

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011517.D
 Acq On : 13 Aug 2019 05:07
 Operator : JC/SP
 Sample : K4278-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0696

Quant Time: Aug 13 07:49:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

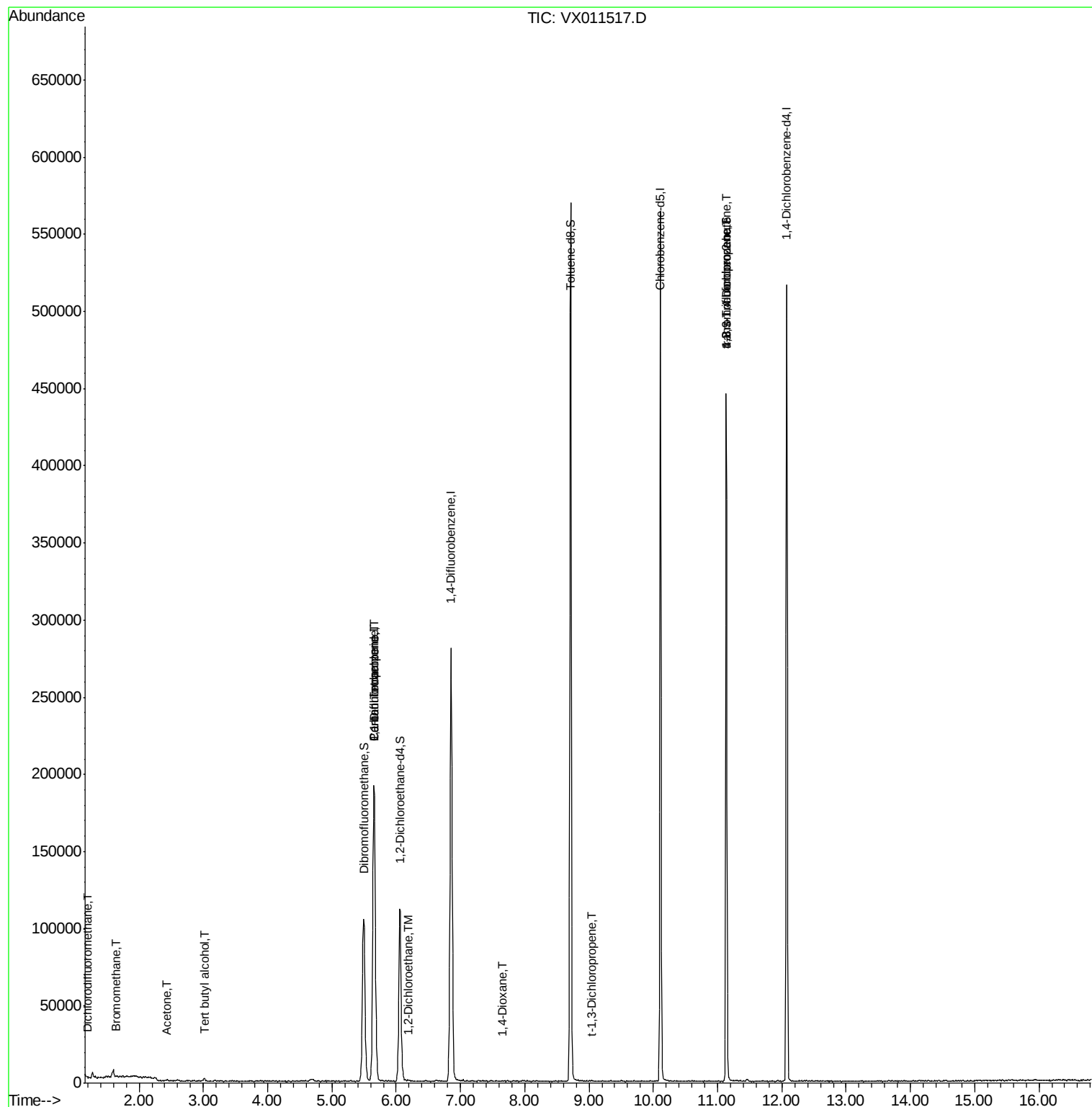
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	187483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110467	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	106128	56.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.42%	
35) Dibromofluoromethane	5.49	113	88774	47.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.70%	
50) Toluene-d8	8.71	98	332209	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.86%	
62) 4-Bromofluorobenzene	11.13	95	108244	43.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	373	0.258	ug/l	97
5) Bromomethane	1.64	94	267	0.209	ug/l #	72
6) Chloroethane	1.71	64	303	Below Cal	#	80
11) Tert butyl alcohol	3.02	59	1159	3.101	ug/l #	83
13) Acrolein	2.26	56	19	Below Cal	#	1
16) Acetone	2.43	43	656	0.730	ug/l #	61
36) 1,1-Dichloropropene	5.66	75	13236	5.334	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17732	7.103	ug/l #	16
42) 1,2-Dichloroethane	6.19	62	515	0.206	ug/l #	72
49) 1,4-Dioxane	7.65	88	47	0.866	ug/l #	1
53) t-1,3-Dichloropropene	9.03	75	19	2.845	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	55678	27.677	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	55678	71.739	ug/l #	10

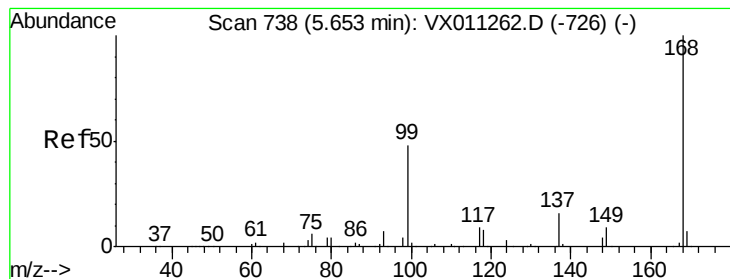
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
Data File : VX011517.D
Acq On : 13 Aug 2019 05:07
Operator : JC/SP
Sample : K4278-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-0696

Quant Time: Aug 13 07:49:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampleId :

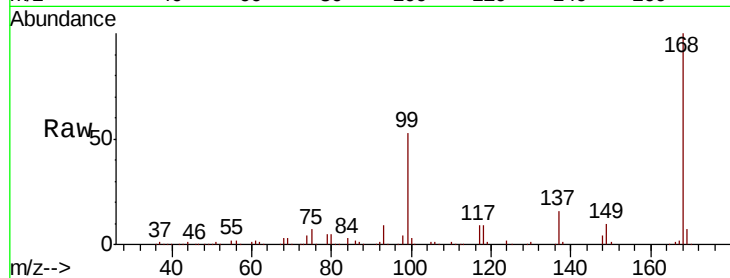
Z3-0696

Tgt Ion:168 Resp: 187483

Ion Ratio Lower Upper

168 100

99 52.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

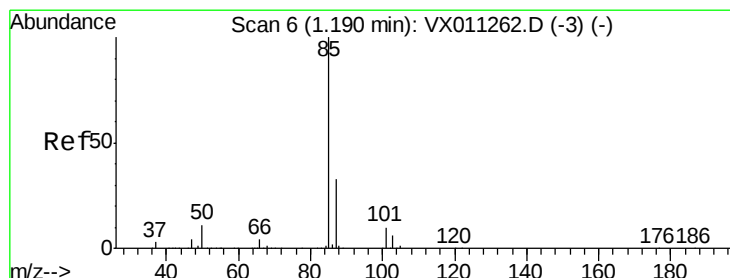
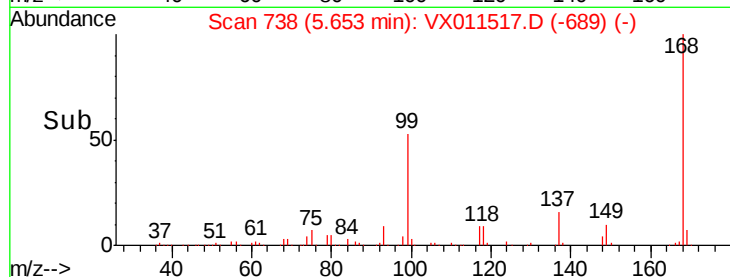
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.258 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX011517.D

