

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008892.D
 Acq On : 12 Apr 2019 17:27
 Operator : JC/SP
 Sample : K2366-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW045-20190410

Quant Time: Apr 13 04:59:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	194810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	270818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114136	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	128362	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
35) Dibromofluoromethane	5.50	113	94385	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	8.71	98	392884	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	129846	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

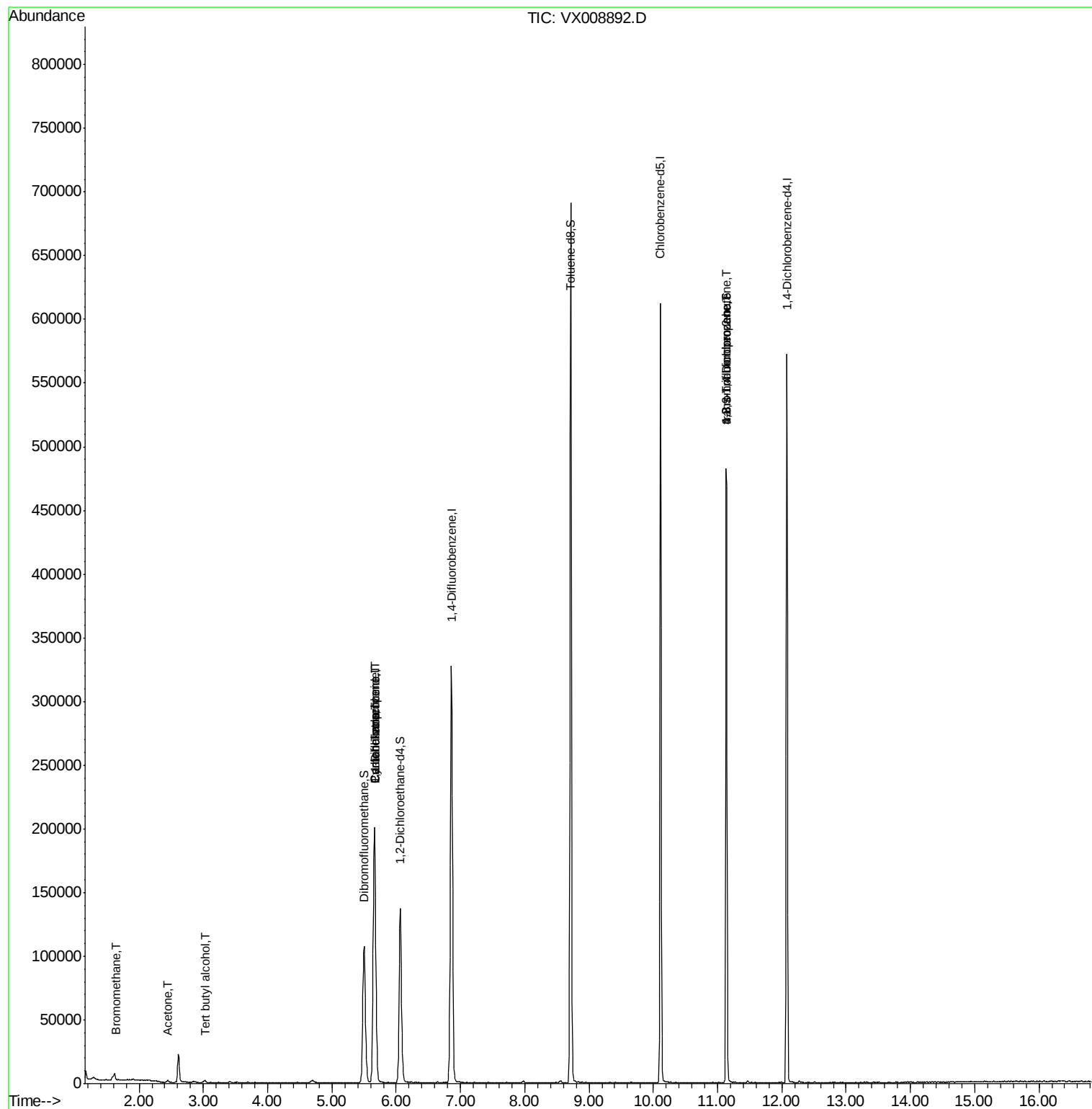
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	451	Below Cal		99
5) Bromomethane	1.64	94	324	2.094 ug/l		98
6) Chloroethane	1.69	64	119	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	1291	1.941 ug/l	#	72
16) Acetone	2.45	43	2071	1.265 ug/l		98
17) Carbon Disulfide	2.57	76	487	Below Cal	#	75
28) Bromochloromethane	5.04	49	63	Below Cal	#	22
31) Cyclohexane	5.66	56	4239	0.863 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	15622	4.556 ug/l	#	51
38) Carbon Tetrachloride	5.66	117	18365	6.471 ug/l	#	17
76) 1,2,3-Trichloropropane	11.13	75	66253	21.130 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66253	58.247 ug/l	#	9

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

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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008892.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

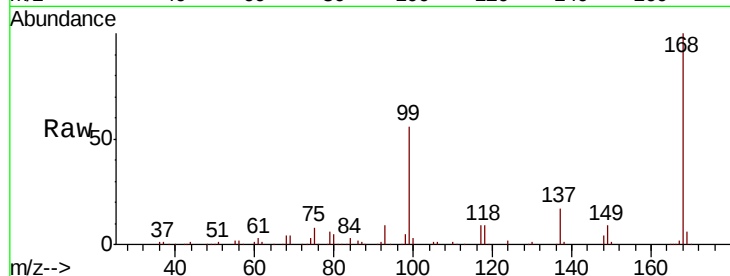
FC-MW045-20190410

Tot Ion:168 Resp: 194810

Ion Ratio Lower Upper

168 100

99 55.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

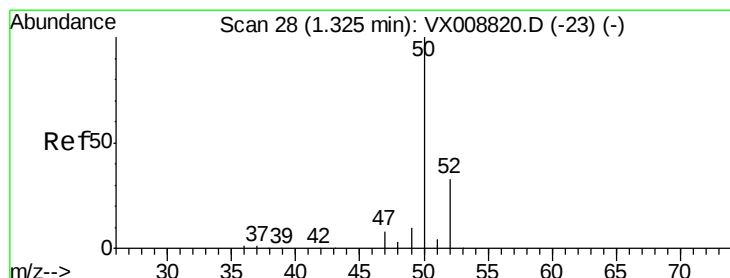
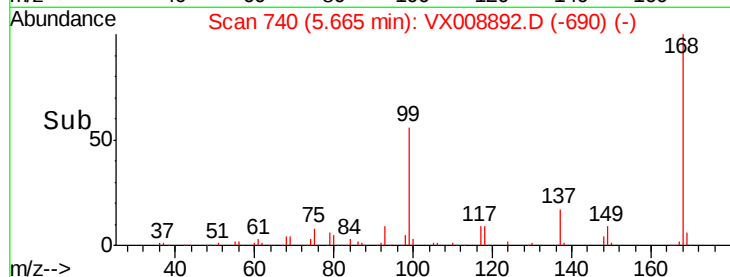
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008892.D

