

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009167.D
 Acq On : 25 Apr 2019 17:06
 Operator : JC/SP
 Sample : K2566-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:40:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124429	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	139500	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	5.50	113	103092	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	8.71	98	420719	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.13	95	139184	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

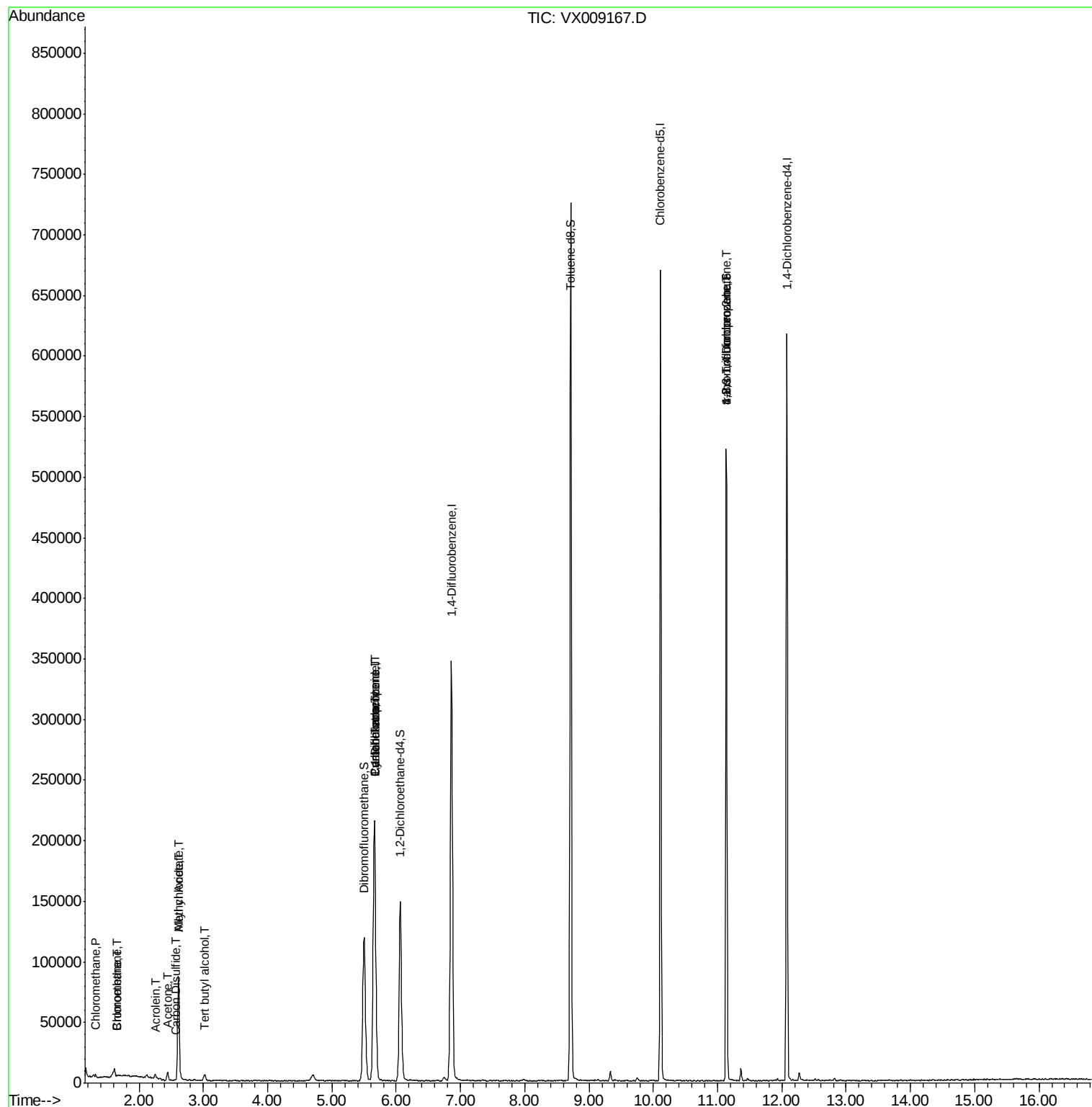
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2297	0.778	ug/l	92
5) Bromomethane	1.65	94	325	4.015	ug/l #	43
6) Chloroethane	1.66	64	1445	0.855	ug/l #	61
11) Tert butyl alcohol	3.02	59	3294	5.044	ug/l #	74
13) Acrolein	2.27	56	124	0.220	ug/l #	1
14) Allyl chloride	2.61	41	8427	1.725	ug/l #	59
16) Acetone	2.45	43	8003	5.246	ug/l	98
17) Carbon Disulfide	2.57	76	473	1.323	ug/l #	76
18) Methyl Acetate	2.61	43	22078	5.798	ug/l #	55
28) Bromochloromethane	5.03	49	39	Below Cal	#	21
31) Cyclohexane	5.66	56	4630	0.988	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16946	4.880	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19467	6.613	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	70924	23.343	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70924	59.929	ug/l #	11

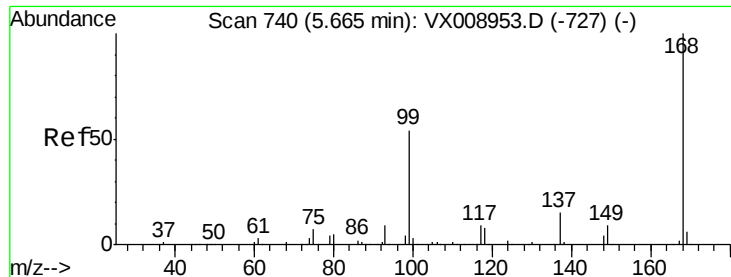
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 17 06:47:58 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: VX009167.D

Acq: 25 Apr 2019 17:06

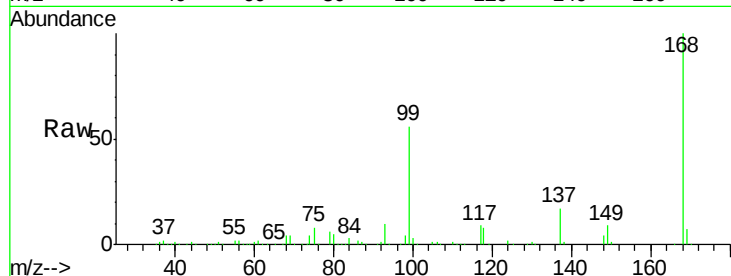
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 208753

Ion Ratio Lower Upper

168 100

99 55.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

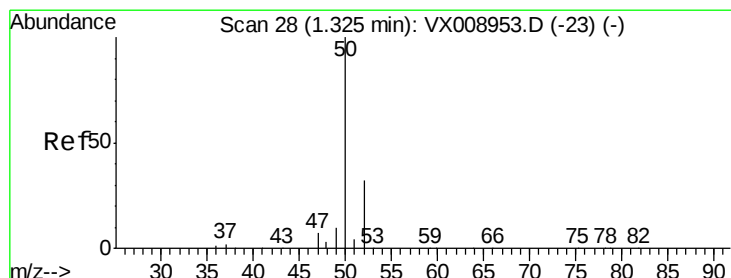
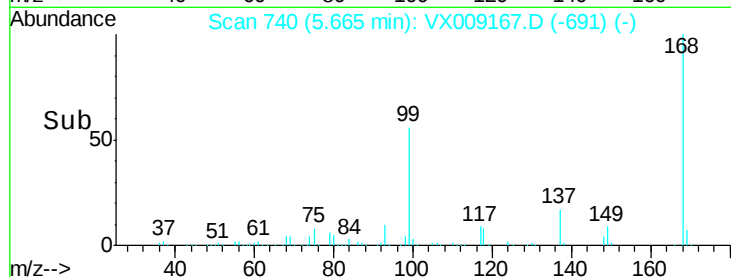
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.778 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009167.D

