

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008215.D
 Acq On : 20 Mar 2019 02:22
 Operator : JC/SP
 Sample : K1900-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 08:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	331842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	537300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	450347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176020	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	228759	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
35) Dibromofluoromethane	5.50	113	167719	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	8.71	98	656177	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.13	95	206841	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	

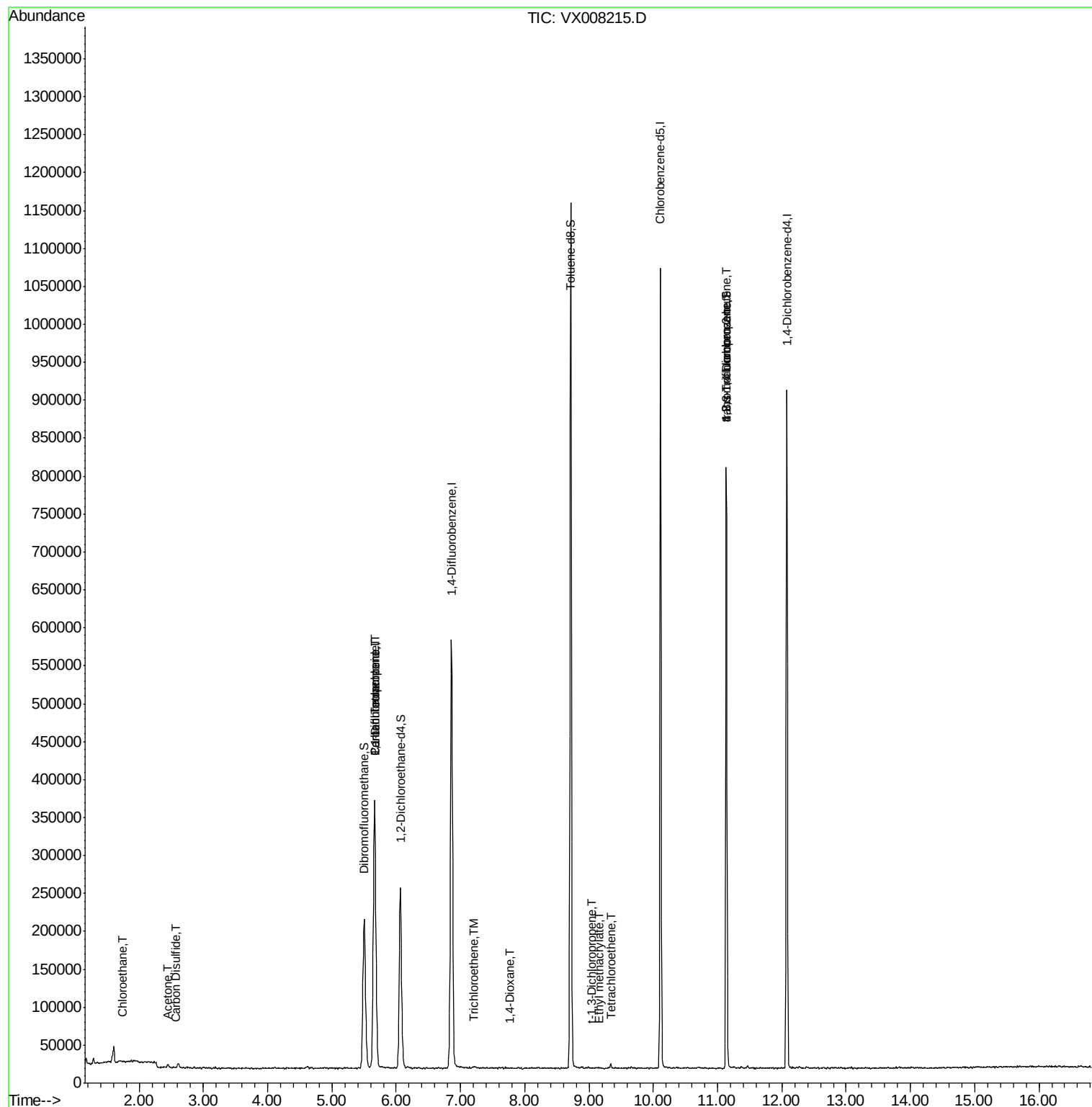
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	1837	0.582	ug/l #	43
13) Acrolein	2.30	56	79	Below Cal	#	1
16) Acetone	2.45	43	5233	1.846	ug/l	99
17) Carbon Disulfide	2.57	76	1129	0.760	ug/l #	79
36) 1,1-Dichloropropene	5.67	75	27710	4.430	ug/l #	49
38) Carbon Tetrachloride	5.67	117	32978	5.917	ug/l #	16
44) Trichloroethene	7.21	130	991	0.219	ug/l	84
49) 1,4-Dioxane	7.76	88	41	0.369	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	195	1.448	ug/l #	47
56) Ethyl methacrylate	9.16	69	219	0.554	ug/l #	26
64) Tetrachloroethene	9.34	164	900	0.222	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	108485	21.913	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	108485	55.694	ug/l #	12

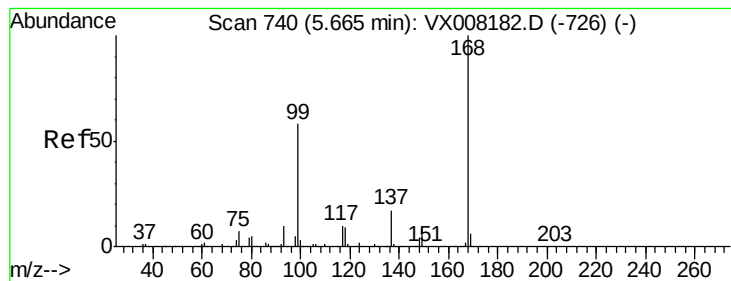
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 20 06:51:58 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: VX008215.D

Acq: 20 Mar 2019 02:22

Instrument :

MSVOA_X

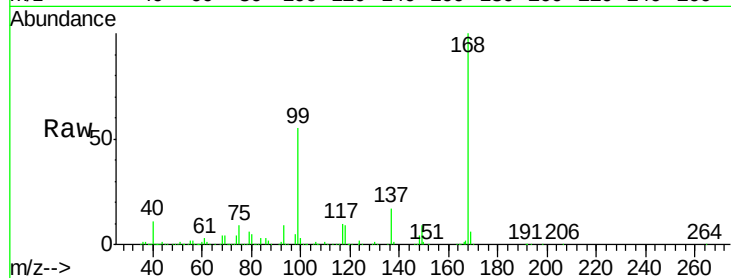
ClientSampleId :

Tot Ion:168 Resp: 331842

Ion Ratio Lower Upper

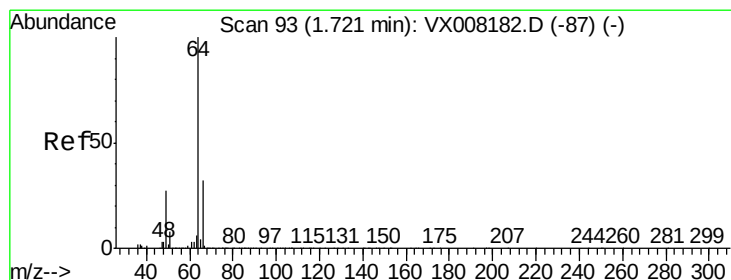
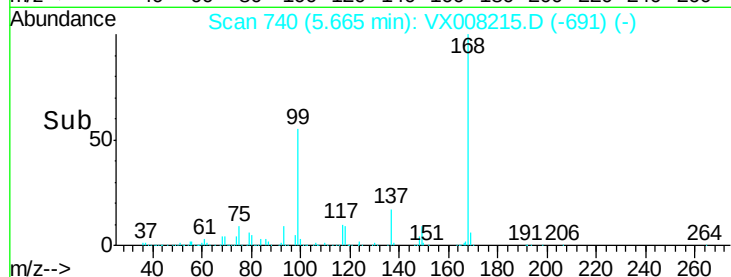
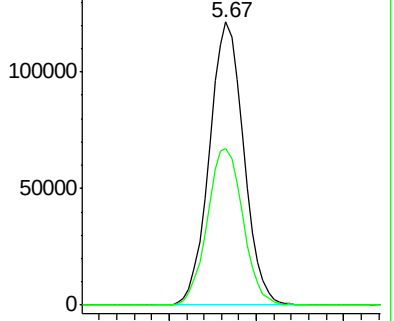
168 100