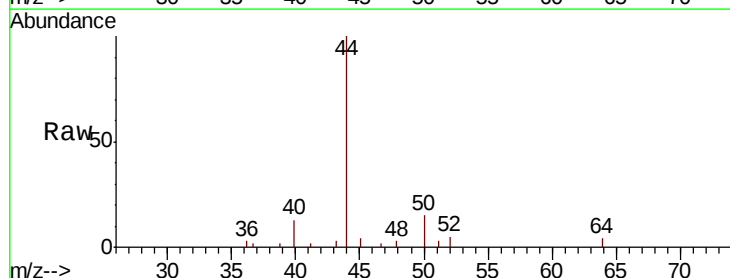
Acq: 12 Apr 2019 17:27

Tgt Ion: 50 Resp: 451

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

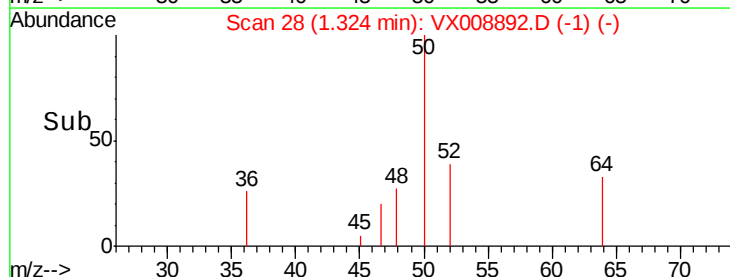
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.094 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008892.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

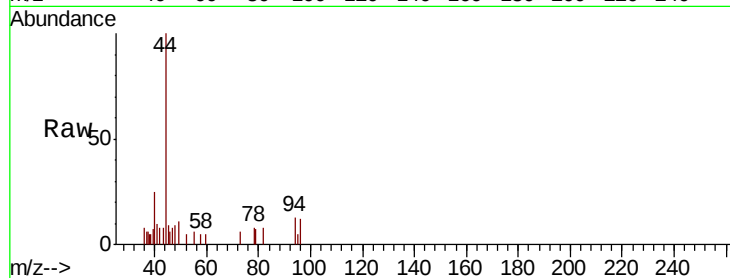
FC-MW045-20190410

Tot Ion: 94 Resp: 324

Ion Ratio Lower Upper

94 100

96 96.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

100

50

0

Time--> 1.55

1.60

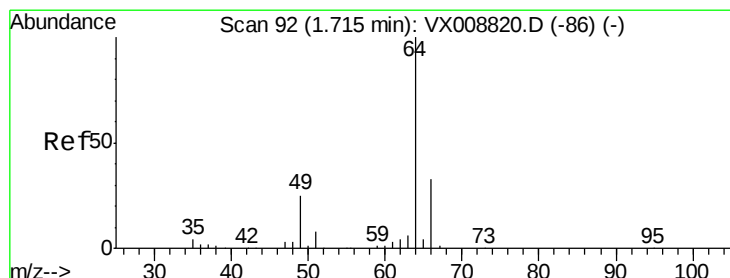
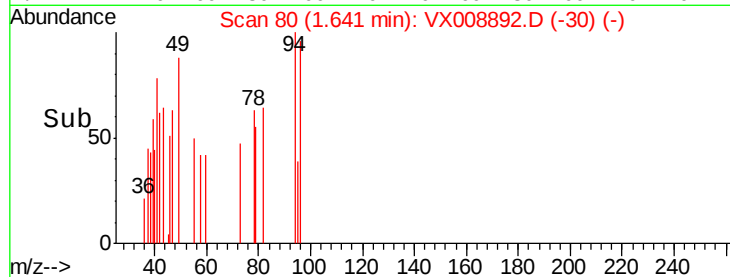
1.65

