

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010613.D
 Acq On : 02 Jul 2019 13:40
 Operator : JC/SP
 Sample : K3586-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWR2

Quant Time: Jul 03 01:55:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123595	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
35) Dibromofluoromethane	5.50	113	118030	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	8.71	98	457026	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	154035	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

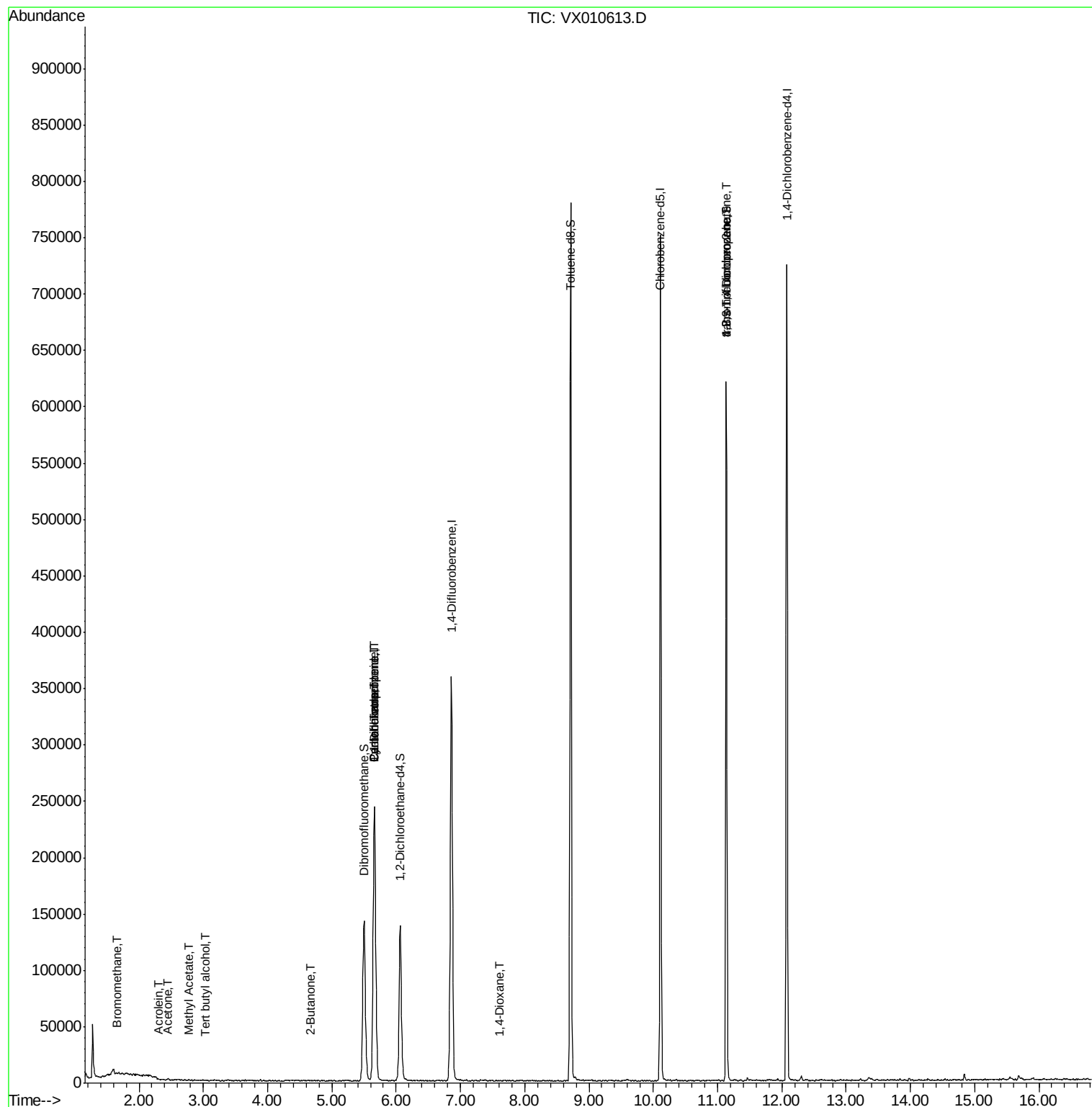
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	274	0.251	ug/l #	40
11) Tert butyl alcohol	3.03	59	285	0.460	ug/l #	74
13) Acrolein	2.31	56	99	0.241	ug/l #	1
16) Acetone	2.44	43	1226	1.034	ug/l	89
18) Methyl Acetate	2.77	43	656	0.277	ug/l #	61
25) 2-Butanone	4.67	43	361	0.207	ug/l #	46
31) Cyclohexane	5.66	56	4579	1.339	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15912	5.098	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21942	6.492	ug/l #	15
49) 1,4-Dioxane	7.61	88	22	0.309	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74598	25.198	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	74598	58.785	ug/l #	16

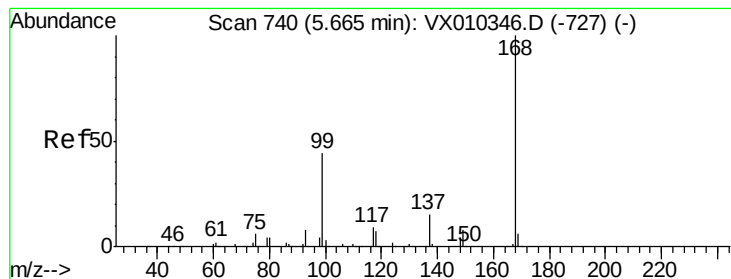
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

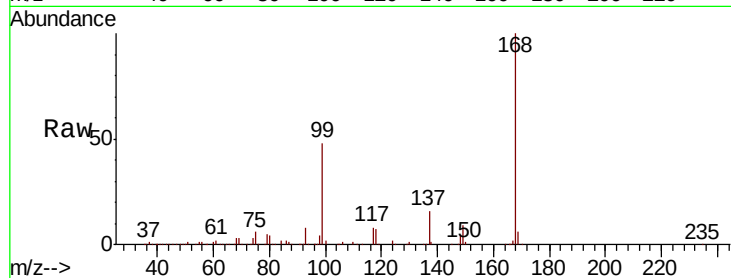
TWR2

Tot Ion:168 Resp: 252446

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

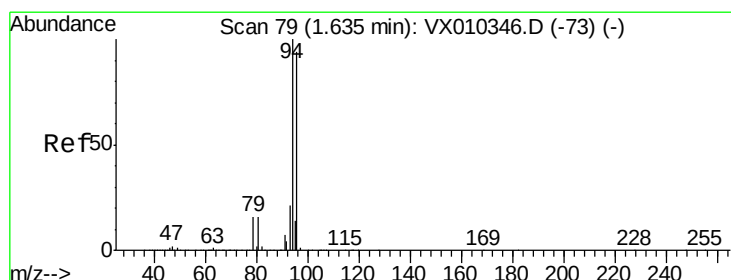
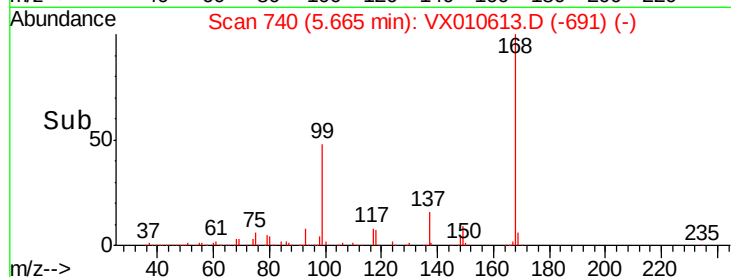
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010613.D

