

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004703.D
 Acq On : 19 Sep 2018 14:06
 Operator : JC/MD
 Sample : J4939-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Sep 20 12:59:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	247973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	364853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	136564	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	
35) Dibromofluoromethane	5.50	113	135467	40.57	ug/l	0.00
Spiked Amount			Recovery	=	81.14%	
50) Toluene-d8	8.72	98	494132	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	
62) 4-Bromofluorobenzene	11.14	95	173711	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	

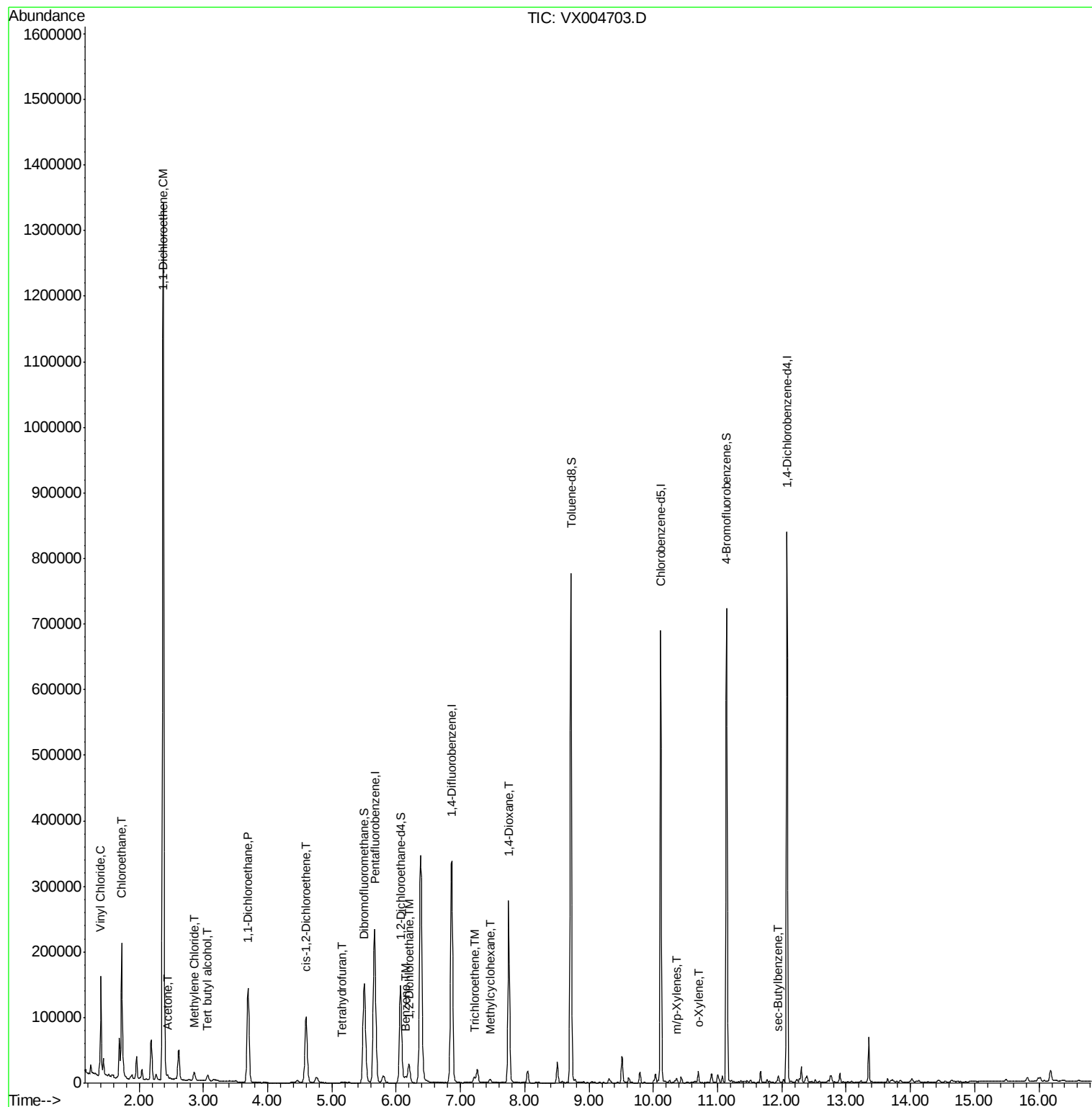
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	97250	29.63	ug/l	99
6) Chloroethane	1.73	64	155420	73.21	ug/l	92
11) Tert butyl alcohol	3.07	59	12236	16.04	ug/l	98
12) 1,1-Dichloroethene	2.37	96	460551	177.75	ug/l	98
16) Acetone	2.45	43	3548	2.27	ug/l	89
20) Methylene Chloride	2.85	84	5848	1.83	ug/l	92
24) 1,1-Dichloroethane	3.70	63	165288	30.52	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	67174	21.02	ug/l	90
29) Tetrahydrofuran	5.16	42	1421	0.95	ug/l #	88
39) Methylcyclohexane	7.46	83	2318	0.50	ug/l	88
40) Benzene	6.14	78	11671	0.89	ug/l	97
42) 1,2-Dichloroethane	6.20	62	31172	7.15	ug/l	99
44) Trichloroethene	7.22	130	3716	1.09	ug/l	92
49) 1,4-Dioxane	7.75	88	205176	2617.81	ug/l #	94
68) m/p-Xylenes	10.36	106	1653	0.33	ug/l	95
69) o-Xylene	10.70	106	3483	0.71	ug/l	97
85) sec-Butylbenzene	11.94	105	4450	0.37	ug/l	82

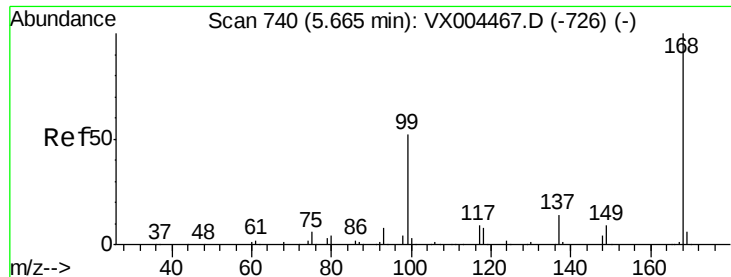
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

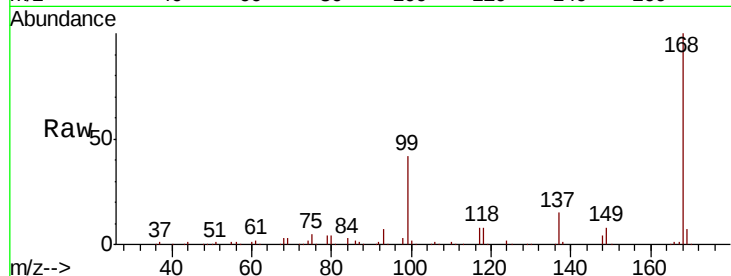
MW-1

Tot Ion:168 Resp: 247973

Ion Ratio Lower Upper

168 100

99 41.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

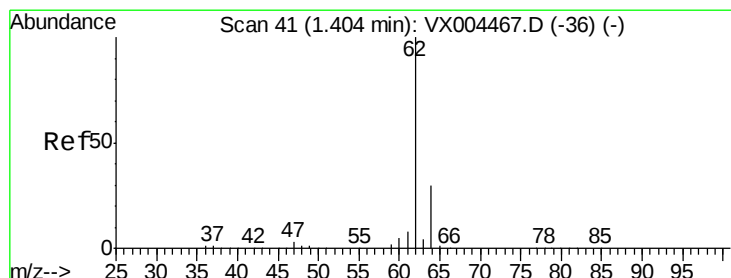
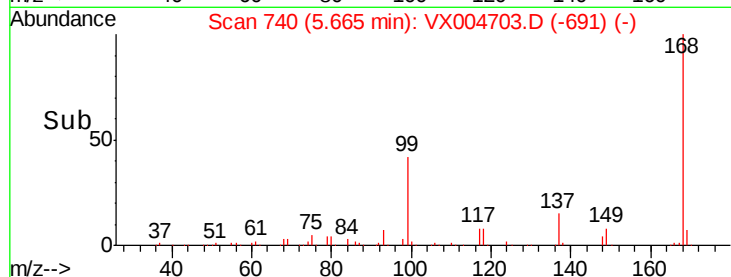
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 29.63 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004703.D