1.64

1.65

1.64

1.65



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX008892.D

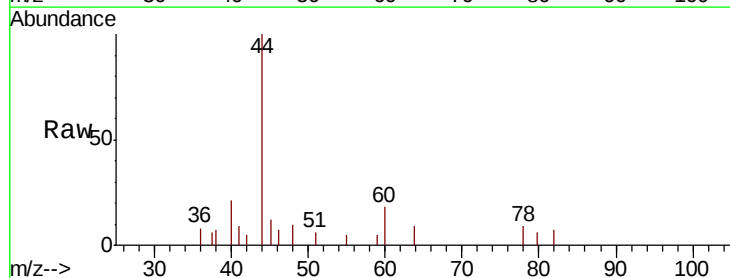
Acq: 12 Apr 2019 17:27

Tgt Ion: 64 Resp: 119

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

200

150

100

50

0

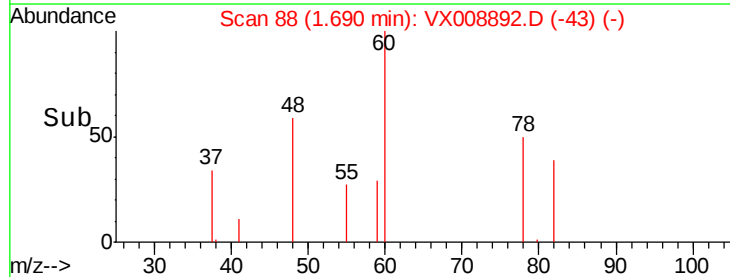
Time--> 1.66

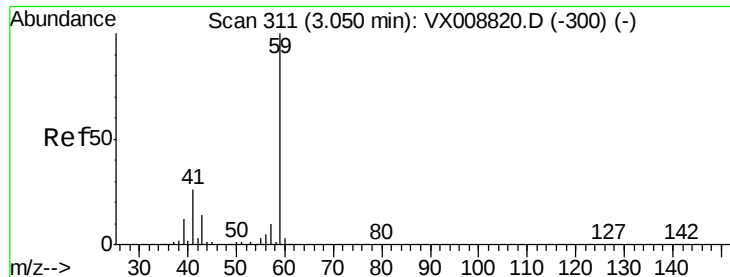
1.67

1.68

1.69

1.70

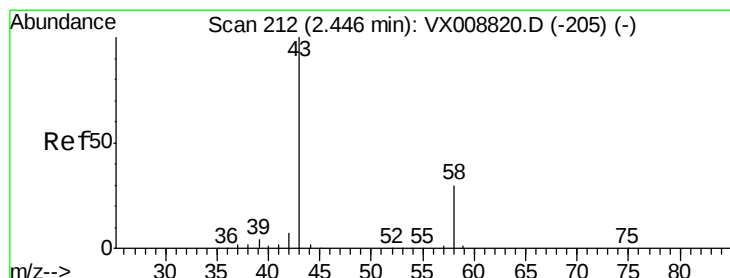
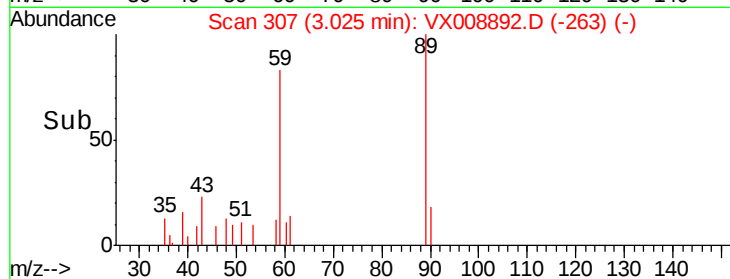
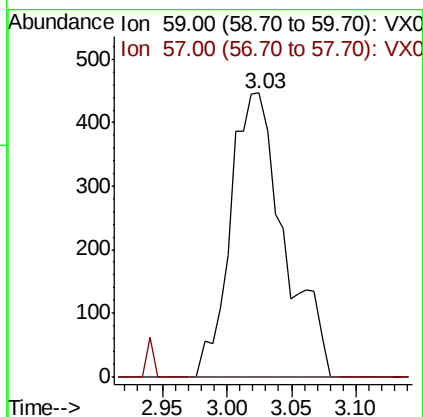
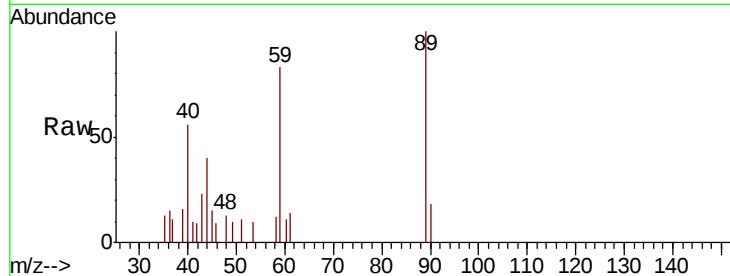




#11
Tert butyl alcohol
Concen: 1.941 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.03 min
Lab File: VX008892.D
Acq: 12 Apr 2019 17:27

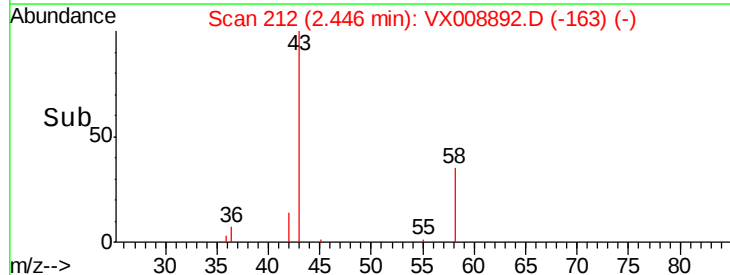
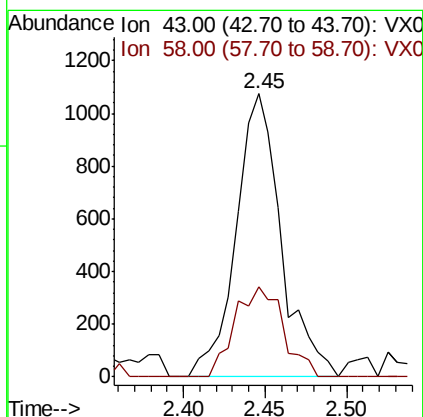
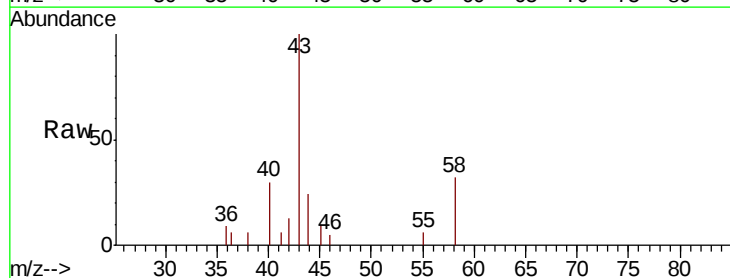
Instrument :
MSVOA_X
ClientSampleId :
FC-MW045-20190410

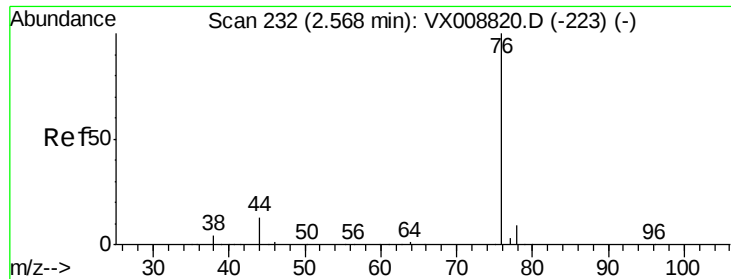
Tot Ion: 59 Resp: 1291
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.265 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008892.D
Acq: 12 Apr 2019 17:27

Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
58 32.0 24.8 37.2

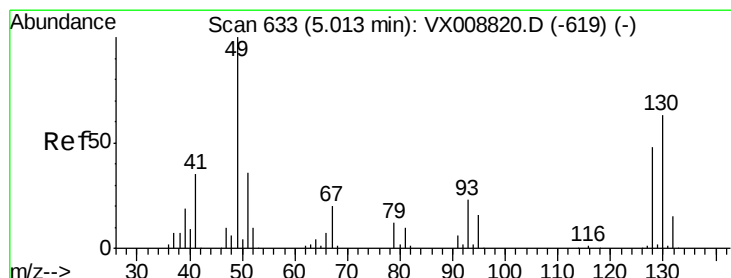
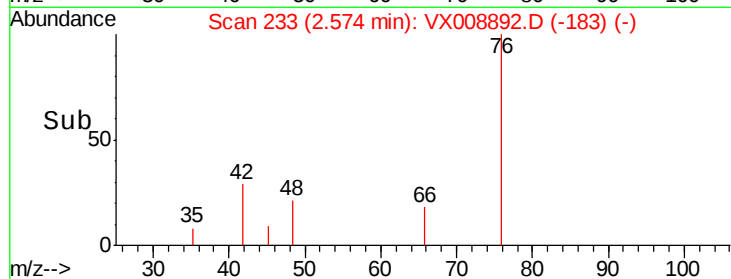
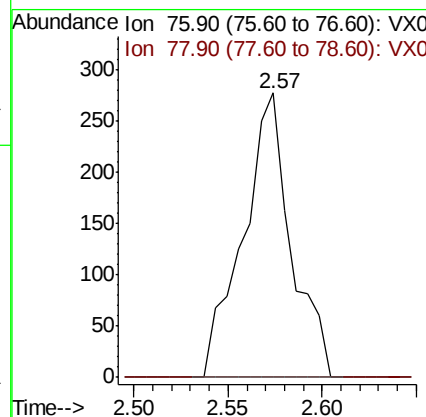
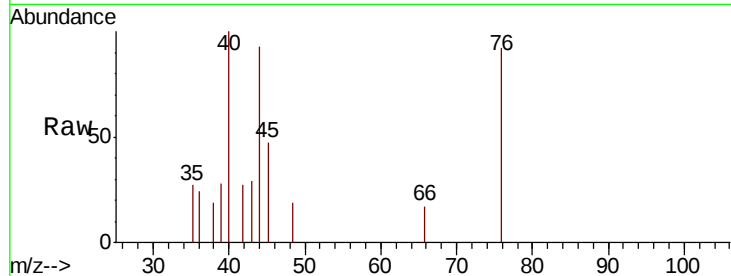




