

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000578.D
 Acq On : 30 Mar 2018 23:03
 Operator : JC/MD
 Sample : J2131-09 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT0613

Quant Time: Mar 31 05:06:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	126058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	215597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	215271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	115585	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	87185	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	5.51	113	67242	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	8.73	98	272738	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.15	95	97441	42.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.20%	

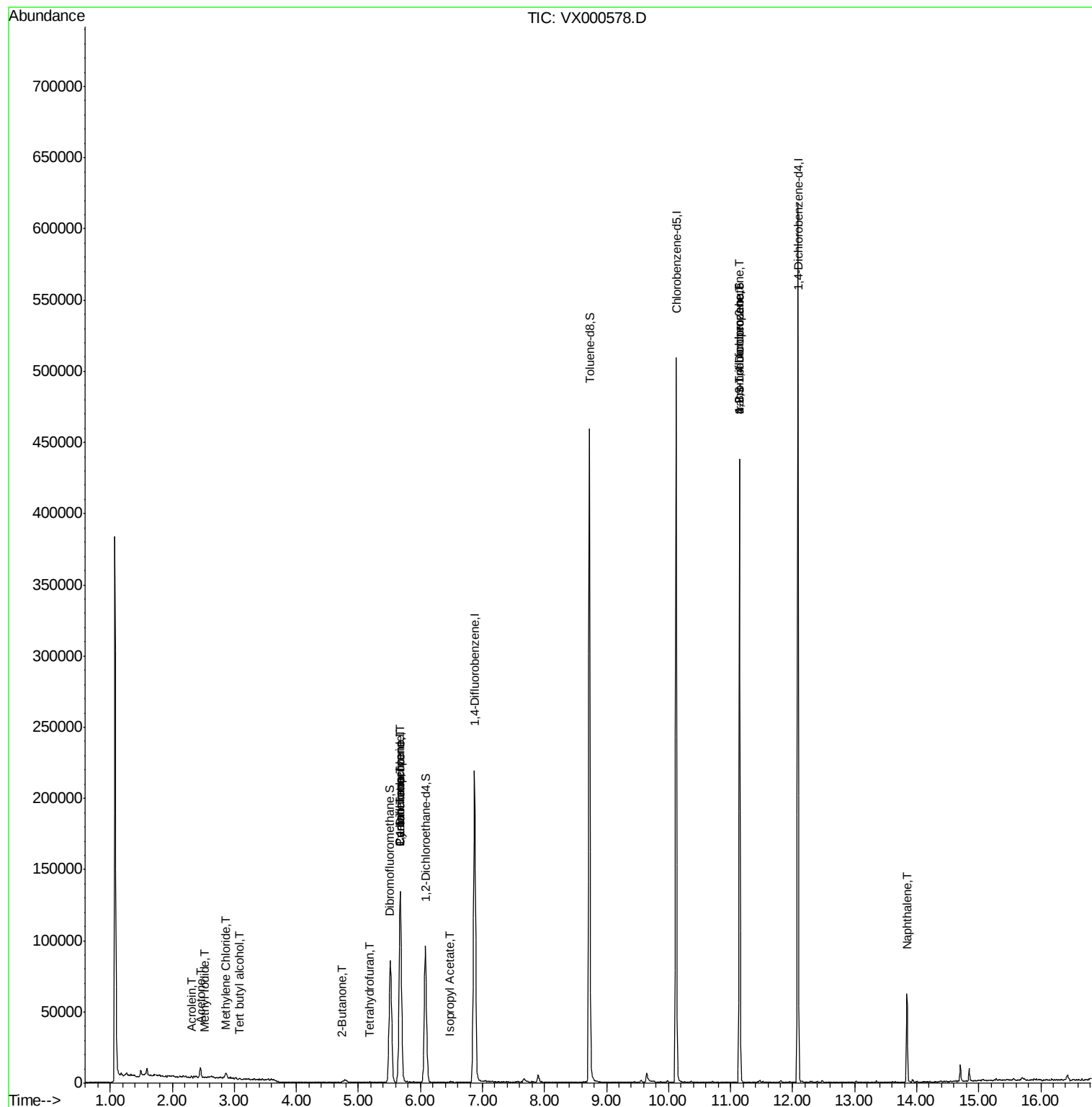
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	469	Below Cal	#	44
10) Methyl Iodide	2.52	142	78	4.32	ug/l #	10
11) Tert butyl alcohol	3.09	59	160	0.28	ug/l #	72
13) Acrolein	2.30	56	124	15.22	ug/l #	64
16) Acetone	2.45	43	7553	5.52	ug/l	98
20) Methylene Chloride	2.86	84	1893	1.20	ug/l #	64
25) 2-Butanone	4.73	43	863	0.56	ug/l	90
29) Tetrahydrofuran	5.19	42	331	0.35	ug/l #	35
31) Cyclohexane	5.67	56	3141	1.51	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	9864	4.88	ug/l #	51
38) Carbon Tetrachloride	5.67	117	12206	5.76	ug/l #	14
43) Isopropyl Acetate	6.48	43	989	0.24	ug/l #	82
74) N-amyl acetate	6.48	43	989	Below Cal	#	95
76) 1,2,3-Trichloropropane	11.15	75	57440	23.12	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	57440	74.86	ug/l #	9
95) Naphthalene	13.84	128	37313	3.95	ug/l	99

