

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008938.D
 Acq On : 13 Apr 2019 17:42
 Operator : JC/SP
 Sample : K2385-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 14 04:15:43 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	5.67	168	198236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109497	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	128602	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	
35) Dibromofluoromethane	5.50	113	94689	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	8.71	98	393532	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.13	95	126788	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

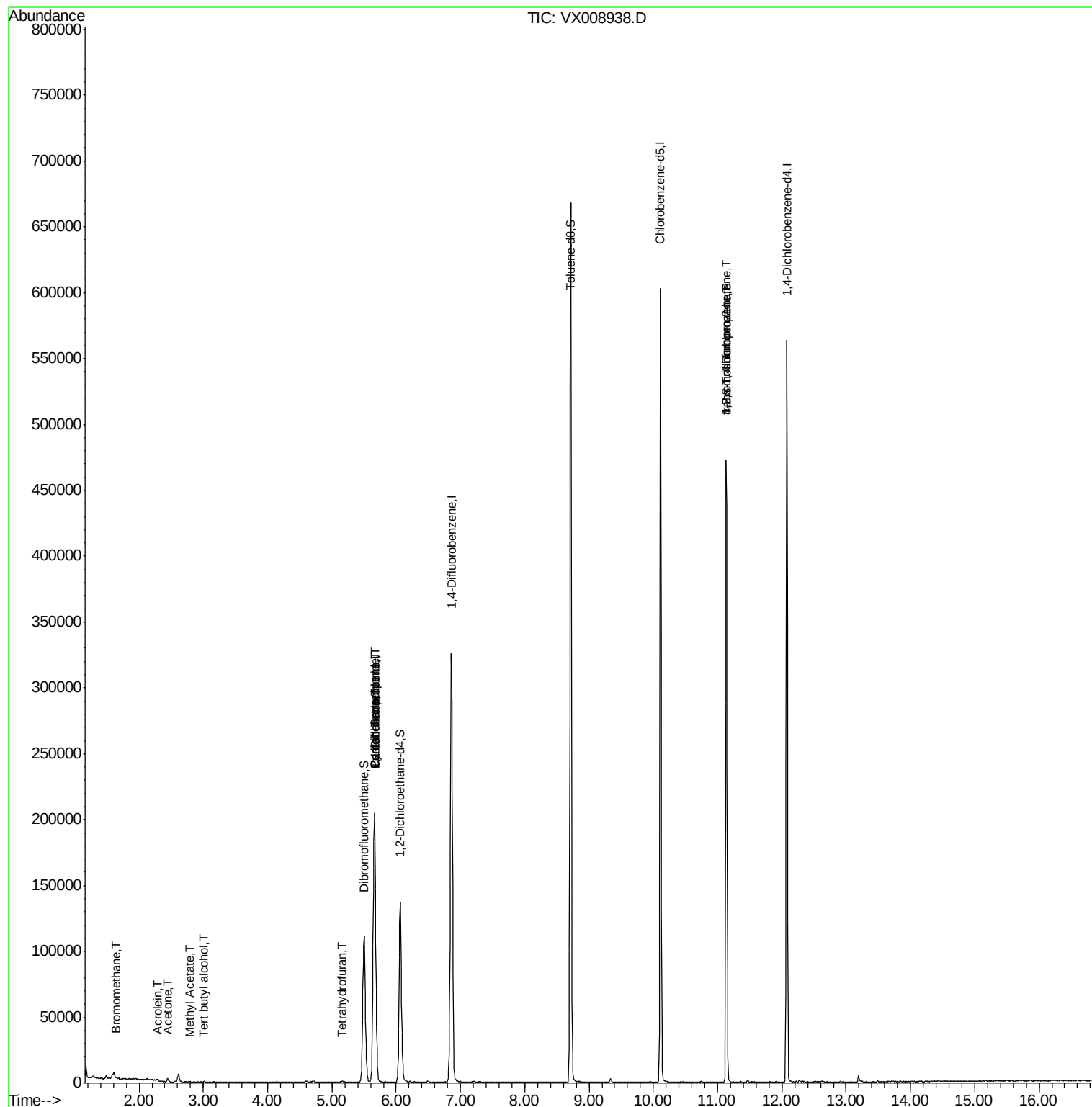
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	378	Below Cal		94
5) Bromomethane	1.65	94	98	1.947 ug/l		85
6) Chloroethane	1.72	64	19	Below Cal	#	1
11) Tert butyl alcohol	3.00	59	178	0.263 ug/l	#	72
13) Acrolein	2.29	56	103	0.307 ug/l	#	13
16) Acetone	2.45	43	2530	1.519 ug/l		97
17) Carbon Disulfide	2.57	76	518	Below Cal	#	75
18) Methyl Acetate	2.79	43	894	0.221 ug/l	#	73
28) Bromochloromethane	5.01	49	19	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	595	0.341 ug/l	#	63
31) Cyclohexane	5.67	56	4301	0.861 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	15274	4.395 ug/l	#	51
38) Carbon Tetrachloride	5.66	117	18778	6.529 ug/l	#	17
76) 1,2,3-Trichloropropane	11.13	75	63857	21.229 ug/l	#	33
81) trans-1,4-Dichloro-2-buten	11.13	75	63857	58.519 ug/l	#	9

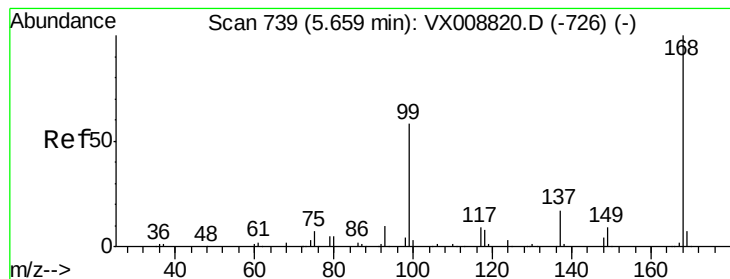
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 04 04:47:41 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

Instrument :

MSVOA_X

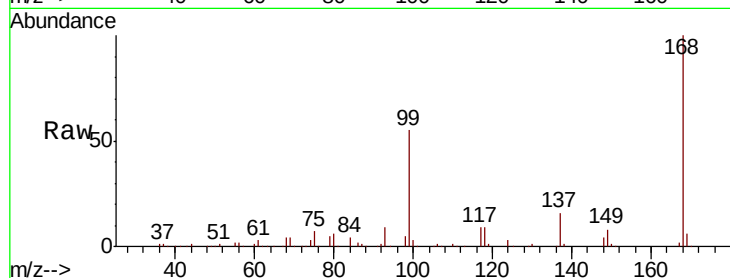
ClientSampleId :

Tot Ion:168 Resp: 198236

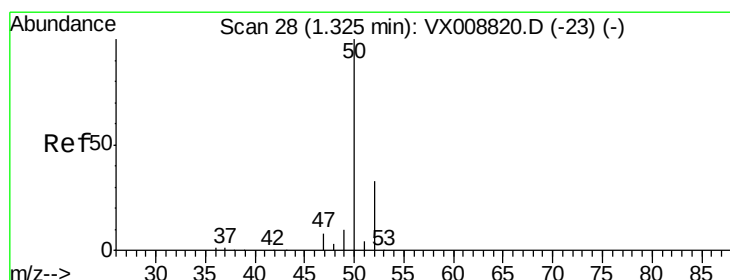
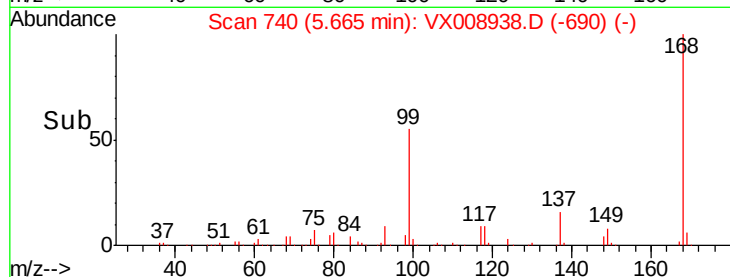
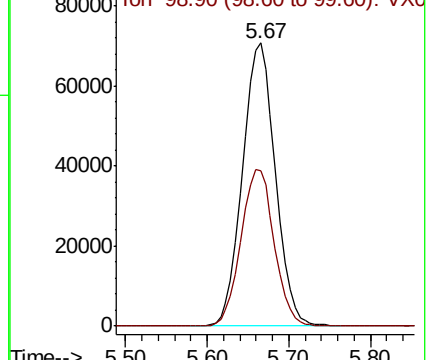
Ion Ratio Lower Upper