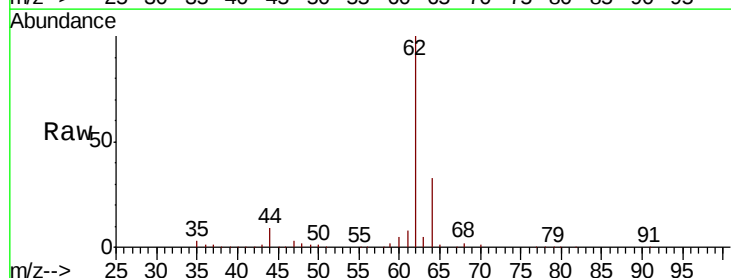
Acq: 19 Sep 2018 14:06

Tgt Ion: 62 Resp: 97250

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

100000

80000

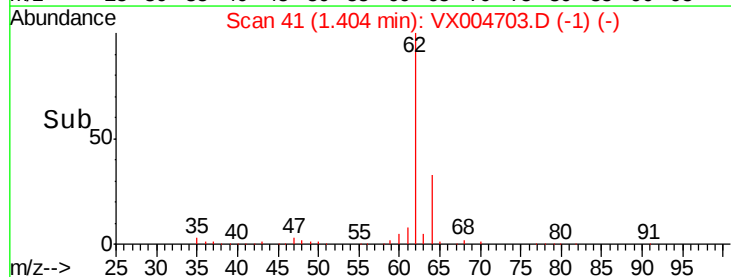
60000

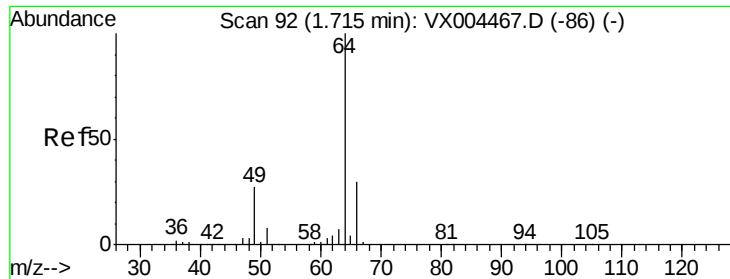
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#6

Chloroethane

Concen: 73.21 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

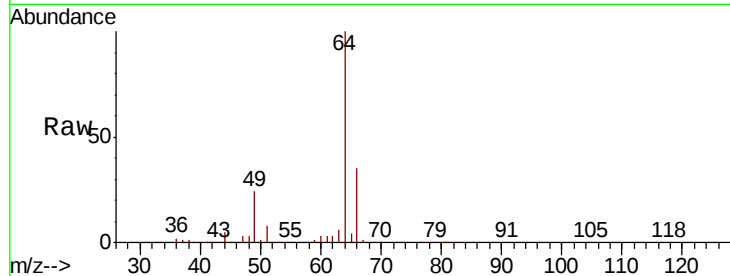
MW-1

Tot Ion: 64 Resp: 155420

Ion Ratio Lower Upper

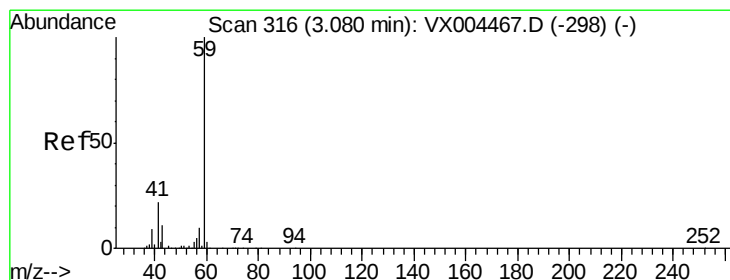
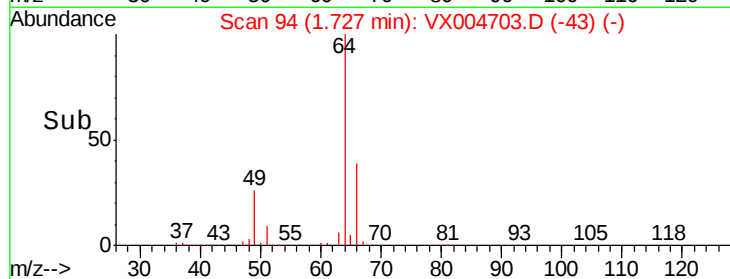
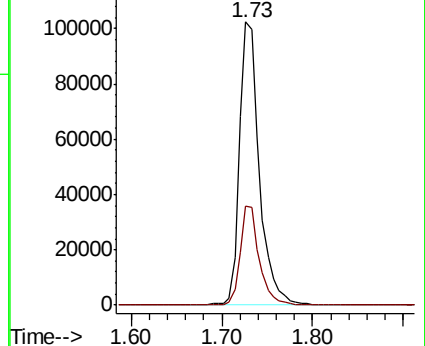
64 100

66 35.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 16.04 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004703.D

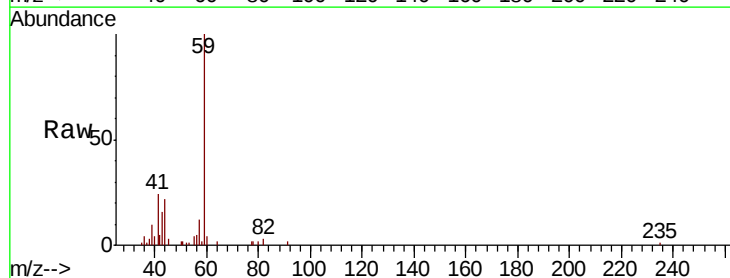
Acq: 19 Sep 2018 14:06

Tgt Ion: 59 Resp: 12236

Ion Ratio Lower Upper

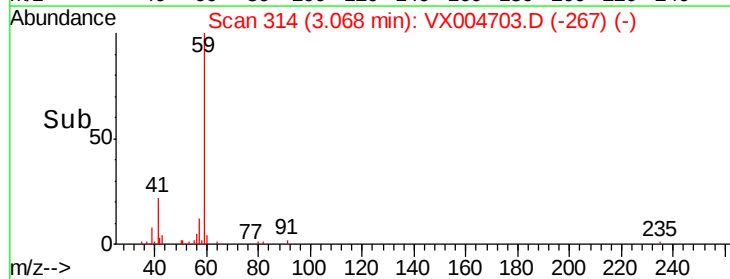
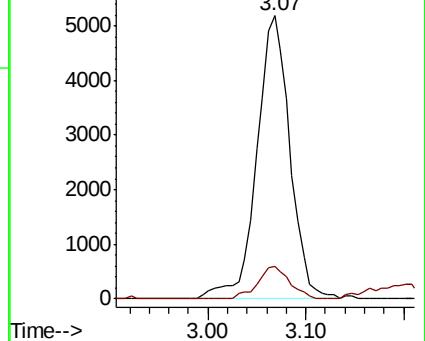
59 100

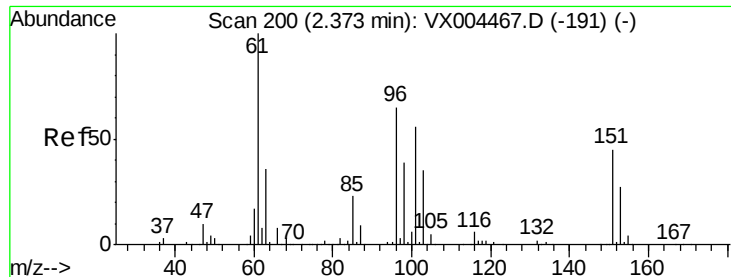
57 11.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 177.75 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

Instrument :

MSVOA_X

ClientSampled :

MW-1

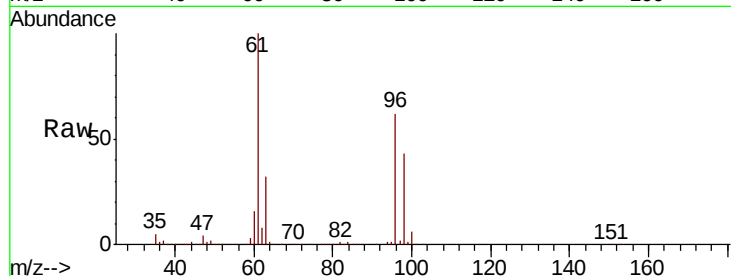
Tot Ion: 96 Resp: 460551

Ion Ratio Lower Upper

96 100

61 162.0 128.8 193.2

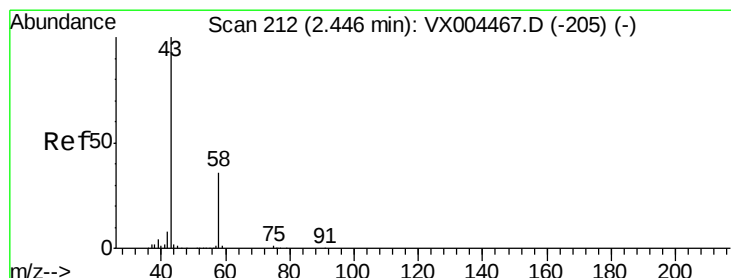
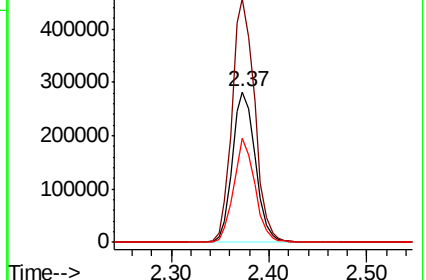
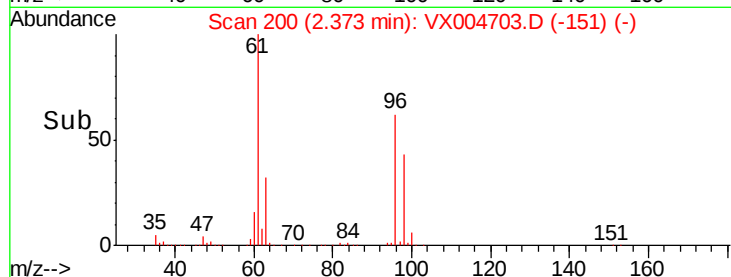
98 69.3 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 2.27 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004703.D