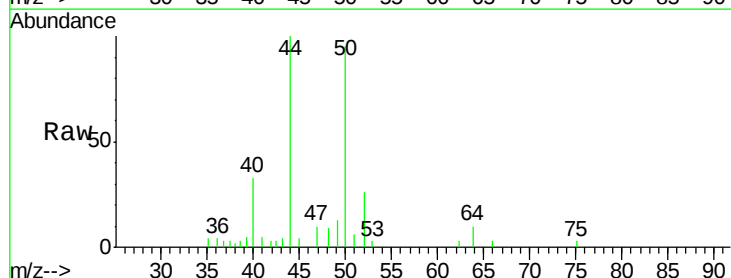
Acq: 25 Apr 2019 17:06

Tgt Ion: 50 Resp: 2297

Ion Ratio Lower Upper

50 100

52 27.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

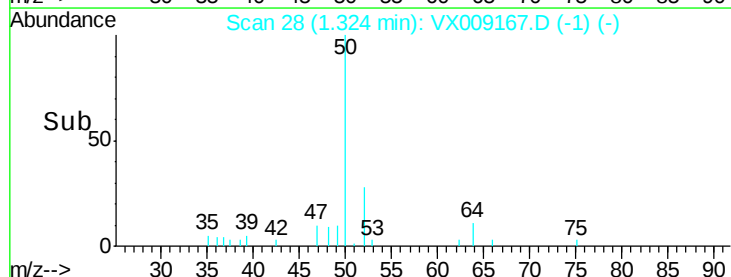
1500

1000

500

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 4.015 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009167.D

Acq: 25 Apr 2019 17:06

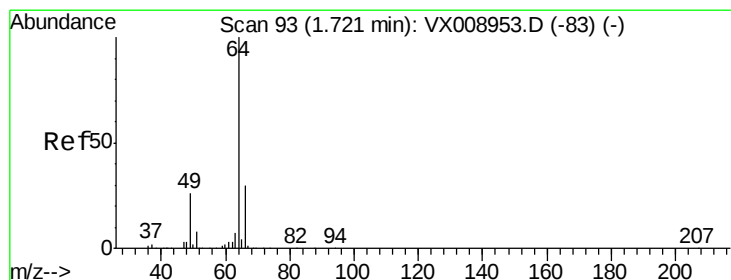
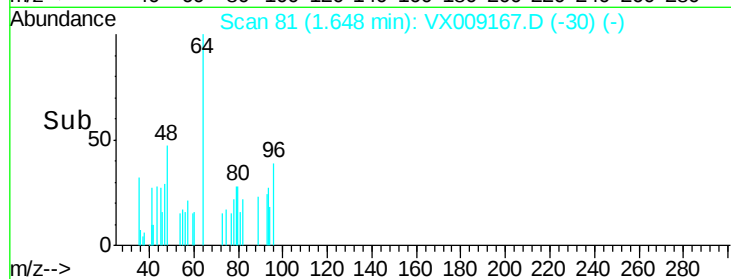
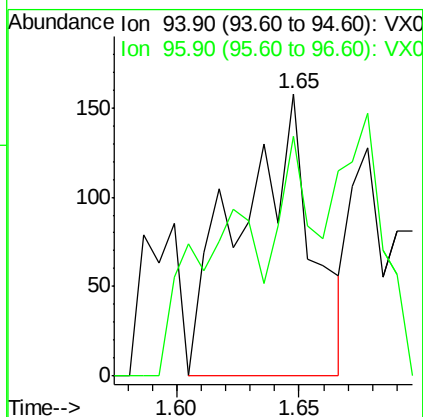
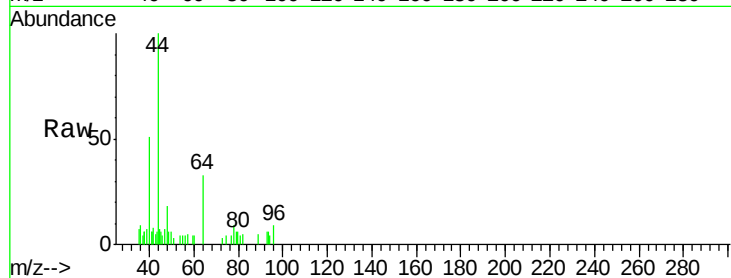
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 325

Ion Ratio Lower Upper

94 100

96 38.0 73.9 110.9#



#6

Chloroethane

Concen: 0.855 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.06 min

Lab File: VX009167.D

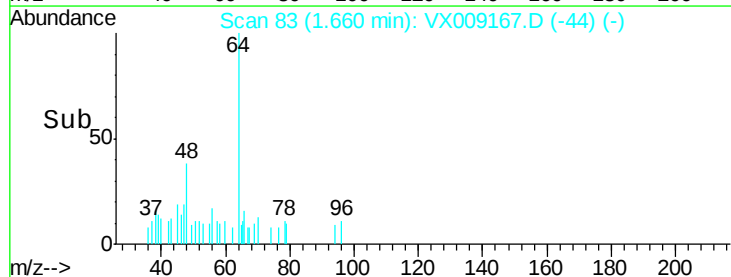
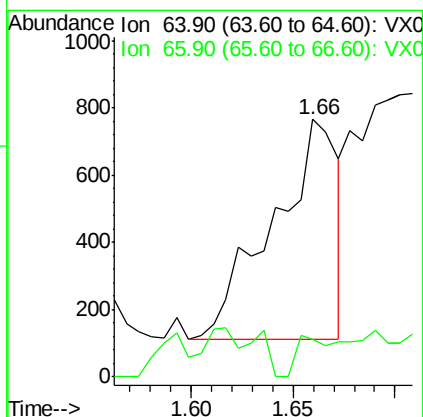
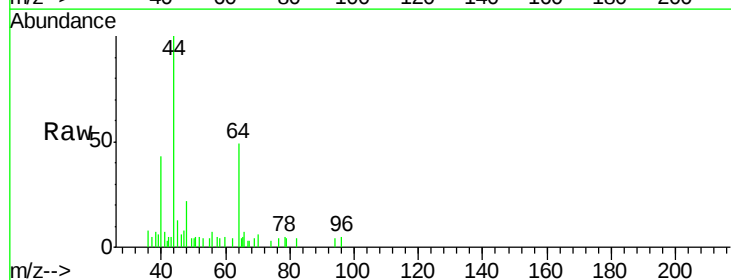
Acq: 25 Apr 2019 17:06