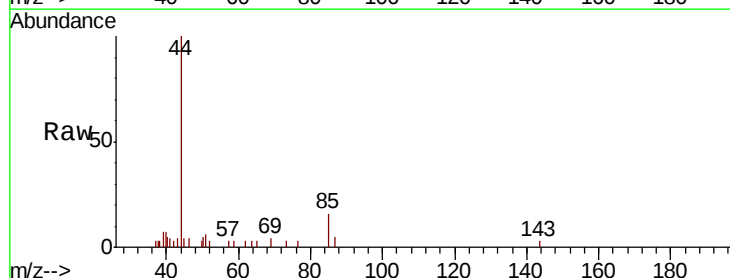
Acq: 13 Aug 2019 05:07

Tgt Ion: 85 Resp: 373

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

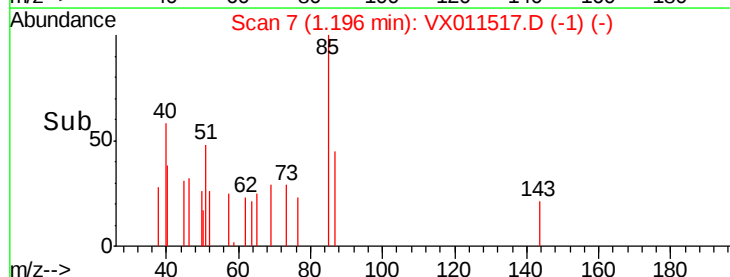
300

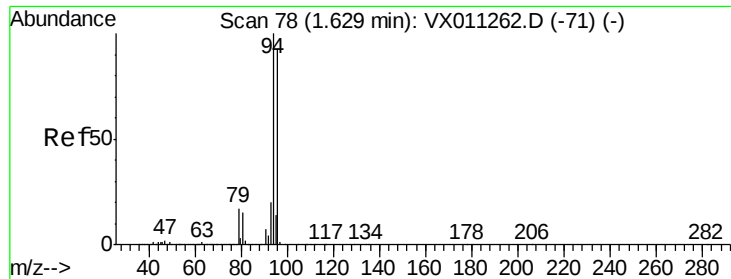
200

100

0

Time--> 1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampled :

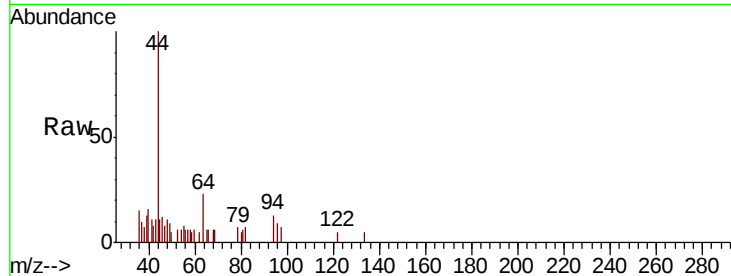
Z3-0696

Tgt Ion: 94 Resp: 267

Ion Ratio Lower Upper

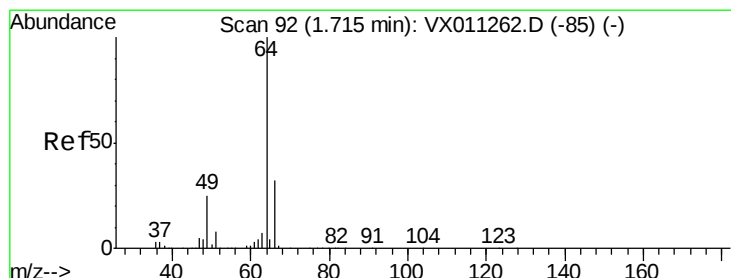
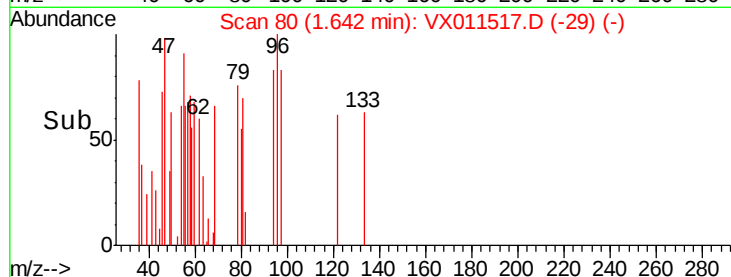
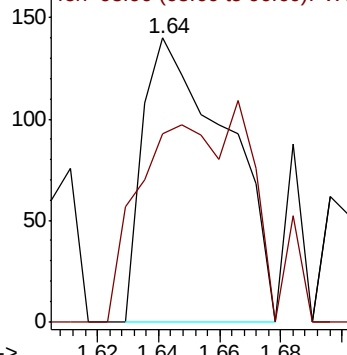
94 100

96 66.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011517.D

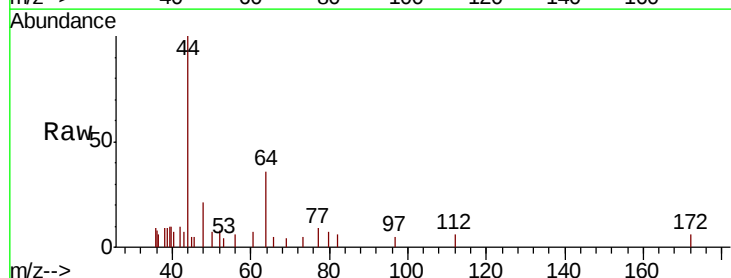
Acq: 13 Aug 2019 05:07

Tgt Ion: 64 Resp: 303

Ion Ratio Lower Upper

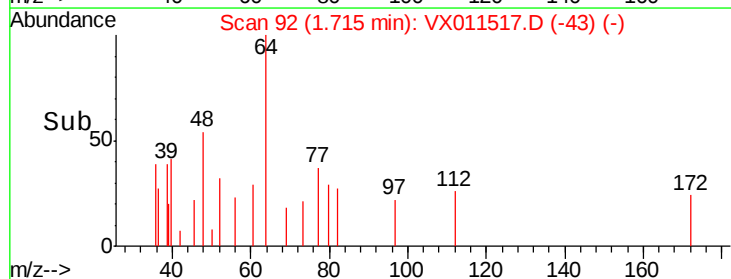
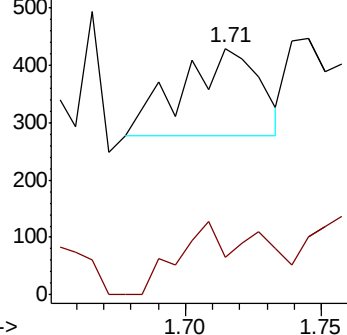
64 100