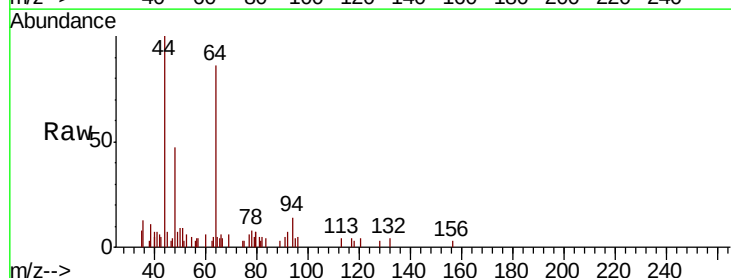
Acq: 02 Jul 2019 13:40

Tgt Ion: 94 Resp: 274

Ion Ratio Lower Upper

94 100

96 36.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

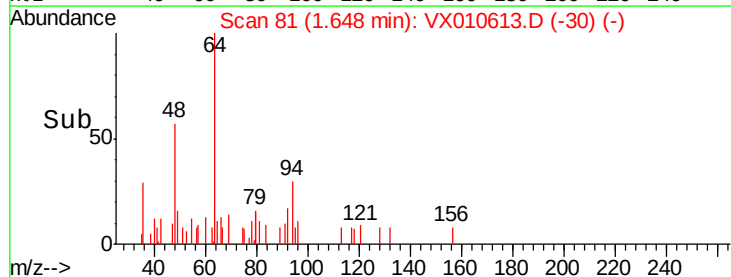
150

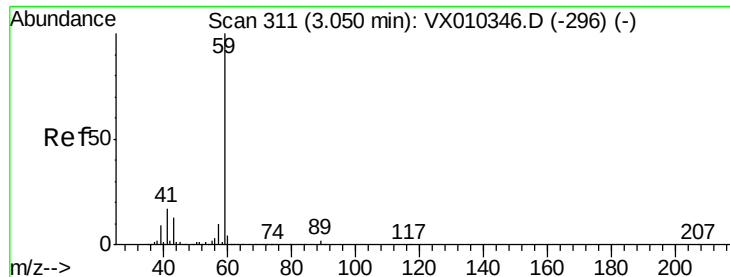
100

50

0

Time-->



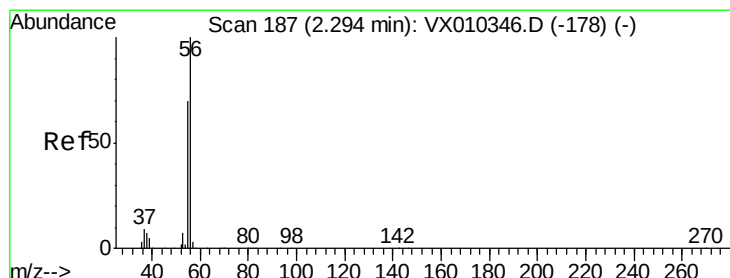
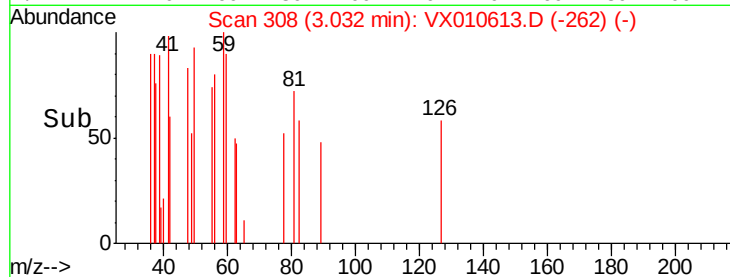
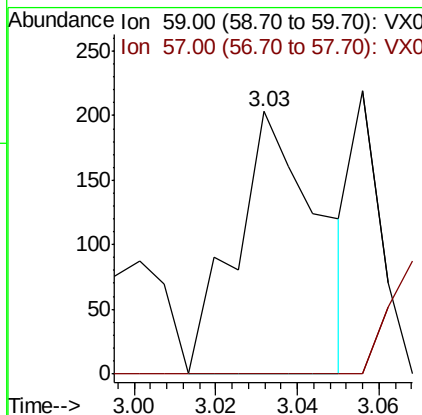
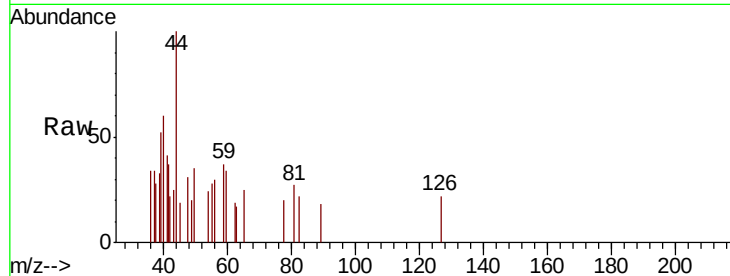


#11

Tert butyl alcohol
 Concen: 0.460 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX010613.D
 Acq: 02 Jul 2019 13:40

Instrument :
 MSVOA_X
 ClientSampled :
 TWR2

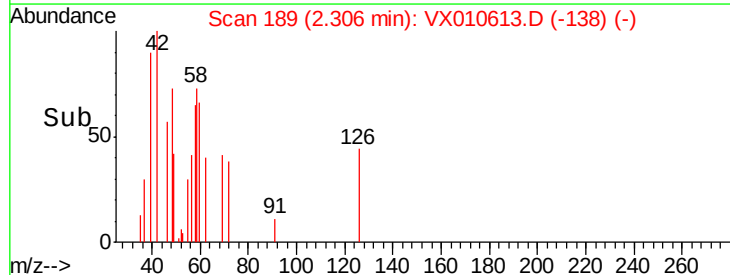
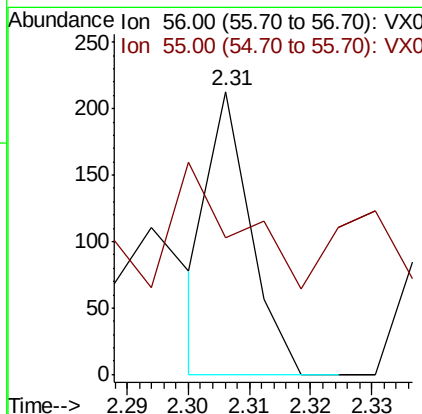
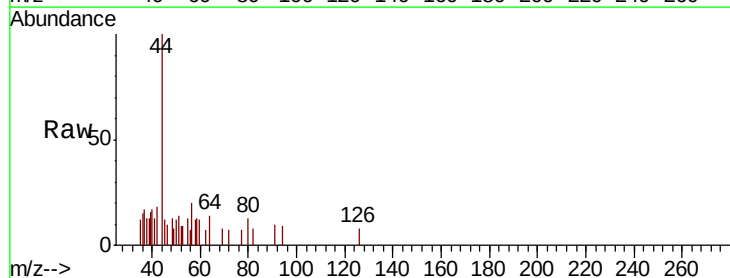
Tot Ion: 59 Resp: 285
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