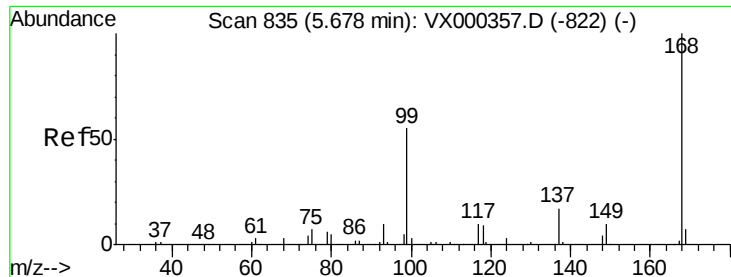
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

Instrument :

MSVOA_X

ClientSampled :

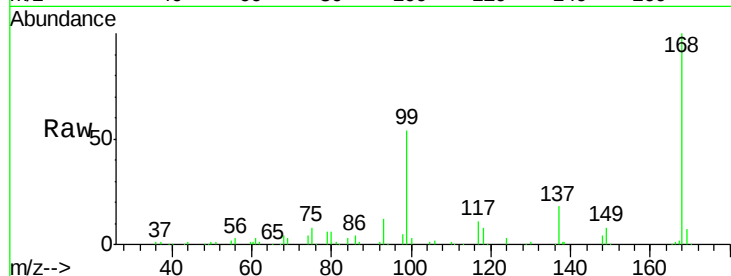
RT0613

Tgt Ion:168 Resp: 126058

Ion Ratio Lower Upper

168 100

99 54.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

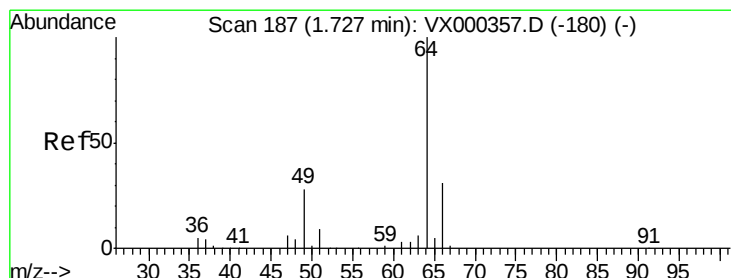
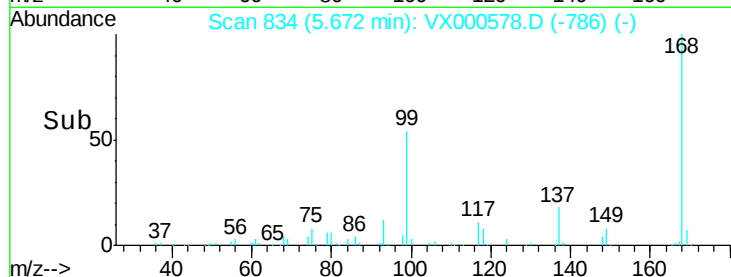
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000578.D