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008892.D
Acq: 12 Apr 2019 17:27

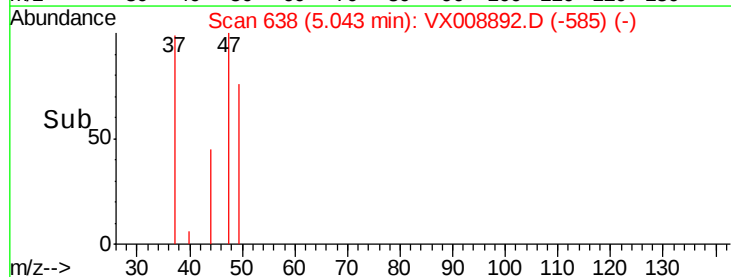
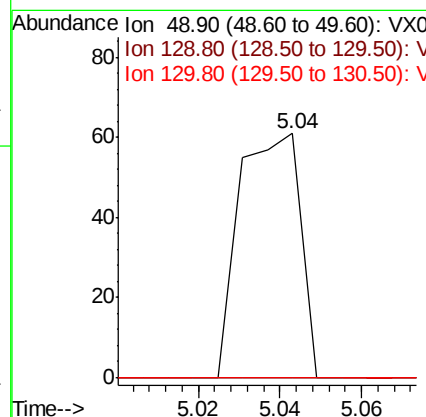
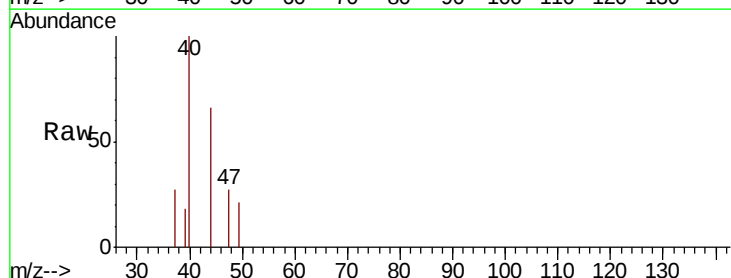
Instrument :
MSVOA_X
ClientSampleId :
FC-MW045-20190410

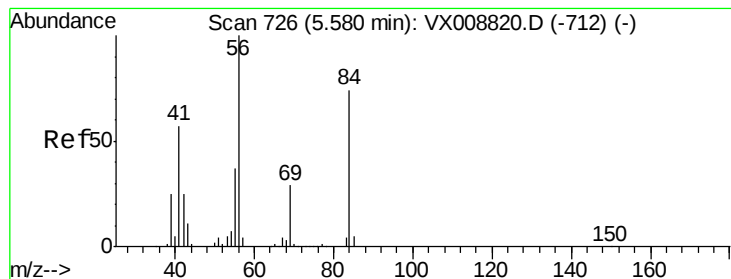
Tot Ion: 76 Resp: 487
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 638
Delta R.T. 0.02 min
Lab File: VX008892.D
Acq: 12 Apr 2019 17:27

Tgt Ion: 49 Resp: 63
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#





#31

Cyclohexane

Concen: 0.863 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008892.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

FC-MW045-20190410

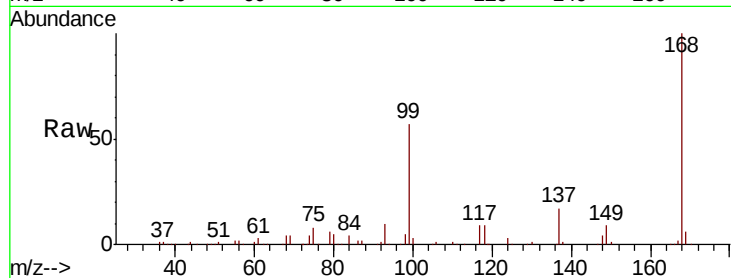
Tot Ion: 56 Resp: 4239

Ion Ratio Lower Upper

56 100

69 187.8 22.6 33.8#

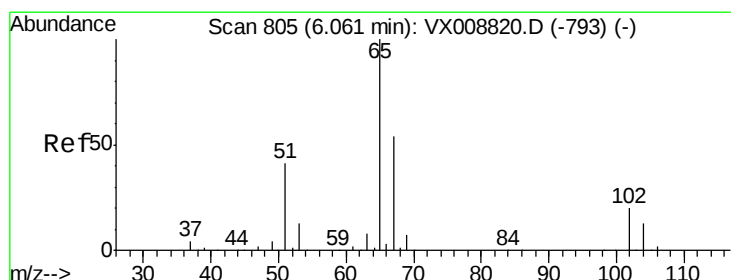
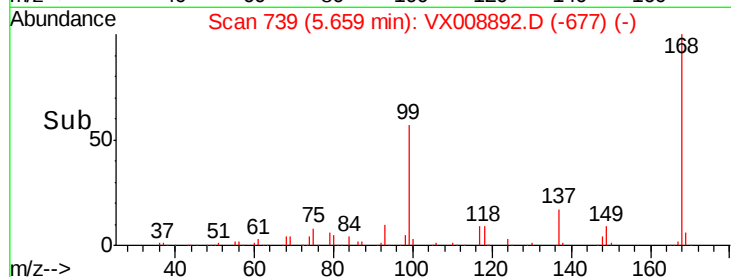
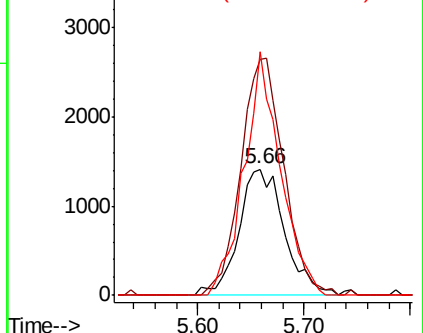
84 193.3 59.3 88.9#



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: 45.175 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008892.D