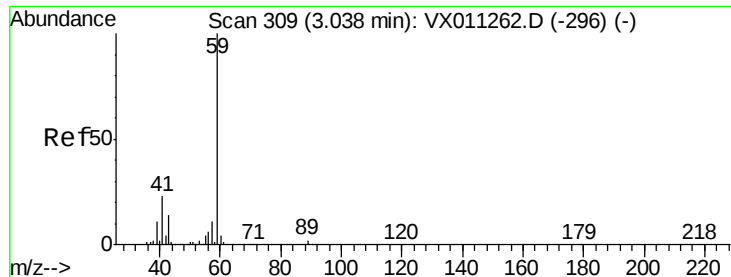
66 42.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

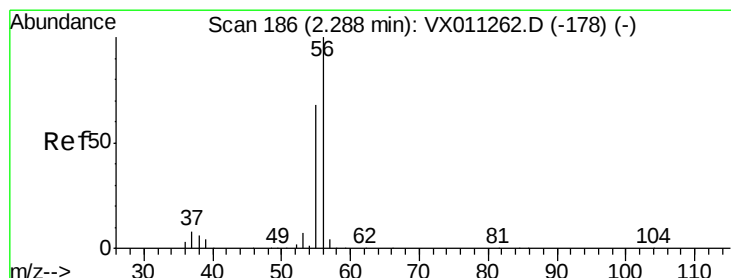
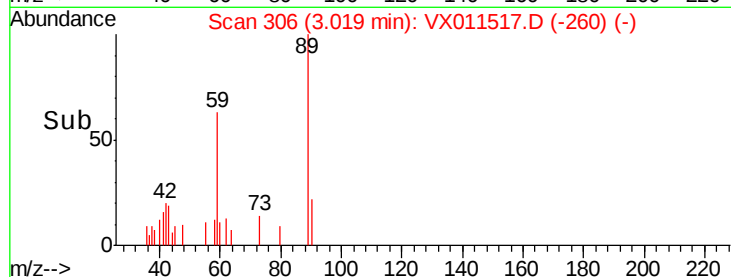
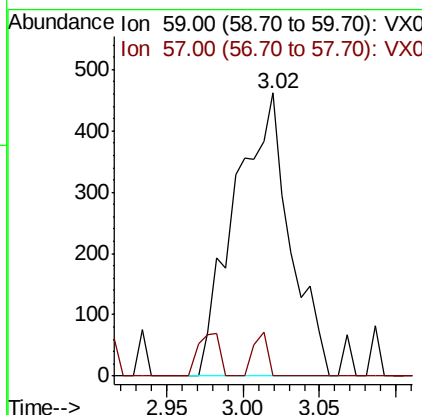
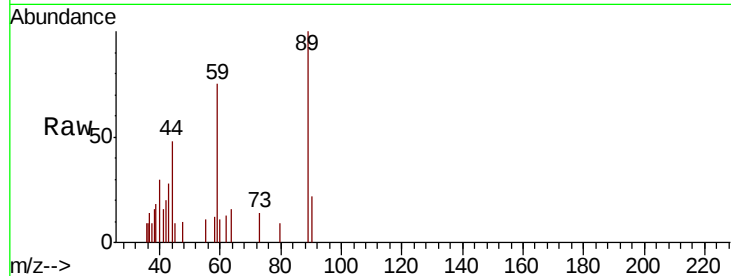




#11
Tert butyl alcohol
Concen: 3.101 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011517.D
Acq: 13 Aug 2019 05:07

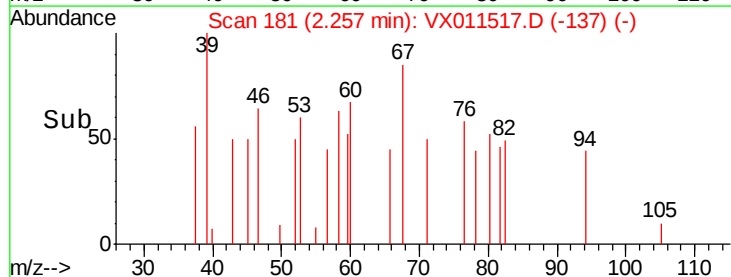
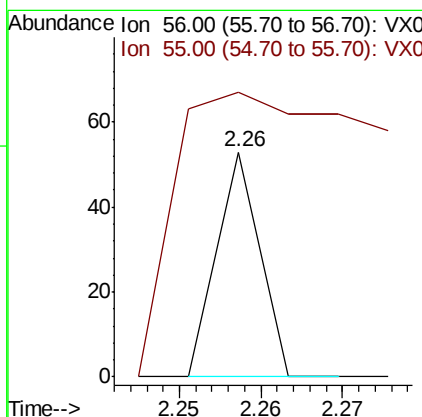
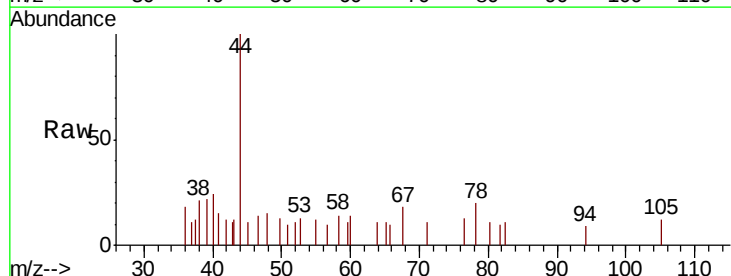
Instrument :
MSVOA_X
ClientSampled :
Z3-0696

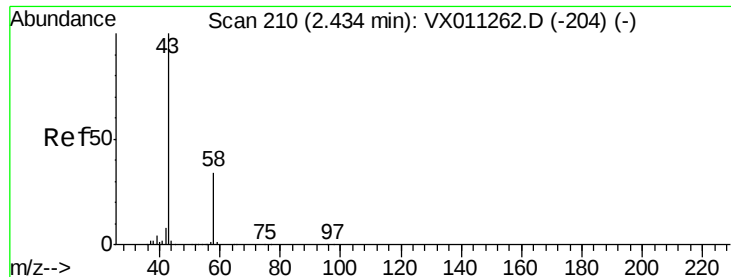
Tgt Ion: 59 Resp: 1159
Ion Ratio Lower Upper
59 100
57 3.9 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 2.26 min Scan# 181
Delta R.T. -0.03 min
Lab File: VX011517.D
Acq: 13 Aug 2019 05:07

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 942.1 56.0 84.0#





#16

Acetone

Concen: 0.730 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampleId :