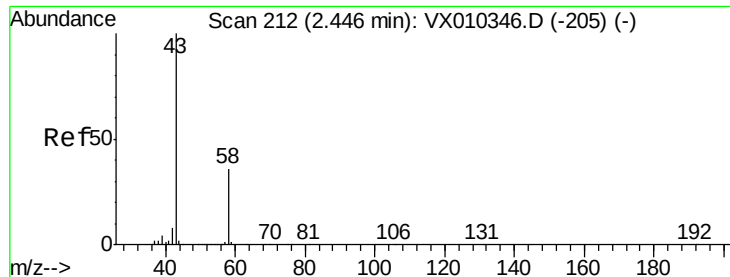


#13

Acrolein
 Concen: 0.241 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX010613.D
 Acq: 02 Jul 2019 13:40

Tgt Ion: 56 Resp: 99
 Ion Ratio Lower Upper
 56 100
 55 163.6 56.9 85.3#





#16

Acetone

Concen: 1.034 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

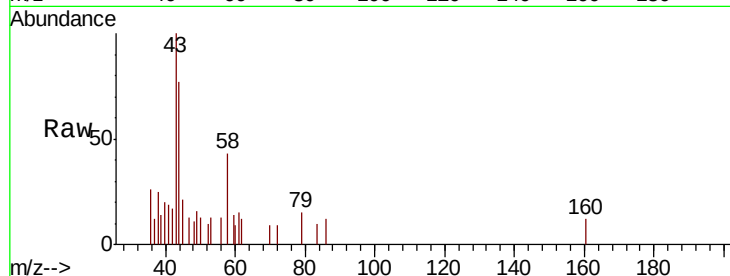
TWR2

Tot Ion: 43 Resp: 1226

Ion Ratio Lower Upper

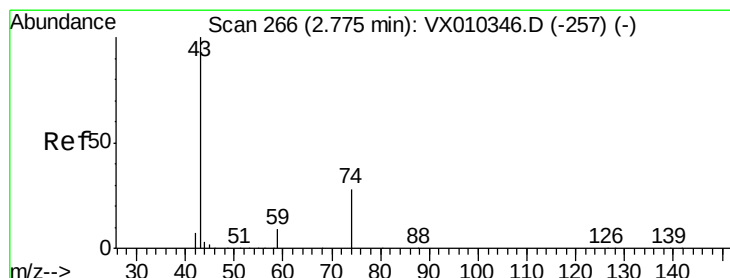
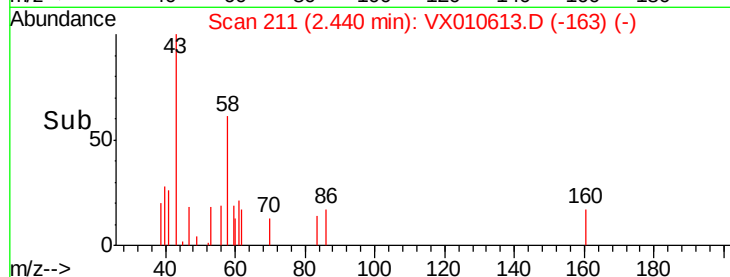
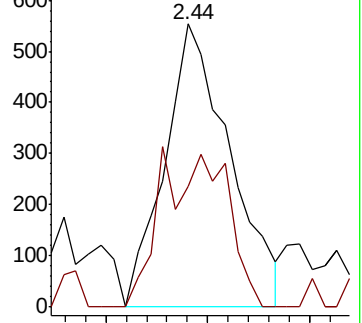
43 100

58 42.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.277 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010613.D

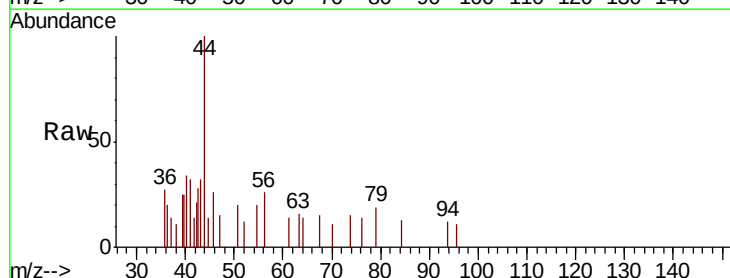
Acq: 02 Jul 2019 13:40

Tgt Ion: 43 Resp: 656

Ion Ratio Lower Upper

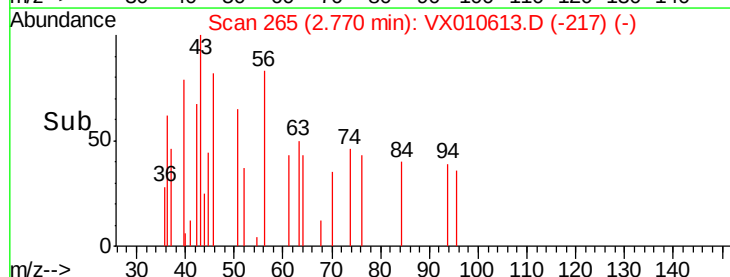
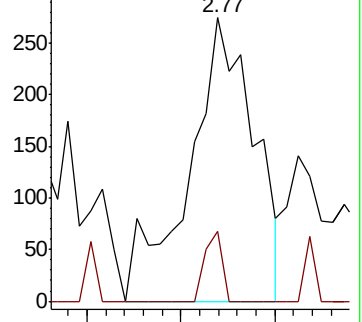
43 100

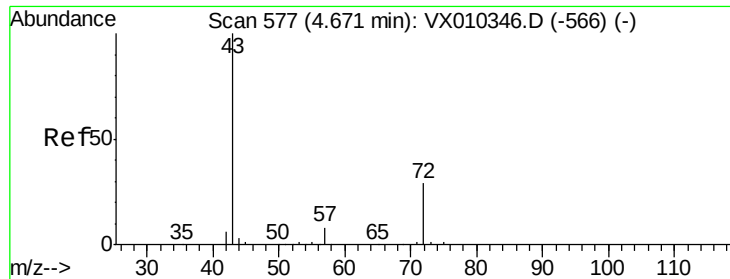
74 6.6 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.207 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