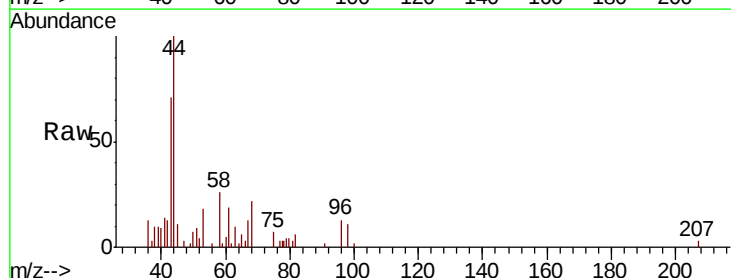
Acq: 19 Sep 2018 14:06

Tgt Ion: 43 Resp: 3548

Ion Ratio Lower Upper

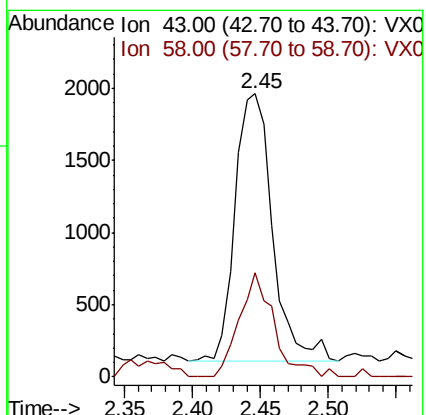
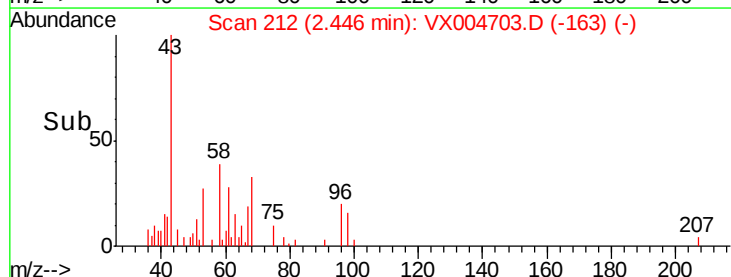
43 100

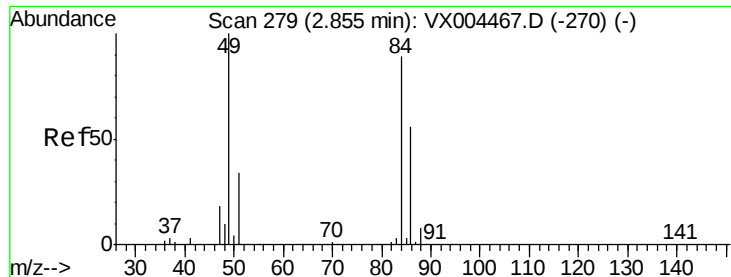
58 38.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 1.83 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

Instrument :

MSVOA_X

ClientSampled :

MW-1

Tot Ion: 84 Resp: 5848

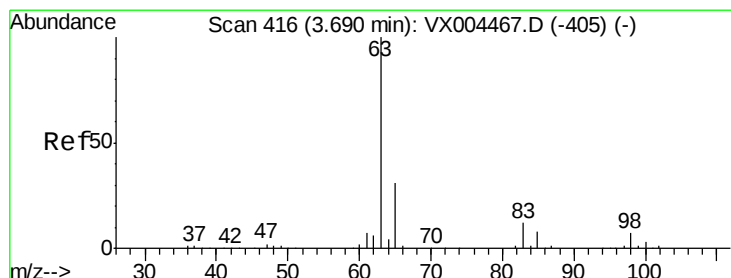
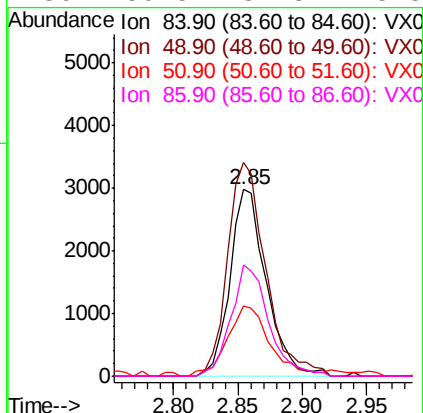
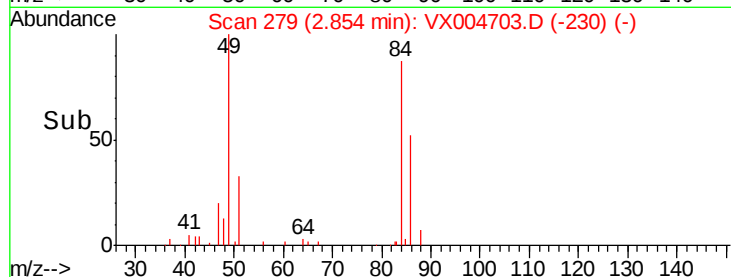
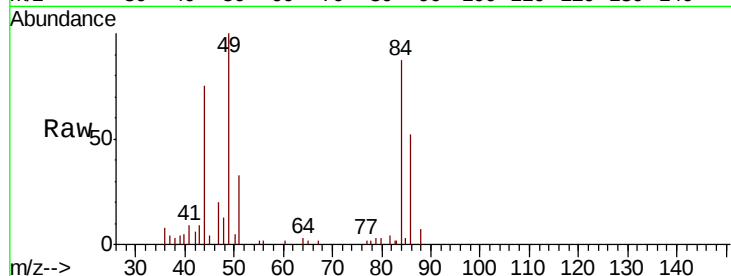
Ion Ratio Lower Upper

84 100

49 114.4 101.2 151.8

51 37.7 29.5 44.3

86 59.5 52.3 78.5



#24

1,1-Dichloroethane

Concen: 30.52 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

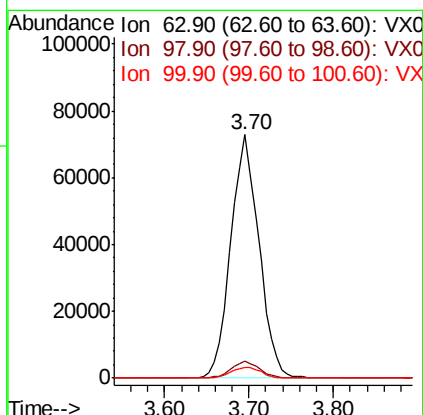
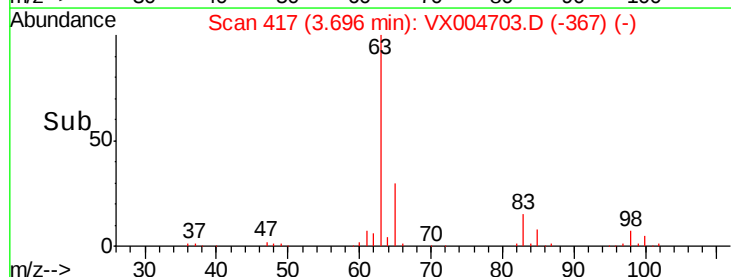
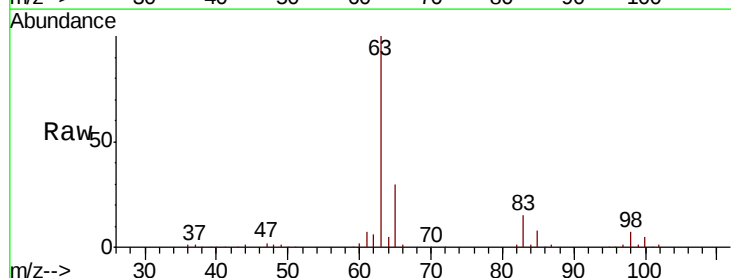
Tgt Ion: 63 Resp: 165288

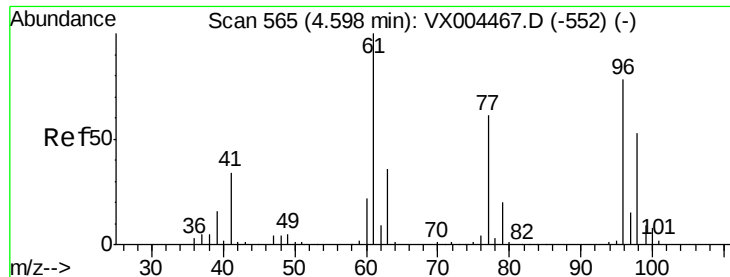
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.6 2.4 7.1