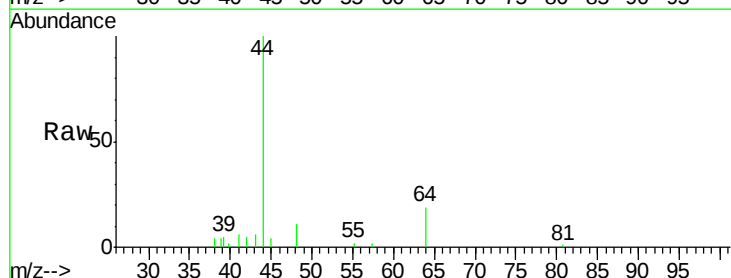
Acq: 30 Mar 2018 23:03

Tgt Ion: 64 Resp: 469

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

800

600

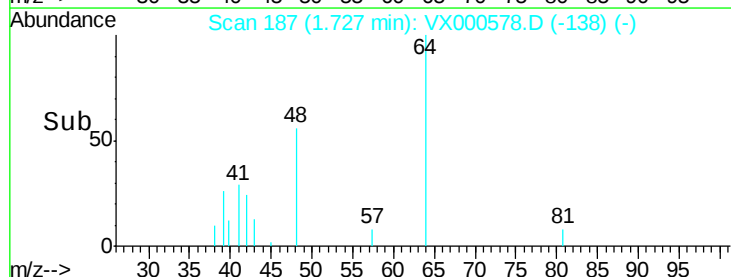
400

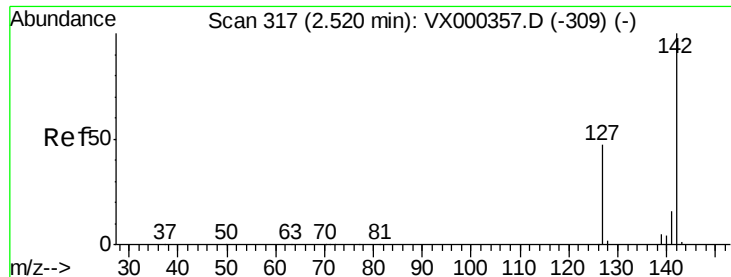
200

0

Time-->

1.70 1.72 1.74 1.76 1.78

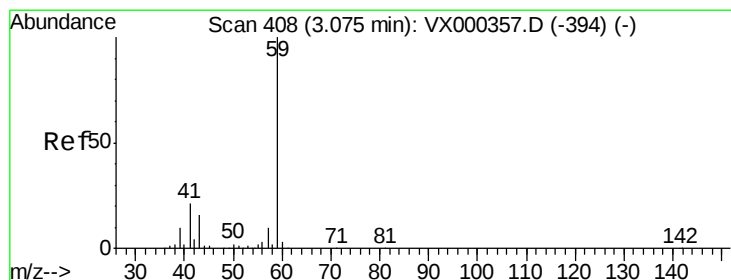
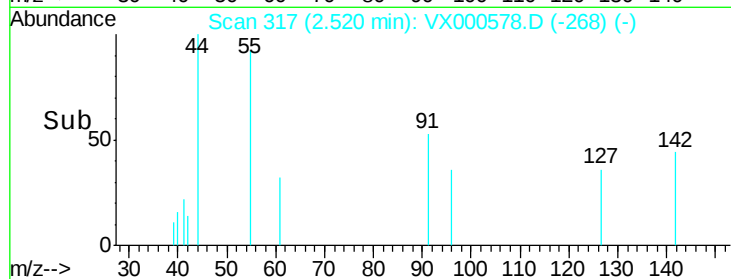
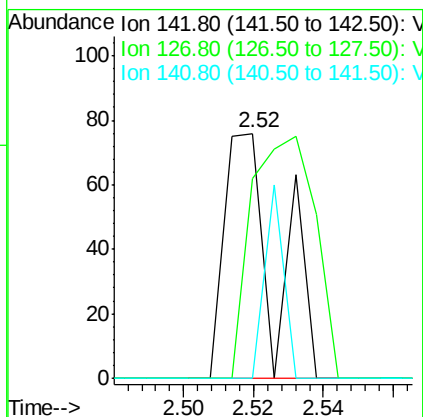
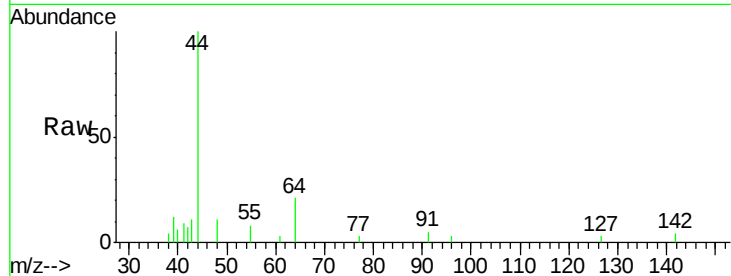




