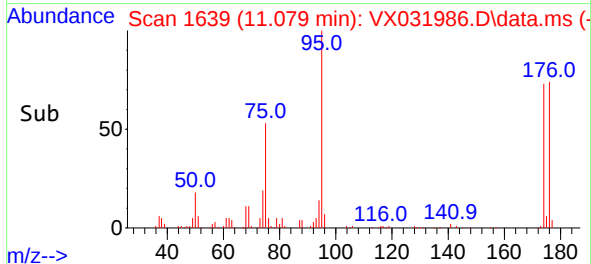
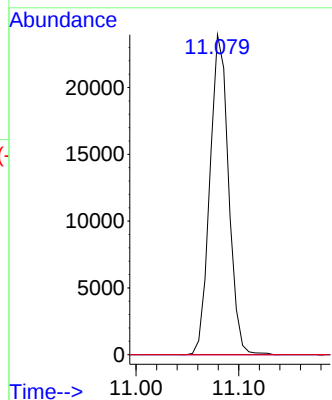
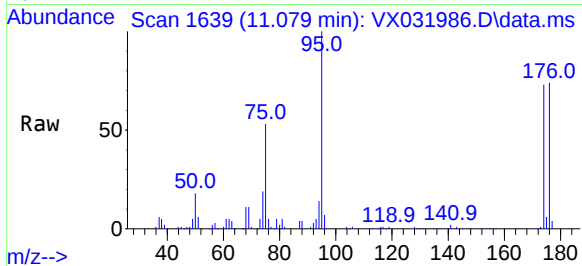




#81
trans-1,4-Dichloro-2-butene
Concen: 93.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

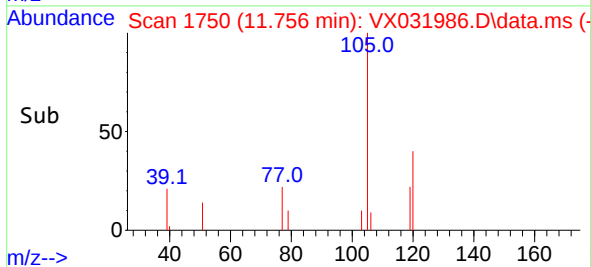
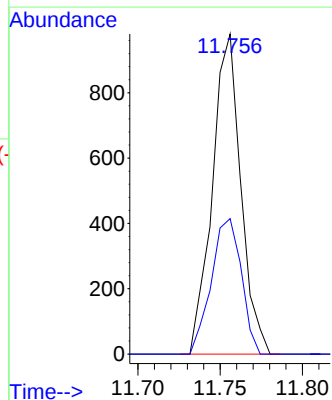
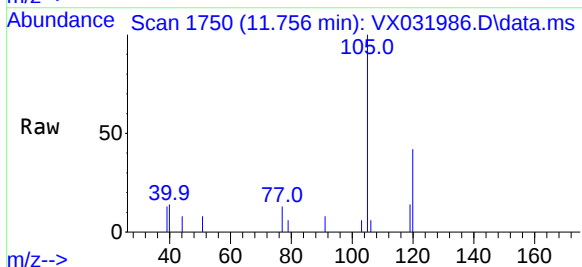
Instrument :
MSVOA_X
ClientSampleId :
MW-116D

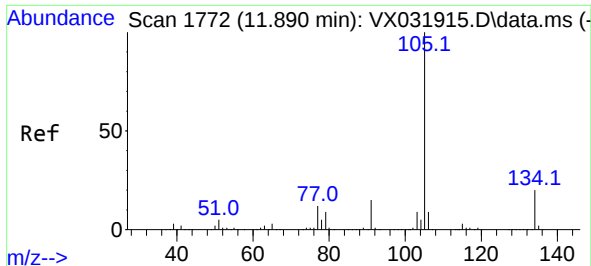
Tgt Ion: 75 Resp: 30216
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.343 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Tgt Ion: 105 Resp: 1179
Ion Ratio Lower Upper
105 100
120 44.6 22.6 67.8

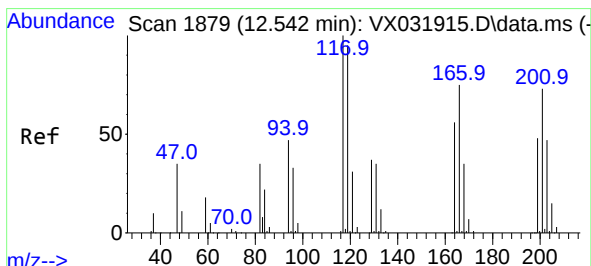
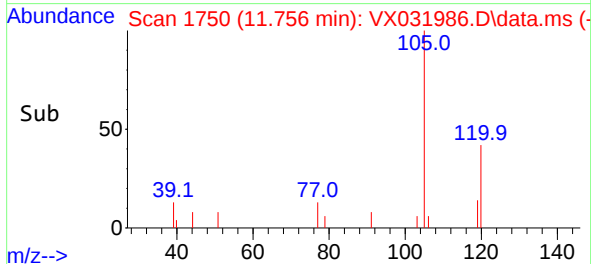
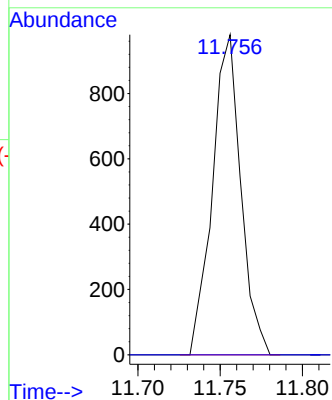
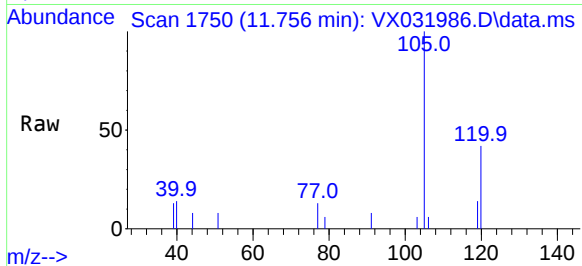




#85
sec-Butylbenzene
Concen: 0.285 ug/l
RT: 11.756 min Scan# 1179
Delta R.T. -0.134 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Instrument :
MSVOA_X
ClientSampleId :
MW-116D

Tgt Ion:105 Resp: 1179
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#



#90
Hexachloroethane
Concen: 1.547 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX031986.D
Acq: 08 Oct 2022 02:19

Tgt Ion:117 Resp: 136
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#