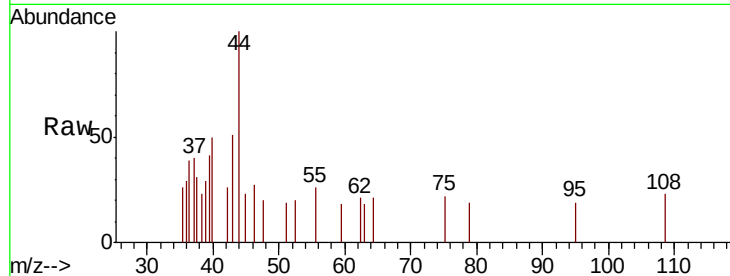
TWR2

Tot Ion: 43 Resp: 361

Ion Ratio Lower Upper

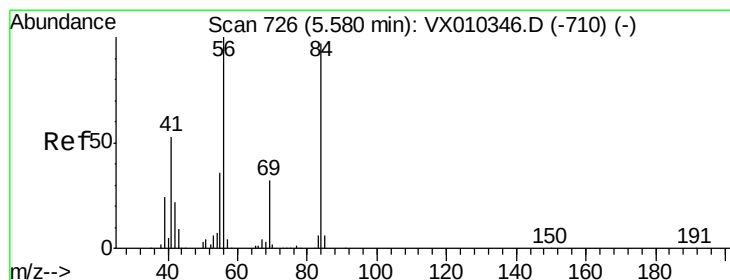
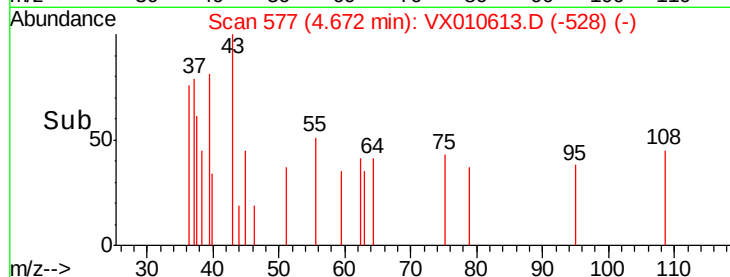
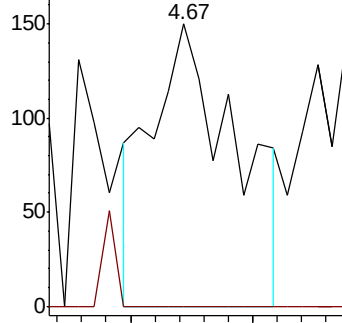
43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

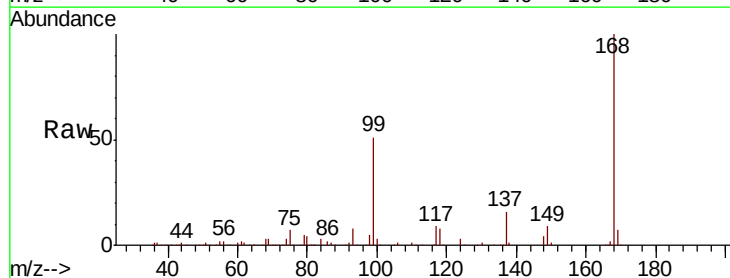
Tgt Ion: 56 Resp: 4579

Ion Ratio Lower Upper

56 100

69 191.4 25.9 38.9#

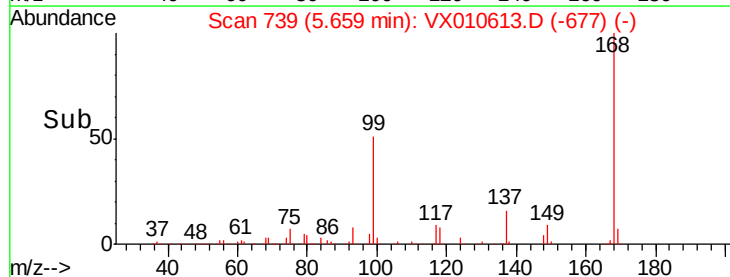
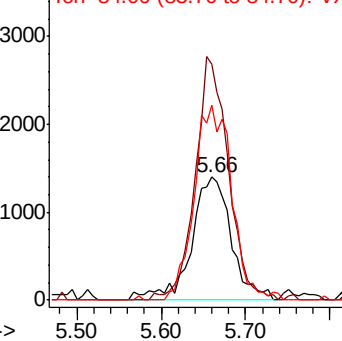
84 158.6 78.0 117.0#

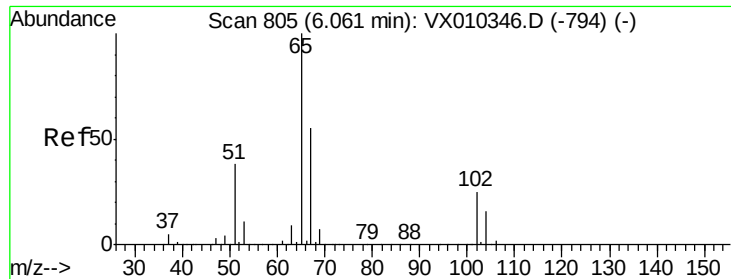


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

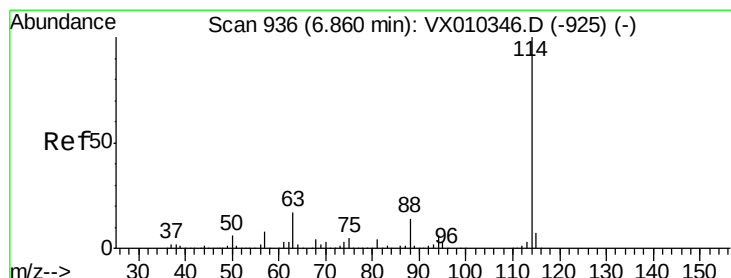
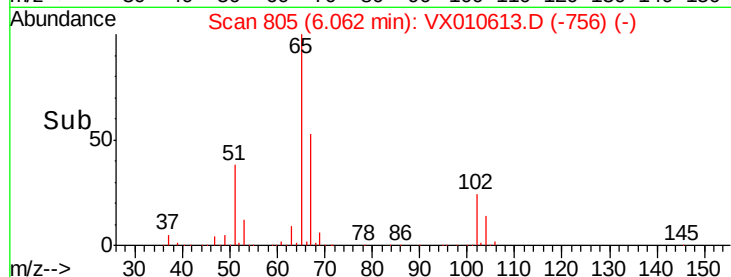
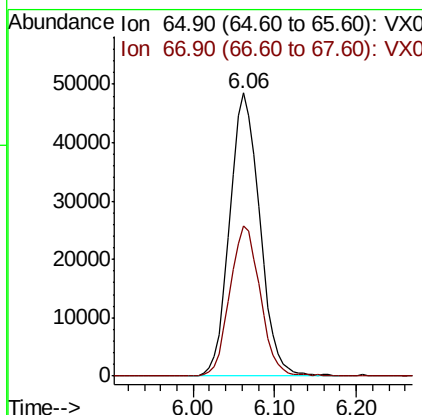
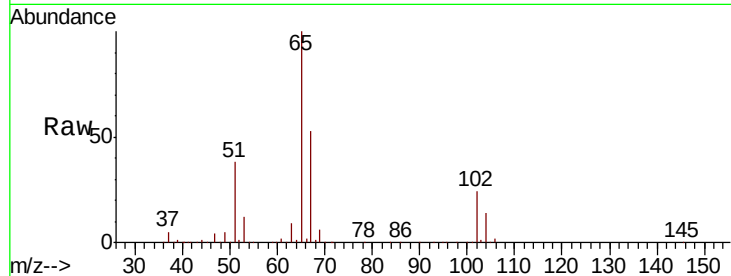