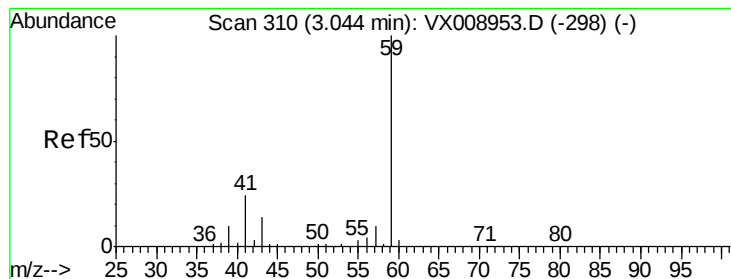
Tgt Ion: 64 Resp: 1445

Ion Ratio Lower Upper

64 100

66 9.0 24.2 36.2#



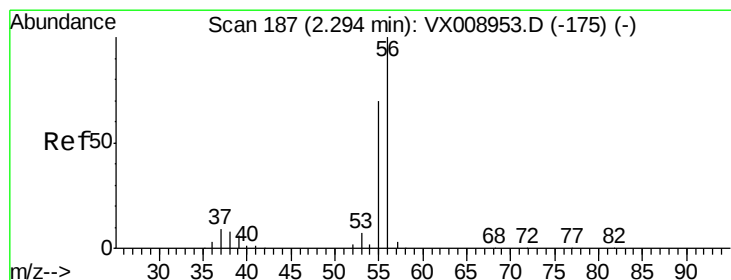
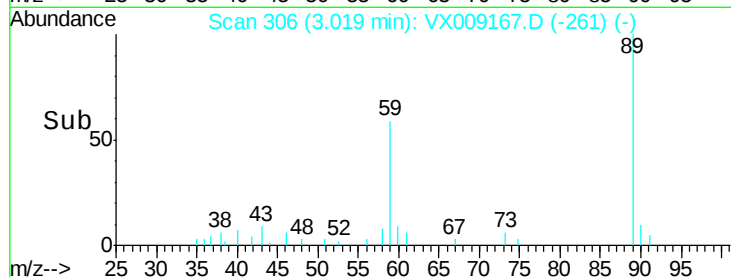
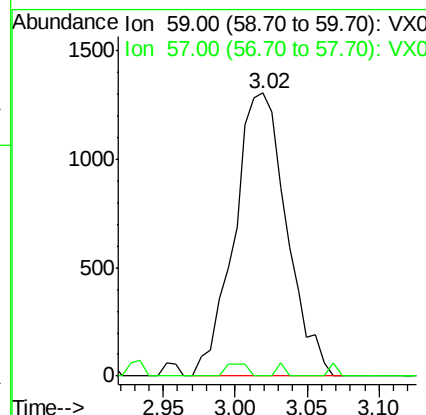
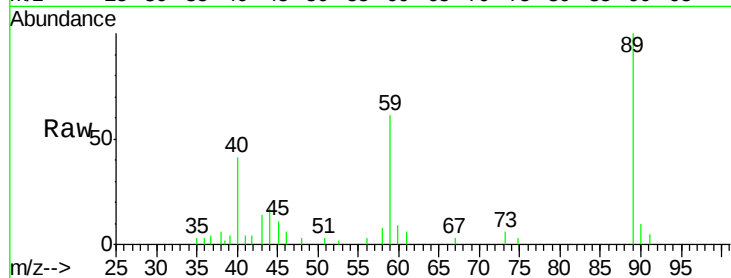


#11

Tert butyl alcohol
 Concen: 5.044 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009167.D
 Acq: 25 Apr 2019 17:06

Instrument :
 MSVOA_X
 ClientSampled :

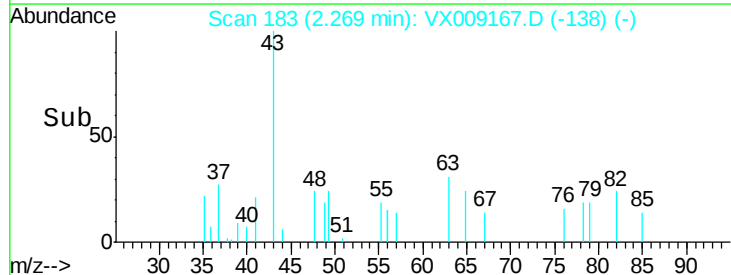
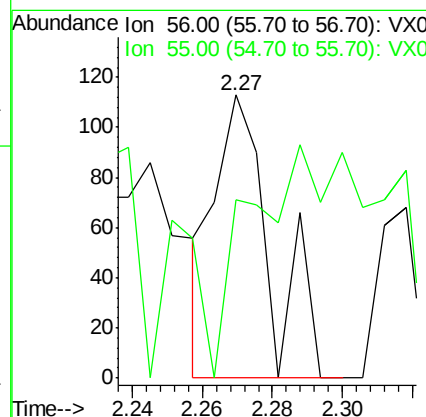
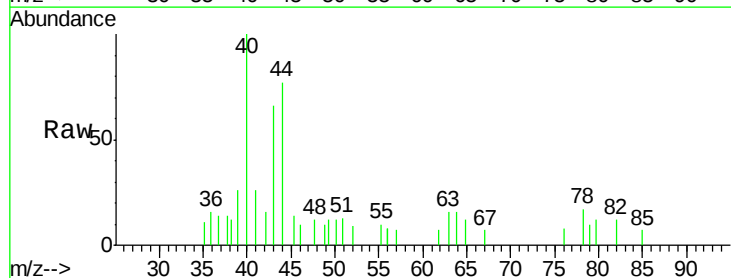
Tot Ion: 59 Resp: 3294
 Ion Ratio Lower Upper
 59 100
 57 0.7 8.4 12.6#

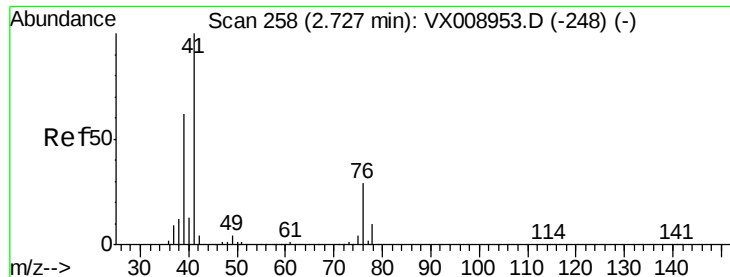


#13

Acrolein
 Concen: 0.220 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VX009167.D
 Acq: 25 Apr 2019 17:06

Tgt Ion: 56 Resp: 124
 Ion Ratio Lower Upper
 56 100
 55 200.0 56.6 84.8#





#14

Allvl chloride

Concen: 1.725 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.12 min

Lab File: VX009167.D

Acq: 25 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

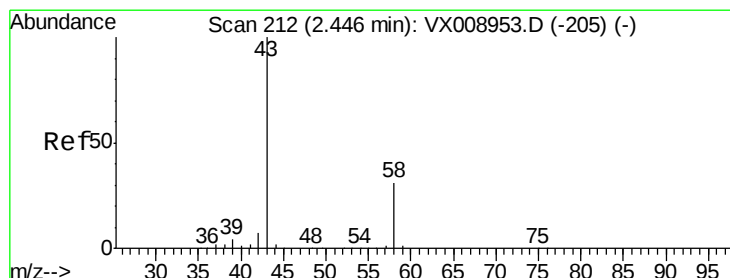
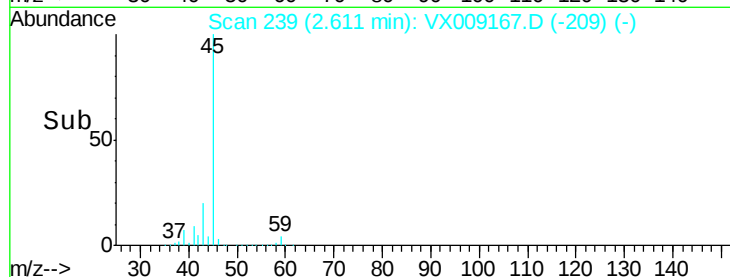
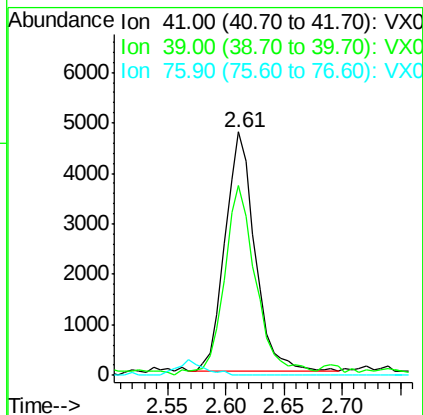
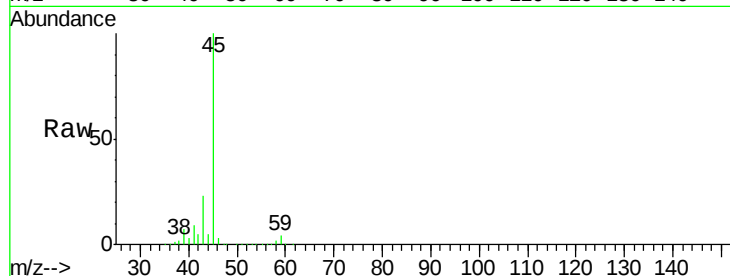
Tot Ion: 41 Resp: 8427