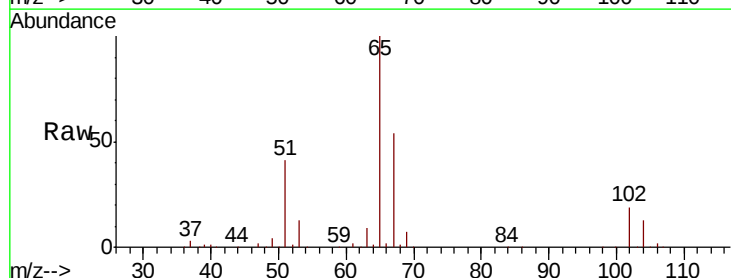
Acq: 12 Apr 2019 17:27

Tgt Ion: 65 Resp: 128362

Ion Ratio Lower Upper

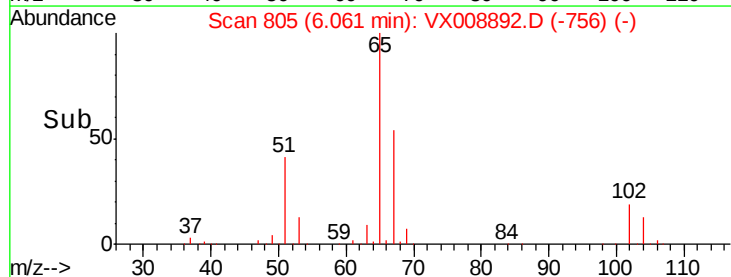
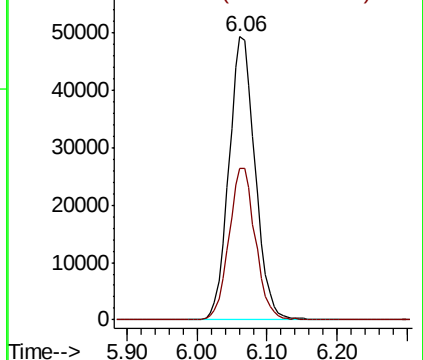
65 100

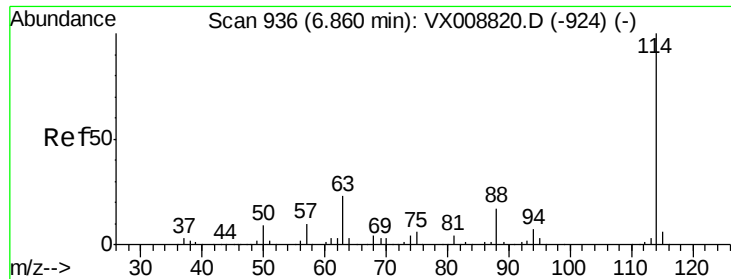
67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

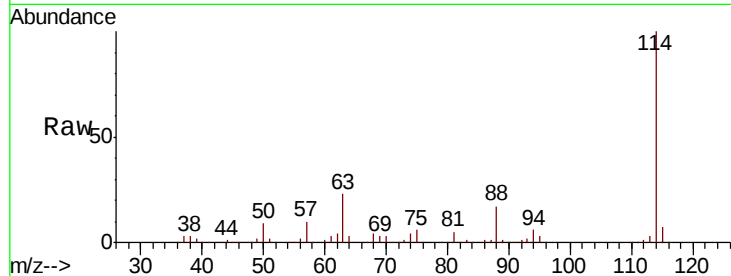




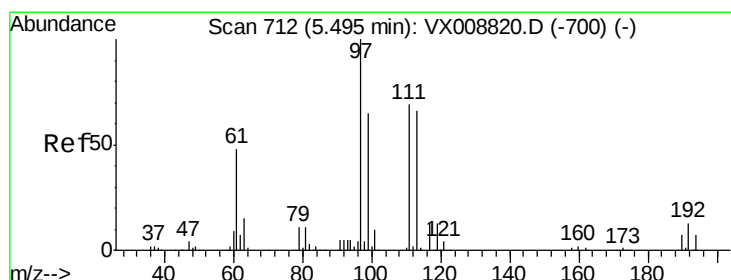
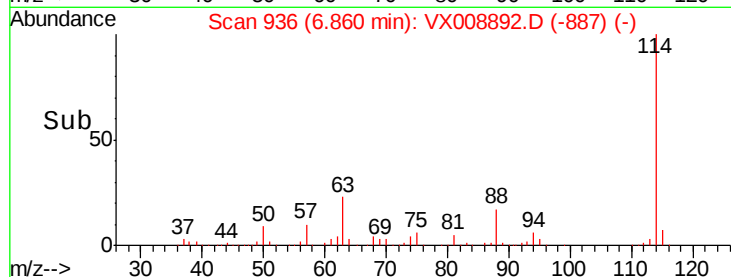
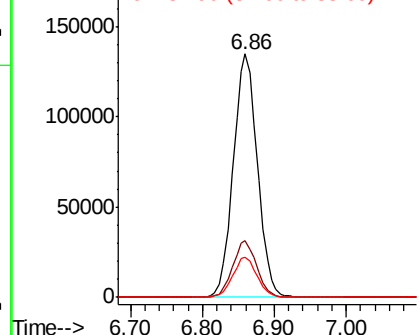
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008892.D
 Acq: 12 Apr 2019 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW045-20190410

Tot Ion:114 Resp: 313717
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.2
 88 16.6 0.0 34.0

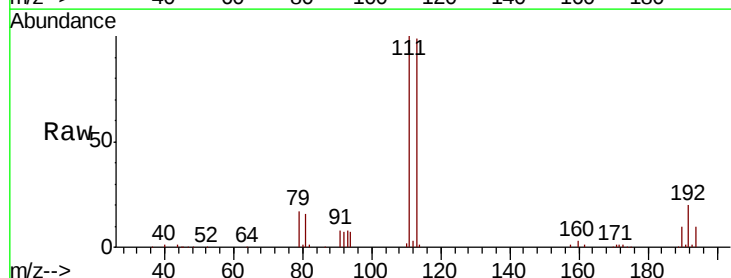


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

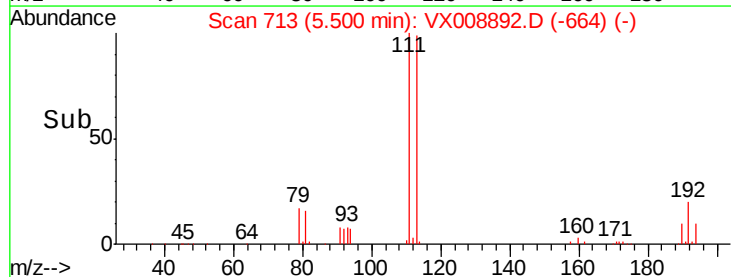
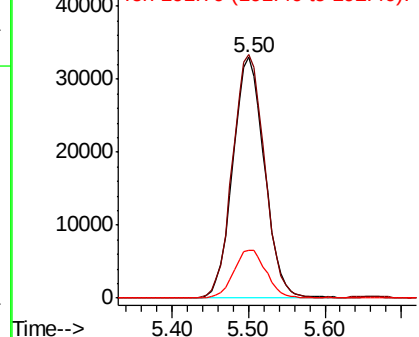