99 55.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.582 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX008215.D

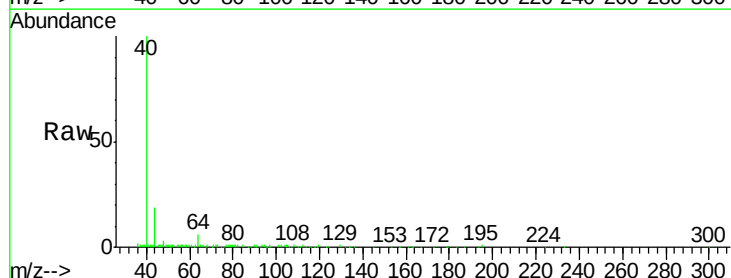
Acq: 20 Mar 2019 02:22

Tgt Ion: 64 Resp: 1837

Ion Ratio Lower Upper

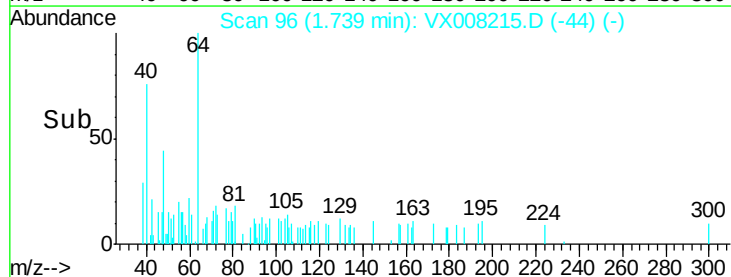
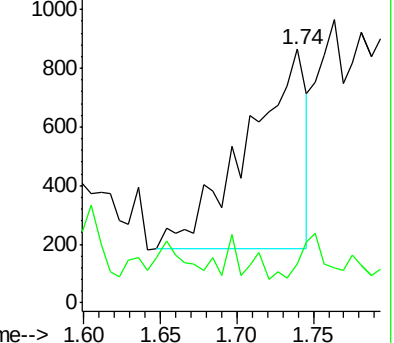
64 100

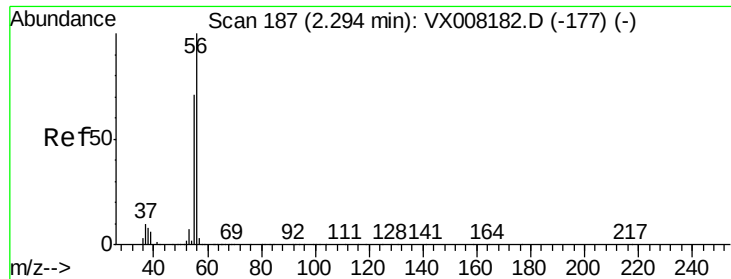
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

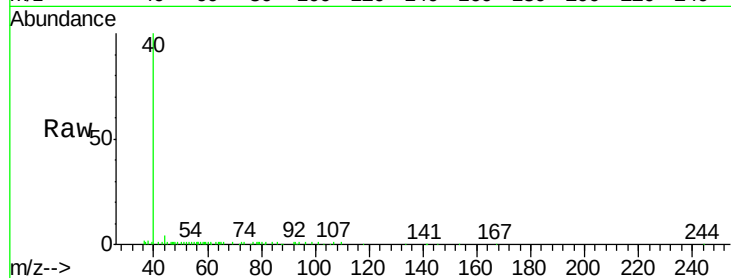
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 79

Ion Ratio Lower Upper

56 100

55 267.1 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

2.29 2.29 2.30 2.31 2.31

250

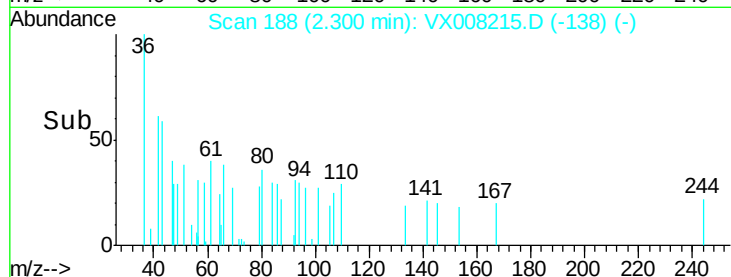
200

150

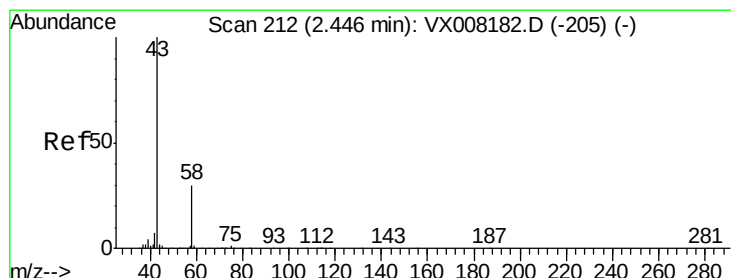
100

50

0



Time-->



#16

Acetone

Concen: 1.846 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008215.D

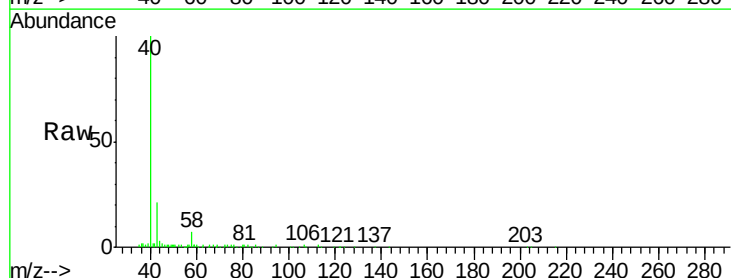
Acq: 20 Mar 2019 02:22

Tgt Ion: 43 Resp: 5233

Ion Ratio Lower Upper

43 100

58 31.3 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

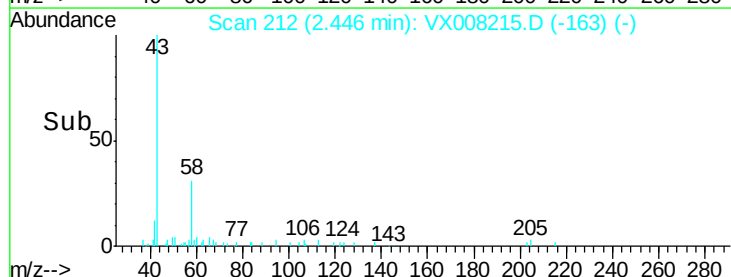
2.35 2.40 2.45 2.50 2.55

3000

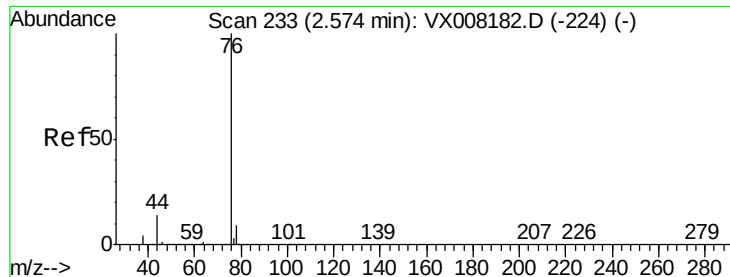
2000

1000

0



Time-->



#17

Carbon Disulfide

Concen: 0.760 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

Instrument :