Ion Ratio Lower Upper

41 100

39 85.2 46.7 70.1#

76 0.0 22.0 33.0#



#16

Acetone

Concen: 5.246 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009167.D

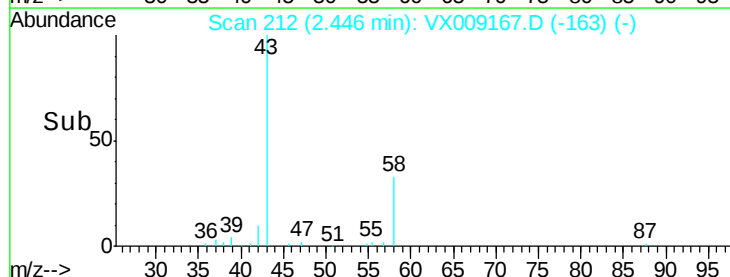
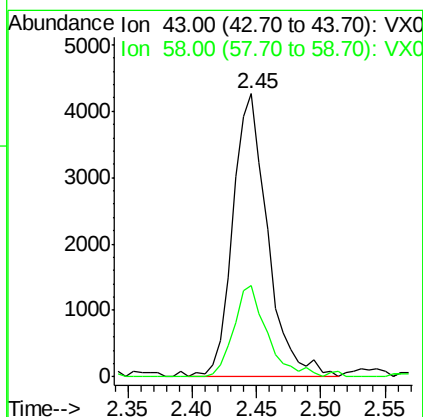
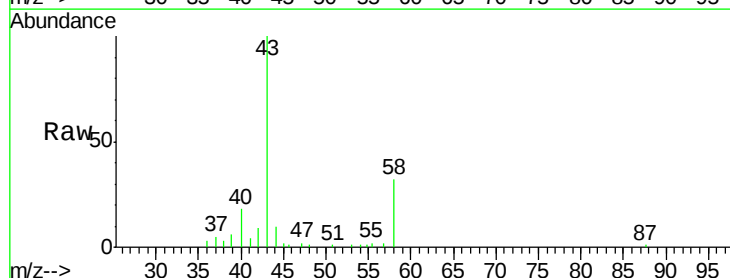
Acq: 25 Apr 2019 17:06

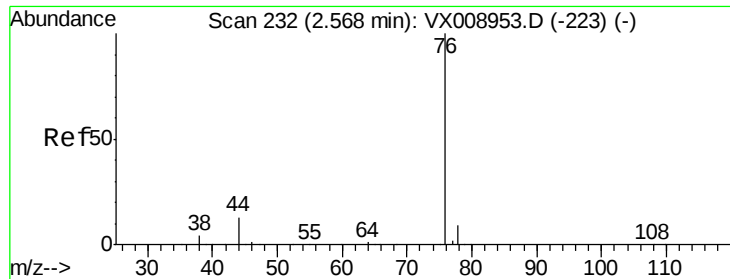
Tgt Ion: 43 Resp: 8003

Ion Ratio Lower Upper

43 100

58 32.1 24.8 37.2





#17

Carbon Disulfide

Concen: 1.323 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009167.D

Acq: 25 Apr 2019 17:06

Instrument :

MSVOA_X

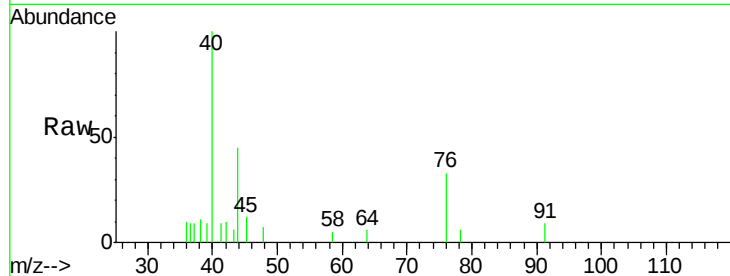
ClientSampleId :

Tot Ion: 76 Resp: 473

Ion Ratio Lower Upper

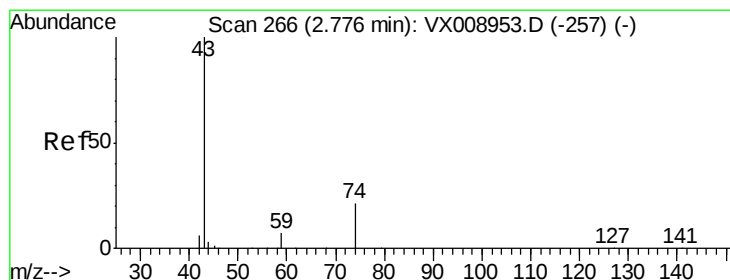
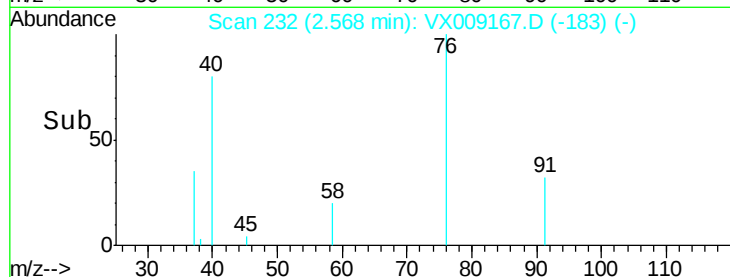
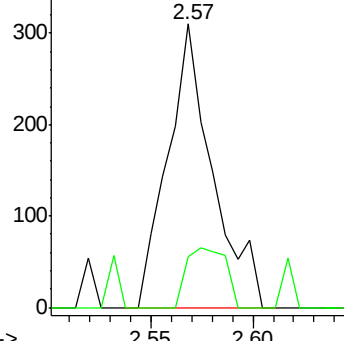
76 100

78 17.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 5.798 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.16 min

Lab File: VX009167.D

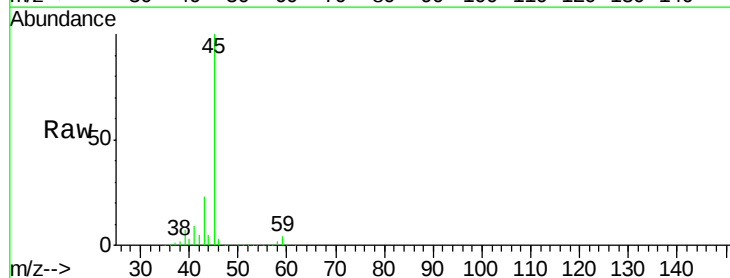
Acq: 25 Apr 2019 17:06

Tgt Ion: 43 Resp: 22078

Ion Ratio Lower Upper

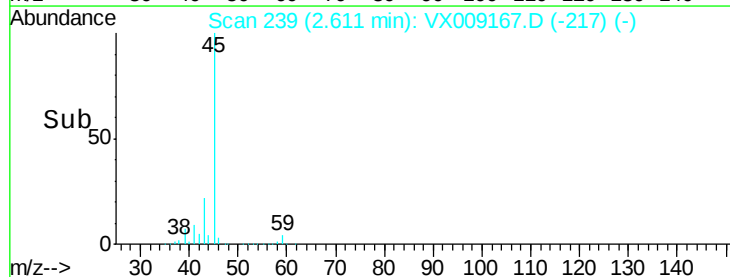
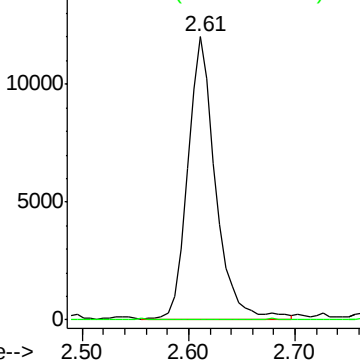
43 100

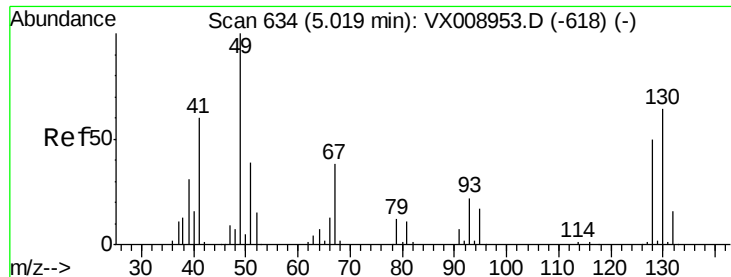
74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