168 100

99 54.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VX008820.D (-726) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008938.D

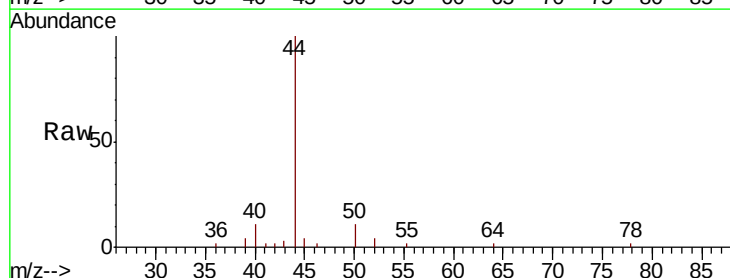
Acq: 13 Apr 2019 17:42

Tgt Ion: 50 Resp: 378

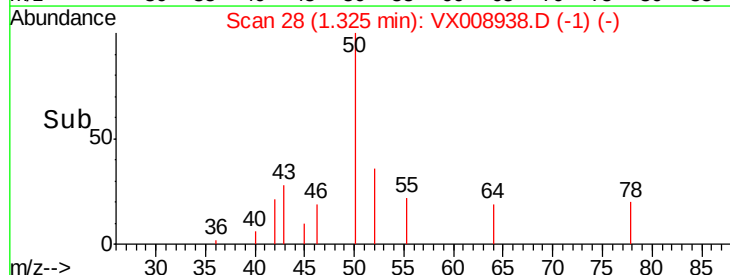
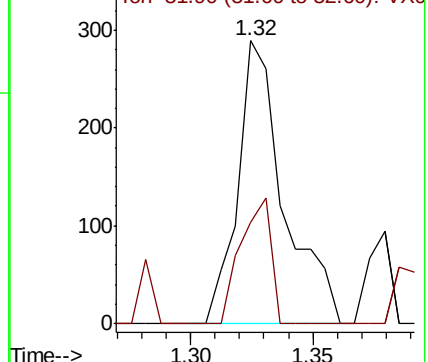
Ion Ratio Lower Upper

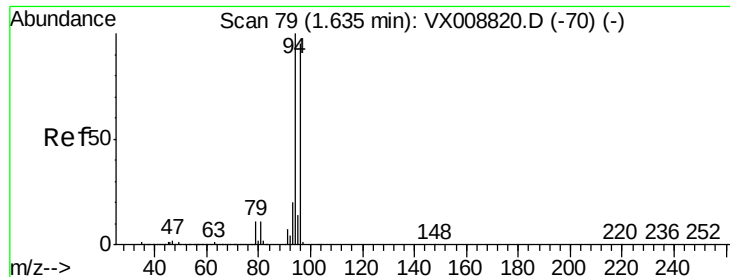
50 100

52 35.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX008820.D (-23) (-)





#5

Bromomethane

Concen: 1.947 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

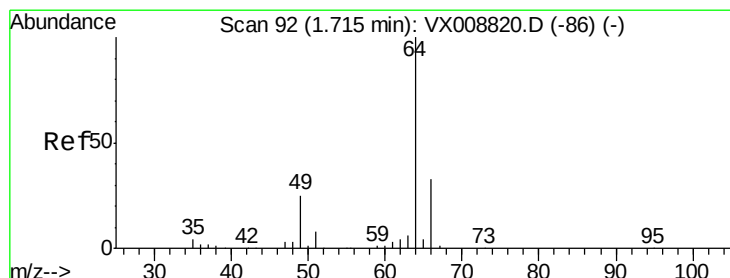
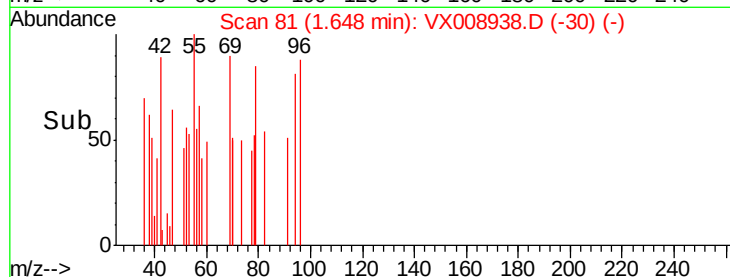
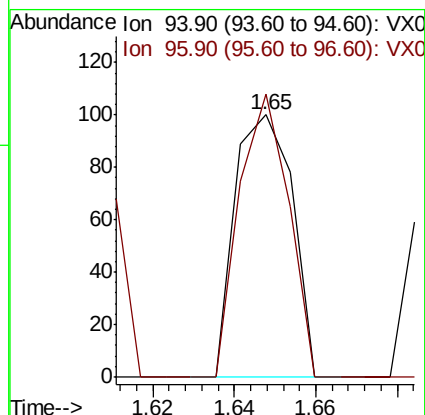
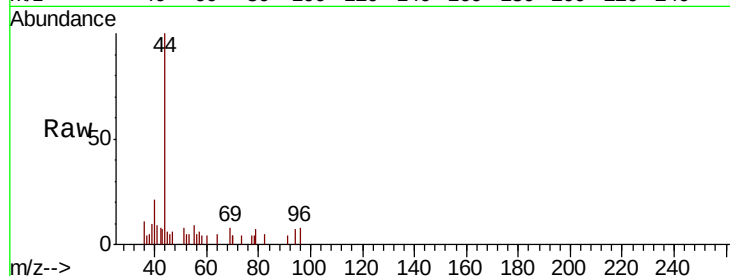
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 98

Ion Ratio Lower Upper

94 100

96 108.0 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008938.D

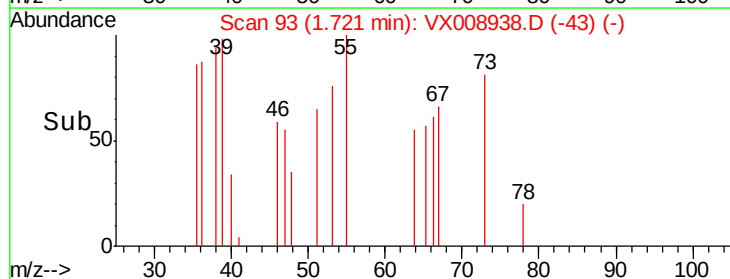
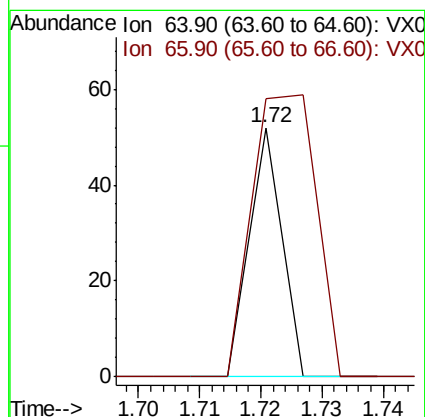
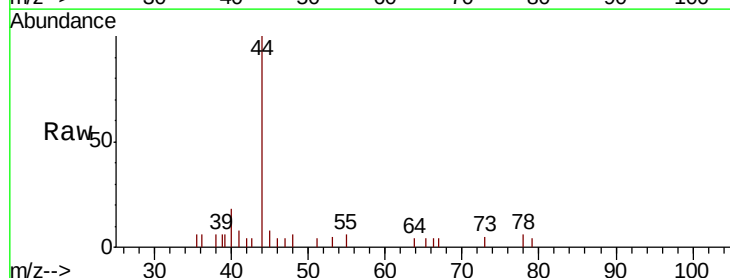
Acq: 13 Apr 2019 17:42

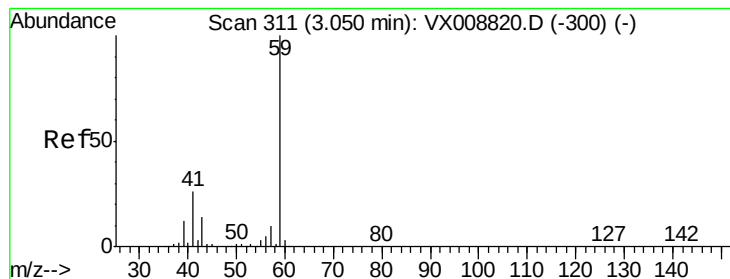
Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