MSVOA_X

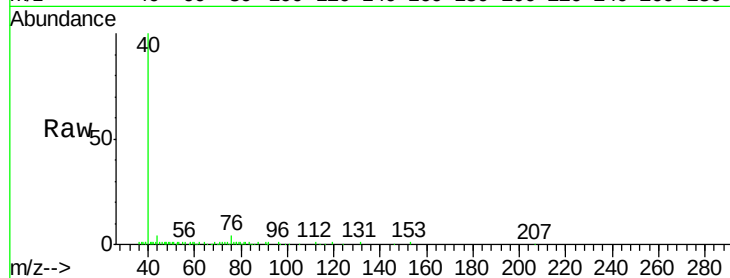
ClientSampleId :

Tot Ion: 76 Resp: 1129

Ion Ratio Lower Upper

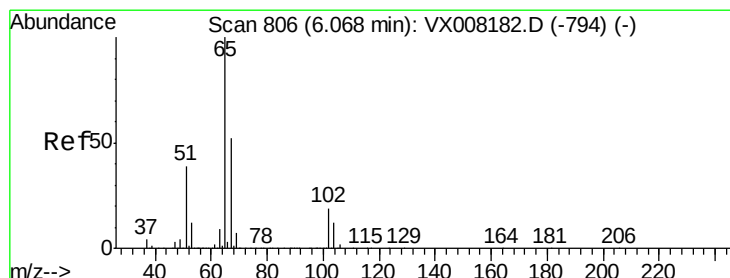
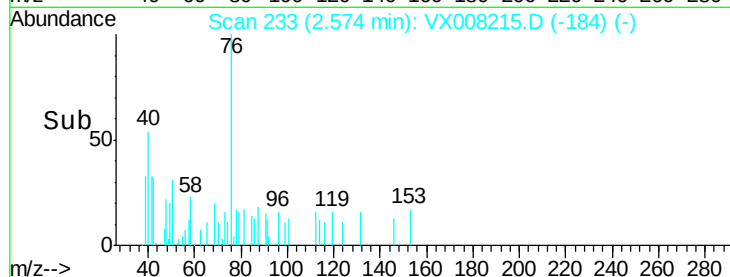
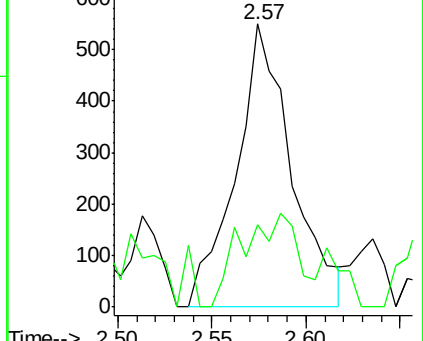
76 100

78 16.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.772 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008215.D

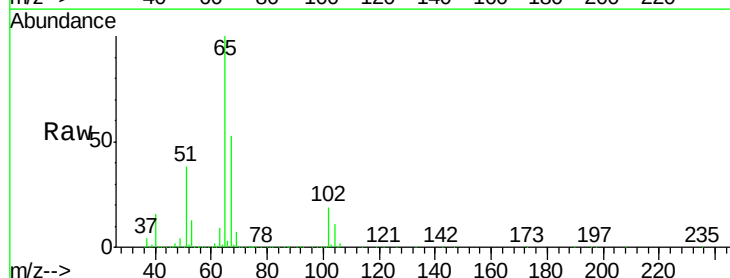
Acq: 20 Mar 2019 02:22

Tgt Ion: 65 Resp: 228759

Ion Ratio Lower Upper

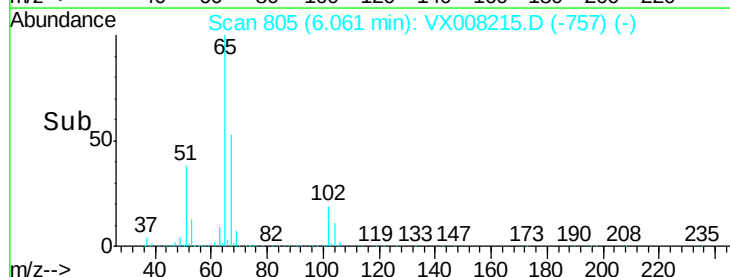
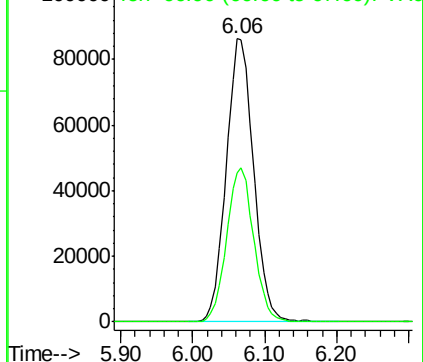
65 100

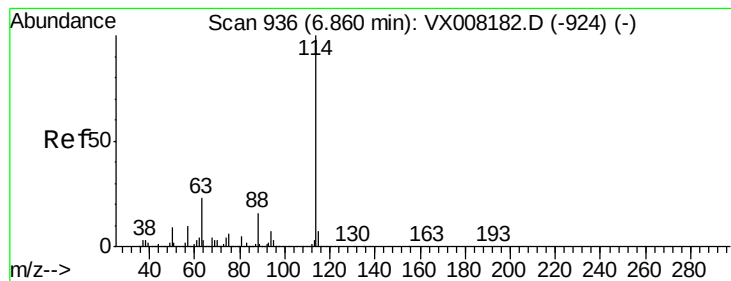
67 53.7 0.0 110.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

Instrument :

MSVOA_X

ClientSampleId :