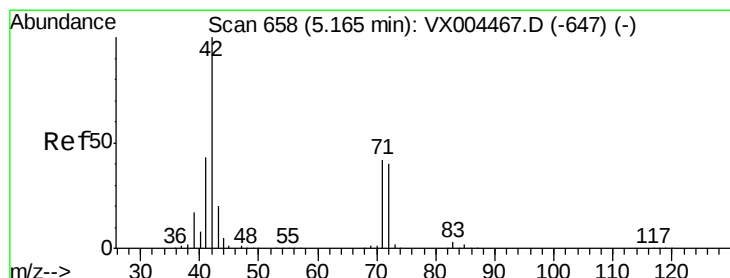
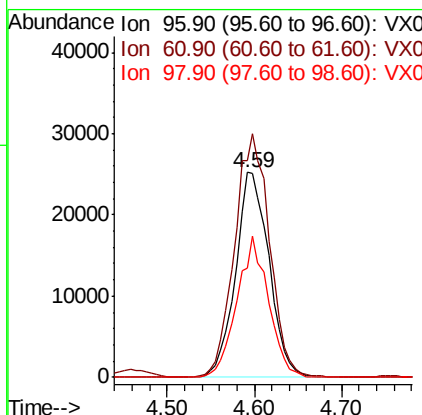
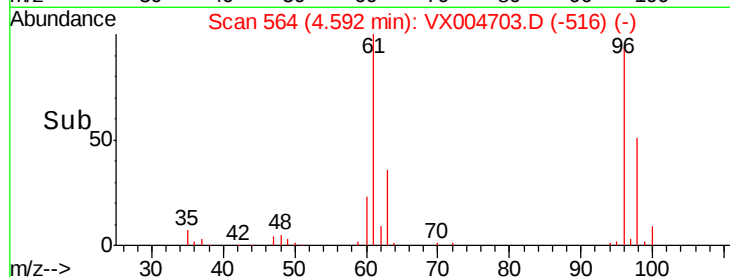
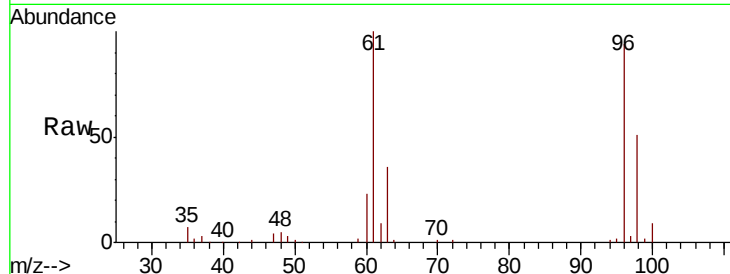




#27
 cis-1,2-Dichloroethene
 Concen: 21.02 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004703.D
 Acq: 19 Sep 2018 14:06

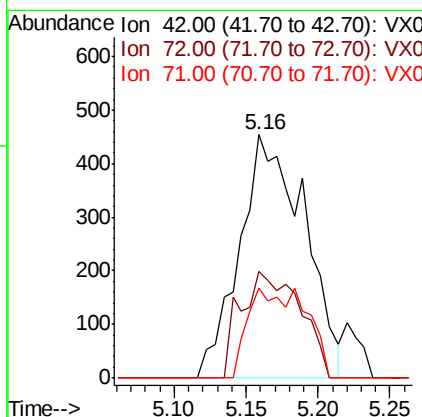
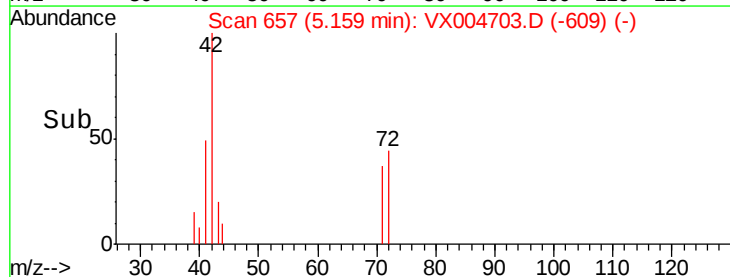
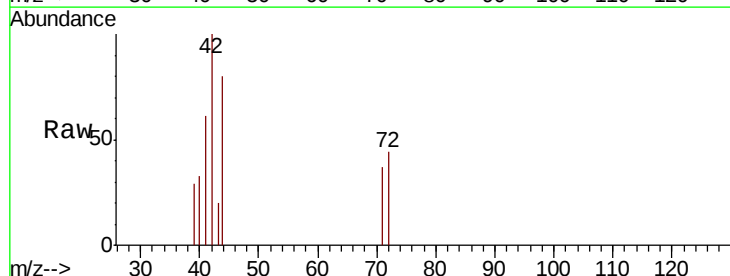
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

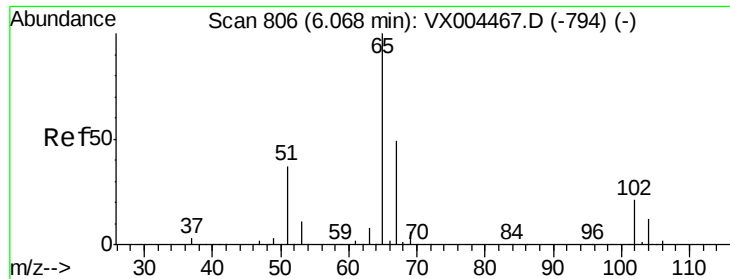
Tot Ion: 96 Resp: 67174
 Ion Ratio Lower Upper
 96 100
 61 123.6 0.0 282.6
 98 64.7 0.0 130.2



#29
 Tetrahydrofuran
 Concen: 0.95 ug/l
 RT: 5.16 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004703.D
 Acq: 19 Sep 2018 14:06

Tgt Ion: 42 Resp: 1421
 Ion Ratio Lower Upper
 42 100
 72 40.4 37.4 56.0
 71 33.0 34.5 51.7#





#33

1,2-Dichloroethane-d4

Concen: 42.71 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

Instrument :

MSVOA_X

ClientSampled :

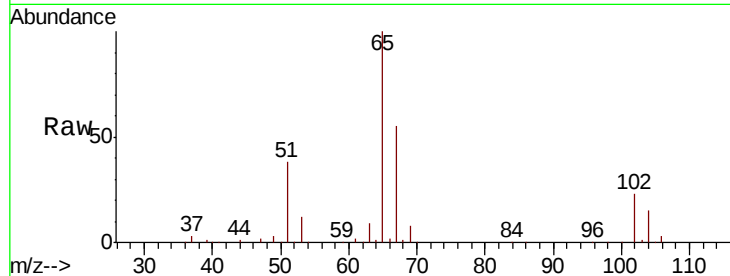
MW-1

Tot Ion: 65 Resp: 136564

Ion Ratio Lower Upper

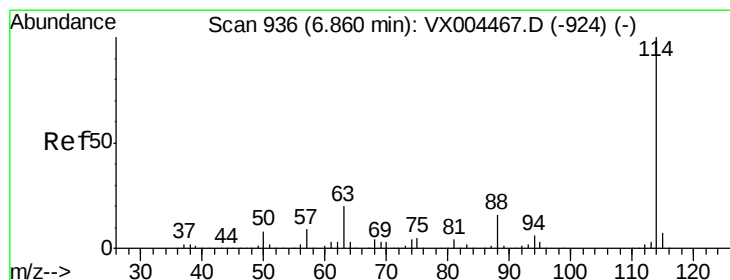
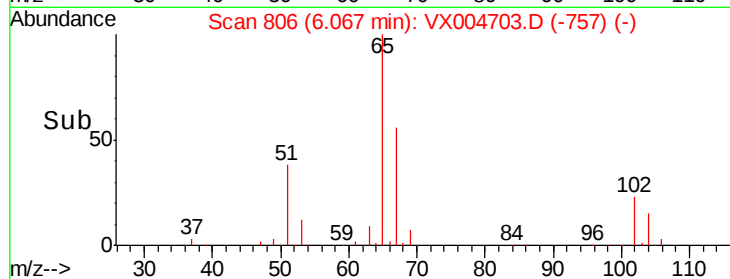
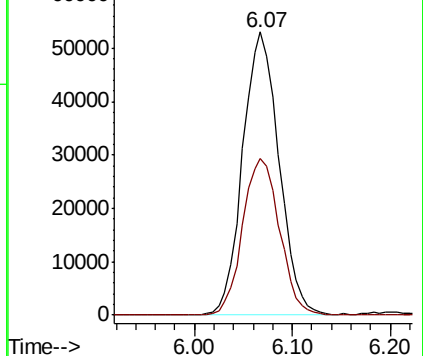
65 100