64 100

66 111.5 25.4 38.0#



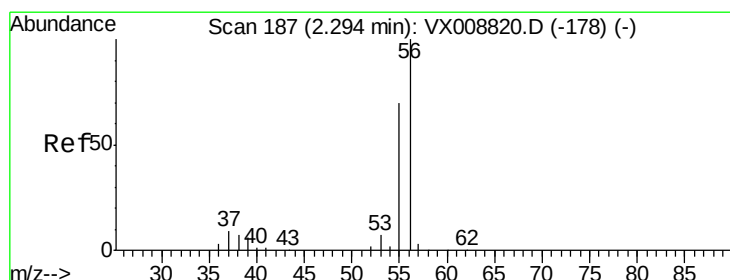
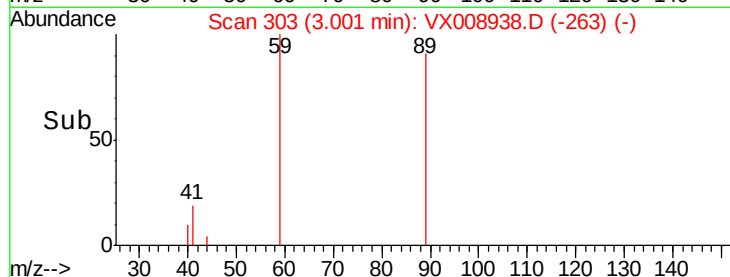
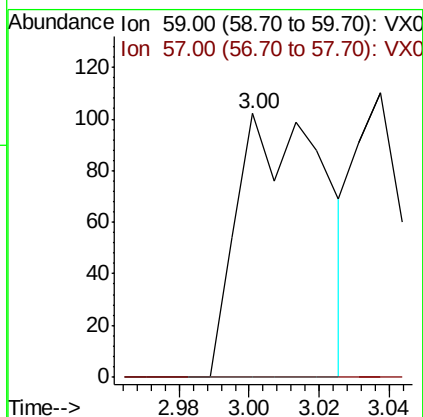
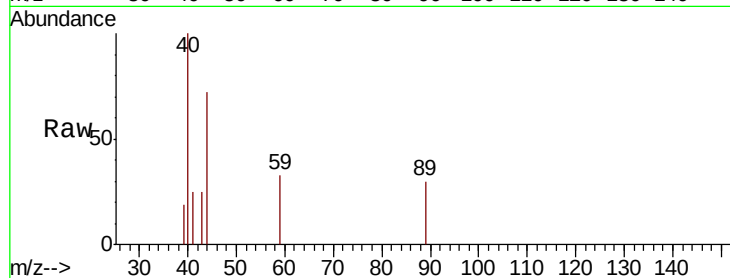


#11

Tert butyl alcohol
Concen: 0.263 ug/l
RT: 3.00 min Scan# 303
Delta R.T. -0.06 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

Instrument :
MSVOA_X
ClientSampleId :

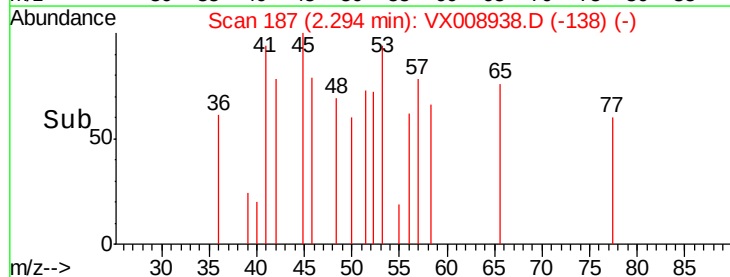
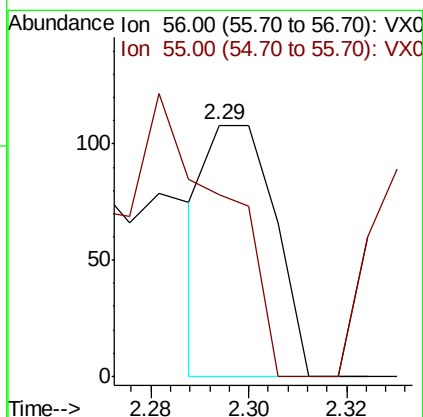
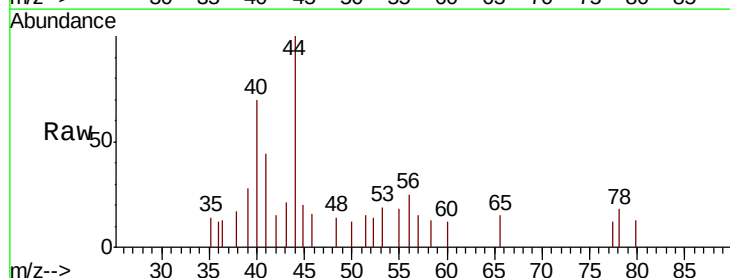
Tot Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

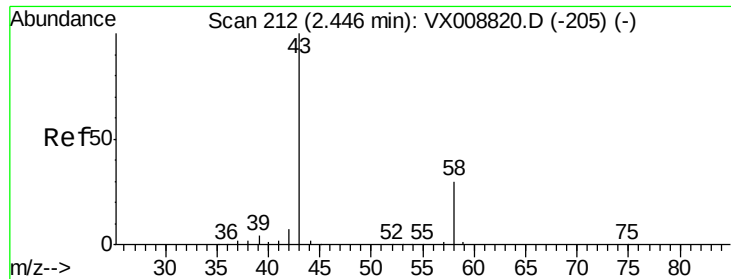


#13

Acrolein
Concen: 0.307 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#

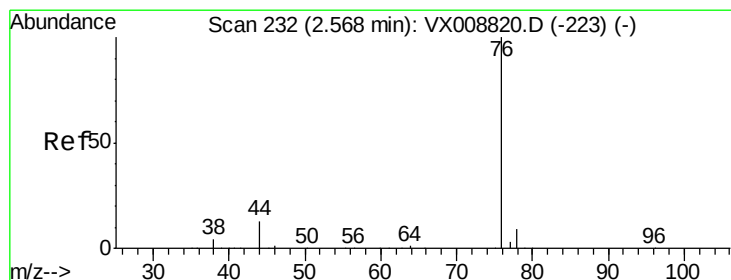
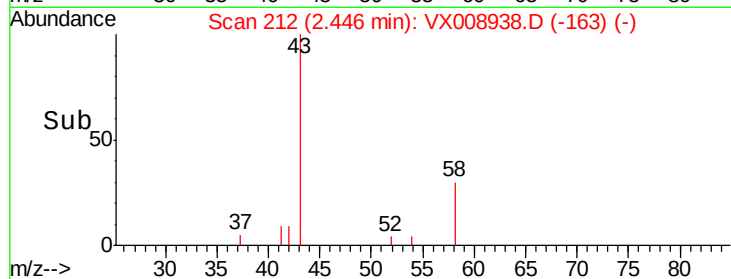
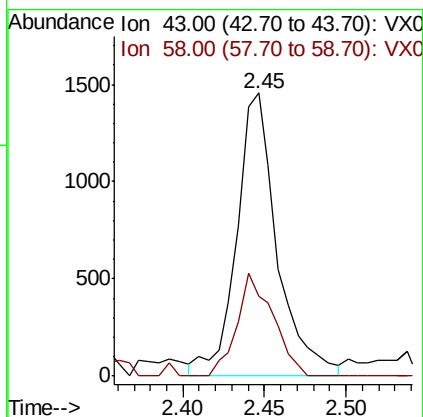
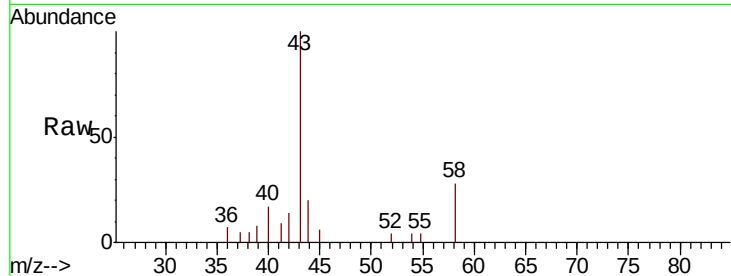