#33
 1,2-Dichloroethane-d4
 Concen: 52.217 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010613.D
 Acq: 02 Jul 2019 13:40

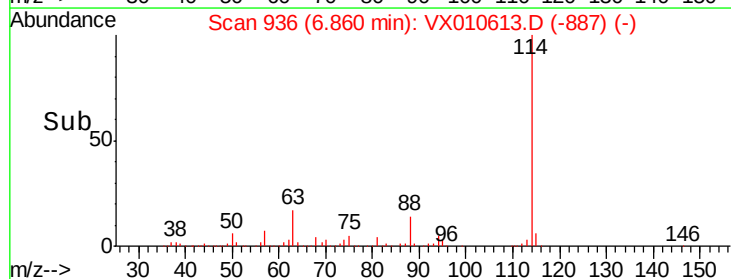
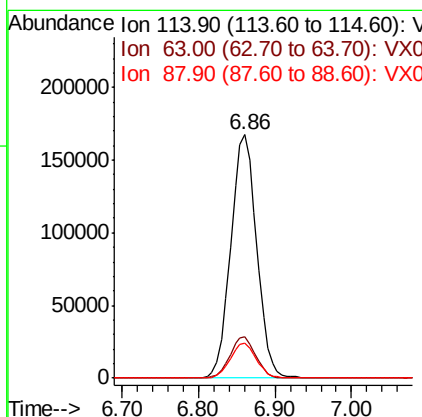
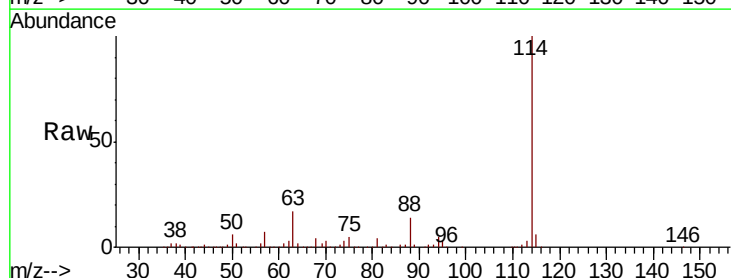
Instrument :
 MSVOA_X
 ClientSampled :
 TWR2

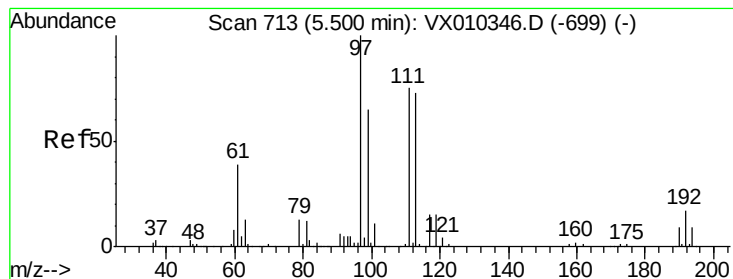
Tot Ion: 65 Resp: 123595
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010613.D
 Acq: 02 Jul 2019 13:40

Tgt Ion: 114 Resp: 392749
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.8
 88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.118 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

TWR2

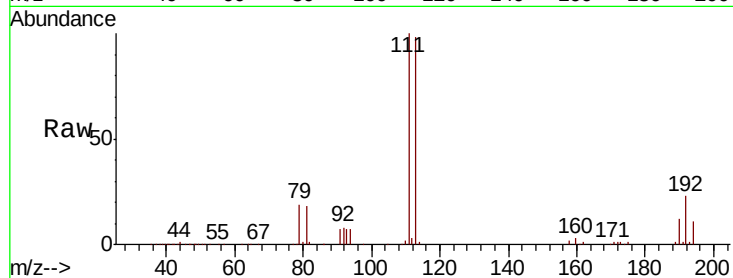
Tot Ion:113 Resp: 118030

Ion Ratio Lower Upper

113 100

111 102.1 81.2 121.8

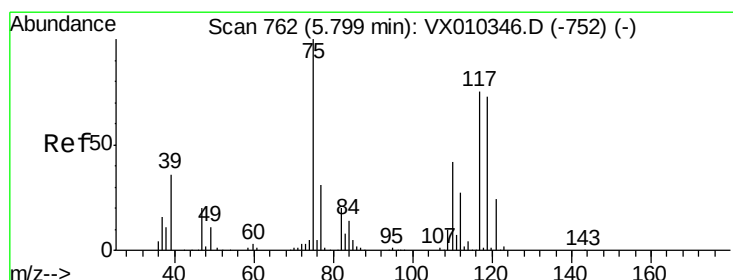
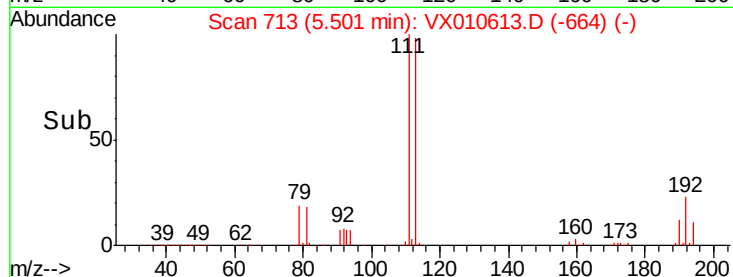
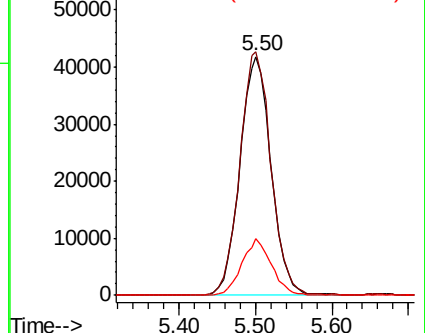
192 22.6 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.098 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