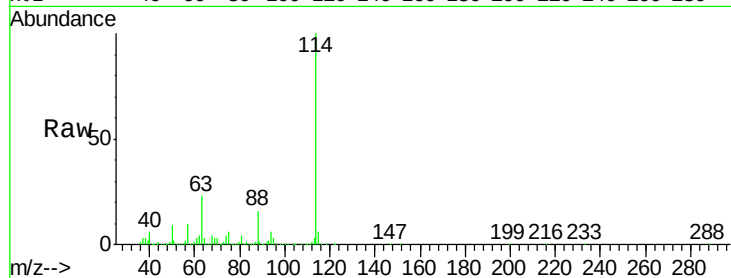
Tot Ion:114 Resp: 537300

Ion Ratio Lower Upper

114 100

63 23.1 0.0 39.8

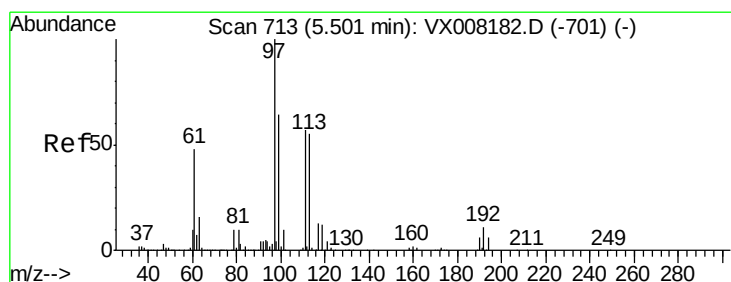
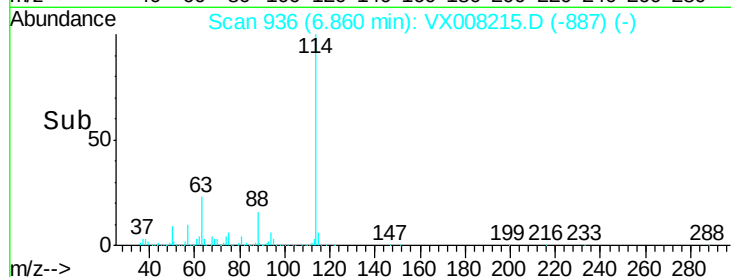
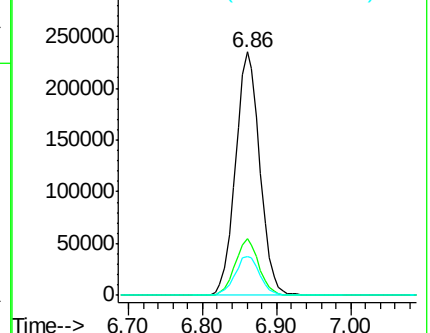
88 16.1 0.0 31.4



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: 46.629 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

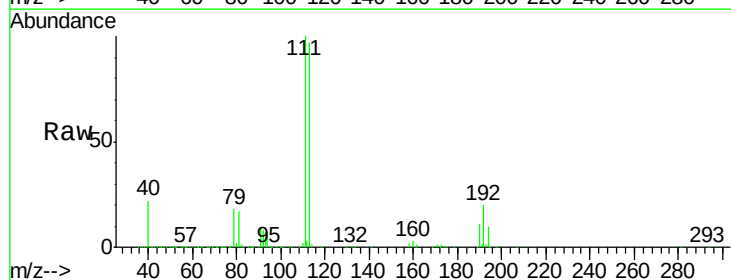
Tgt Ion:113 Resp: 167719

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

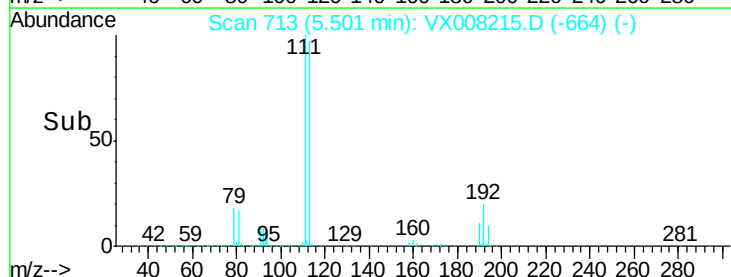
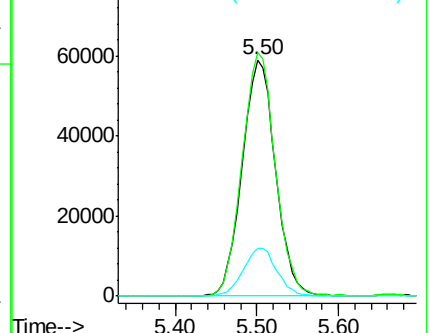
192 20.5 19.4 29.0

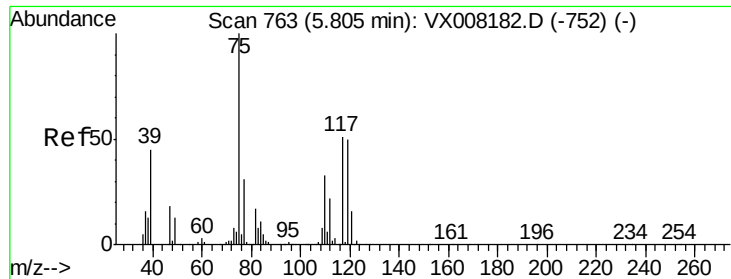


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

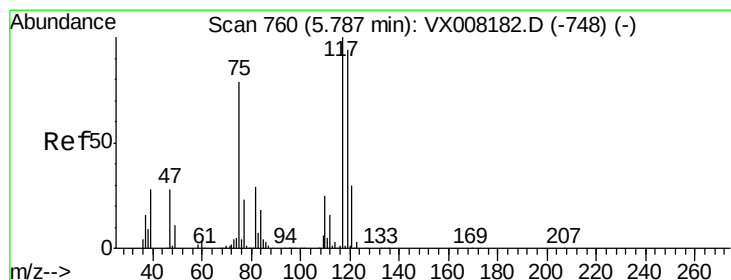
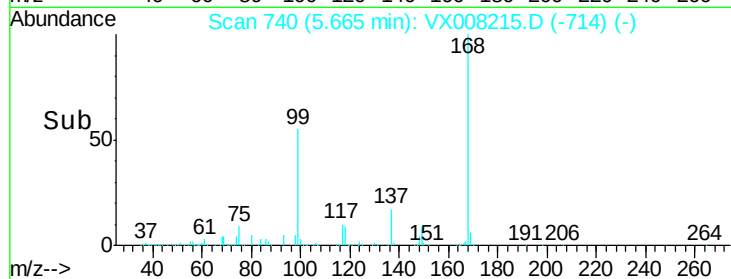
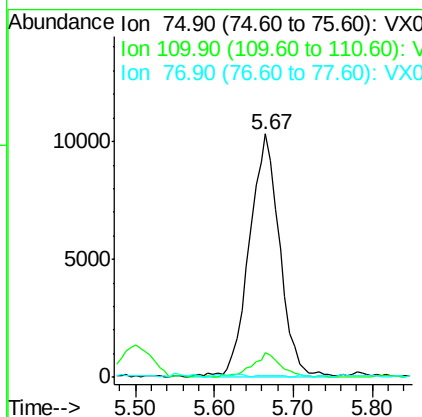
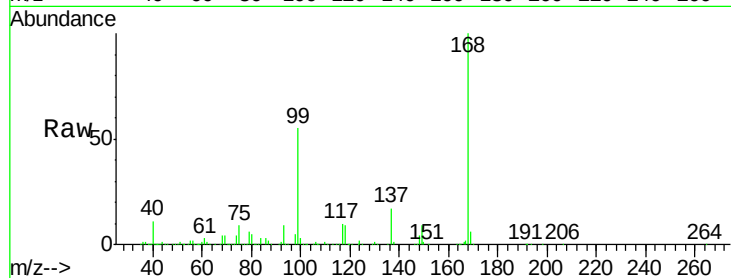




#36
 1,1-Dichloropropene
 Concen: 4.430 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008215.D
 Acq: 20 Mar 2019 02:22