#16
Acetone
Concen: 1.519 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

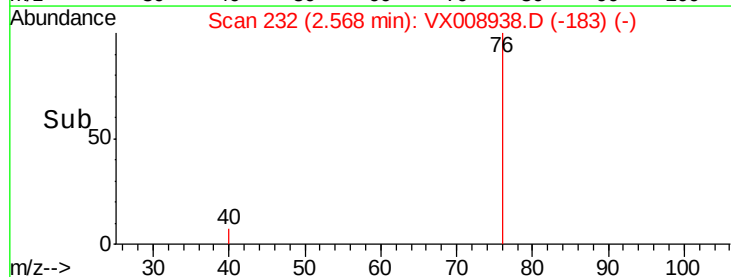
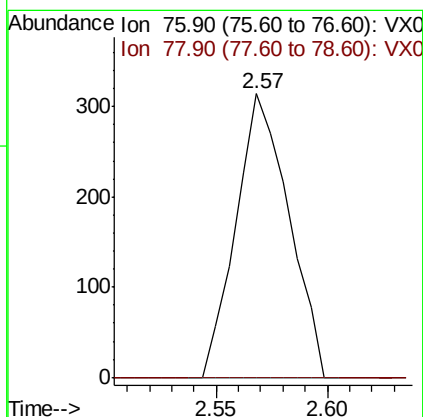
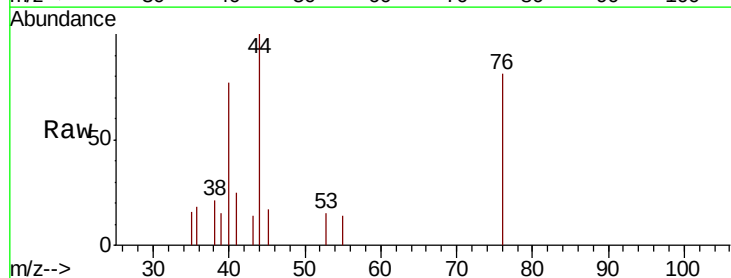
Instrument :
MSVOA_X
ClientSampleId :

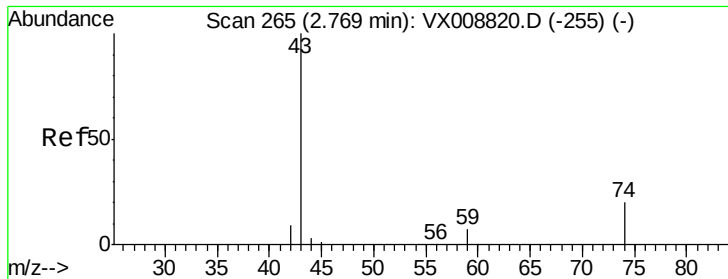
Tot Ion: 43 Resp: 2530
Ion Ratio Lower Upper
43 100
58 29.5 24.8 37.2



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

Tgt Ion: 76 Resp: 518
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

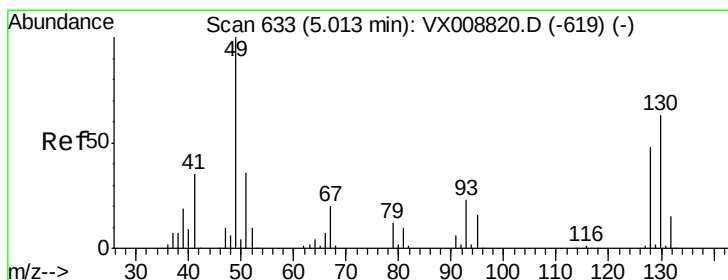
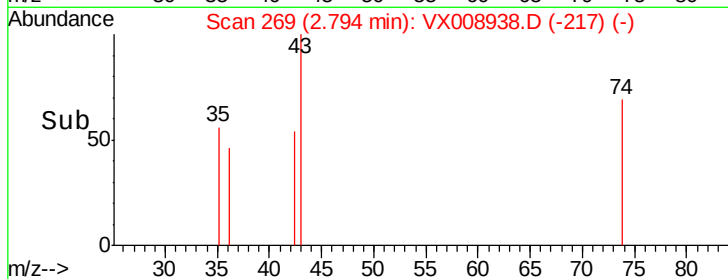
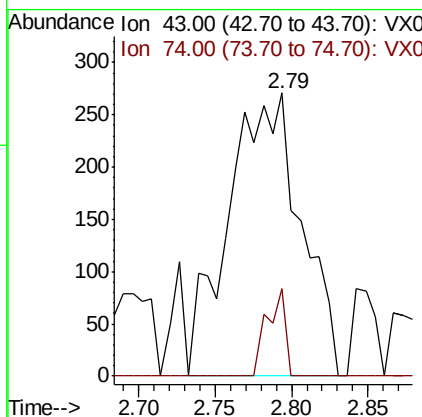
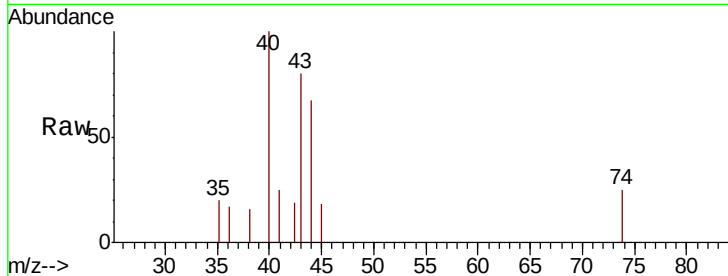




#18
Methvl Acetate
Concen: 0.221 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

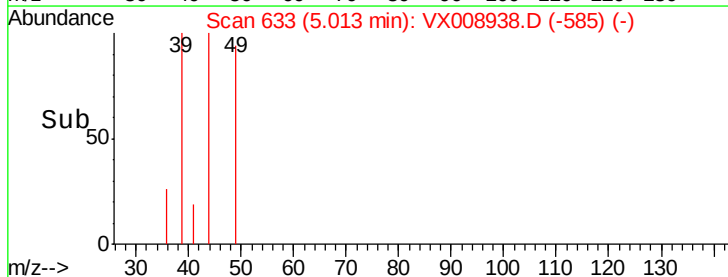
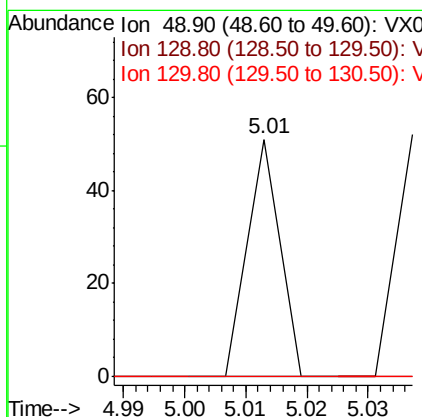
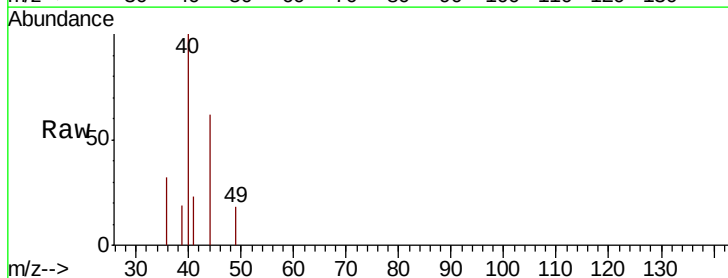
Instrument :
MSVOA_X
ClientSampled :

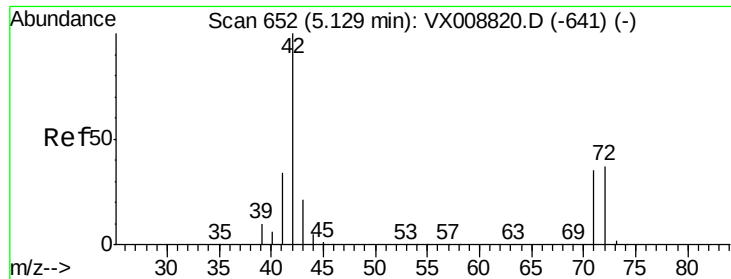
Tot Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
74 7.9 16.5 24.7#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