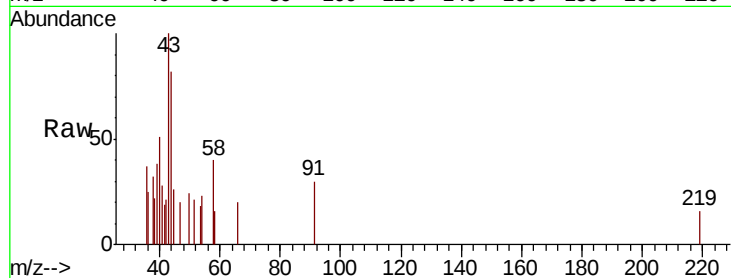
Z3-0696

Tgt Ion: 43 Resp: 656

Ion Ratio Lower Upper

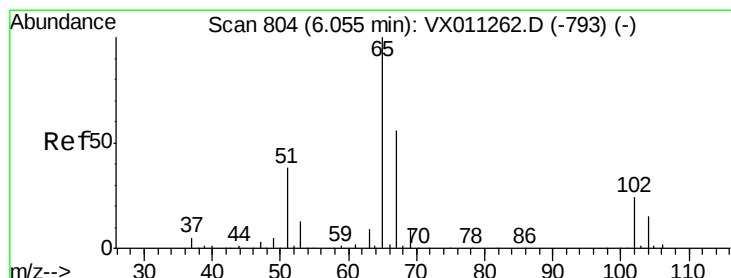
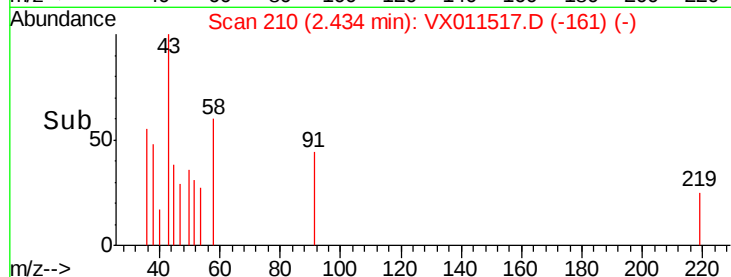
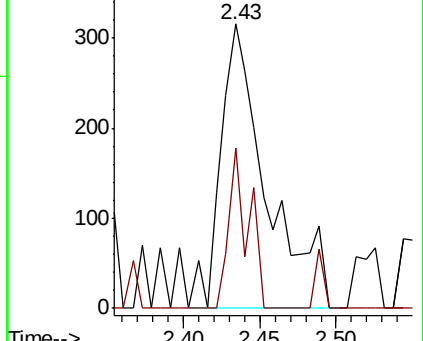
43 100

58 56.3 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 56.210 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011517.D

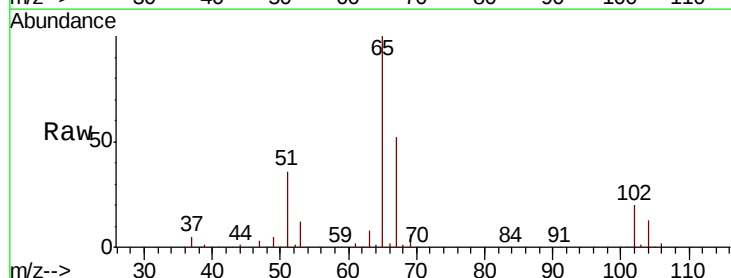
Acq: 13 Aug 2019 05:07

Tgt Ion: 65 Resp: 106128

Ion Ratio Lower Upper

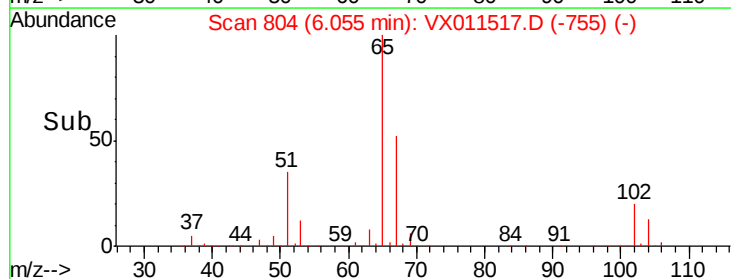
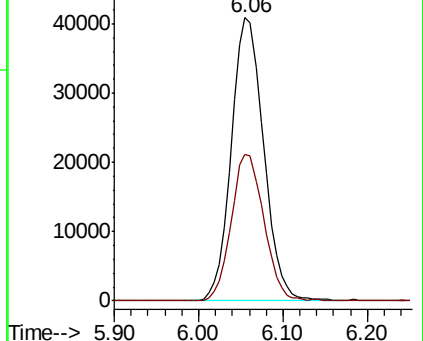
65 100

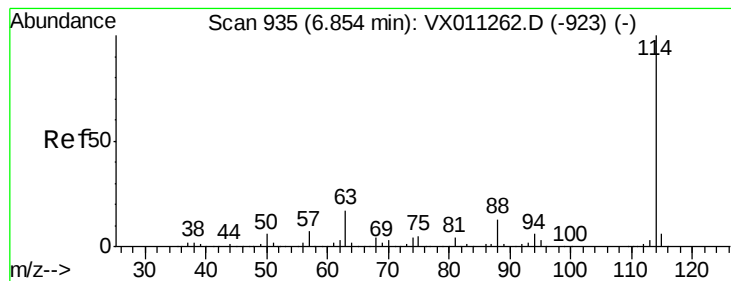
67 52.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0696

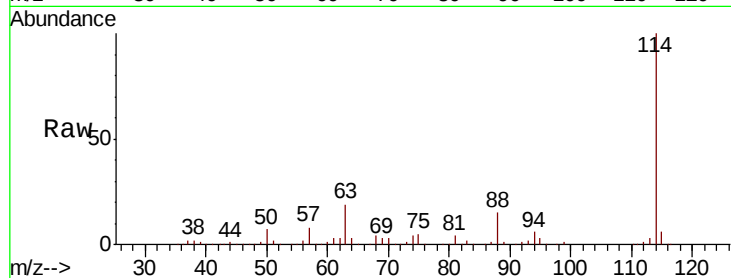
Tgt Ion:114 Resp: 284190

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

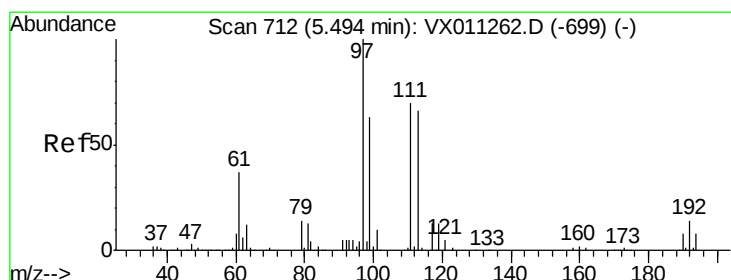
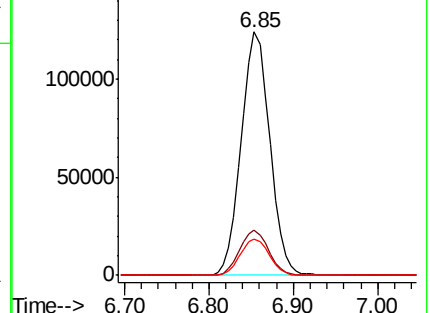
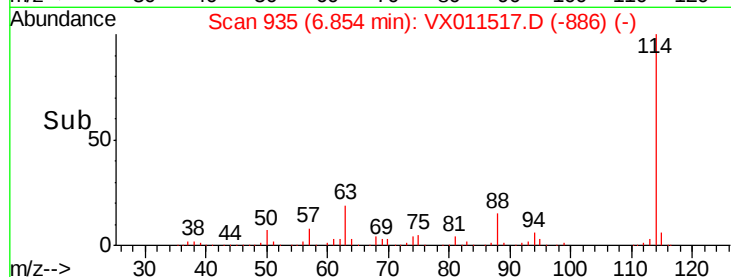
88 15.1 0.0 26.4



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: 47.846 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