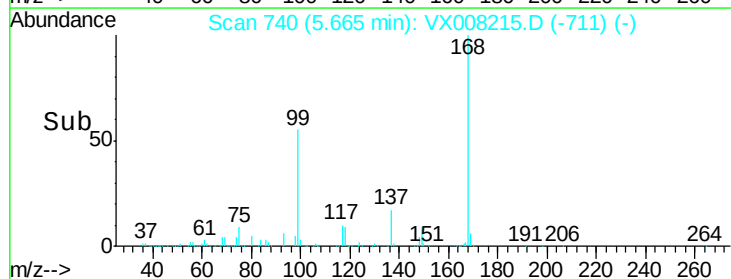
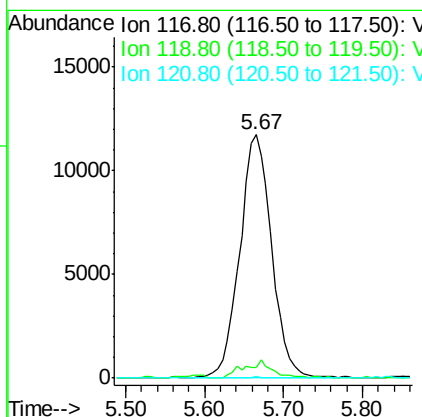
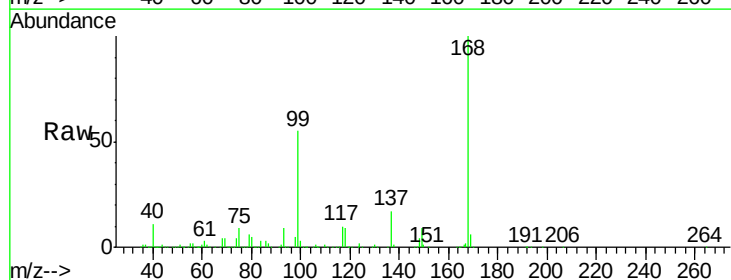
Instrument :
 MSVOA_X
 ClientSampled :

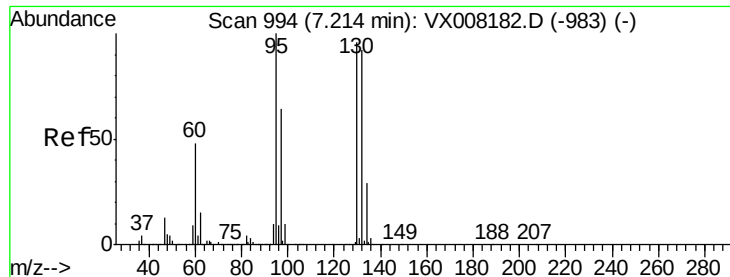
Tot Ion: 75 Resp: 27710
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.4 55.0#
 77 0.3 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.917 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008215.D
 Acq: 20 Mar 2019 02:22

Tgt Ion: 117 Resp: 32978
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.2 114.2#
 121 0.7 24.6 36.8#





#44

Trichloroethene

Concen: 0.219 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

Instrument :

MSVOA_X

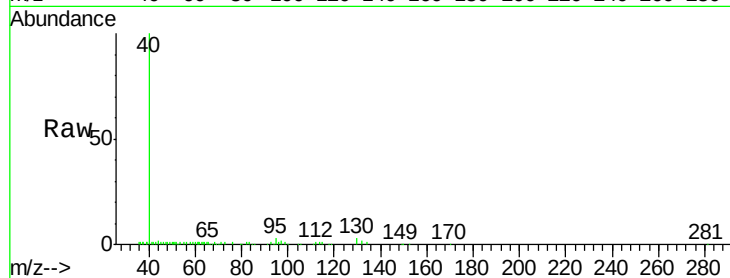
ClientSampled :

Tot Ion:130 Resp: 991

Ion Ratio Lower Upper

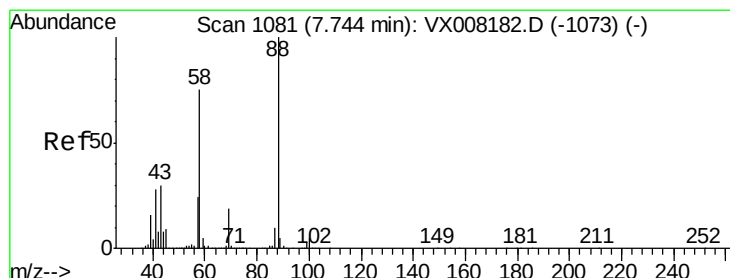
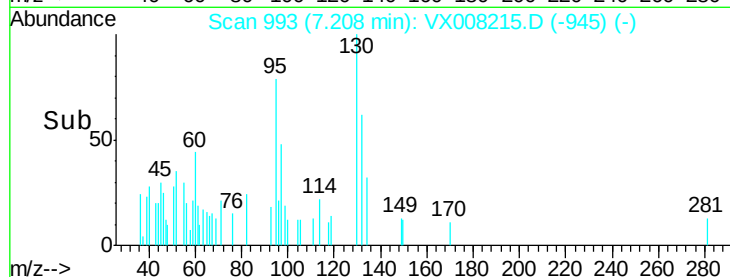
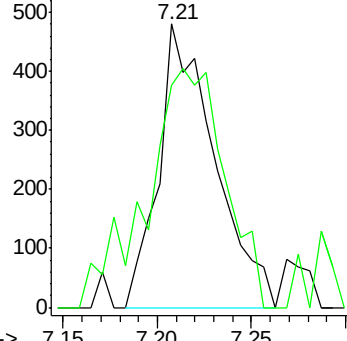
130 100

95 78.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.369 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

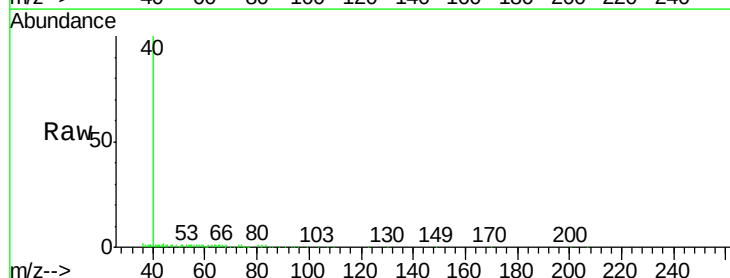
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

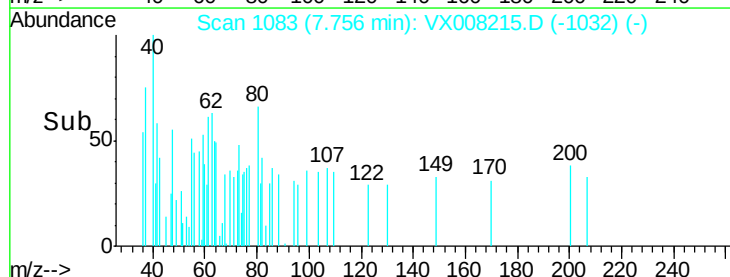
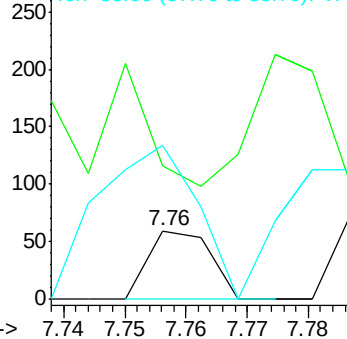
58 365.9 57.8 86.6#