Tgt Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

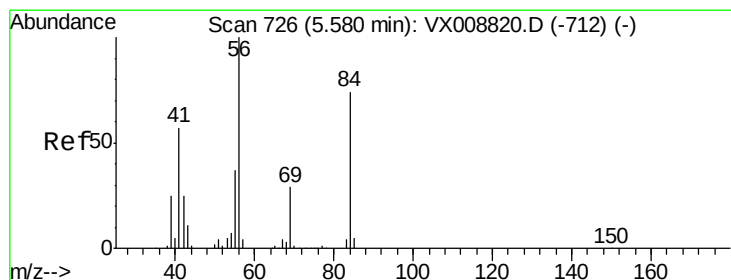
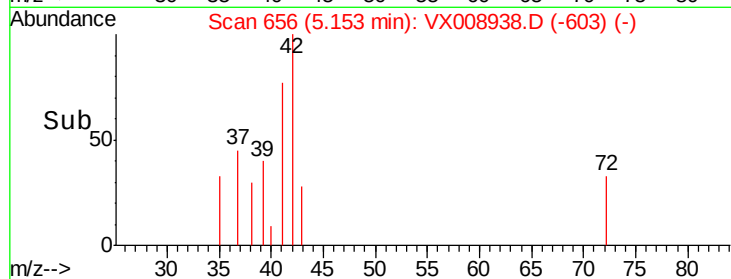
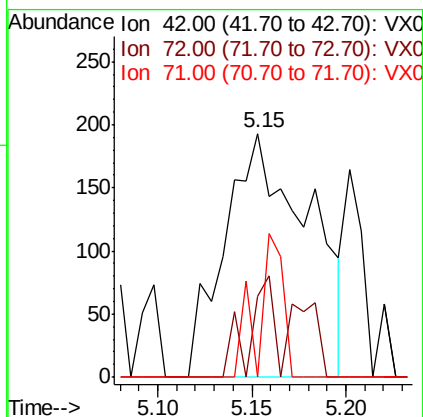
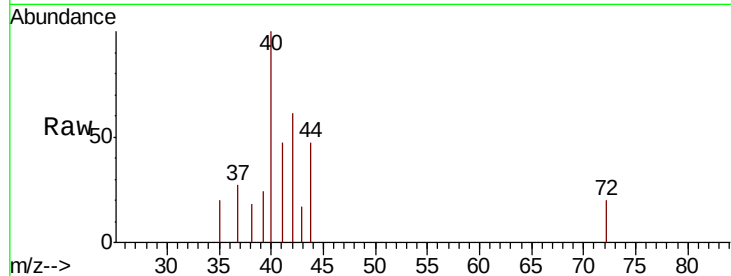




#29
Tetrahydrofuran
Concen: 0.341 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

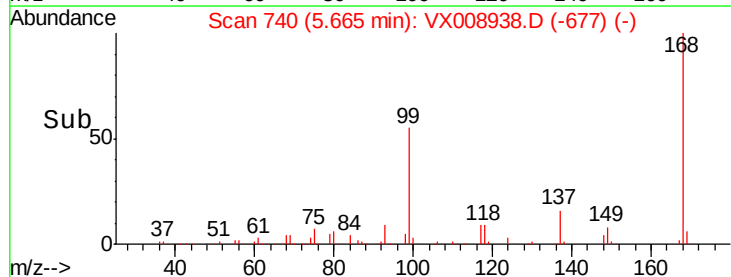
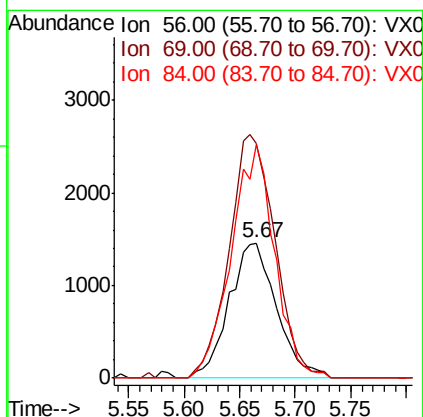
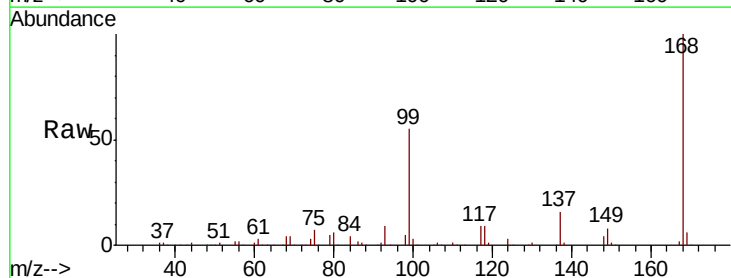
Instrument :
MSVOA_X
ClientSampled :

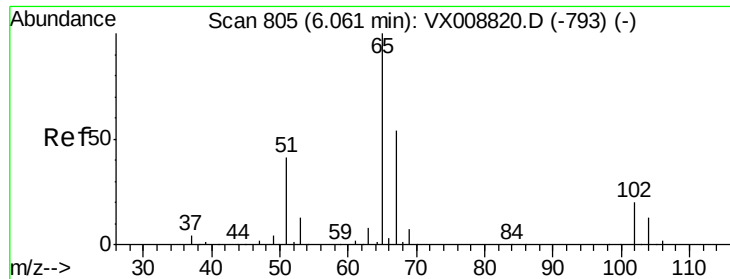
Tot Ion: 42 Resp: 595
Ion Ratio Lower Upper
42 100
72 12.1 30.5 45.7#
71 17.5 28.6 43.0#



#31
Cyclohexane
Concen: 0.861 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

Tgt Ion: 56 Resp: 4301
Ion Ratio Lower Upper
56 100
69 174.0 22.6 33.8#
84 172.7 59.3 88.9#

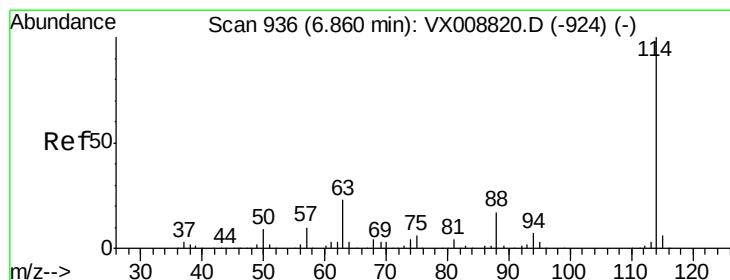
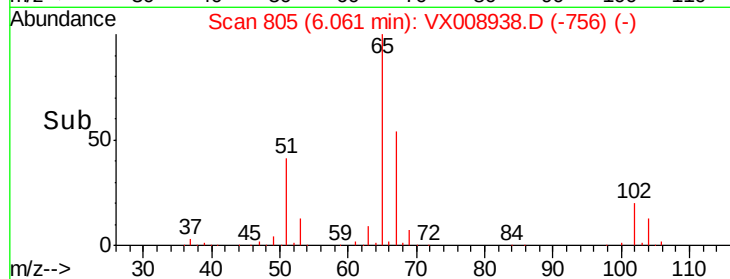
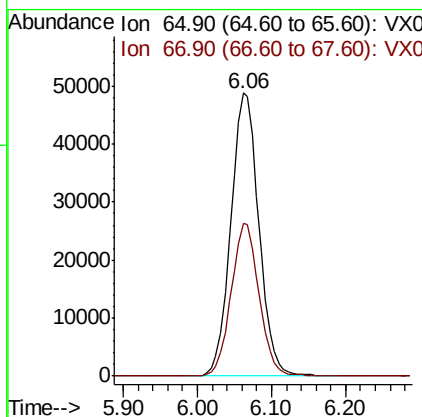
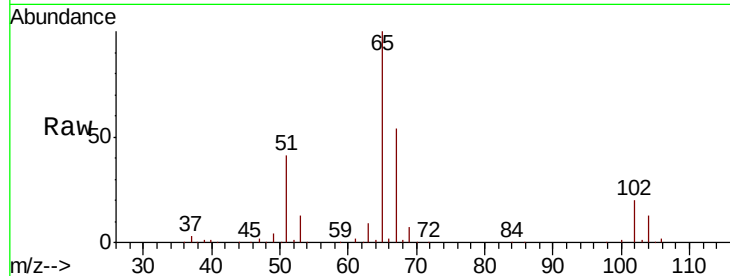




#33
 1,2-Dichloroethane-d4
 Concen: 44.478 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008938.D
 Acq: 13 Apr 2019 17:42