67 56.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

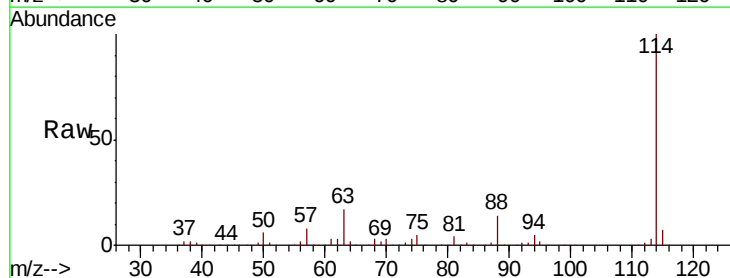
Tgt Ion: 114 Resp: 364853

Ion Ratio Lower Upper

114 100

63 16.5 0.0 39.0

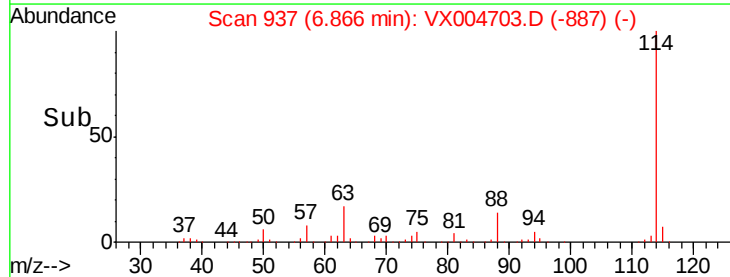
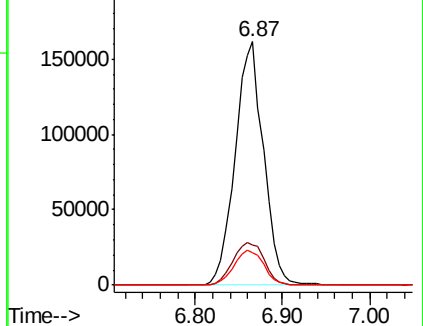
88 13.6 0.0 30.4

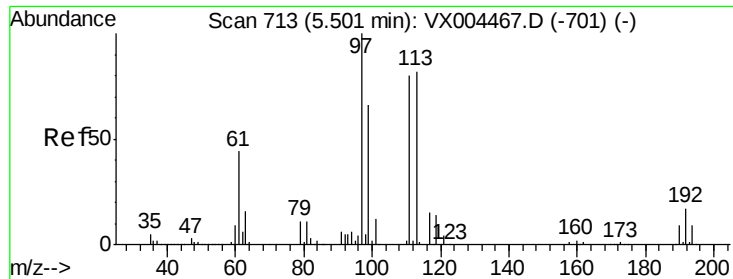


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

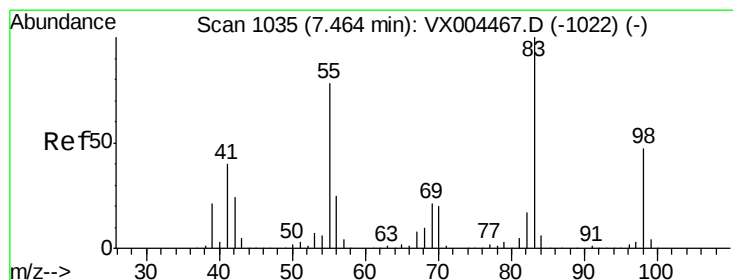
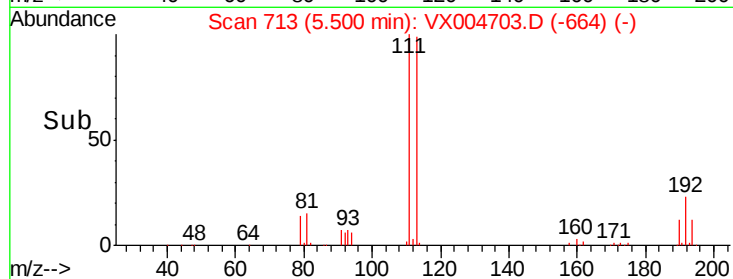
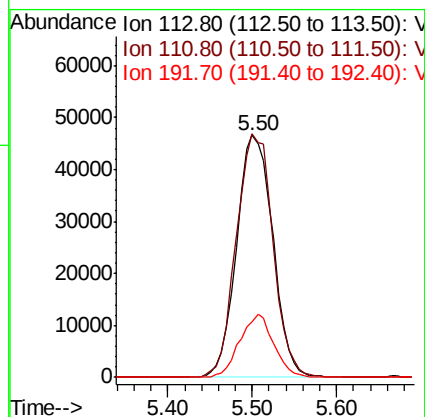
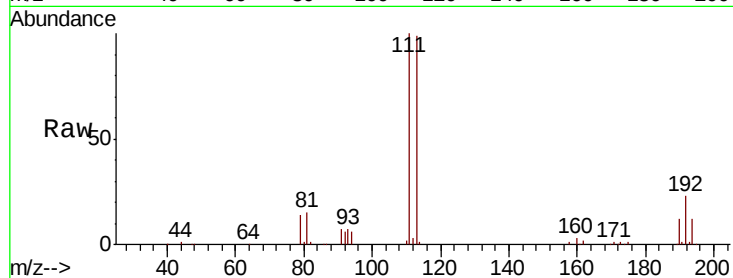




#35
 Dibromofluoromethane
 Concen: 40.57 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004703.D
 Acq: 19 Sep 2018 14:06

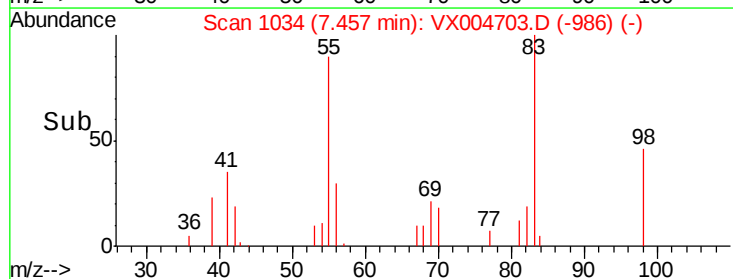
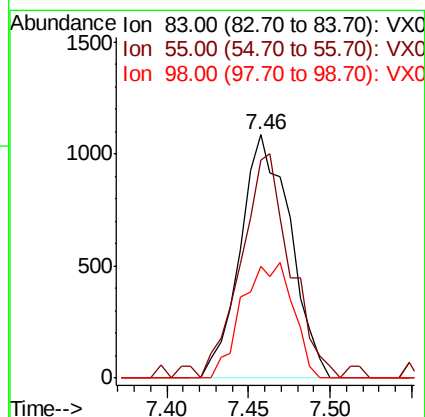
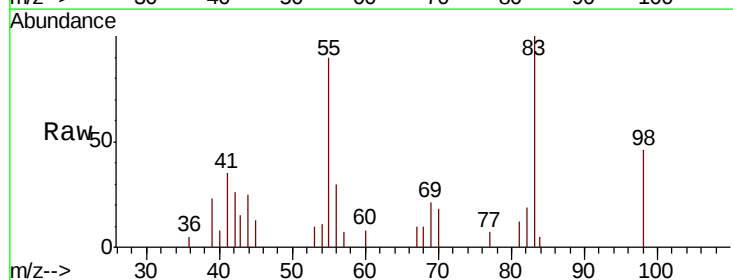
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

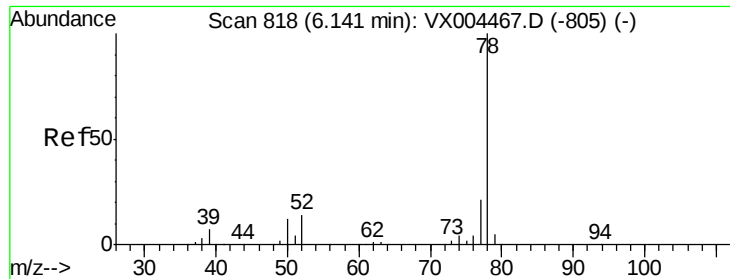
Tot Ion:113 Resp: 135467
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 24.3 19.4 29.2



#39
 Methylcyclohexane
 Concen: 0.50 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX004703.D
 Acq: 19 Sep 2018 14:06

Tgt Ion: 83 Resp: 2318
 Ion Ratio Lower Upper
 83 100
 55 89.6 61.0 91.4
 98 45.7 39.6 59.4