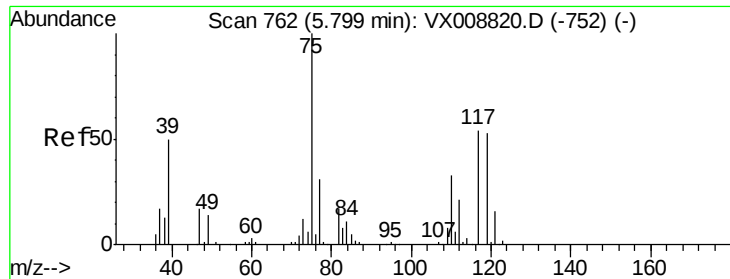
#35
 Dibromofluoromethane
 Concen: 47.056 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008892.D
 Acq: 12 Apr 2019 17:27

Tgt Ion:113 Resp: 94385
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.2
 192 20.6 16.1 24.1



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

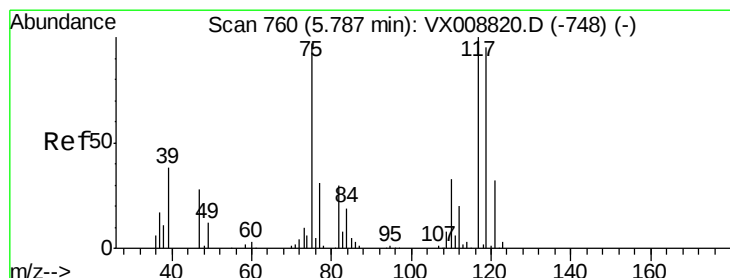
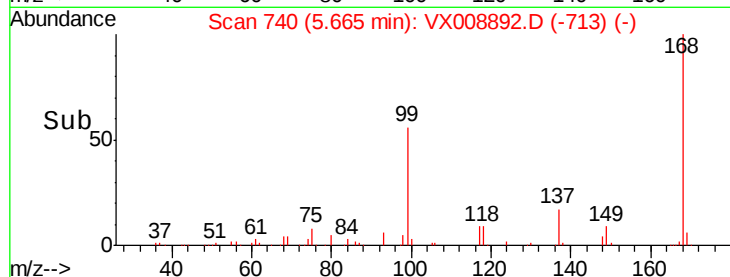
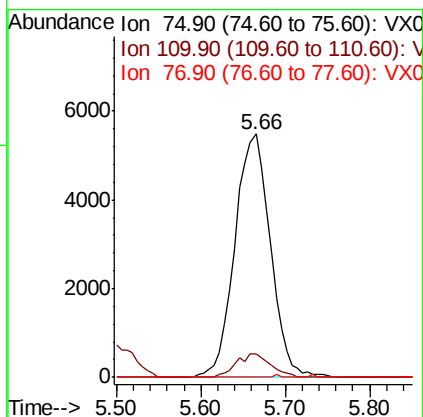
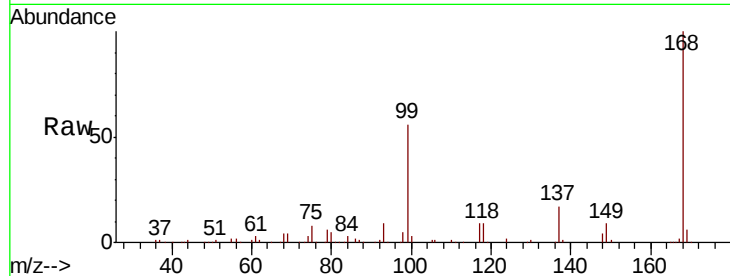




#36
 1,1-Dichloropropene
 Concen: 4.556 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008892.D
 Acq: 12 Apr 2019 17:27

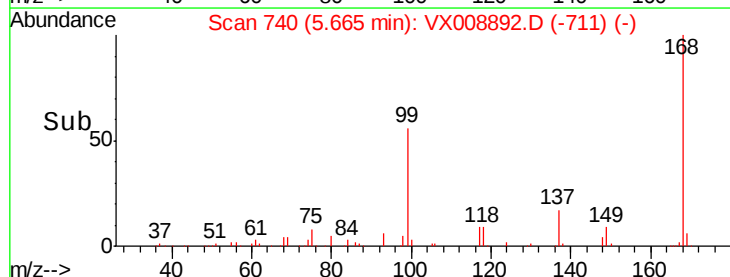
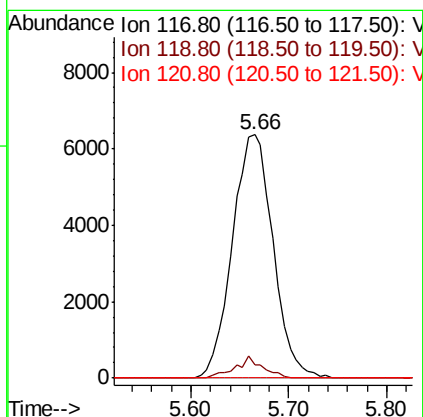
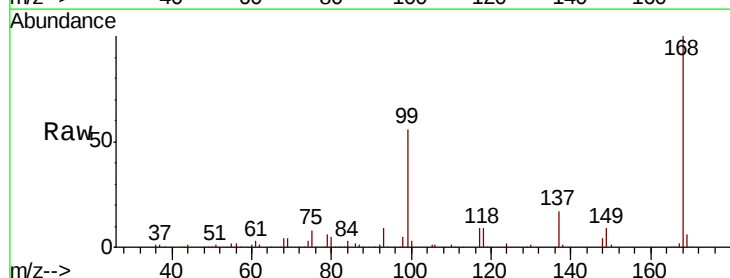
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW045-20190410

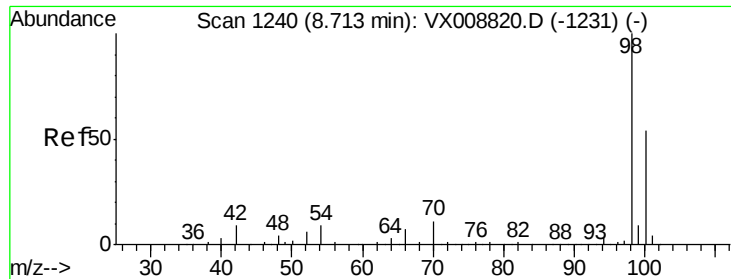
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.471 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008892.D
 Acq: 12 Apr 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.0	112.6#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 49.193 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008892.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