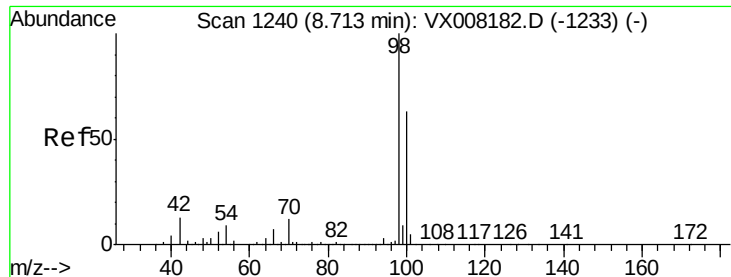


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

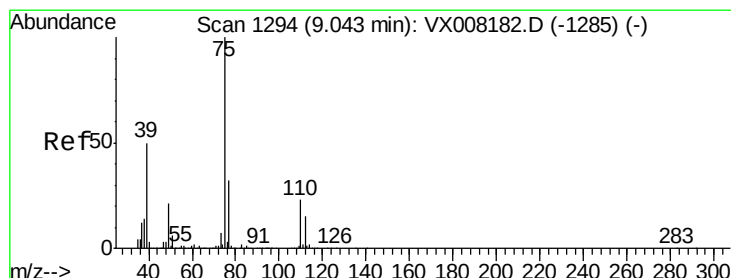
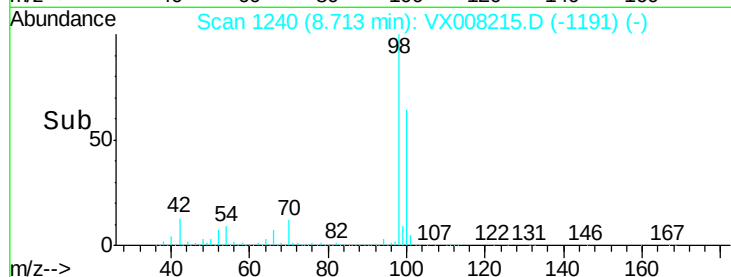
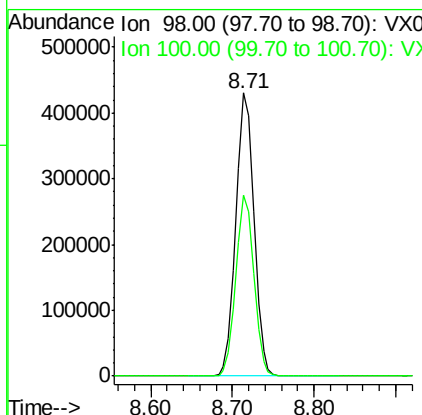
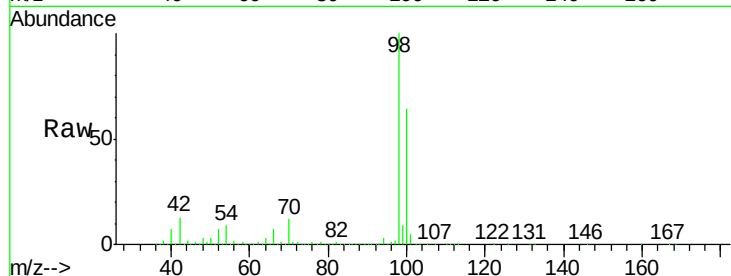




#50
Toluene-d8
Concen: 48.117 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008215.D
Acq: 20 Mar 2019 02:22

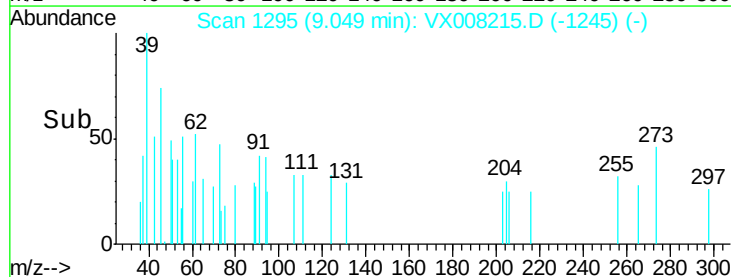
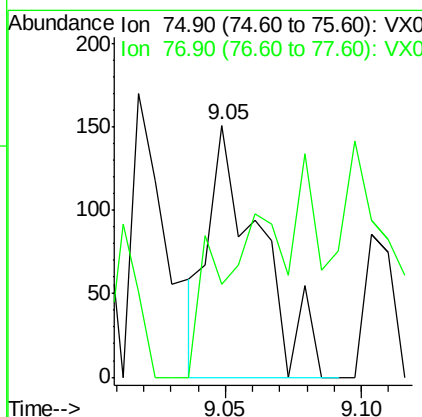
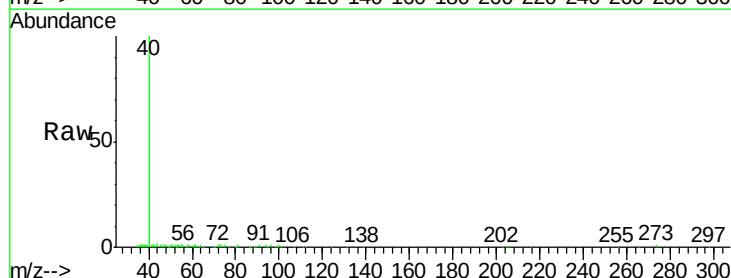
Instrument :
MSVOA_X
ClientSampleId :

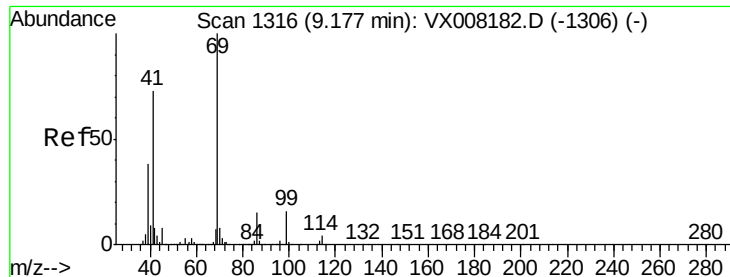
Tot Ion: 98 Resp: 656177
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.448 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX008215.D
Acq: 20 Mar 2019 02:22

Tgt Ion: 75 Resp: 195
Ion Ratio Lower Upper
75 100
77 60.9 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.554 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

Instrument :
MSVOA_X
ClientSampleId :

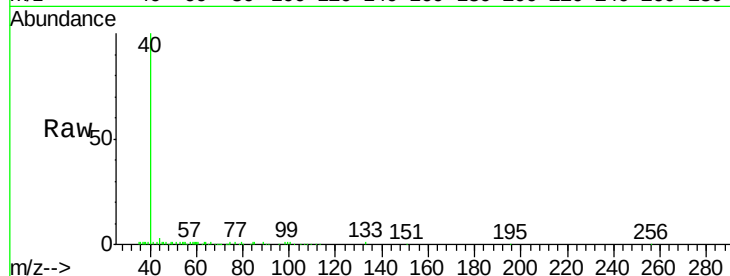
Tot Ion: 69 Resp: 219

Ion Ratio Lower Upper

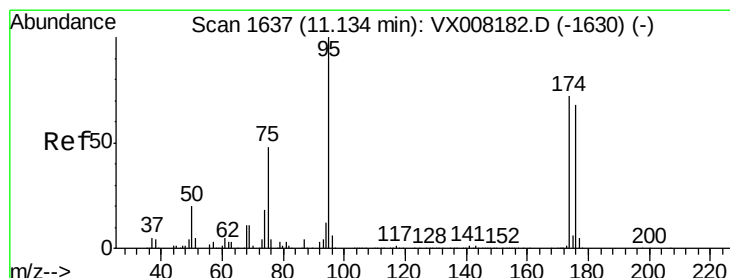
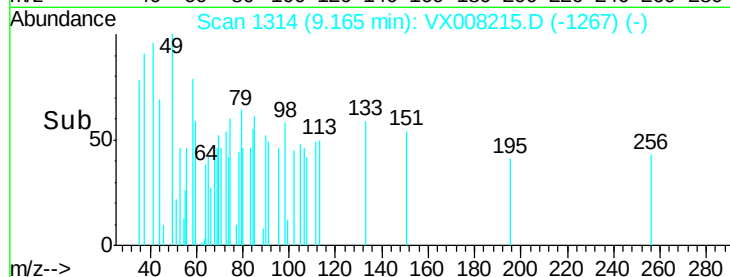
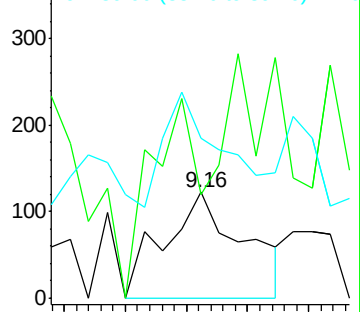
69 100