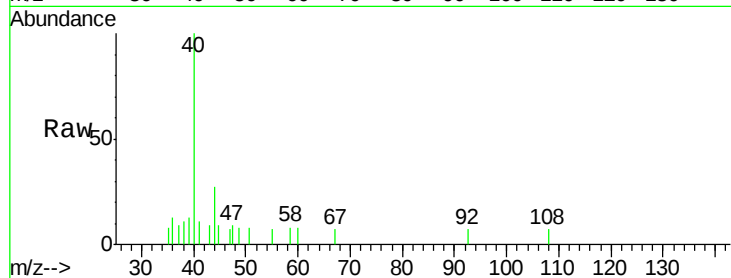
Delta R.T. 0.01 min

Lab File: VX009167.D

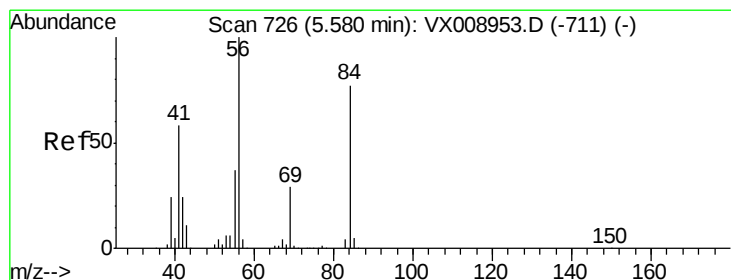
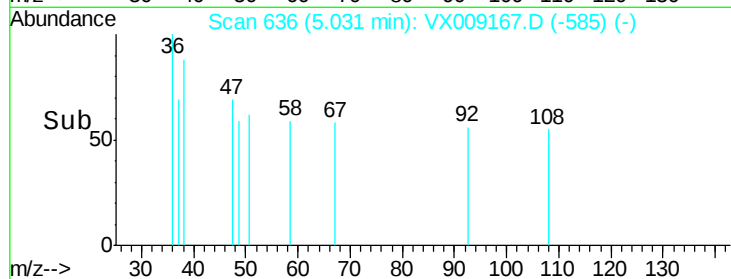
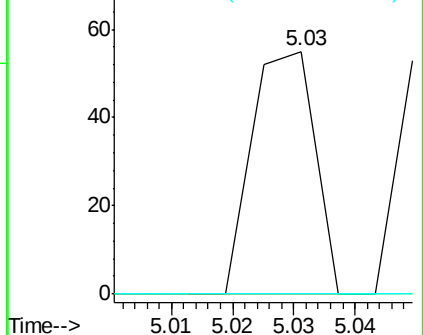
Acq: 25 Apr 2019 17:06

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 39
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.988 ug/l

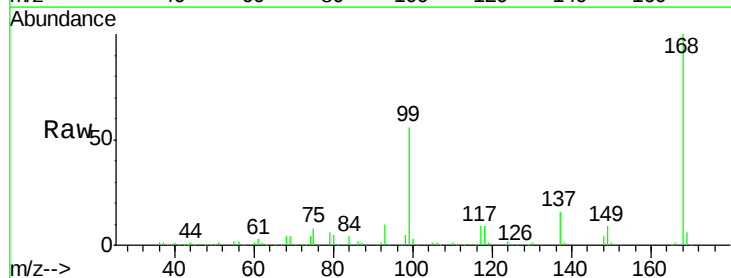
RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

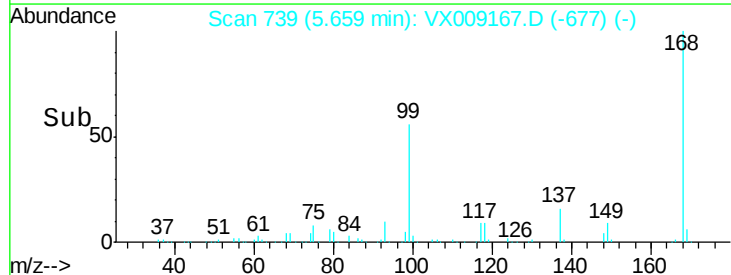
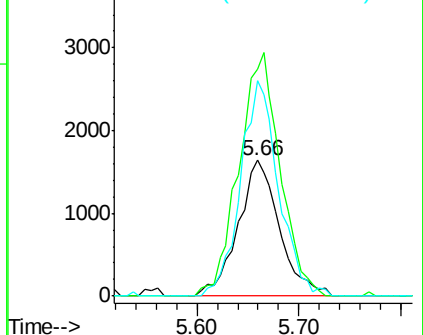
Lab File: VX009167.D

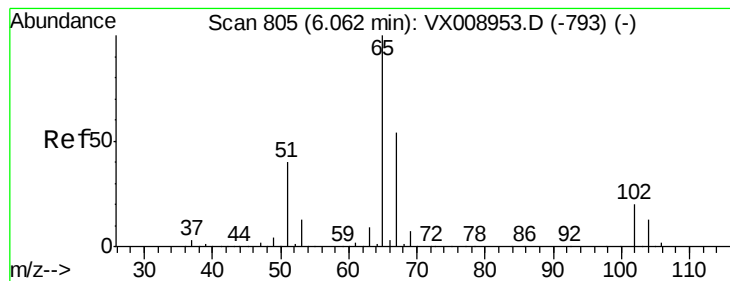
Acq: 25 Apr 2019 17:06

Tgt Ion: 56 Resp: 4630
Ion Ratio Lower Upper
56 100
69 167.8 23.3 34.9#
84 158.5 61.7 92.5#



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: 47.418 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009167.D

Acq: 25 Apr 2019 17:06

Instrument :

MSVOA_X

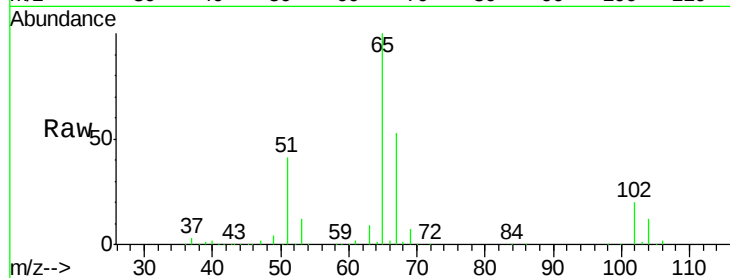
ClientSampleId :

Tot Ion: 65 Resp: 139500

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.6

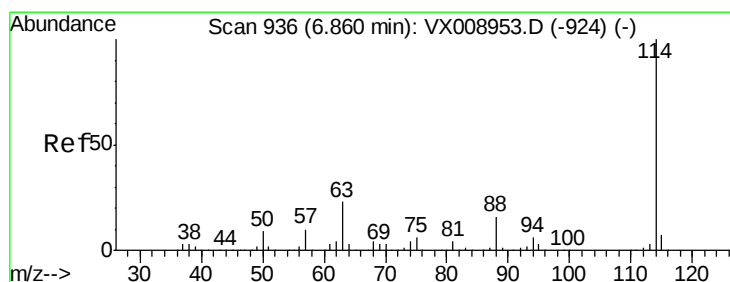
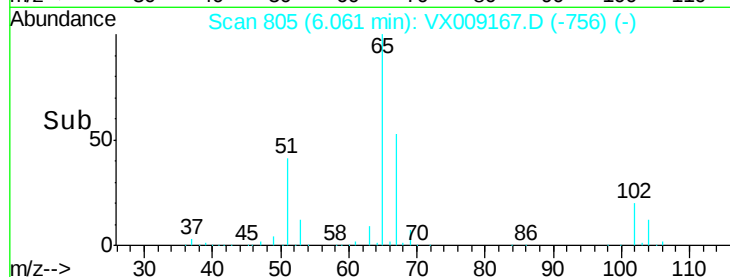


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009167.D

Acq: 25 Apr 2019 17:06

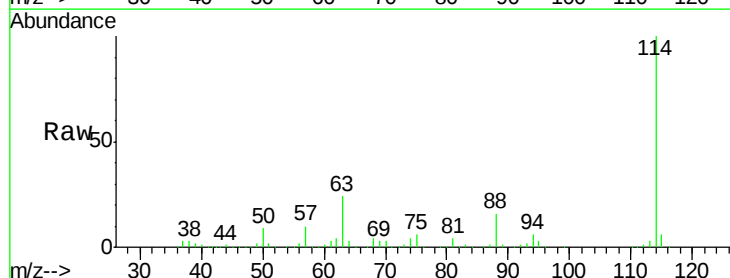
Tgt Ion:114 Resp: 335747

Ion Ratio Lower Upper

114 100

63 23.7 0.0 46.0

88 16.4 0.0 32.6



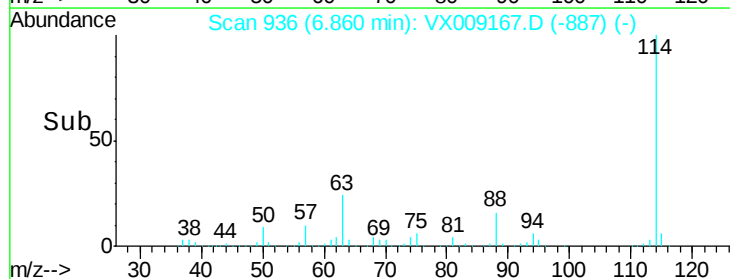
Abundance Ion 113.90 (113.60 to 114.60): V