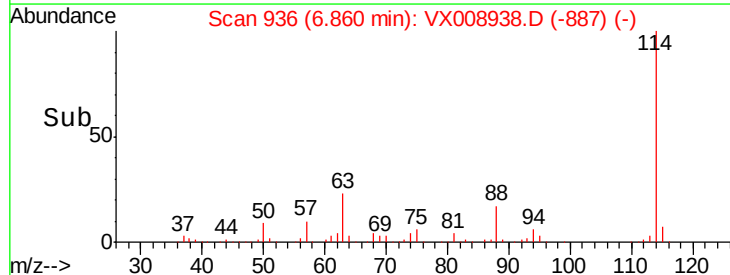
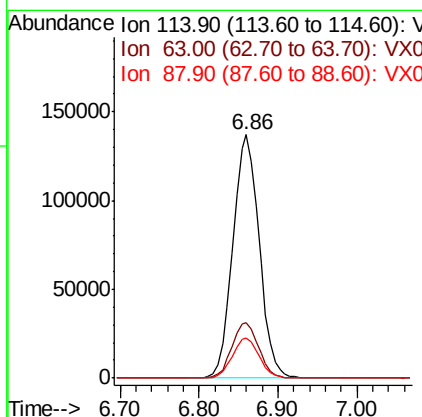
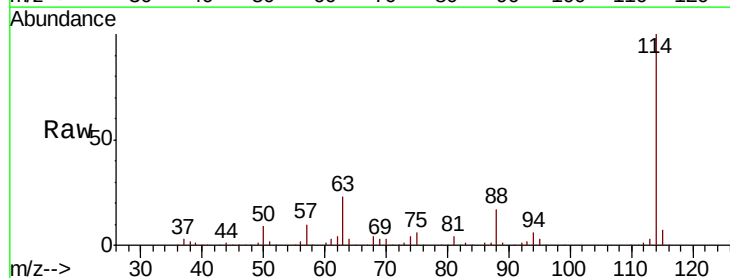
Instrument :
 MSVOA_X
 ClientSampled :

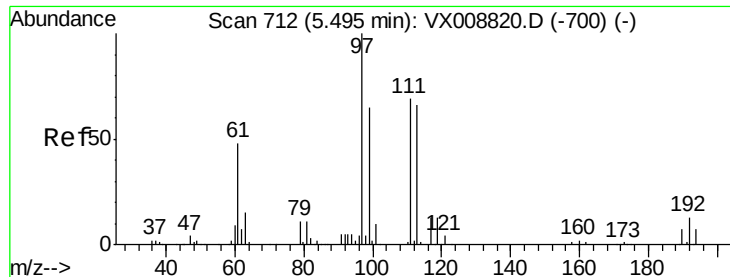
Tot Ion: 65 Resp: 128602
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008938.D
 Acq: 13 Apr 2019 17:42

Tgt Ion: 114 Resp: 317914
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.2
 88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.585 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

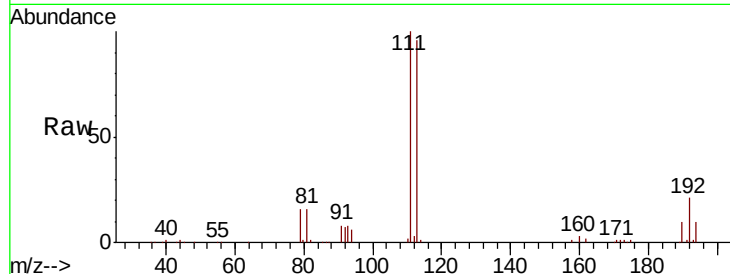
Tot Ion:113 Resp: 94689

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

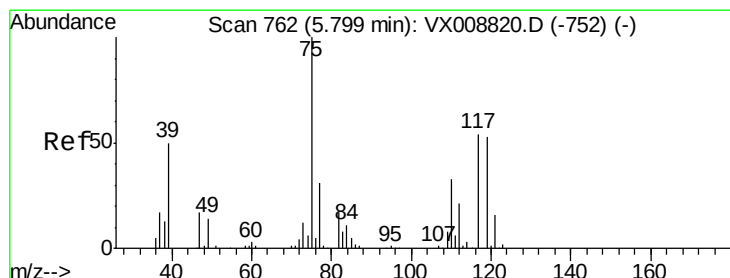
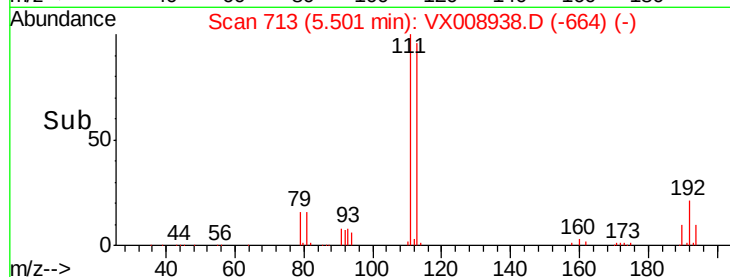
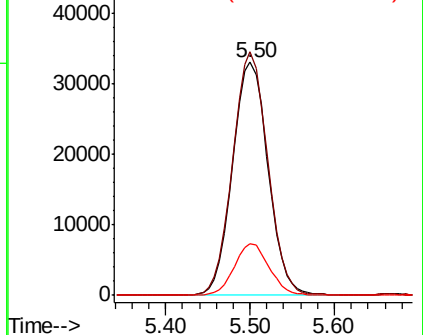
192 21.6 16.1 24.1



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: 4.395 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

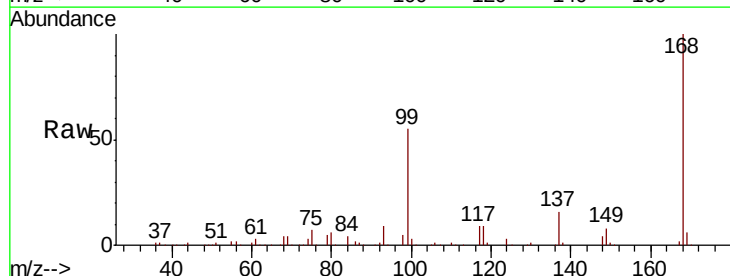
Tgt Ion: 75 Resp: 15274

Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.2#

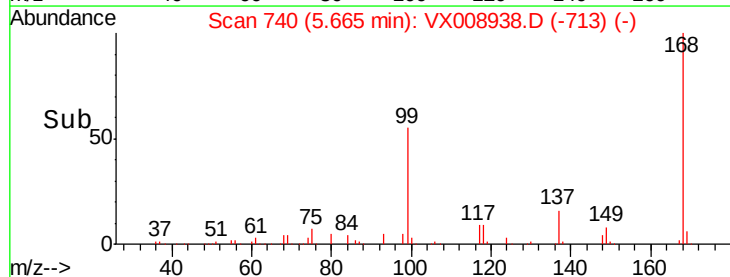
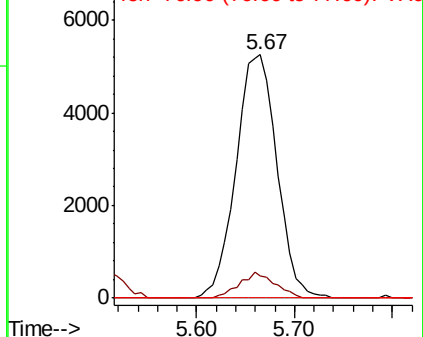
77 0.0 24.7 37.1#

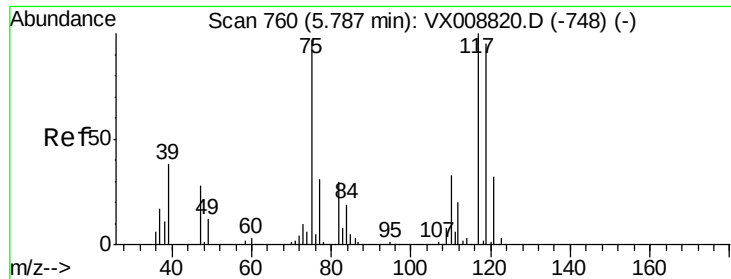


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.529 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