#40

Benzene

Concen: 0.89 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

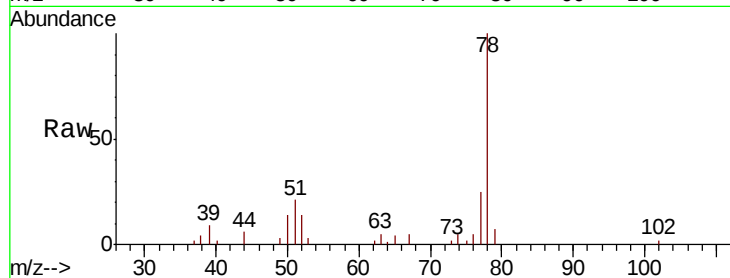
MW-1

Tot Ion: 78 Resp: 11671

Ion Ratio Lower Upper

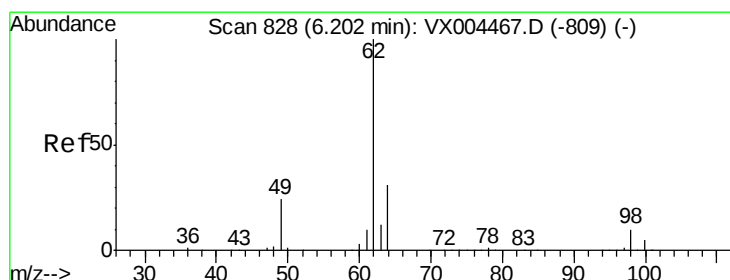
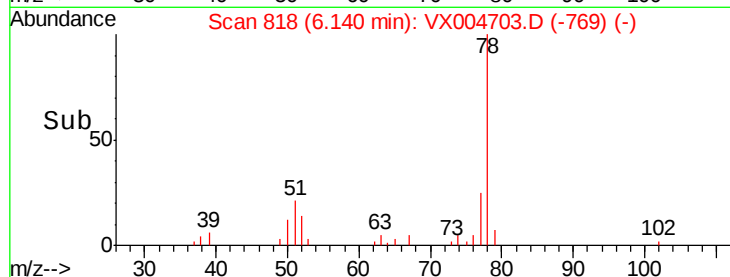
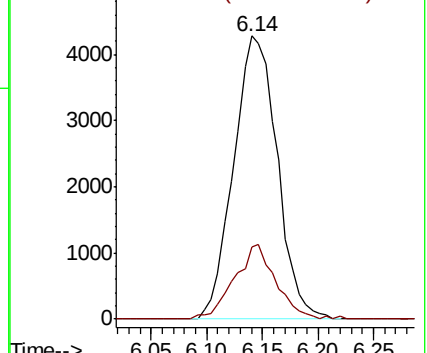
78 100

77 25.3 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 7.15 ug/l

RT: 6.20 min Scan# 828

Delta R.T. -0.00 min

Lab File: VX004703.D

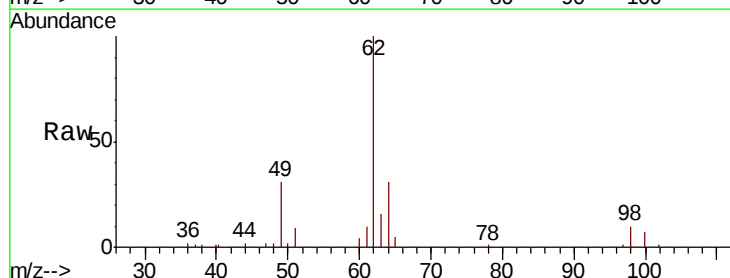
Acq: 19 Sep 2018 14:06

Tgt Ion: 62 Resp: 31172

Ion Ratio Lower Upper

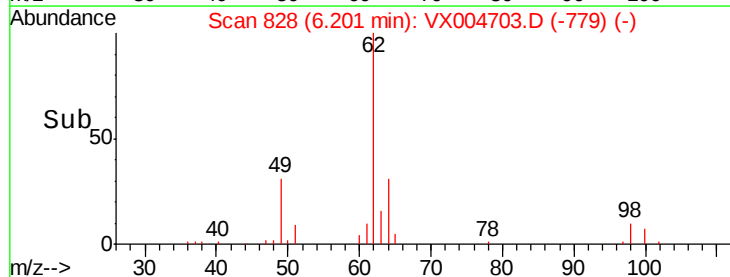
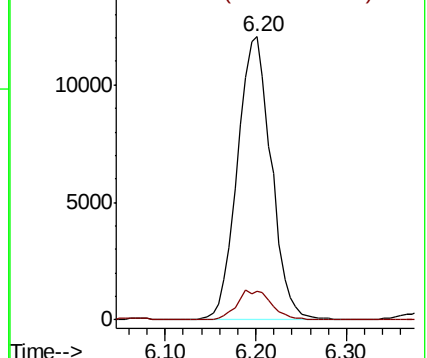
62 100

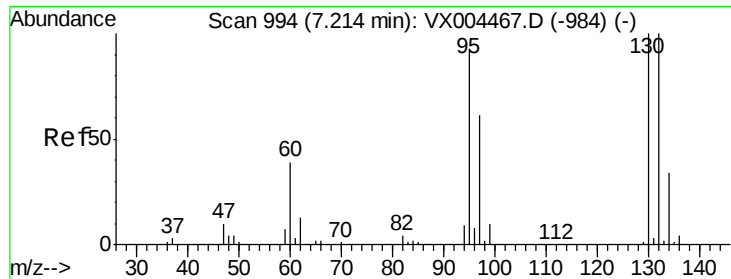
98 10.7 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

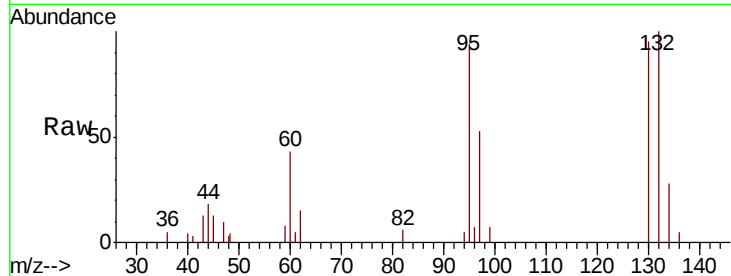




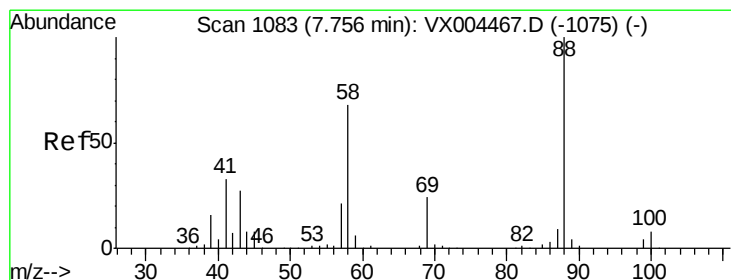
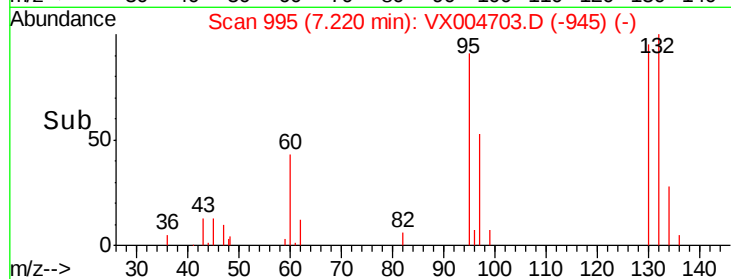
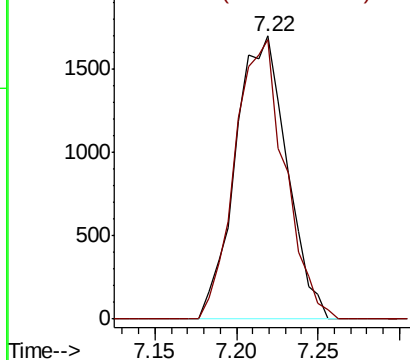
#44
 Trichloroethene
 Concen: 1.09 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX004703.D
 Acq: 19 Sep 2018 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Tot Ion:130 Resp: 3716
 Ion Ratio Lower Upper
 130 100
 95 98.6 0.0 181.6

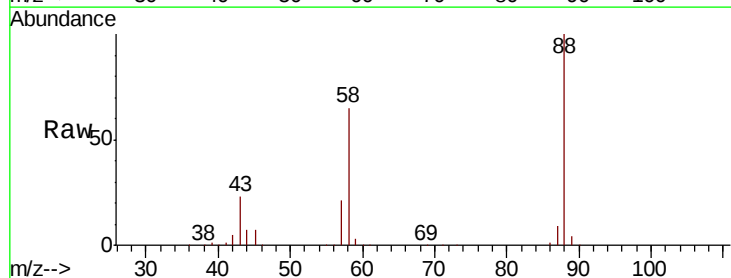


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

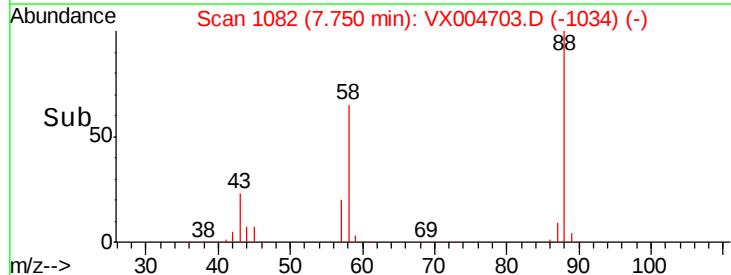
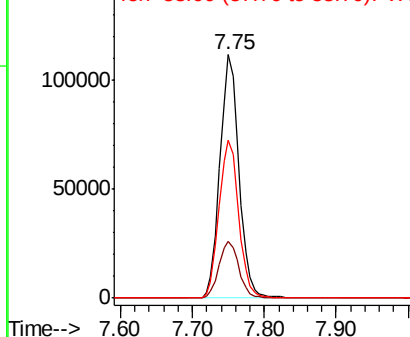