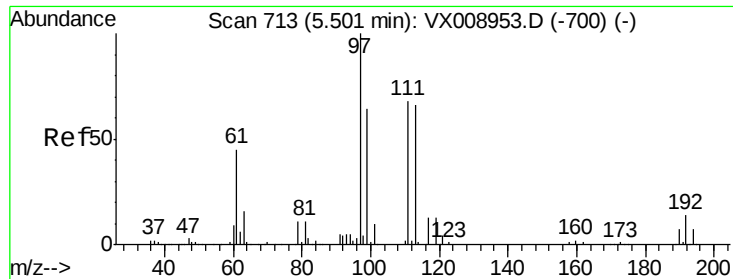
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

Time-->

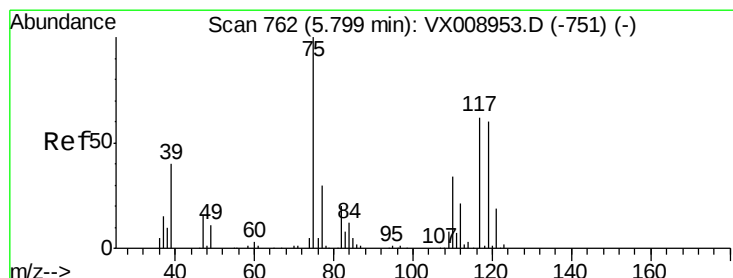
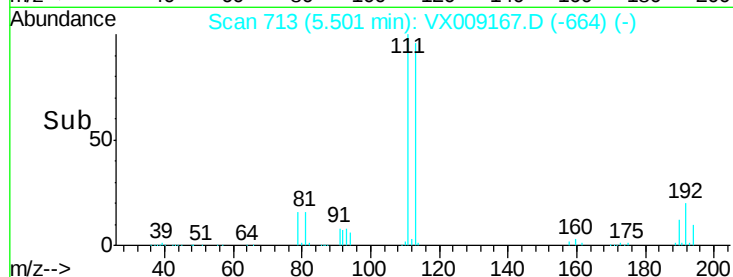
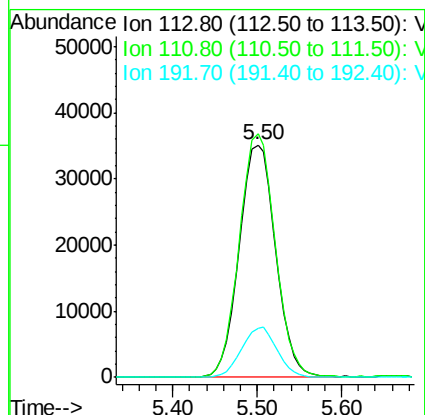
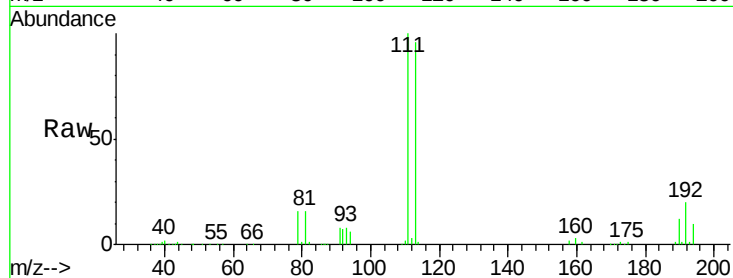




#35
 Dibromofluoromethane
 Concen: 47.844 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009167.D
 Acq: 25 Apr 2019 17:06

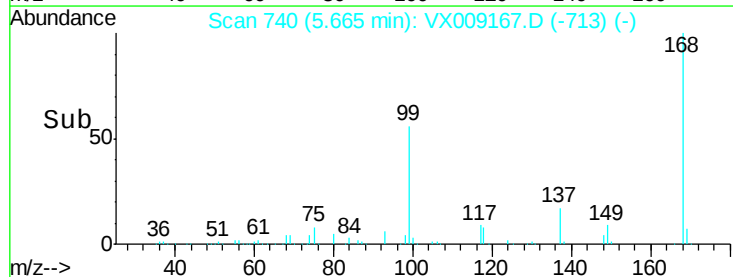
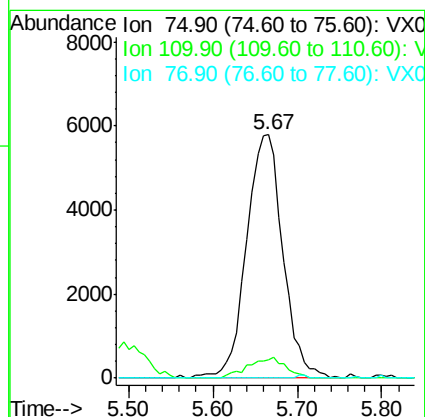
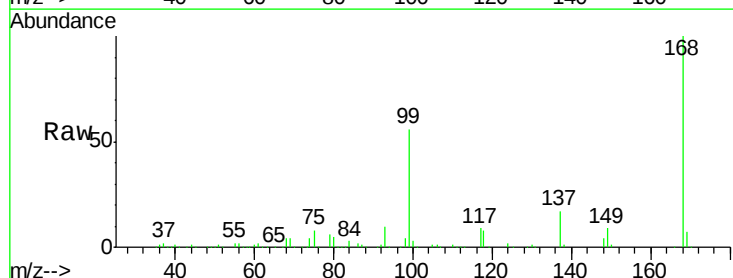
Instrument :
 MSVOA_X
 ClientSampleId :

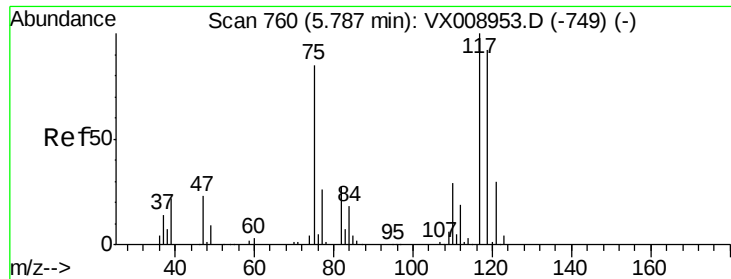
Tot Ion:113 Resp: 103092
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 20.9 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.880 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009167.D
 Acq: 25 Apr 2019 17:06

Tgt Ion: 75 Resp: 16946
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009167.D