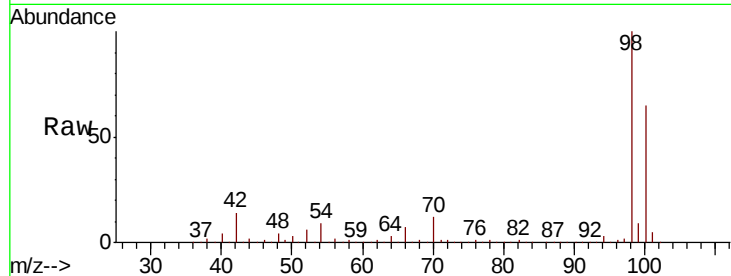
FC-MW045-20190410

Tot Ion: 98 Resp: 392884

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

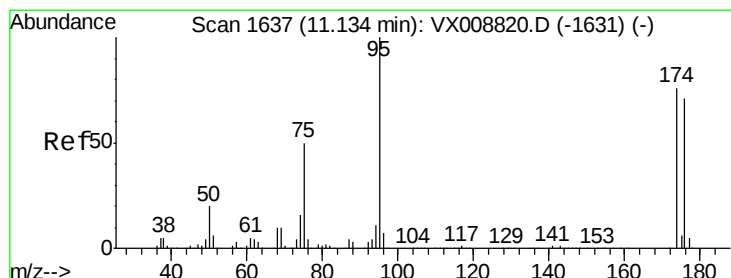
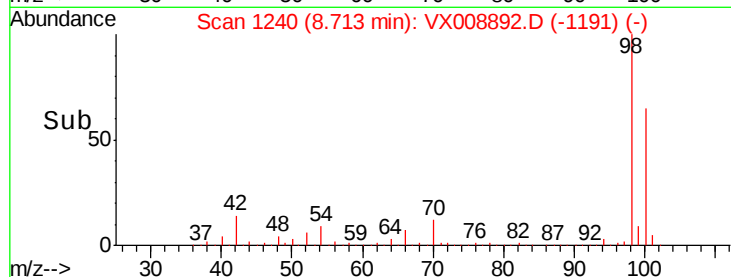
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 45.847 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008892.D

Acq: 12 Apr 2019 17:27

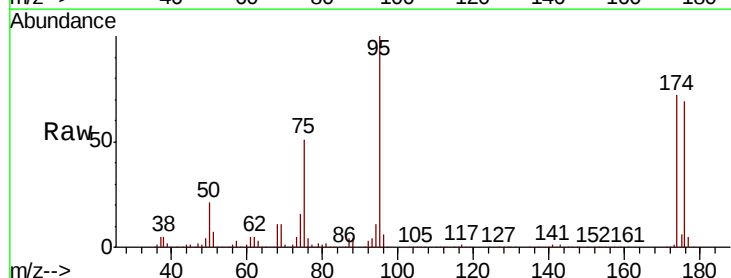
Tgt Ion: 95 Resp: 129846

Ion Ratio Lower Upper

95 100

174 78.3 0.0 151.8

176 75.6 0.0 145.8



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

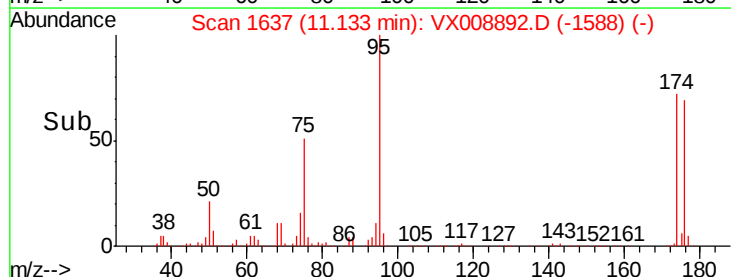
11.13

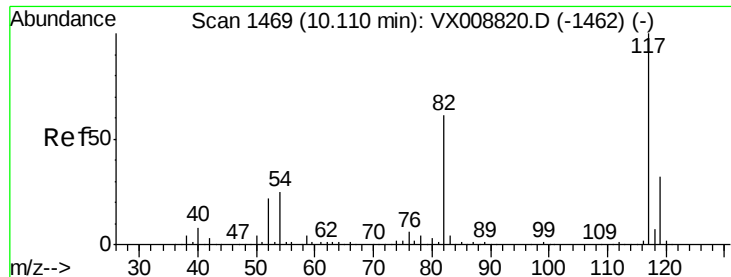
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

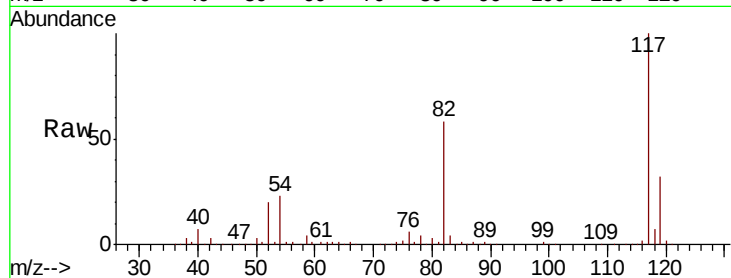




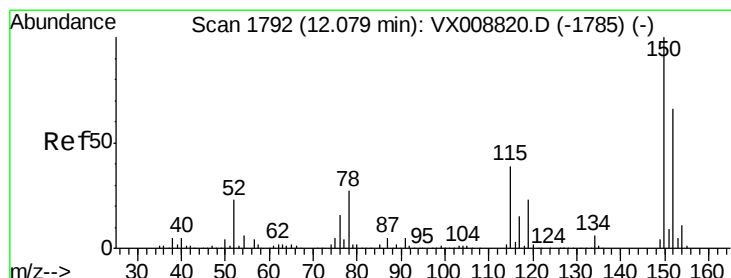
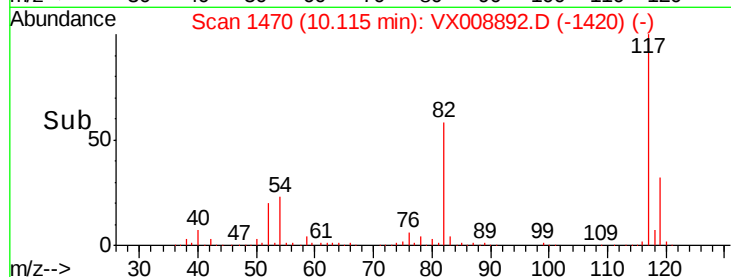
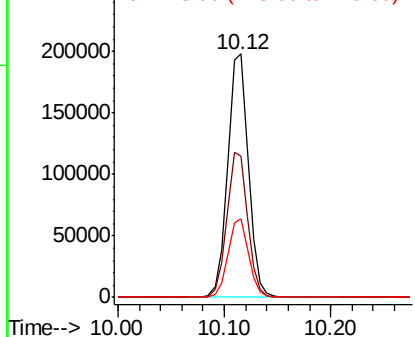
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008892.D
Acq: 12 Apr 2019 17:27