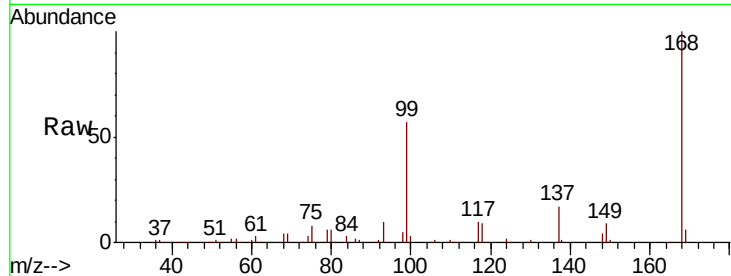
Tot Ion:117 Resp: 18778

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

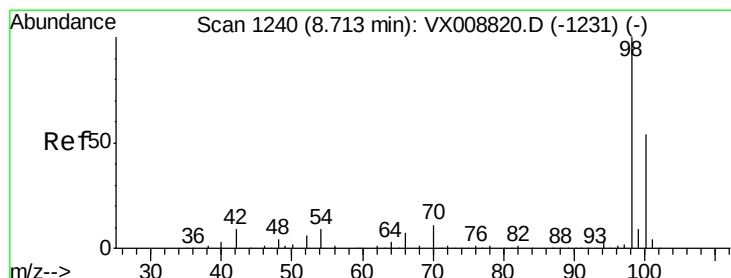
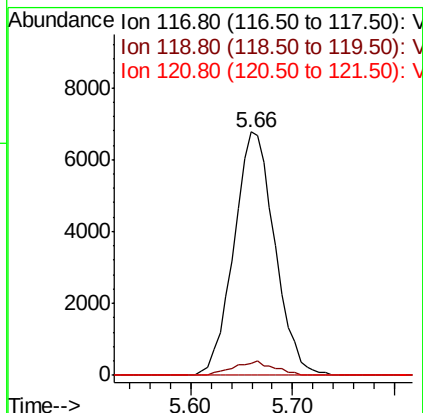
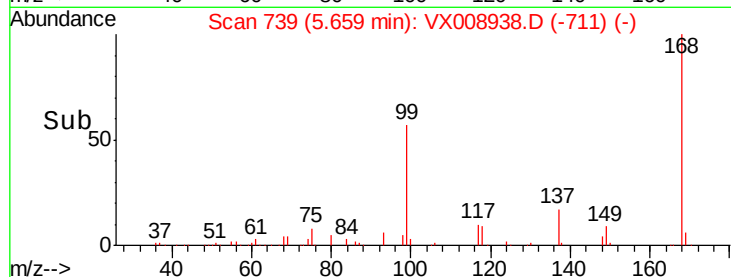
121 0.0 24.3 36.5#



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



#50

Toluene-d8

Concen: 48.624 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008938.D

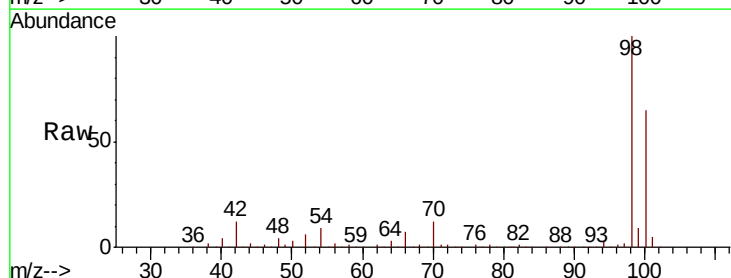
Acq: 13 Apr 2019 17:42

Tgt Ion: 98 Resp: 393532

Ion Ratio Lower Upper

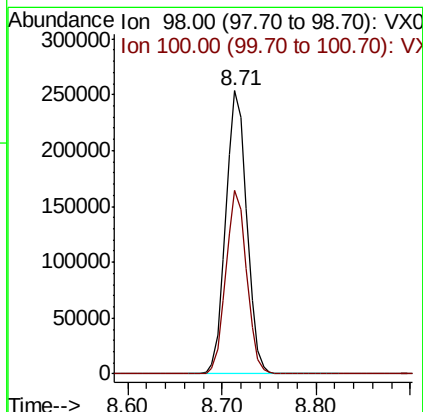
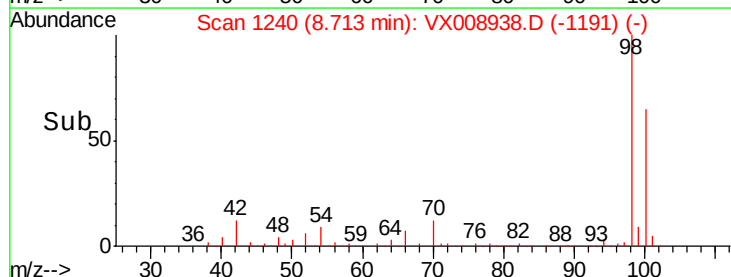
98 100

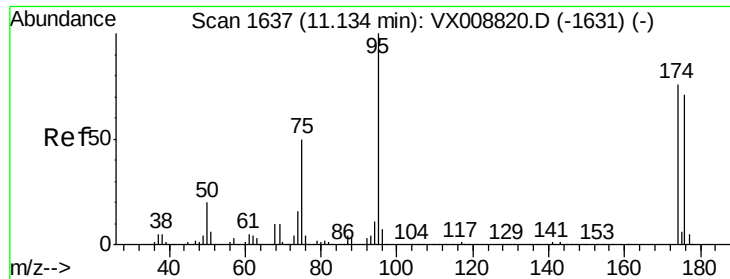
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.177 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

Instrument :

MSVOA_X

ClientSampled :

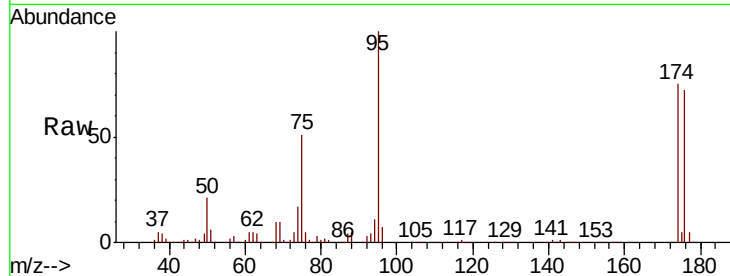
Tot Ion: 95 Resp: 126788

Ion Ratio Lower Upper

95 100

174 79.8 0.0 151.8

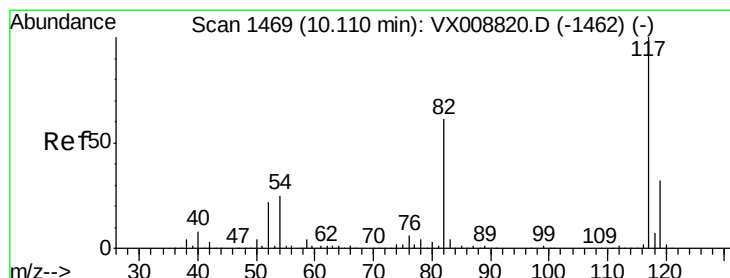
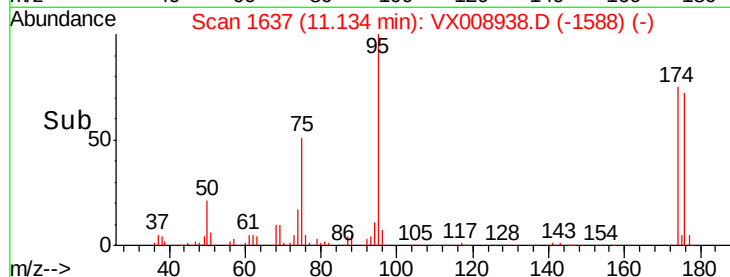
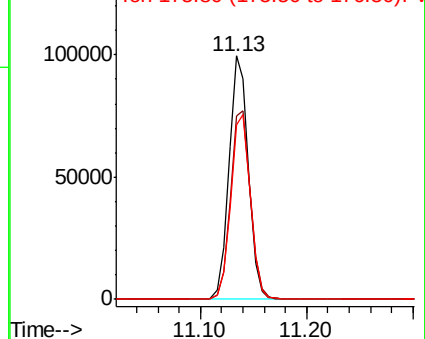
176 77.4 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008820.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX008820.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX008820.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