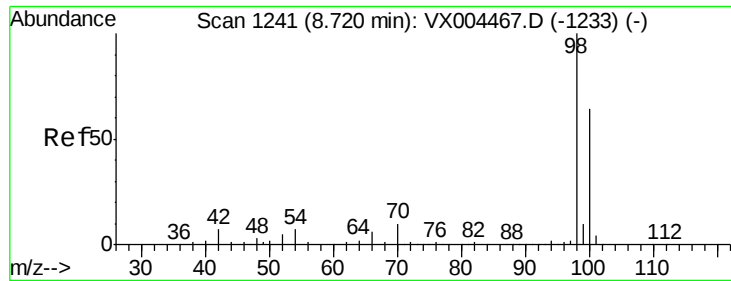
#49
 1,4-Dioxane
 Concen: 2617.81 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX004703.D
 Acq: 19 Sep 2018 14:06

Tgt Ion: 88 Resp: 205176
 Ion Ratio Lower Upper
 88 100
 43 23.8 24.7 37.1#
 58 67.1 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

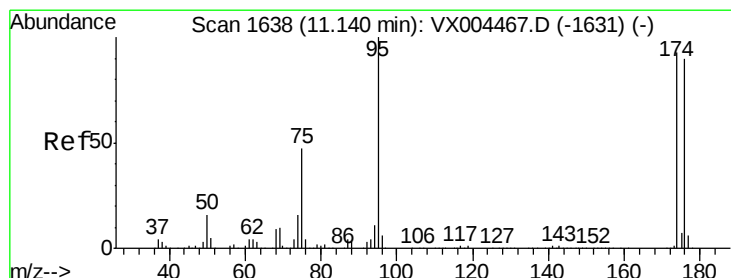
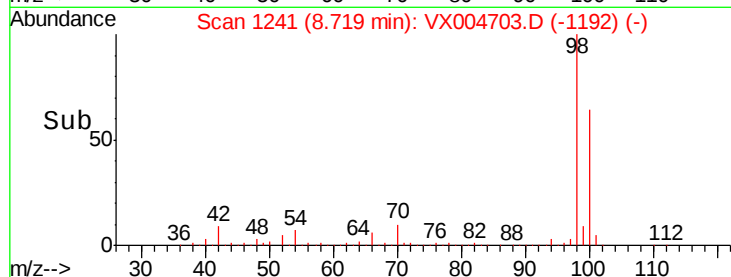
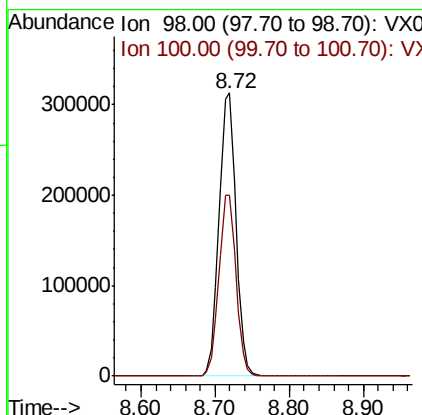
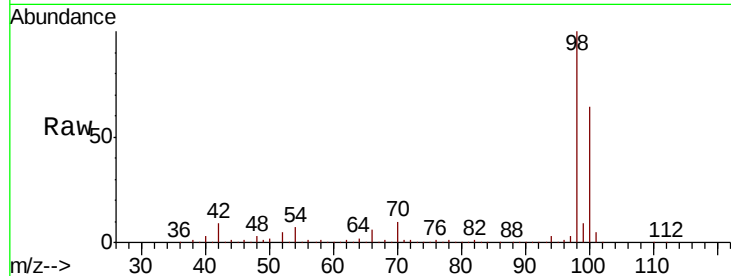




#50
Toluene-d8
Concen: 44.13 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004703.D
Acq: 19 Sep 2018 14:06

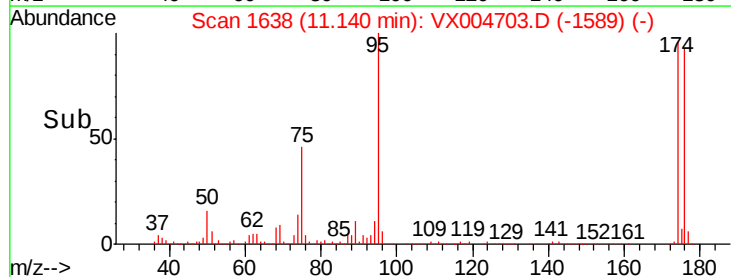
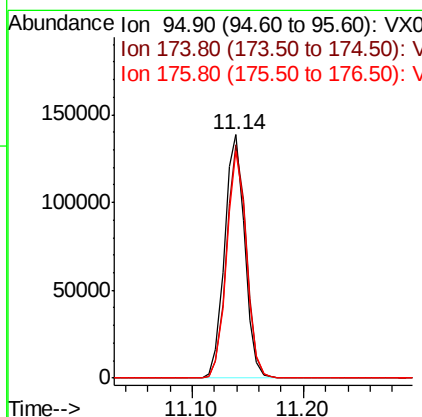
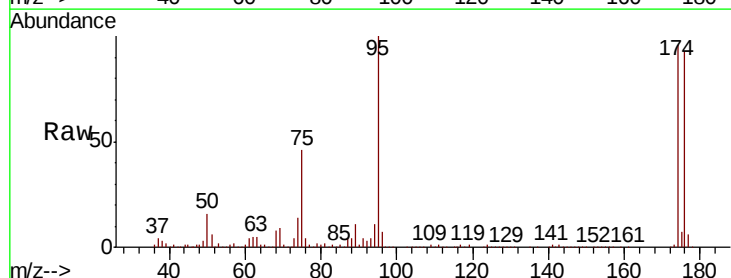
Instrument :
MSVOA_X
ClientSampleId :
MW-1

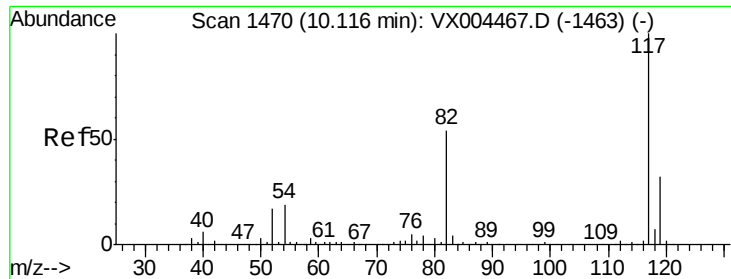
Tot Ion: 98 Resp: 494132
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 43.46 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004703.D
Acq: 19 Sep 2018 14:06

Tgt Ion: 95 Resp: 173711
Ion Ratio Lower Upper
95 100
174 94.8 0.0 185.2
176 91.5 0.0 178.6

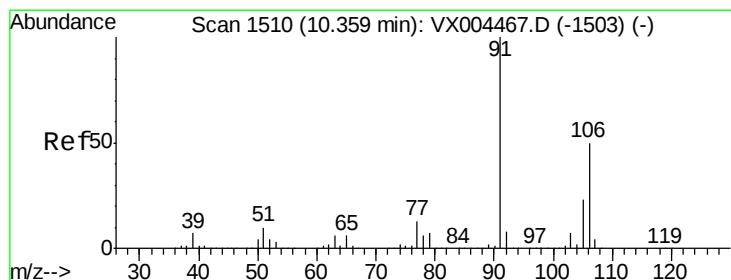
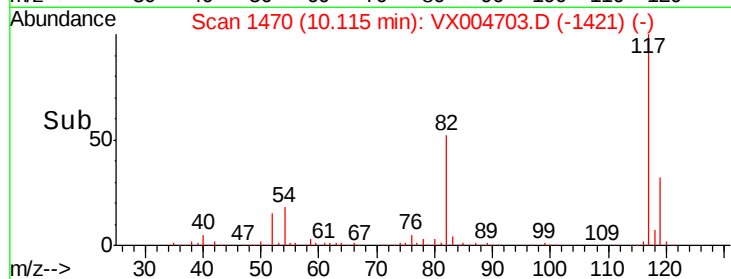
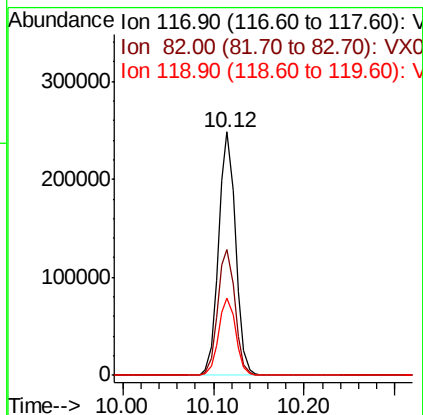
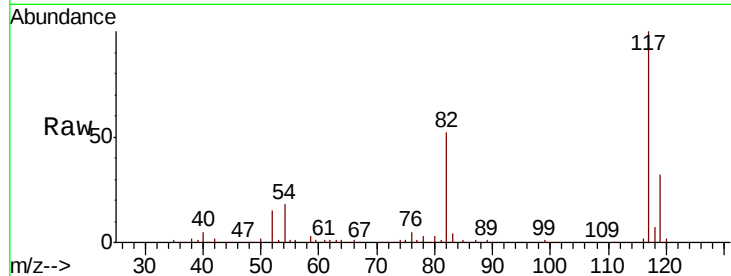