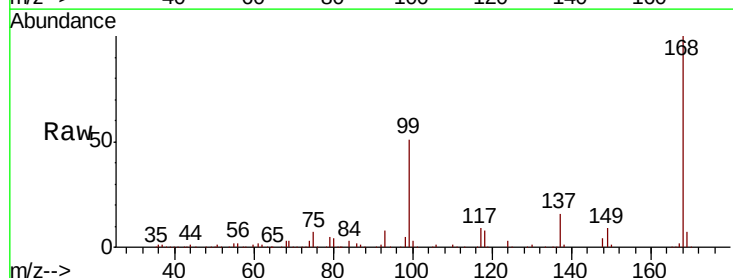
Tgt Ion: 75 Resp: 15912

Ion Ratio Lower Upper

75 100

110 11.2 20.8 62.2#

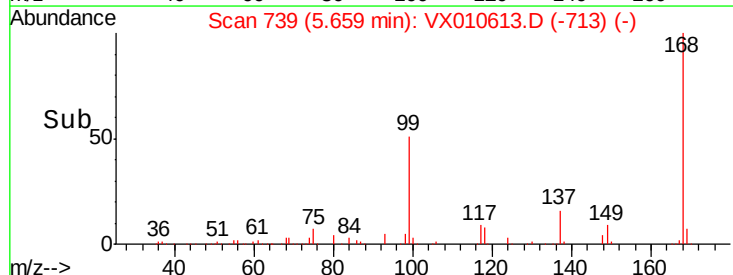
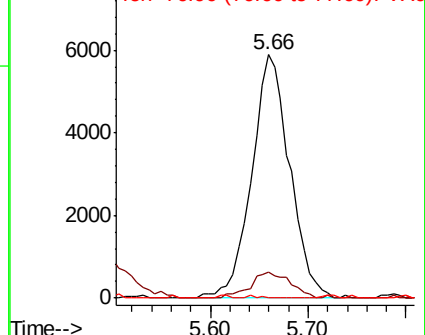
77 0.3 25.4 38.0#

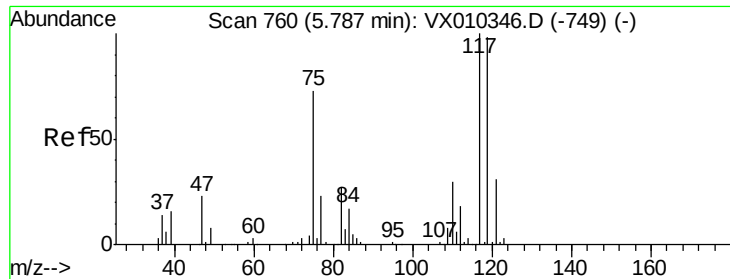


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampled :

TWR2

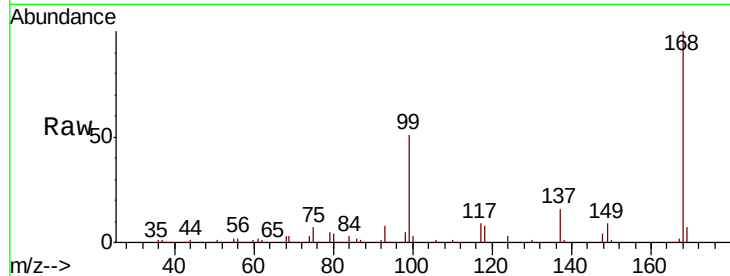
Tot Ion:117 Resp: 21942

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

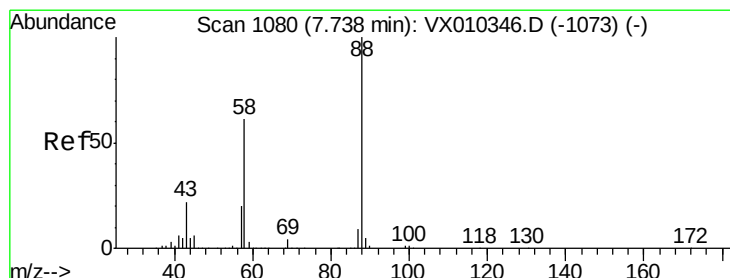
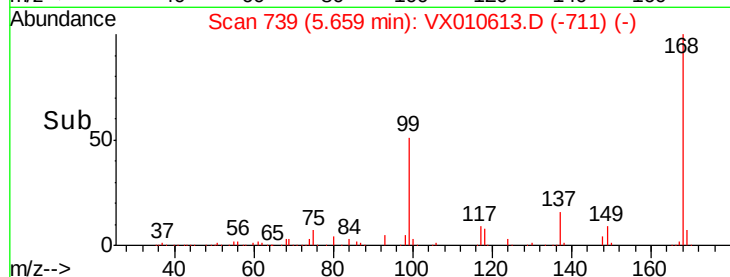
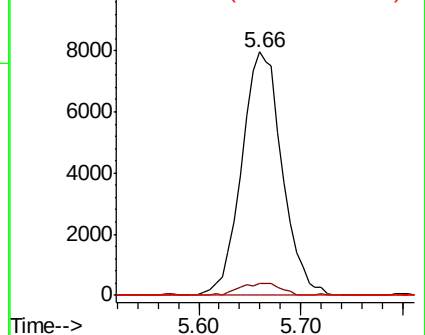
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.309 ug/l

RT: 7.61 min Scan# 1059

Delta R.T. -0.13 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

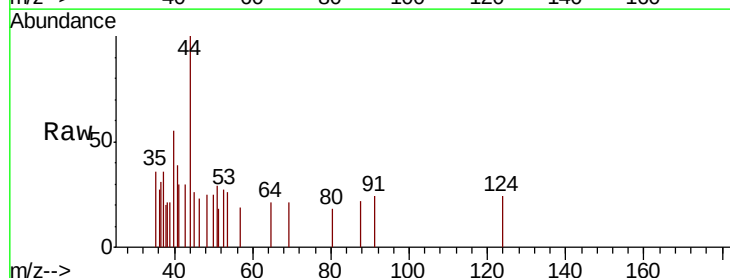
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 600.0 20.2 30.2#

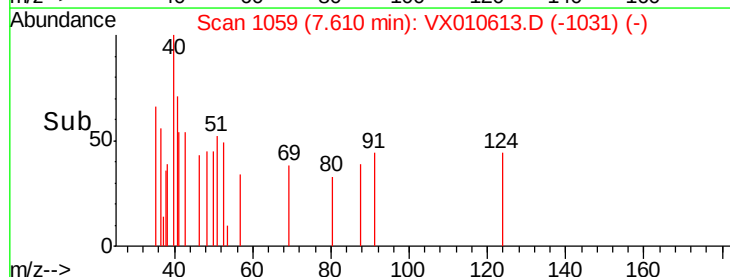
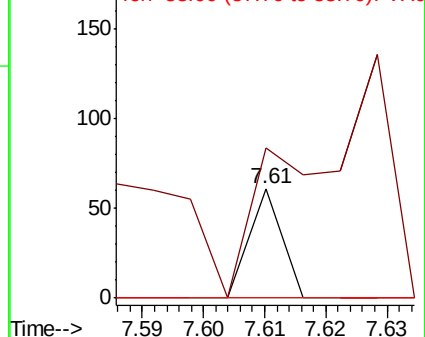
58 0.0 49.5 74.3#