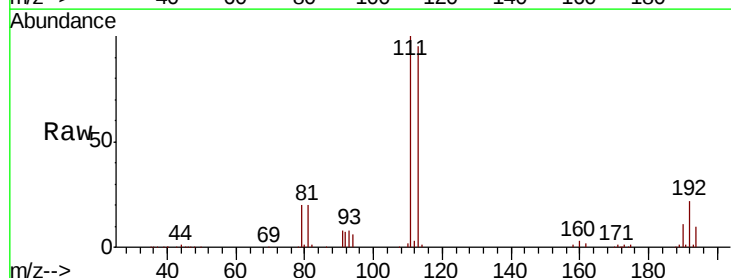
Tgt Ion:113 Resp: 88774

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

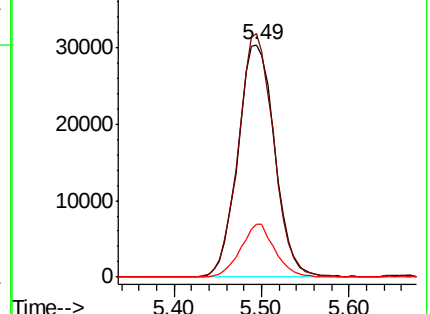
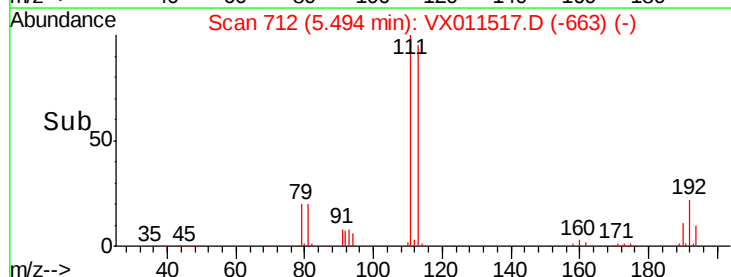
192 21.0 17.8 26.8

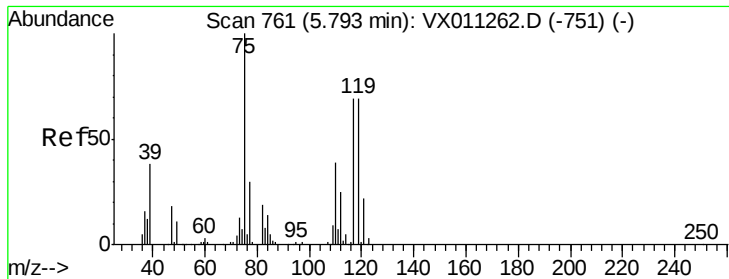


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.334 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0696

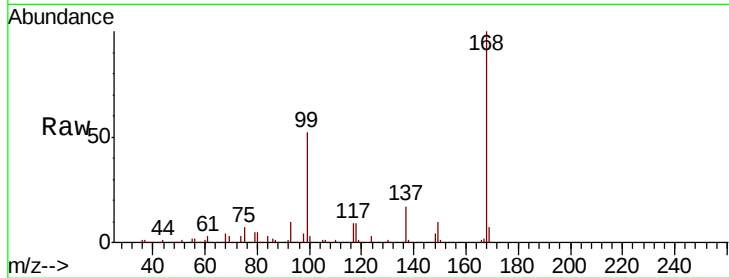
Tgt Ion: 75 Resp: 13236

Ion Ratio Lower Upper

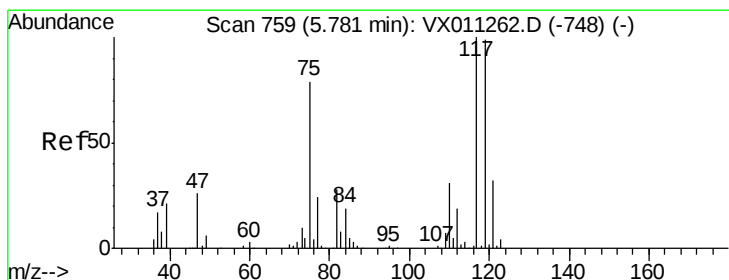
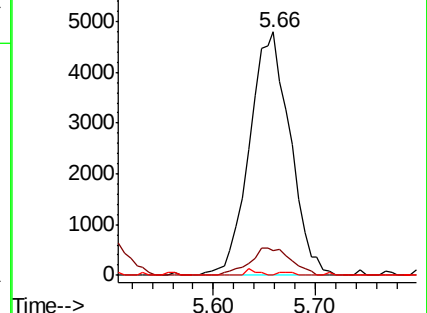
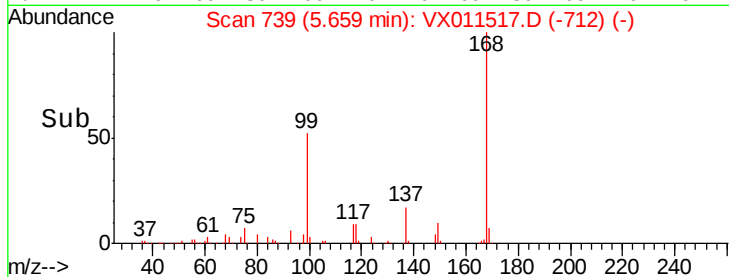
75 100

110 11.5 20.0 59.9#

77 0.5 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX011517.D (-712) (-)



#38

Carbon Tetrachloride

Concen: 7.103 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

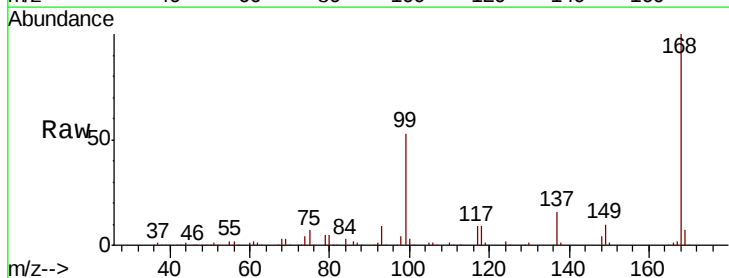
Tgt Ion: 117 Resp: 17732

Ion Ratio Lower Upper

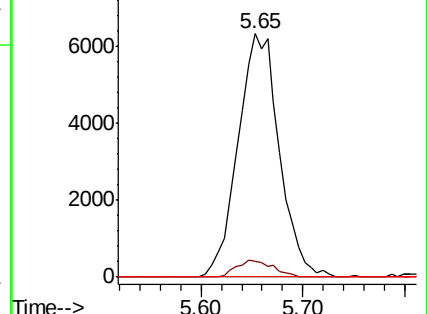
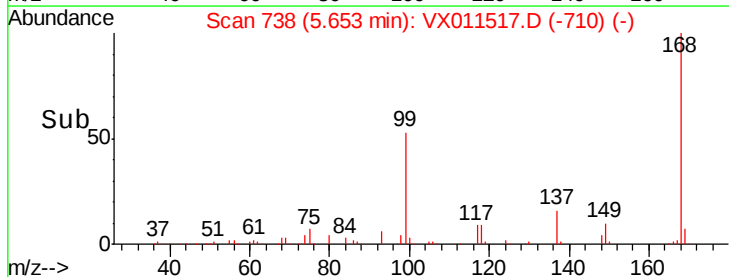
117 100

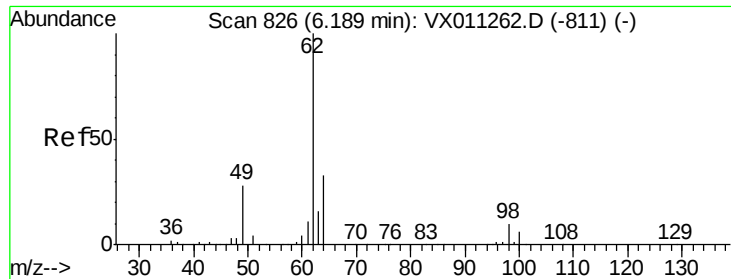
119 6.5 79.0 118.4#

121 0.0 25.9 38.9#



Abundance Ion 116.80 (116.50 to 117.50): VX011517.D (-710) (-)