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004703.D
Acq: 19 Sep 2018 14:06

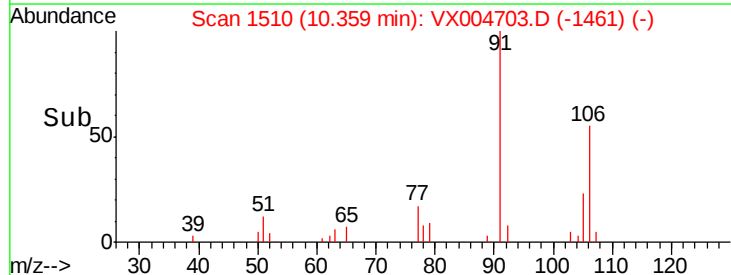
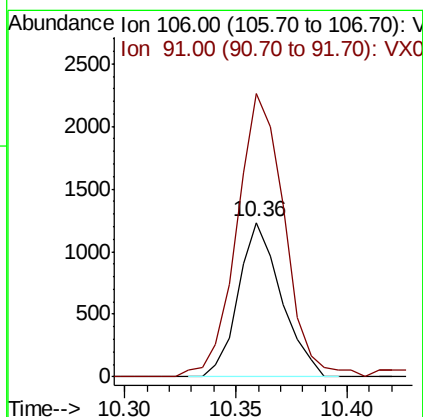
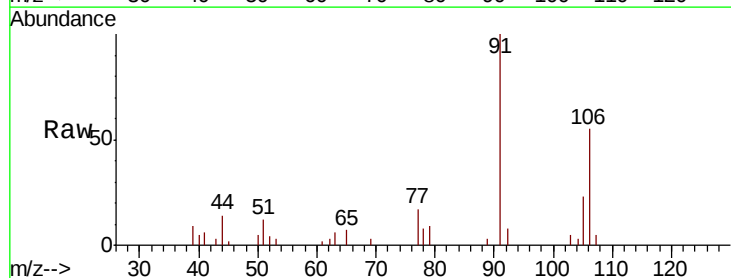
Instrument :
MSVOA_X
ClientSampleId :
MW-1

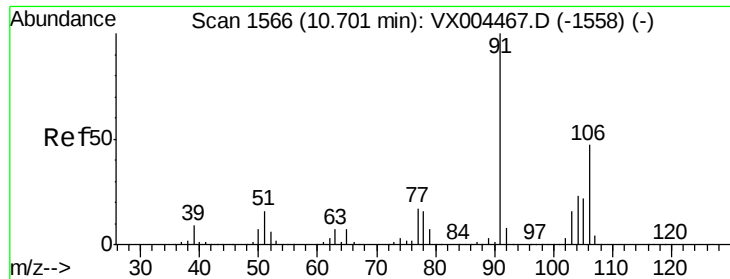
Tot Ion:117 Resp: 326123
Ion Ratio Lower Upper
117 100
82 51.7 47.8 71.6
119 31.9 29.3 43.9



#68
m/p-Xylenes
Concen: 0.33 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004703.D
Acq: 19 Sep 2018 14:06

Tgt Ion:106 Resp: 1653
Ion Ratio Lower Upper
106 100
91 203.8 157.1 235.7

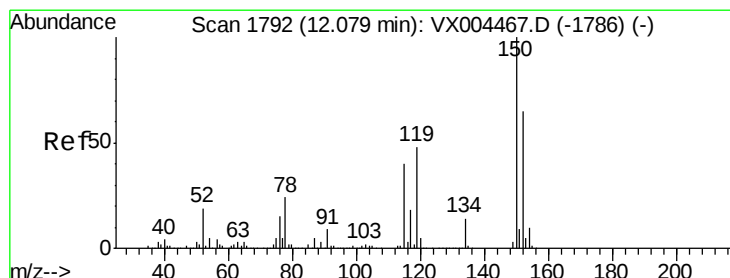
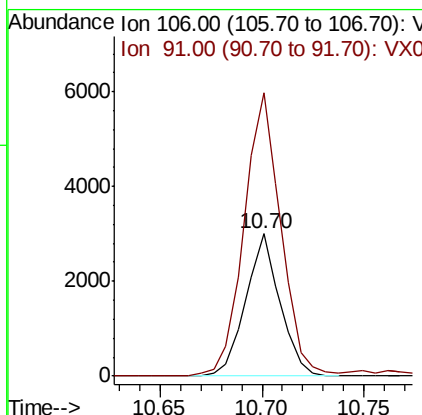
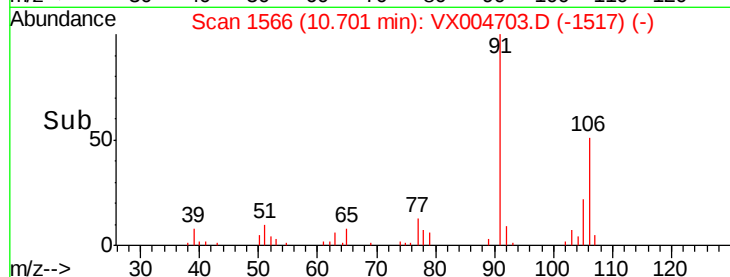
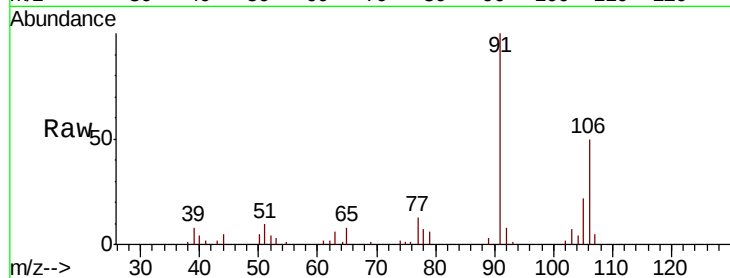




#69
o-Xylene
Concen: 0.71 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004703.D
Acq: 19 Sep 2018 14:06

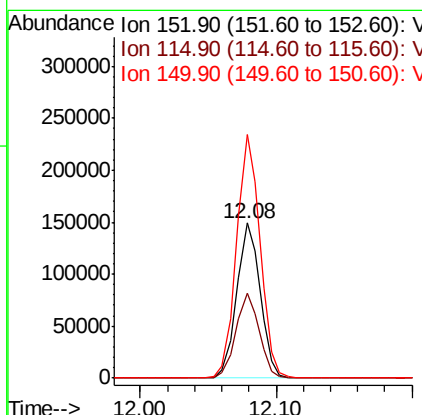
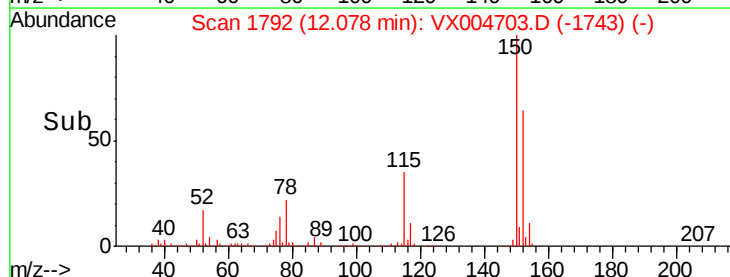
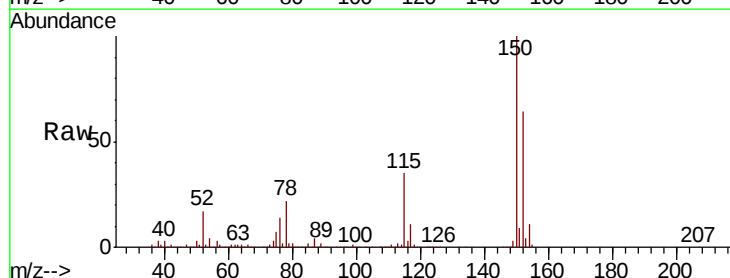
Instrument :
MSVOA_X
ClientSampleId :
MW-1

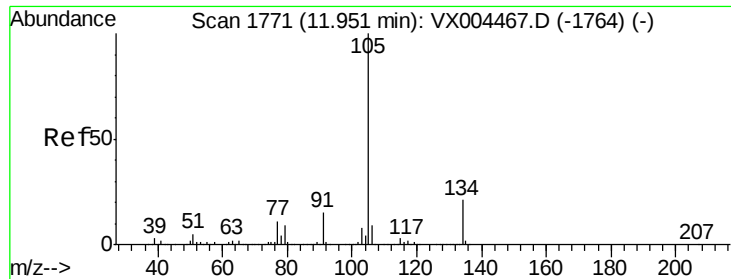
Tot Ion:106 Resp: 3483
Ion Ratio Lower Upper
106 100
91 214.6 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004703.D
Acq: 19 Sep 2018 14:06

Tgt Ion:152 Resp: 179139
Ion Ratio Lower Upper
152 100
115 54.5 39.0 117.0
150 157.0 0.0 351.0





#85

sec-Butylbenzene

Concen: 0.37 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004703.D

Acq: 19 Sep 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tot Ion:105 Resp: 4450

Ion Ratio Lower Upper

105 100

134 29.4 10.5 31.5