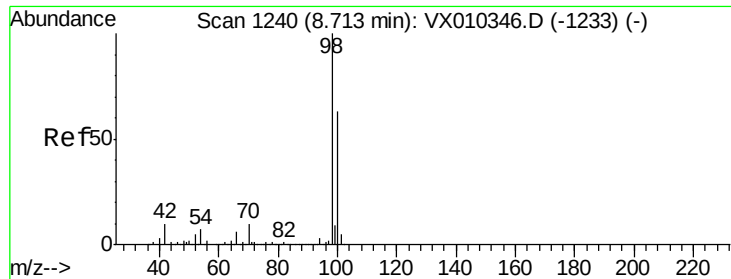


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

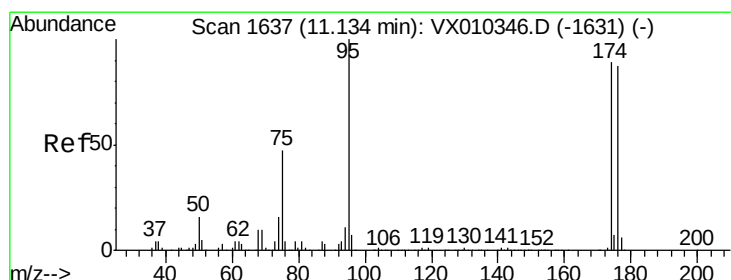
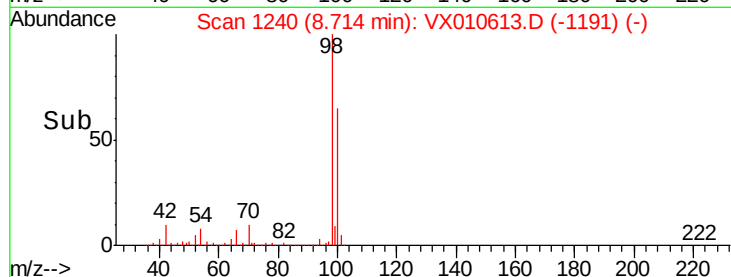
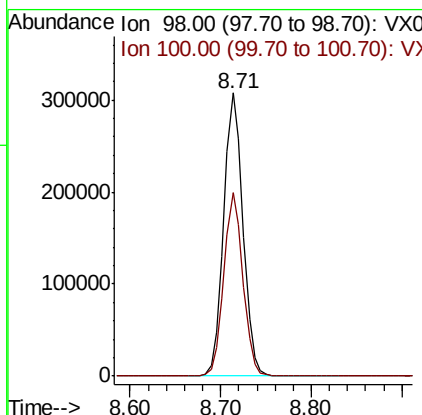
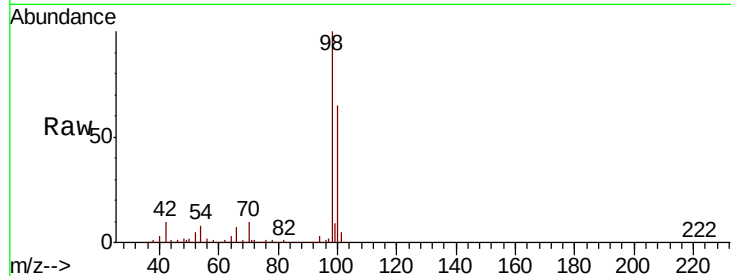




#50
Toluene-d8
Concen: 49.713 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010613.D
Acq: 02 Jul 2019 13:40

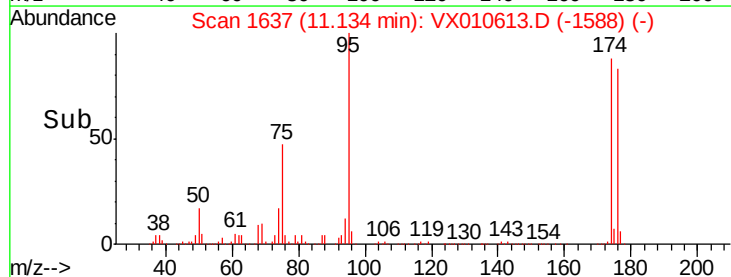
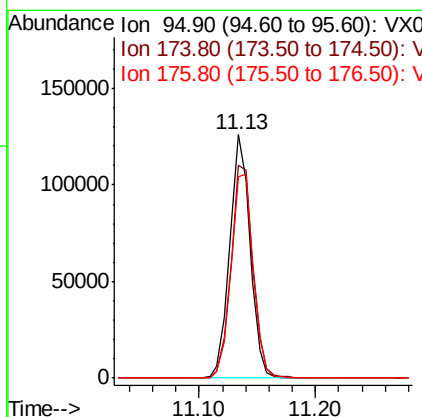
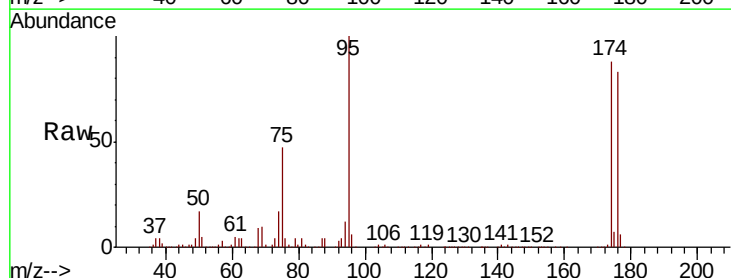
Instrument :
MSVOA_X
ClientSampleId :
TWR2

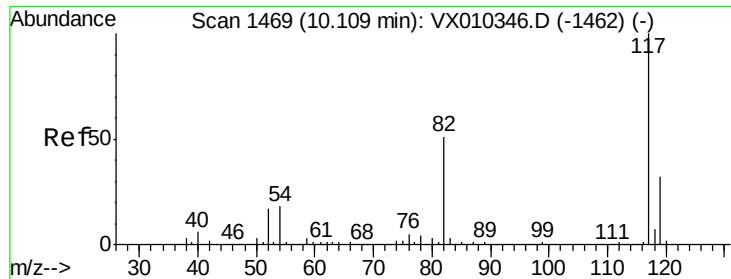
Tot Ion: 98 Resp: 457026
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.409 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010613.D
Acq: 02 Jul 2019 13:40

Tgt Ion: 95 Resp: 154035
Ion Ratio Lower Upper
95 100
174 93.5 0.0 187.6
176 91.3 0.0 184.0