41 112.8 54.2 81.4#

39 93.2 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.051 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

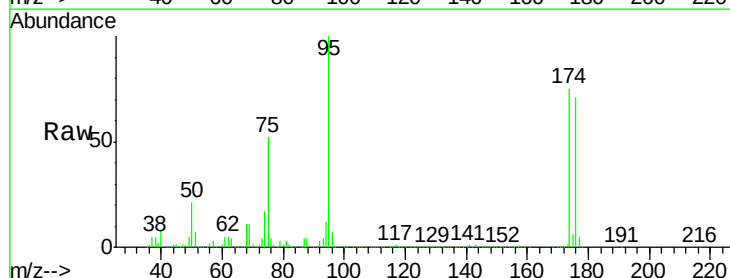
Tgt Ion: 95 Resp: 206841

Ion Ratio Lower Upper

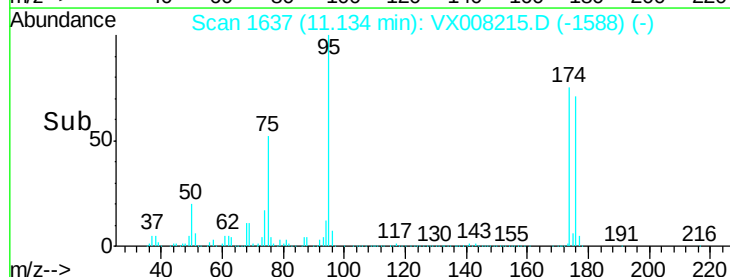
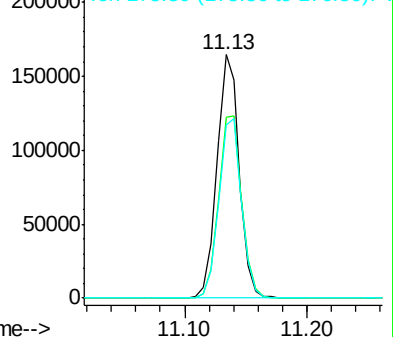
95 100

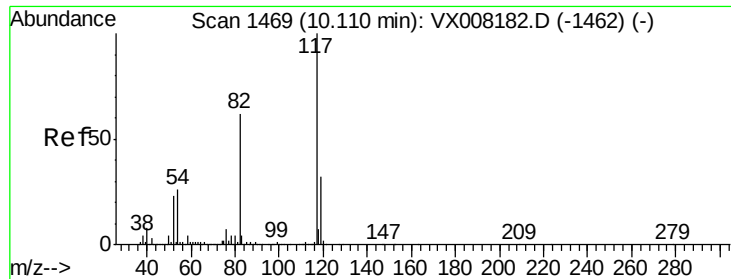
174 78.9 0.0 182.8

176 76.0 0.0 178.0



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

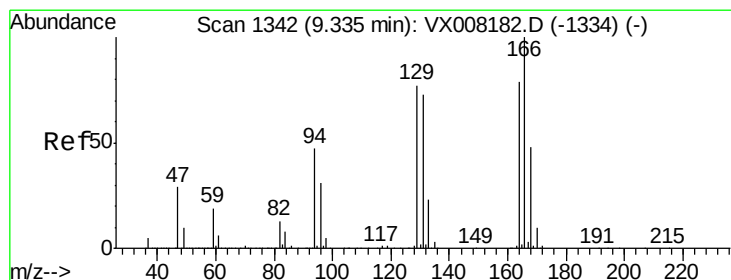
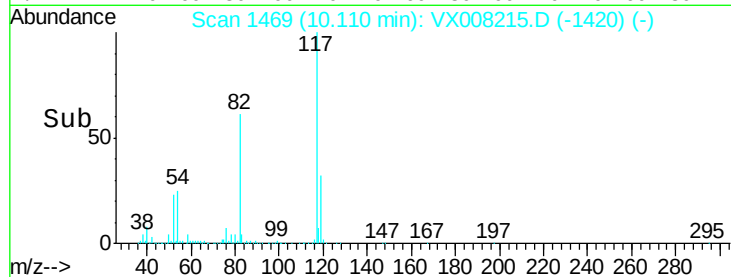
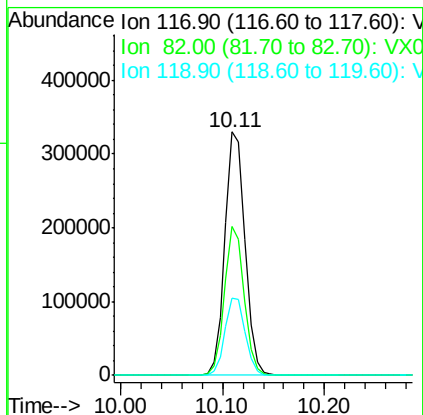
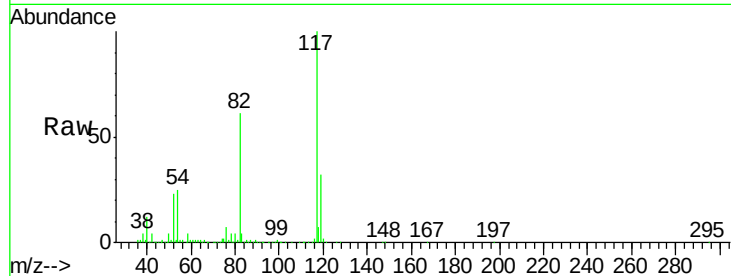




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008215.D
Acq: 20 Mar 2019 02:22

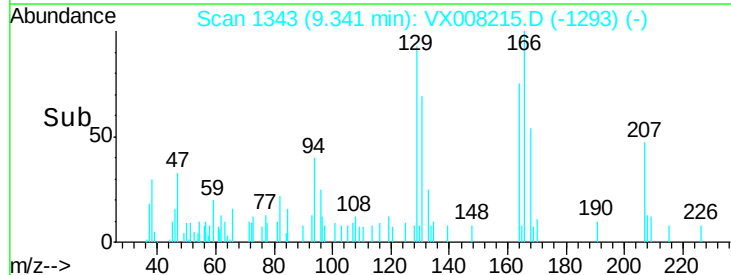
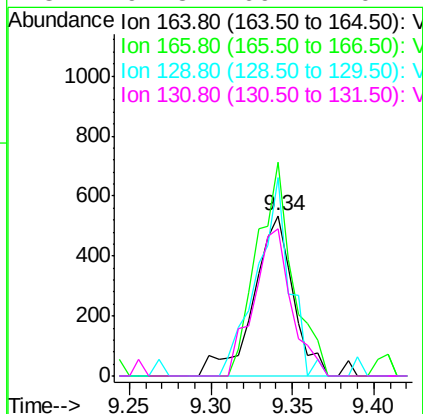
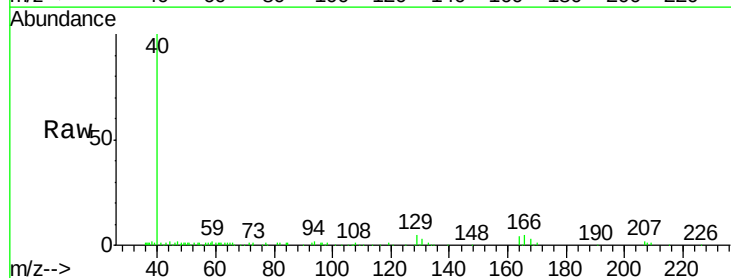
Instrument :
MSVOA_X
ClientSampleId :