#10
Methyl Iodide
Concen: 4.32 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

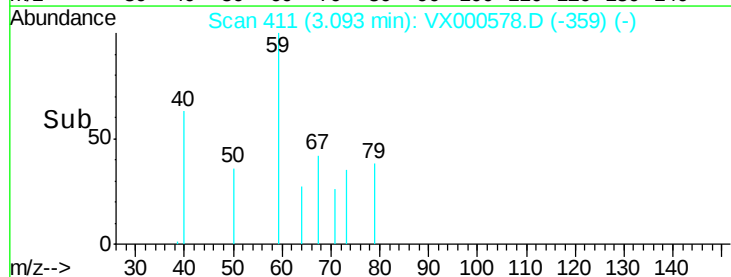
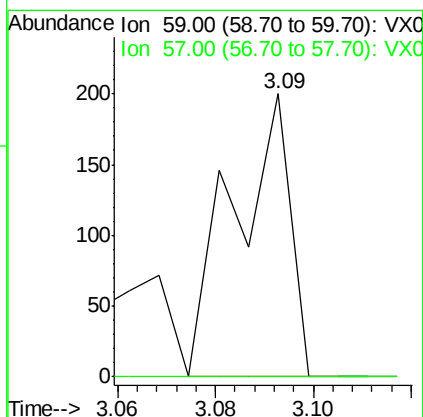
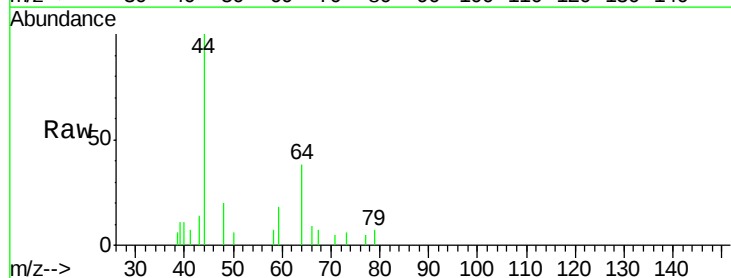
Instrument :
MSVOA_X
ClientSampled :
RT0613

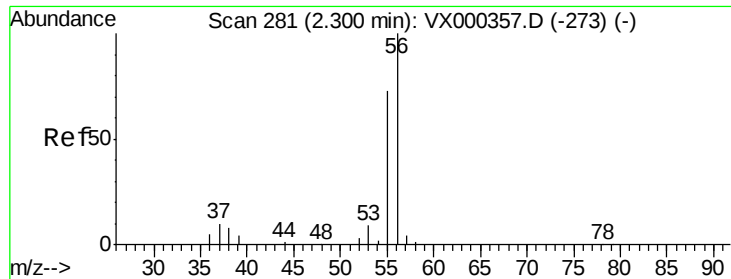
Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 121.8 39.2 58.8#
141 28.2 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