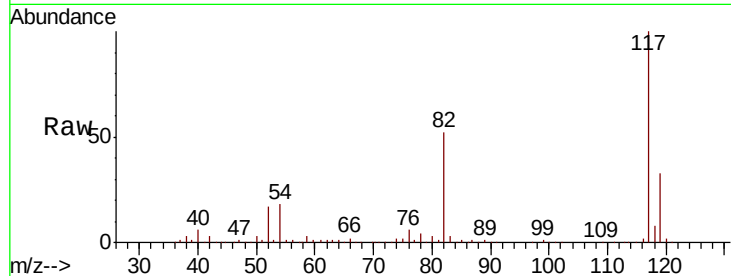




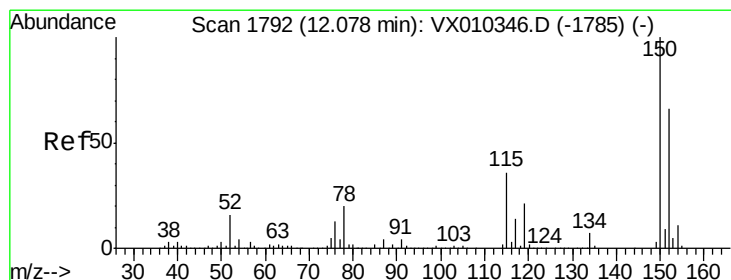
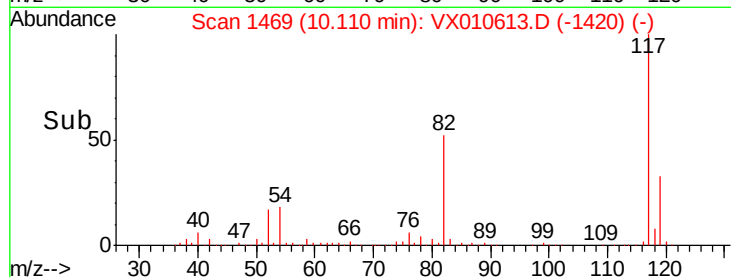
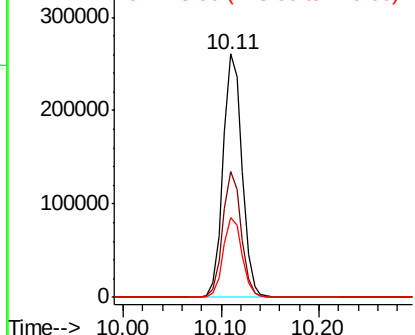
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010613.D
Acq: 02 Jul 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
TWR2

Tot Ion:117 Resp: 351534
Ion Ratio Lower Upper
117 100
82 51.6 41.2 61.8
119 32.6 25.5 38.3

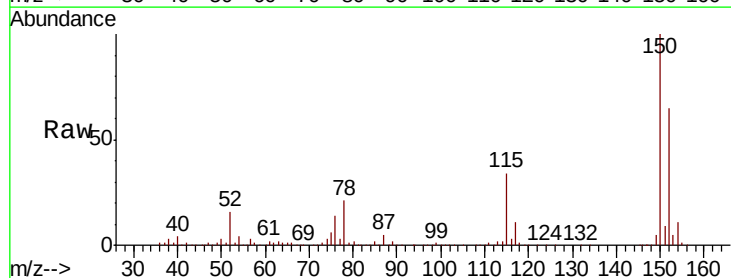


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

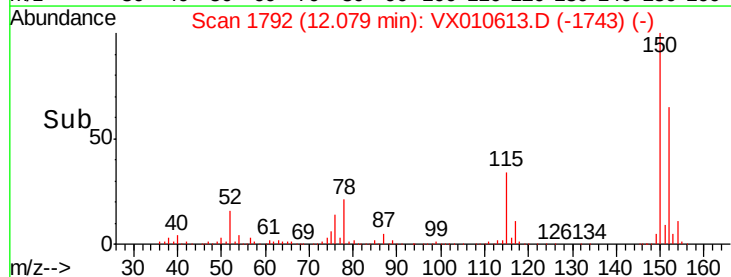
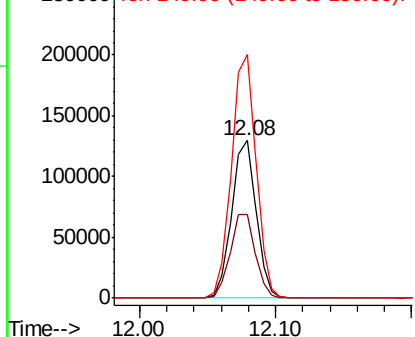


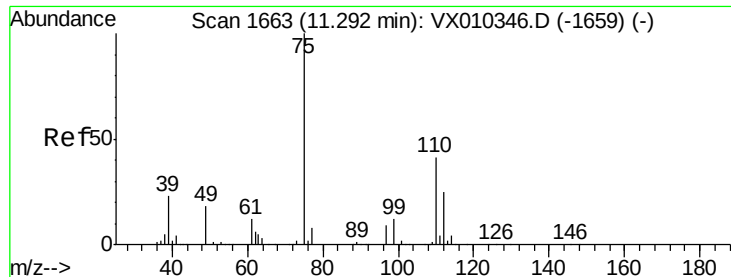
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010613.D
Acq: 02 Jul 2019 13:40

Tgt Ion:152 Resp: 162460
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 155.4 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.198 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

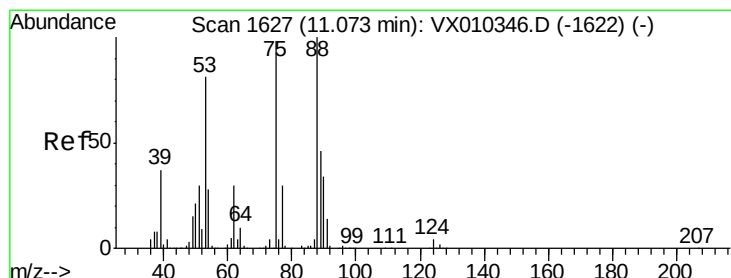
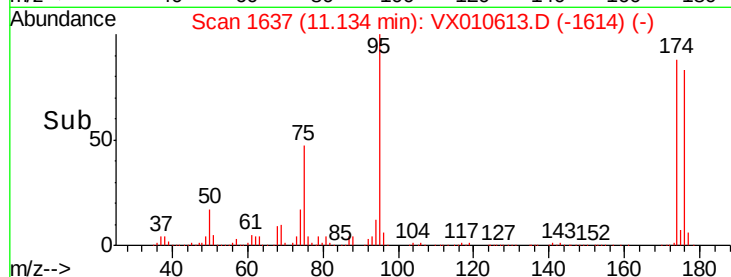
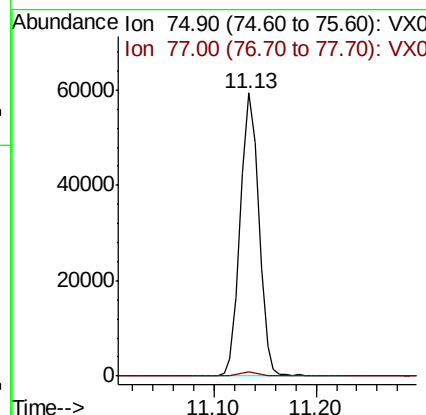
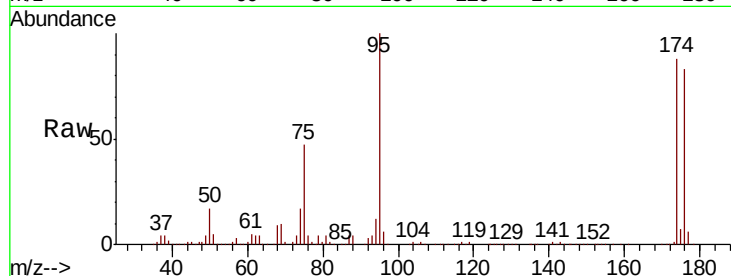
TWR2

Tot Ion: 75 Resp: 74598

Ion Ratio Lower Upper

75 100

77 1.6 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.785 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010613.D

Acq: 02 Jul 2019 13:40

Tgt Ion: 75 Resp: 74598

Ion Ratio Lower Upper

75 100

53 0.3 66.1 99.1#

89 0.0 37.8 56.6#