Instrument :
MSVOA_X
ClientSampleId :
FC-MW045-20190410

Tot Ion:117 Resp: 270818
Ion Ratio Lower Upper
117 100
82 57.8 49.6 74.4
119 32.5 25.0 37.4

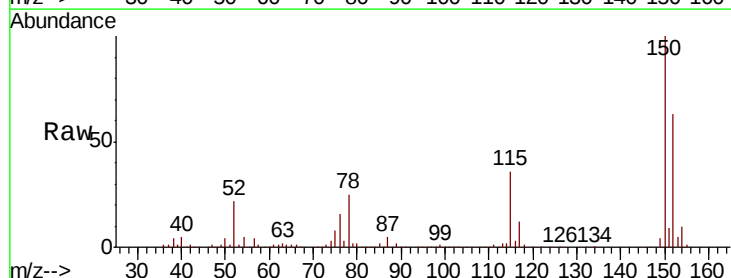


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

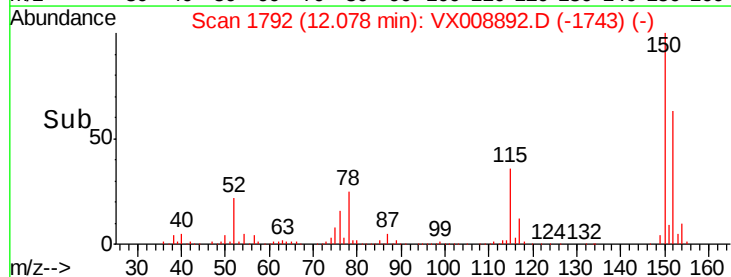
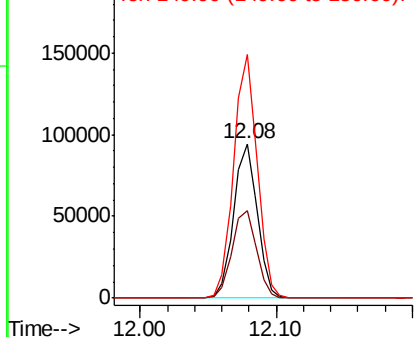


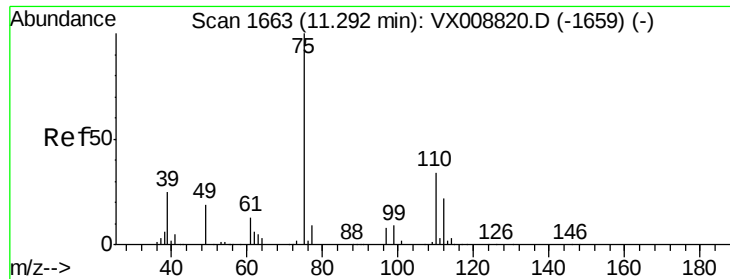
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008892.D
Acq: 12 Apr 2019 17:27

Tgt Ion:152 Resp: 114136
Ion Ratio Lower Upper
152 100
115 59.2 43.5 130.5
150 157.5 0.0 348.8



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: 21.130 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.17 min

Lab File: VX008892.D

Acq: 12 Apr 2019 17:27

Instrument :

MSVOA_X

ClientSampleId :

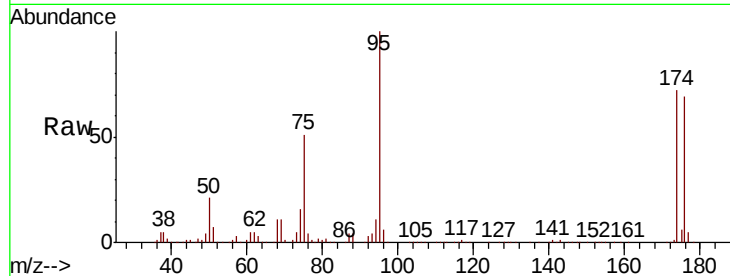
FC-MW045-20190410

Tot Ion: 75 Resp: 66253

Ion Ratio Lower Upper

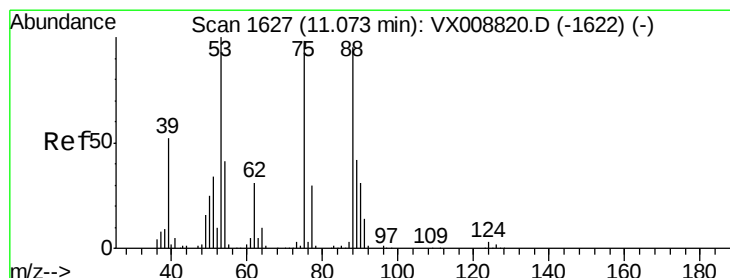
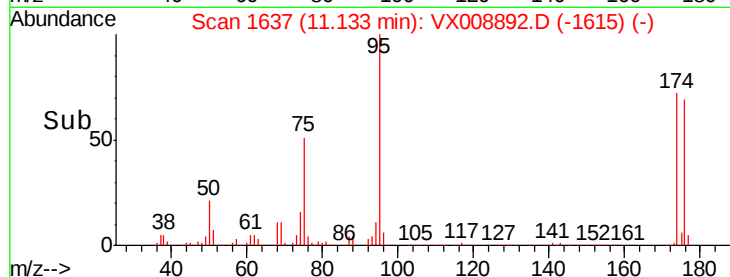
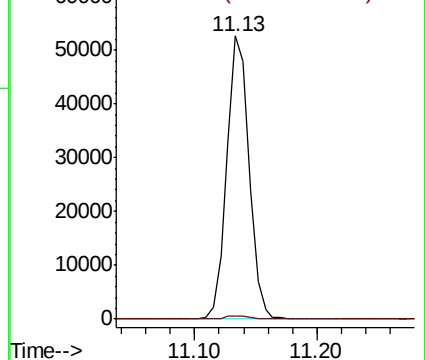
75 100

77 1.4 22.3 66.8#



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: 58.247 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008892.D

Acq: 12 Apr 2019 17:27

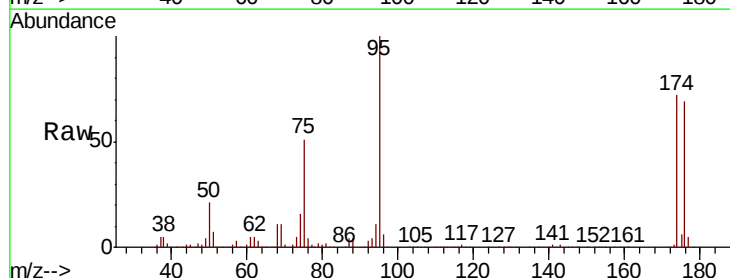
Tgt Ion: 75 Resp: 66253

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