#42

1,2-Dichloroethane

Concen: 0.206 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampled :

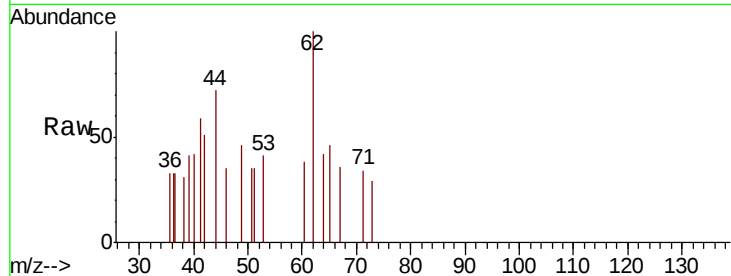
Z3-0696

Tgt Ion: 62 Resp: 515

Ion Ratio Lower Upper

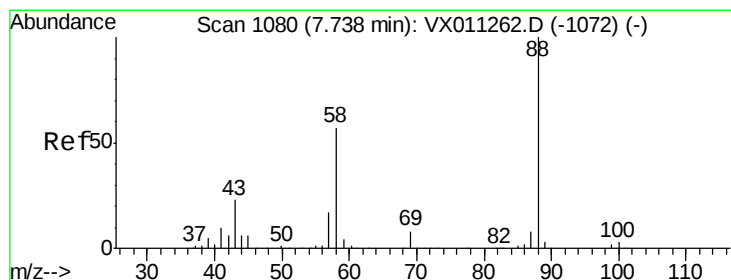
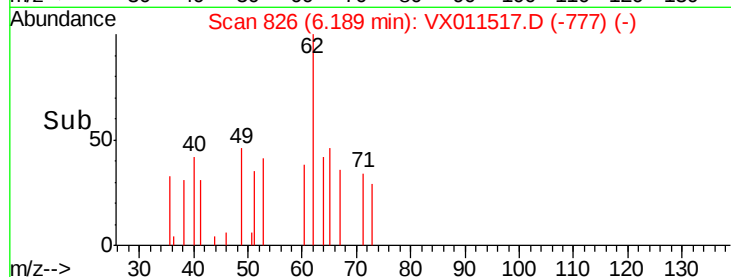
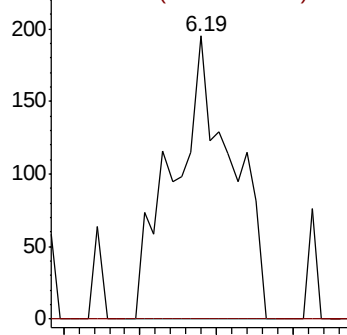
62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#49

1,4-Dioxane

Concen: 0.866 ug/l

RT: 7.65 min Scan# 1065

Delta R.T. -0.09 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

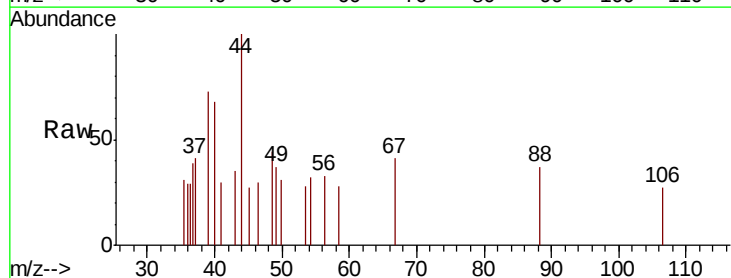
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 119.1 22.2 33.2#

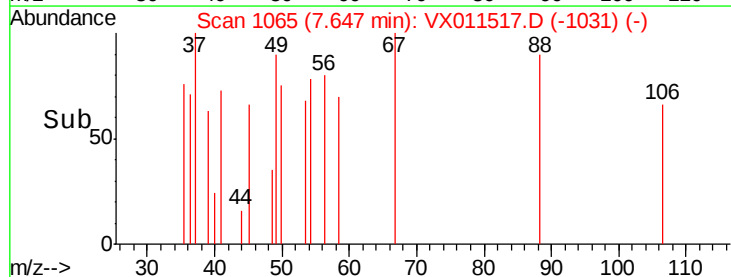
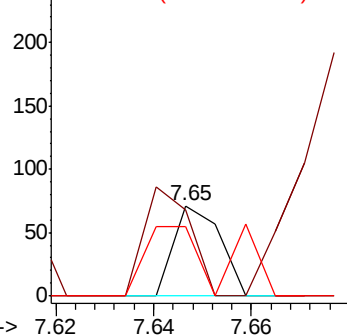
58 0.0 47.8 71.8#

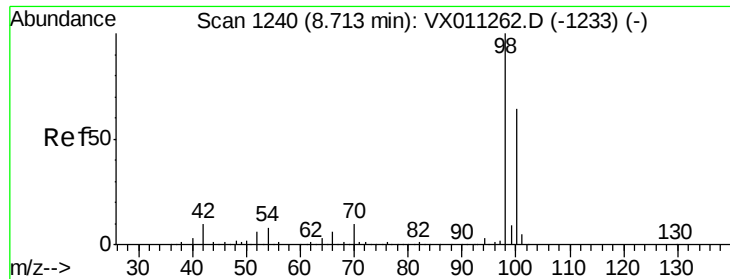


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.434 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampleId :

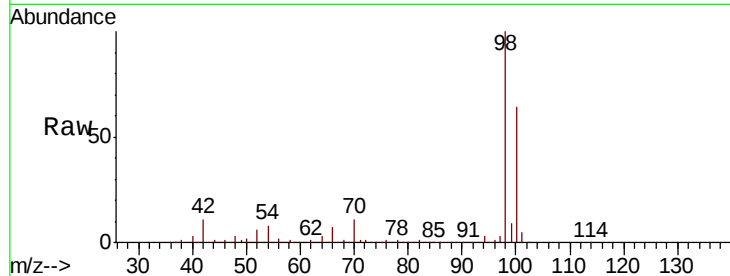
Z3-0696

Tgt Ion: 98 Resp: 332209

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

250000

200000

150000

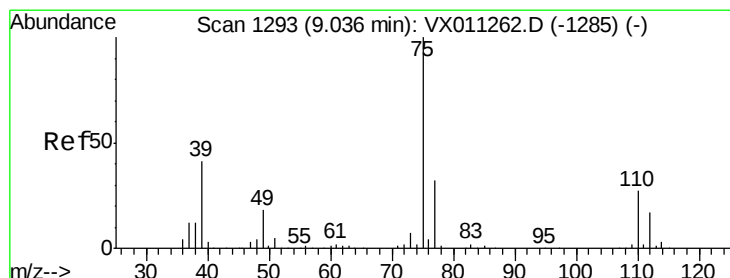
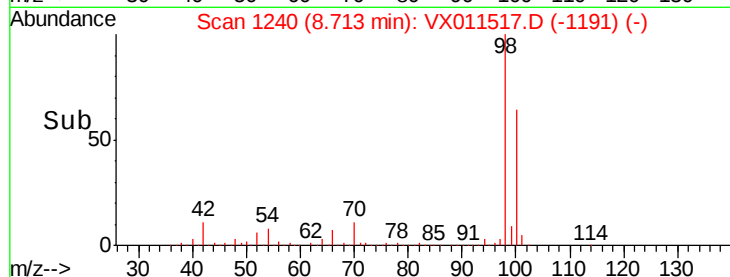
100000