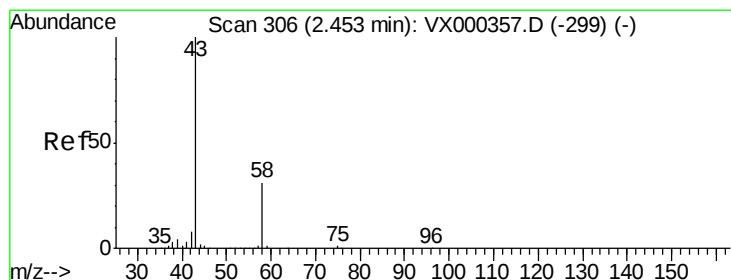
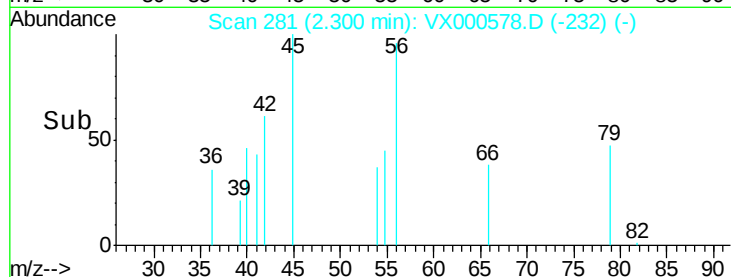
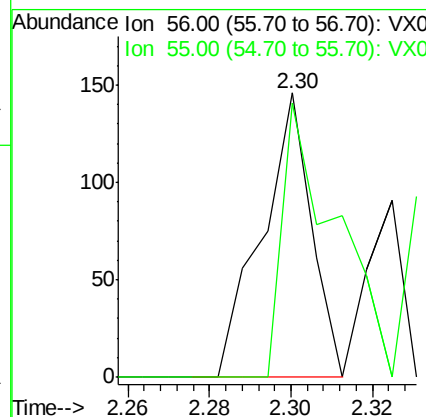
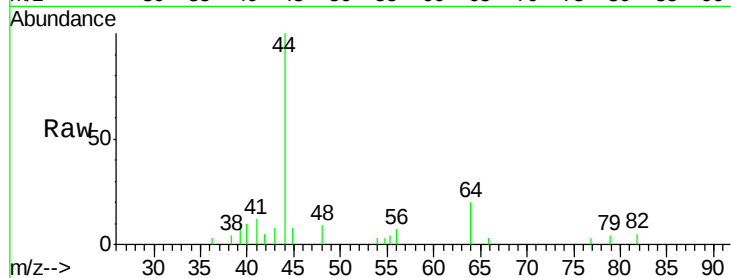




#13
Acrolein
Concen: 15.22 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

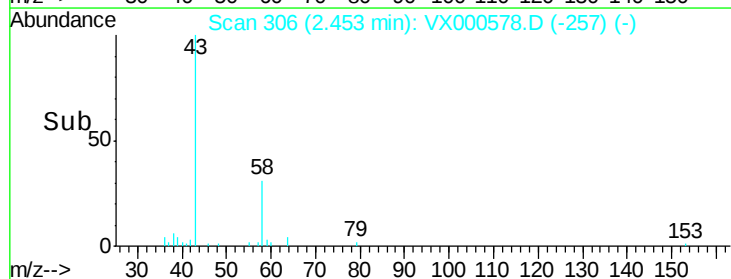
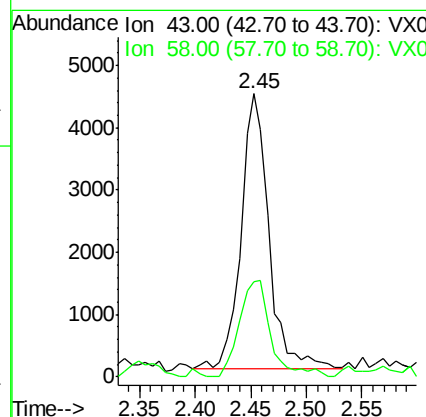
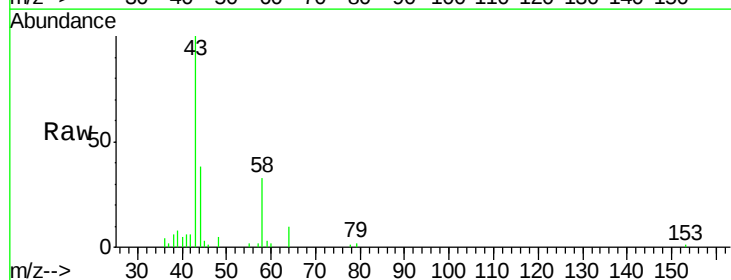
Instrument :
MSVOA_X
ClientSampleId :
RT0613