Acq: 25 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

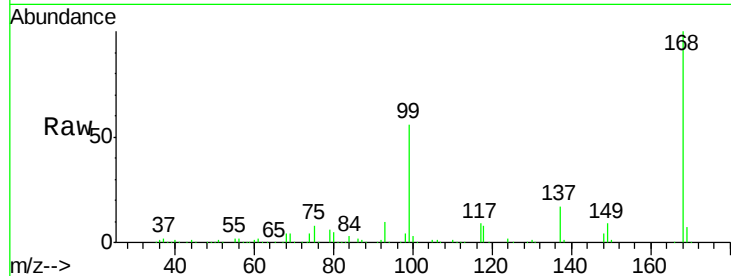
Tot Ion:117 Resp: 19467

Ion Ratio Lower Upper

117 100

119 5.4 73.8 110.8#

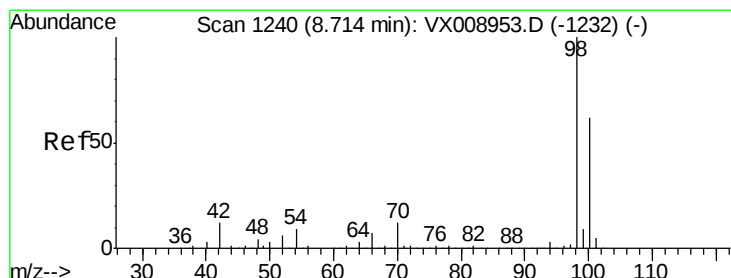
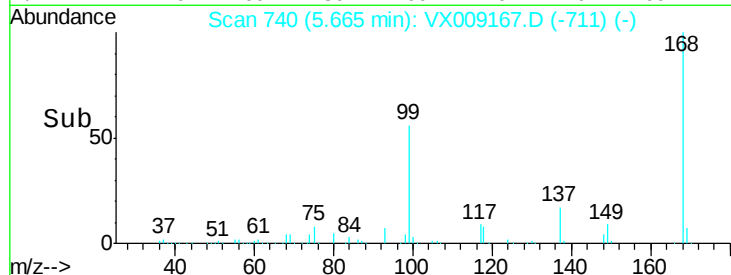
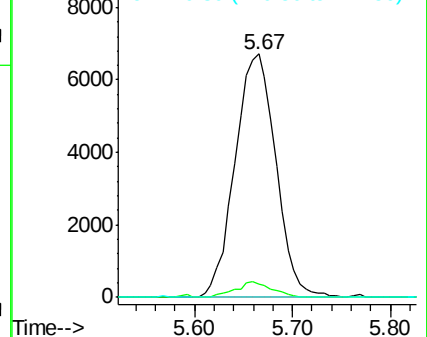
121 0.0 23.6 35.4#



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: 48.959 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009167.D

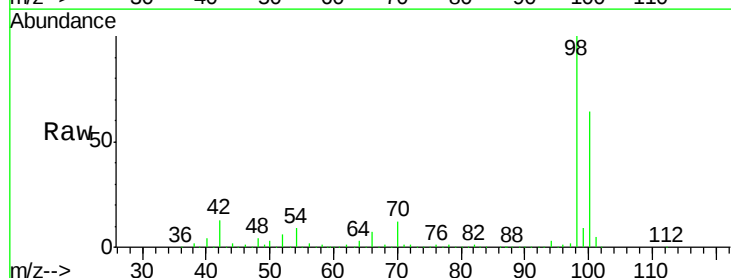
Acq: 25 Apr 2019 17:06

Tgt Ion: 98 Resp: 420719

Ion Ratio Lower Upper

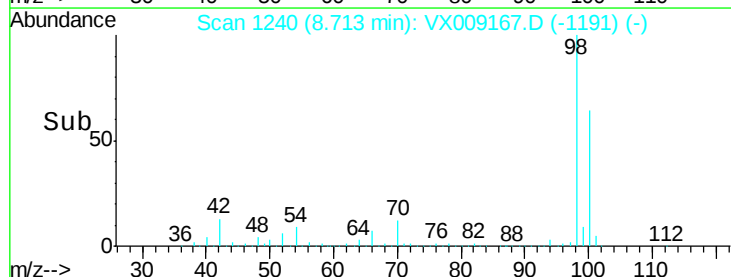
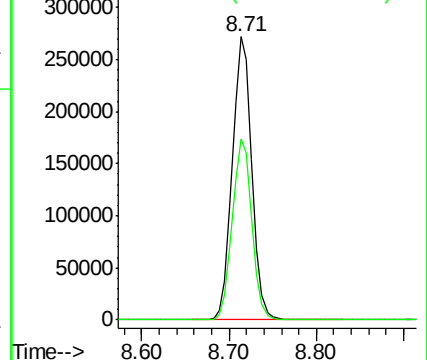
98 100

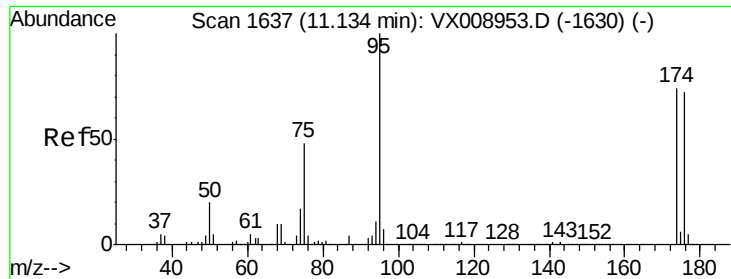
100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

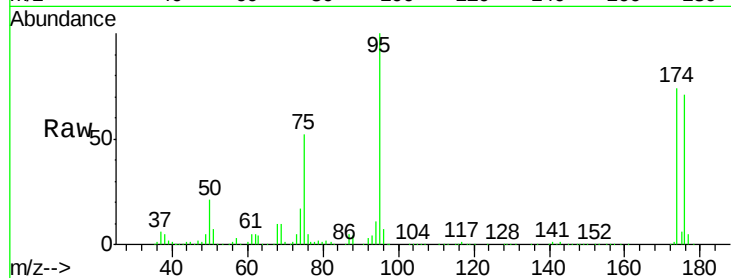




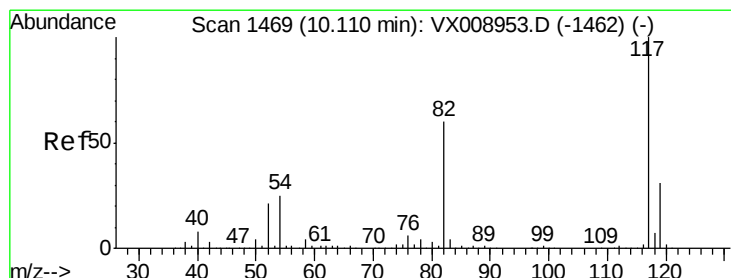
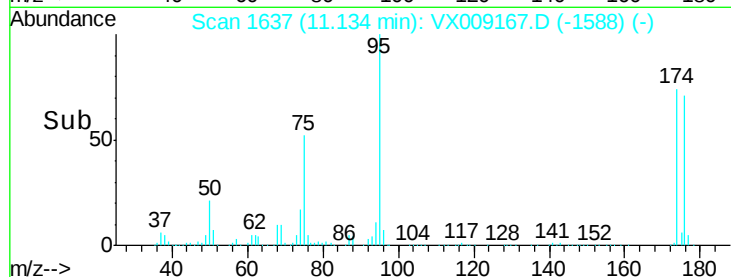
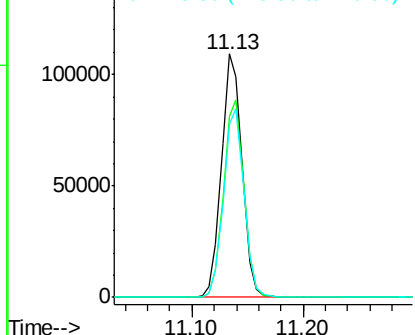
#62
4-Bromofluorobenzene
Concen: 45.883 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009167.D
Acq: 25 Apr 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 139184
Ion Ratio Lower Upper
95 100
174 80.9 0.0 159.6
176 77.3 0.0 154.8

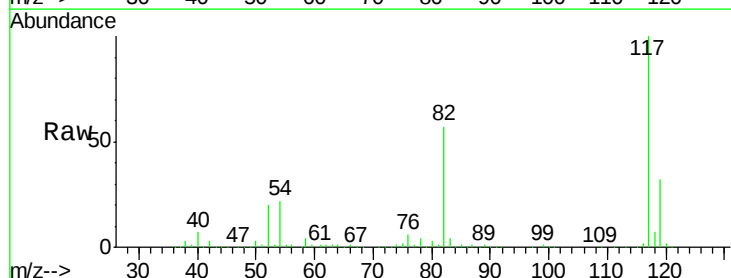


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

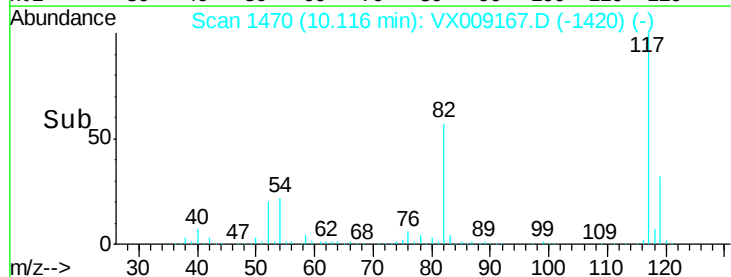
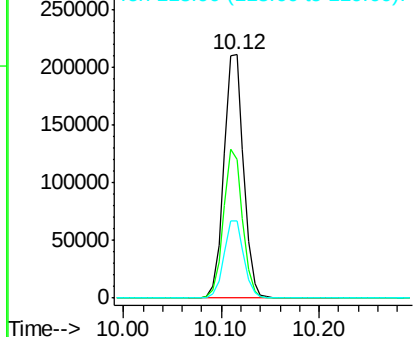