50000

0

Time-->

8.60 8.65 8.70 8.75 8.80



#53

t-1,3-Dichloropropene

Concen: 2.845 ug/l

RT: 9.03 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX011517.D

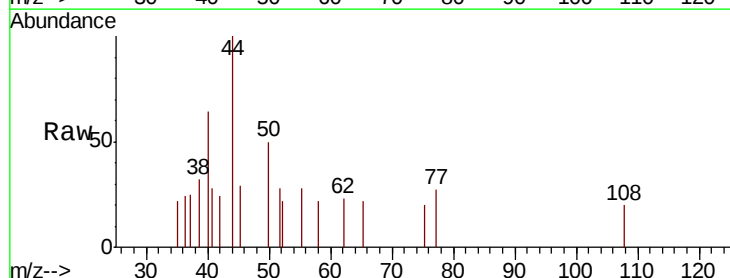
Acq: 13 Aug 2019 05:07

Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 136.5 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

80

60

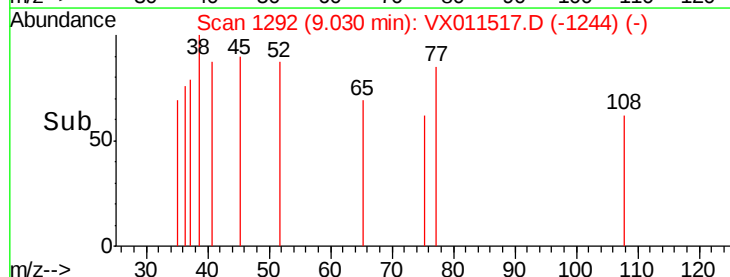
40

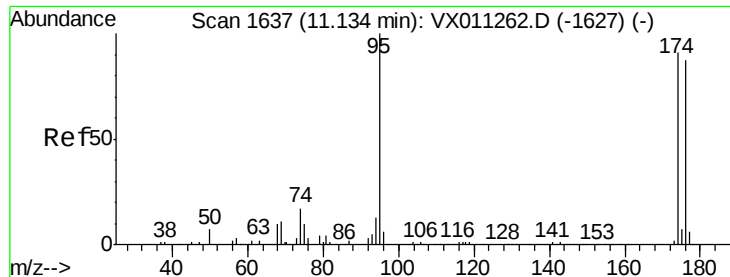
20

0

Time-->

9.01 9.02 9.03 9.04 9.05

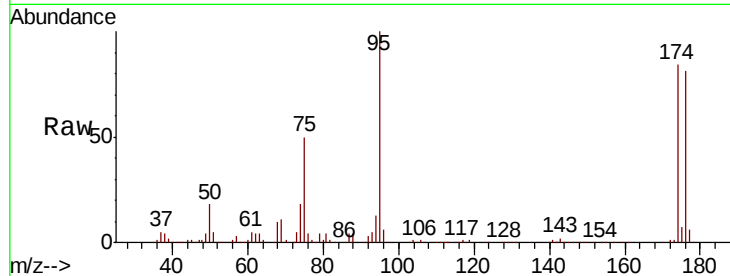




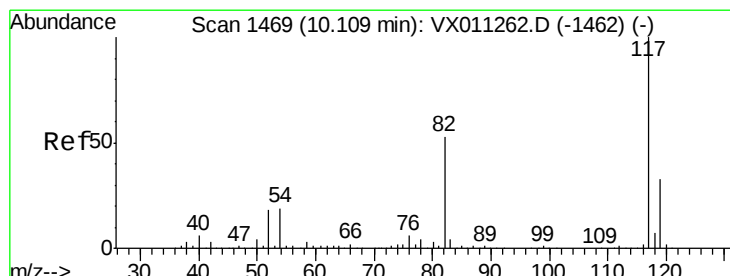
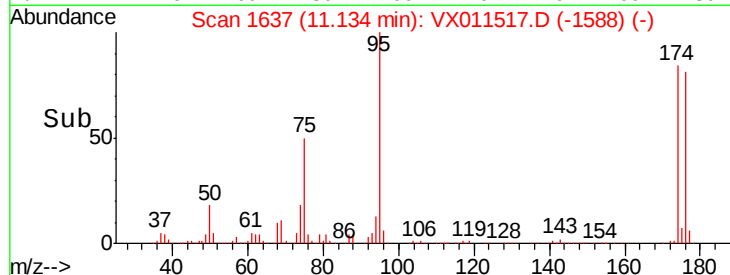
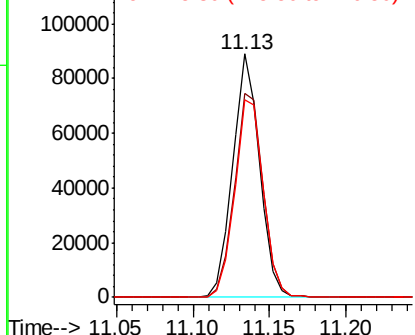
#62
4-Bromofluorobenzene
Concen: 43.289 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011517.D
Acq: 13 Aug 2019 05:07

Instrument :
MSVOA_X
ClientSampleId :
Z3-0696

Tgt Ion: 95 Resp: 108244
Ion Ratio Lower Upper
95 100
174 89.3 0.0 191.2
176 86.7 0.0 184.8

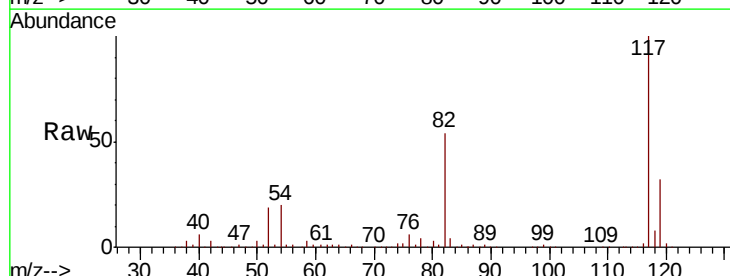


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

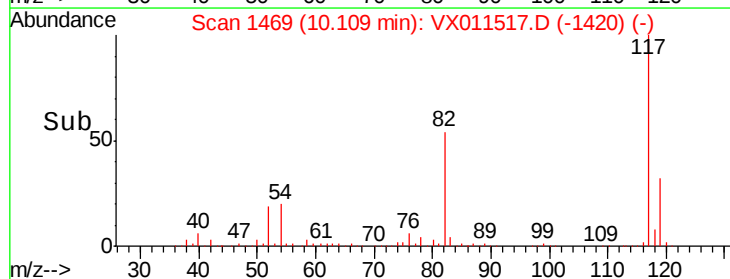
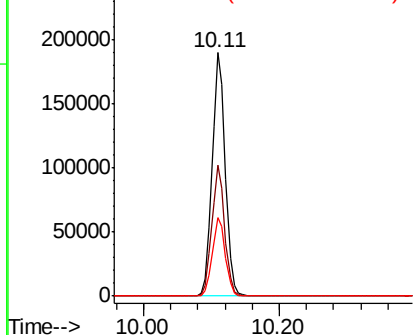