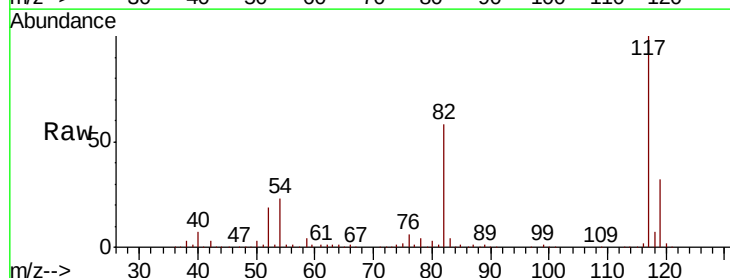
Tgt Ion: 117 Resp: 268504

Ion Ratio Lower Upper

117 100

82 58.2 49.6 74.4

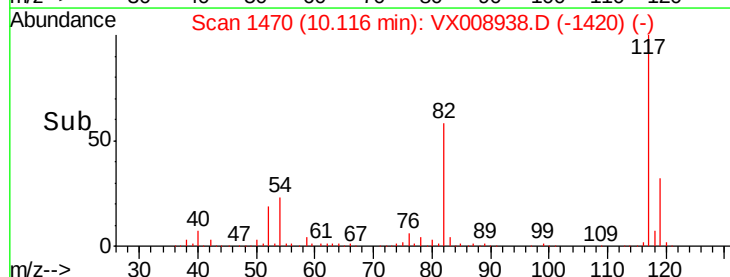
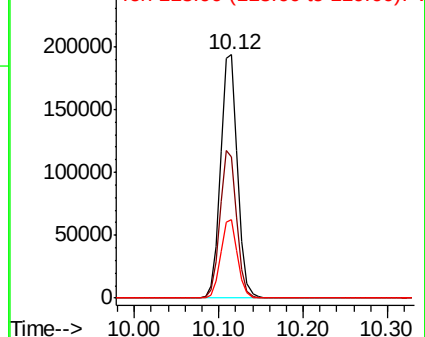
119 32.1 25.0 37.4

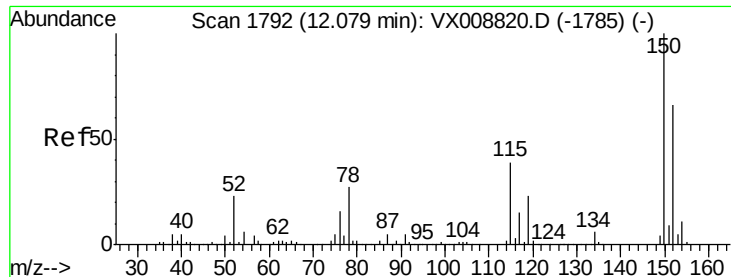


Abundance Ion 116.90 (116.60 to 117.60): VX008820.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008820.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008820.D (-1462) (-)



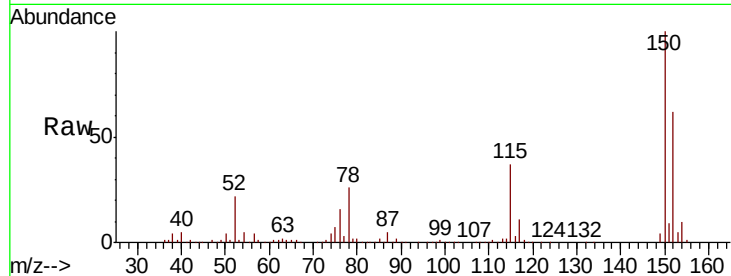


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.1	43.5	130.5
150	159.1	0.0	348.8

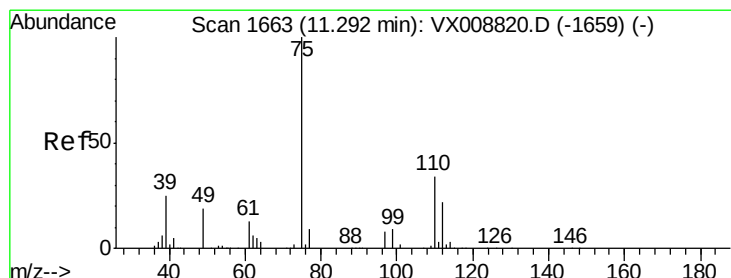
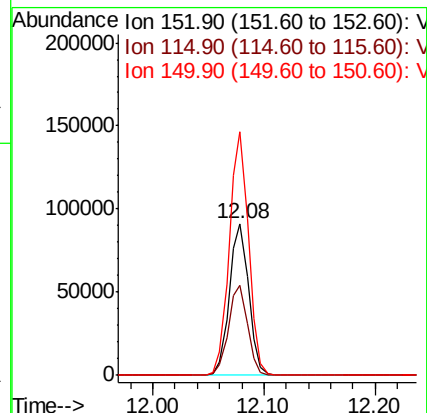
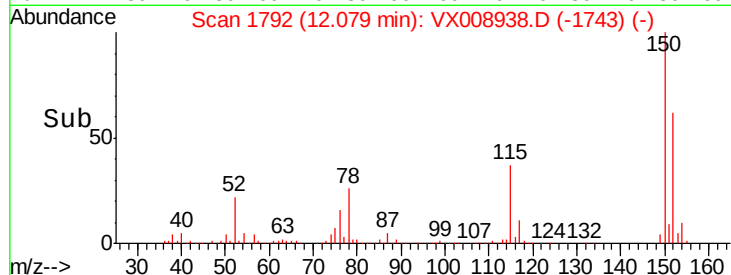


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

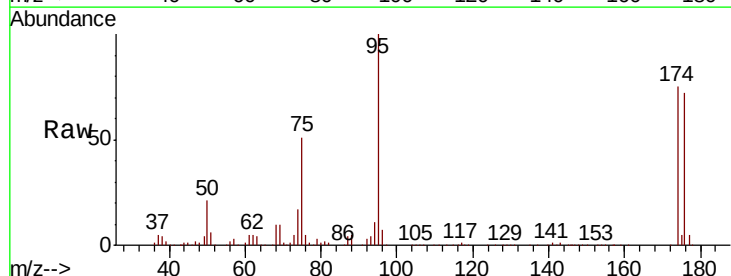
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 21.229 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008938.D
Acq: 13 Apr 2019 17:42

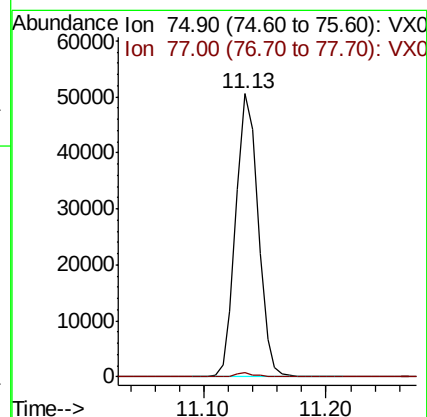
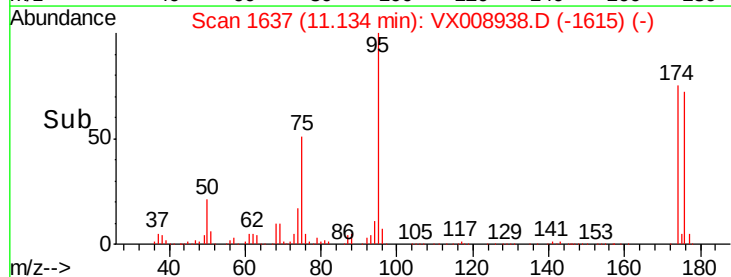
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	22.3	66.8

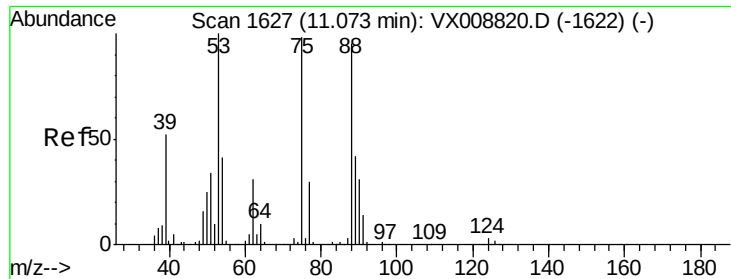


Abundance

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: 58.519 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008938.D

Acq: 13 Apr 2019 17:42

Instrument :

MSVOA_X

ClientSampleId :

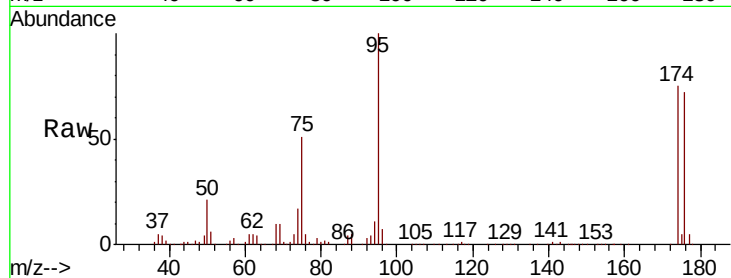
Tot Ion: 75 Resp: 63857

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