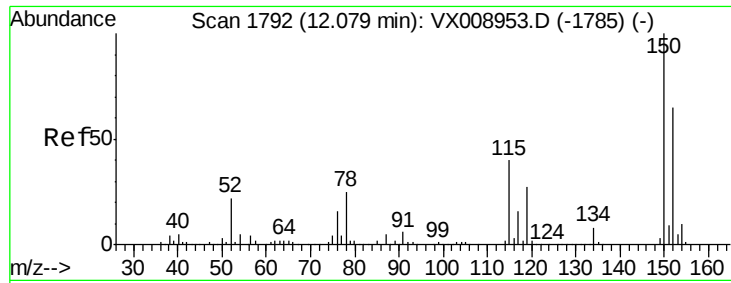
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009167.D
Acq: 25 Apr 2019 17:06

Tgt Ion: 117 Resp: 293593
Ion Ratio Lower Upper
117 100
82 57.1 48.2 72.4
119 31.9 25.0 37.6



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: VX009167.D

Acq: 25 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

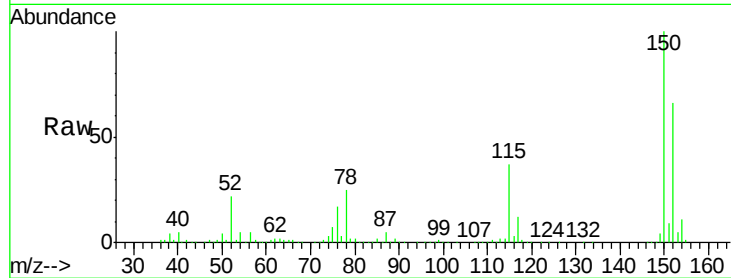
Tot Ion:152 Resp: 124429

Ion Ratio Lower Upper

152 100

115 58.8 41.4 124.2

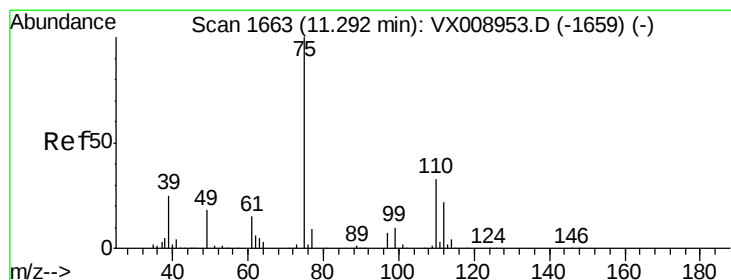
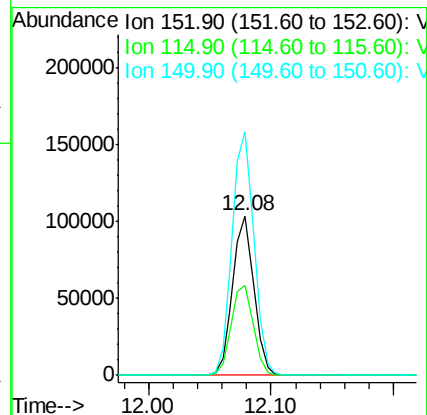
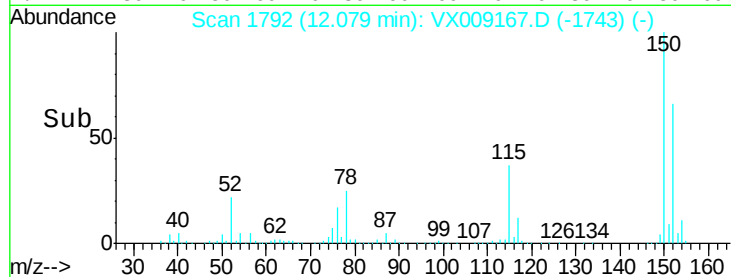
150 157.0 0.0 349.8



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: 23.343 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009167.D

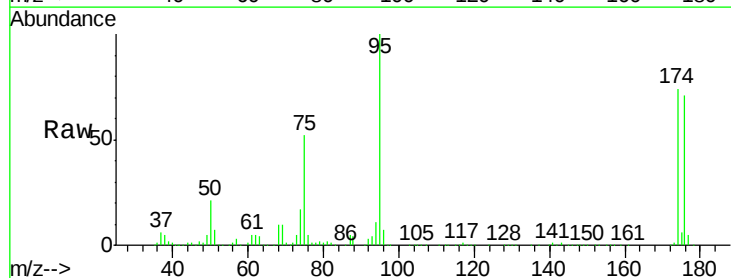
Acq: 25 Apr 2019 17:06

Tgt Ion: 75 Resp: 70924

Ion Ratio Lower Upper

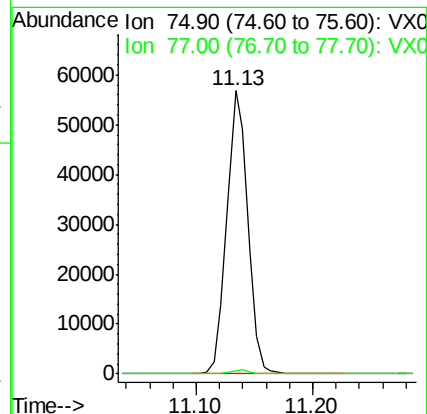
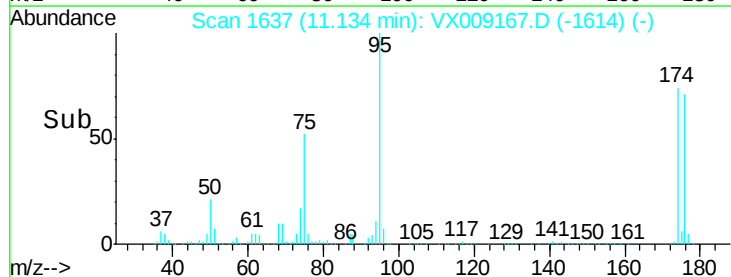
75 100

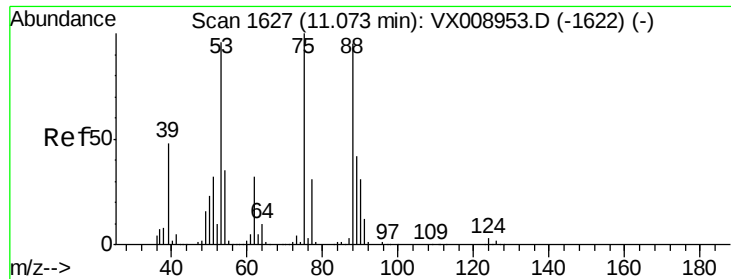
77 1.4 22.7 68.0#



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: 59.929 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009167.D

Acq: 25 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

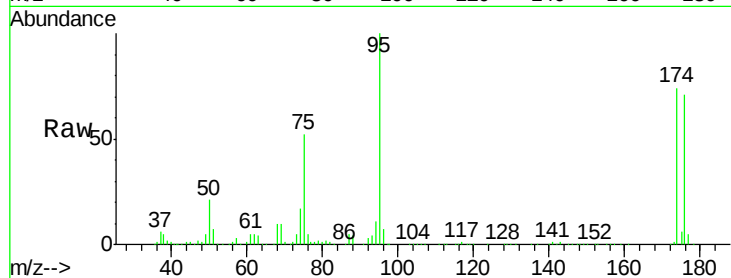
Tot Ion: 75 Resp: 70924

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