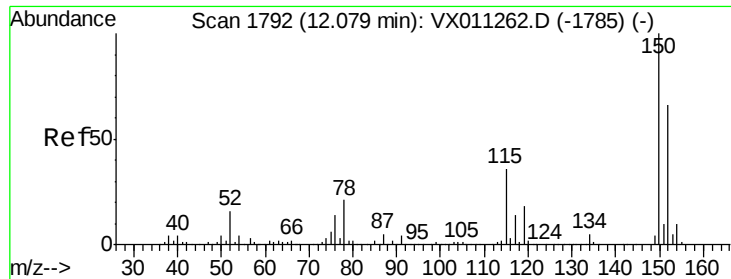
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011517.D
Acq: 13 Aug 2019 05:07

Tgt Ion: 117 Resp: 253286
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.2
119 32.1 26.6 39.8



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: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0696

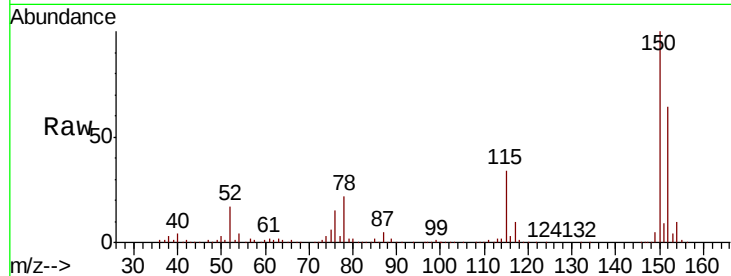
Tgt Ion:152 Resp: 110467

Ion Ratio Lower Upper

152 100

115 56.1 40.0 119.9

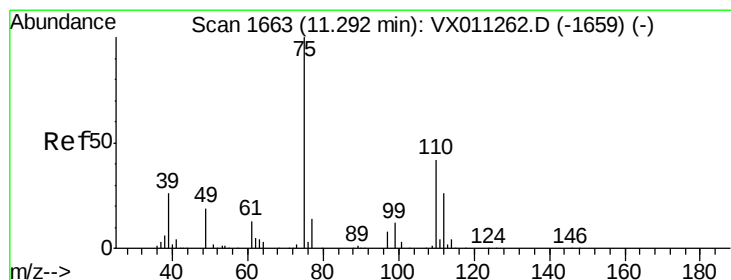
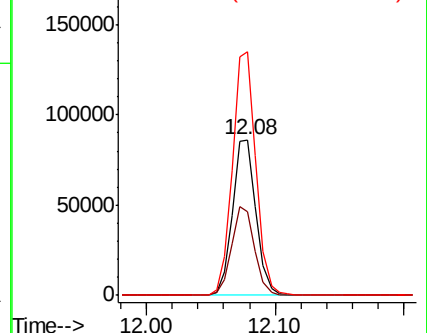
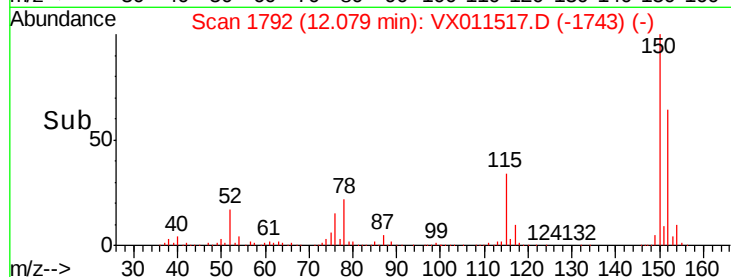
150 156.0 0.0 350.4



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: 27.677 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011517.D

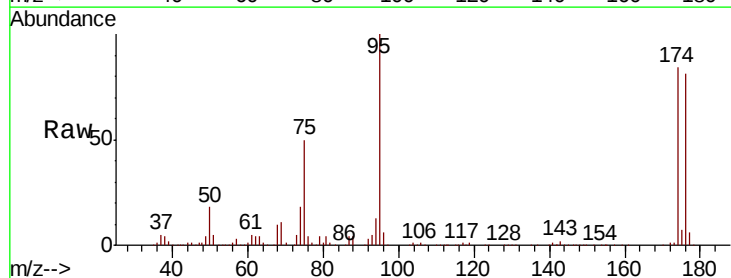
Acq: 13 Aug 2019 05:07

Tgt Ion: 75 Resp: 55678

Ion Ratio Lower Upper

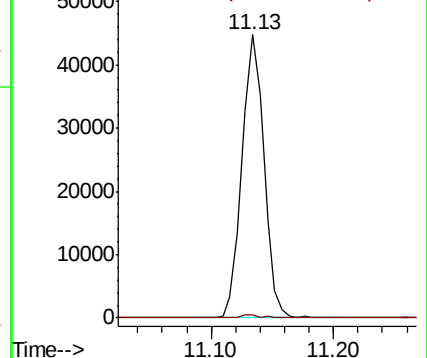
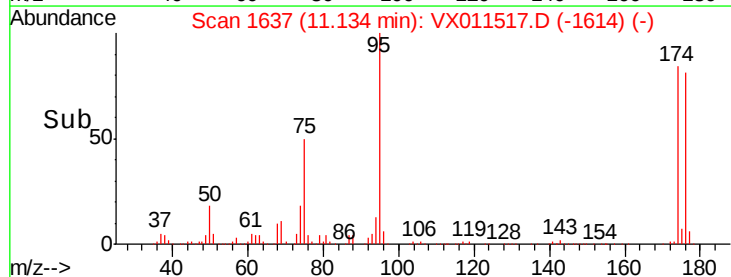
75 100

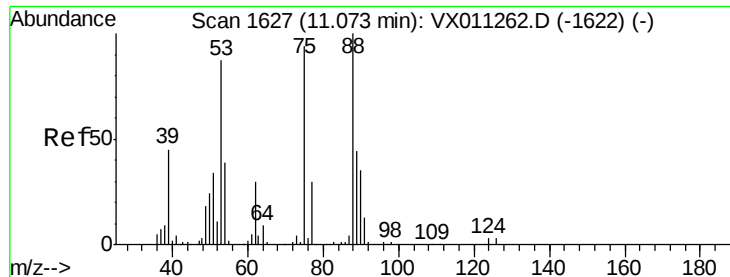
77 1.2 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.739 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011517.D

Acq: 13 Aug 2019 05:07

Instrument :

MSVOA_X

ClientSampleId :

Z3-0696

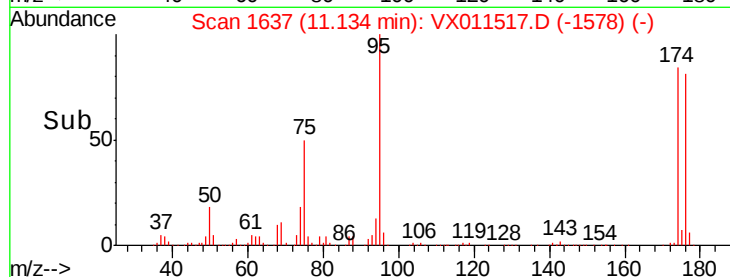
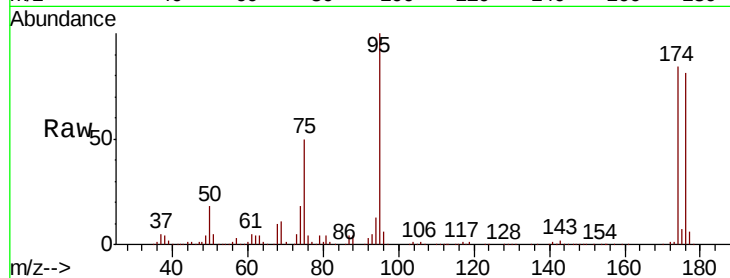
Tgt Ion: 75 Resp: 55678

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.1 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