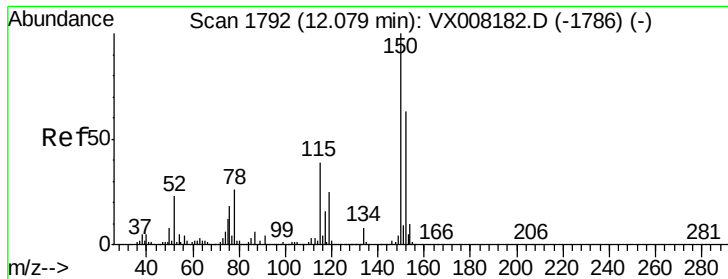
Tot Ion:117 Resp: 450347
Ion Ratio Lower Upper
117 100
82 61.0 44.3 66.5
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 0.222 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX008215.D
Acq: 20 Mar 2019 02:22

Tgt Ion:164 Resp: 900
Ion Ratio Lower Upper
164 100
166 133.3 103.4 155.0
129 123.6 72.2 108.4#
131 91.8 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

Instrument :

MSVOA_X

ClientSampleId :

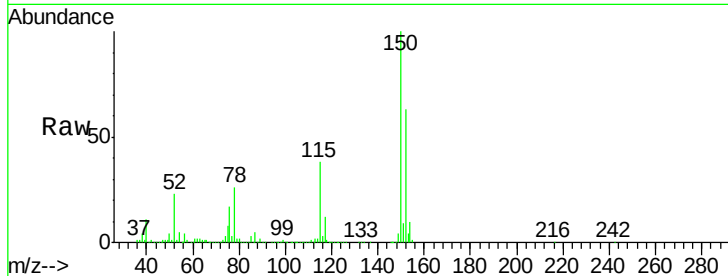
Tot Ion:152 Resp: 176020

Ion Ratio Lower Upper

152 100

115 60.9 38.6 115.7

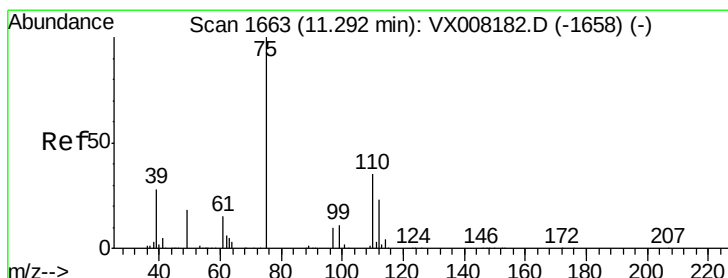
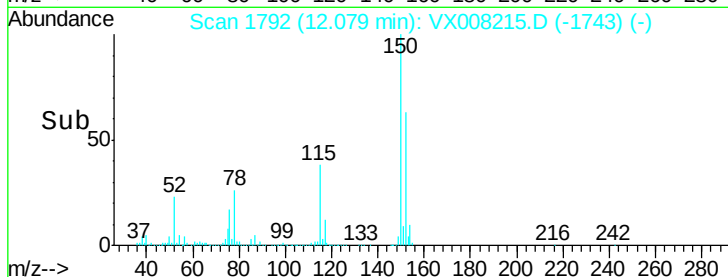
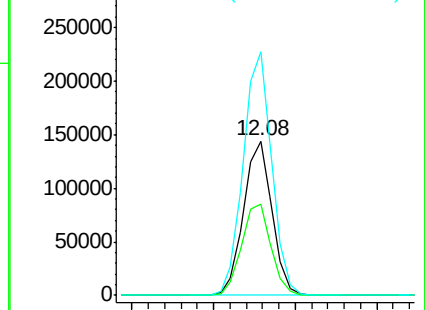
150 157.9 0.0 348.4



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: 21.913 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008215.D

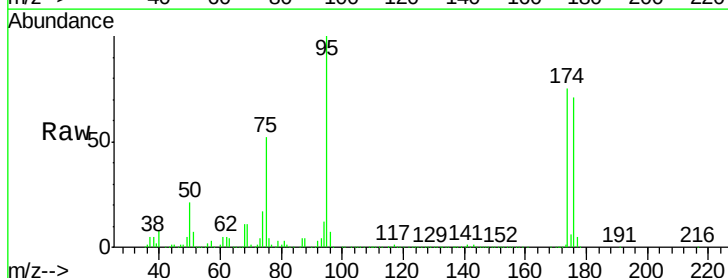
Acq: 20 Mar 2019 02:22

Tgt Ion: 75 Resp: 108485

Ion Ratio Lower Upper

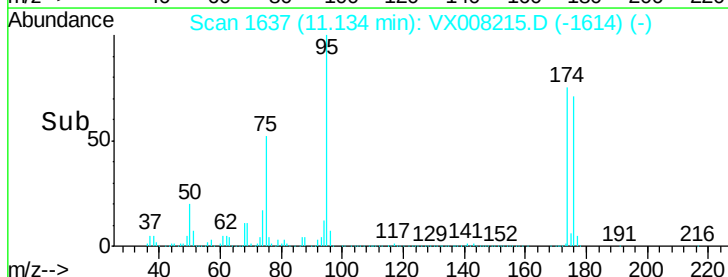
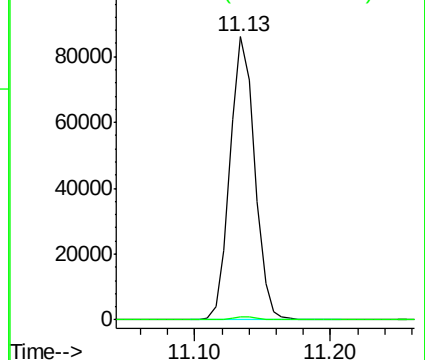
75 100

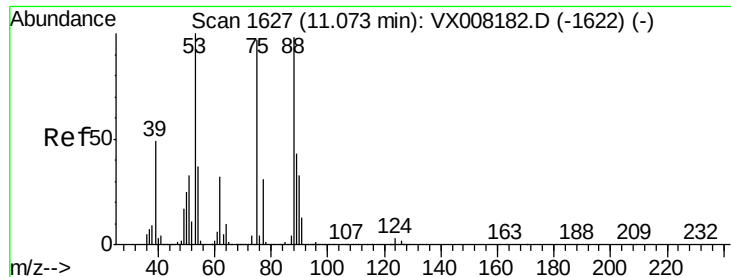
77 1.3 18.9 56.7#



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: 55.694 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008215.D

Acq: 20 Mar 2019 02:22

Instrument :

MSVOA_X

ClientSampleId :

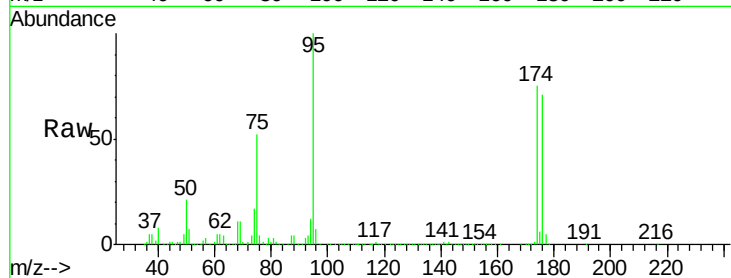
Tot Ion: 75 Resp: 108485

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



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