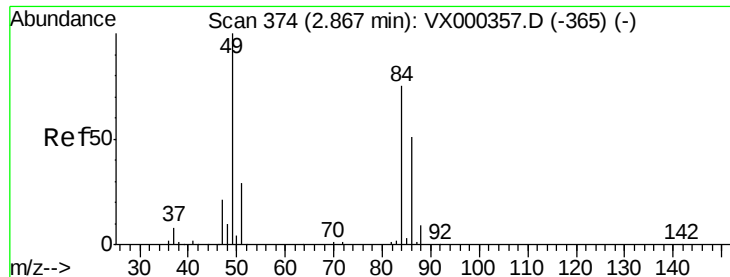
Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 104.0 58.8 88.2#



#16
Acetone
Concen: 5.52 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

Tgt Ion: 43 Resp: 7553
Ion Ratio Lower Upper
43 100
58 32.0 24.7 37.1

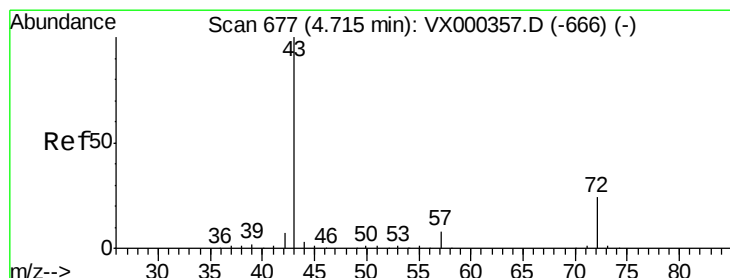
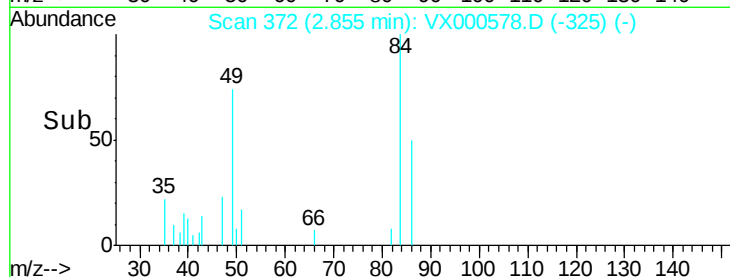
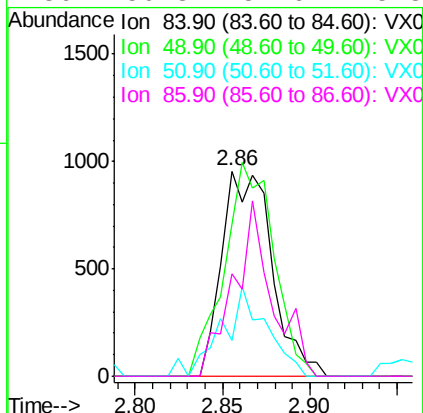
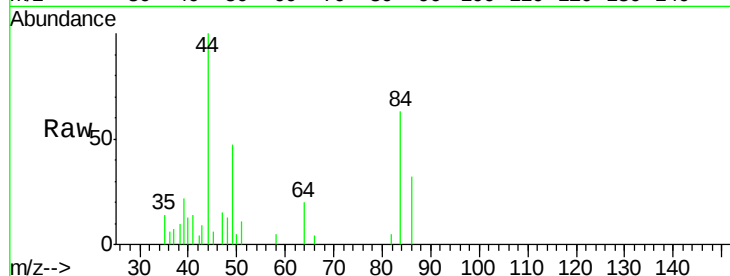




#20
Methylene Chloride
Concen: 1.20 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

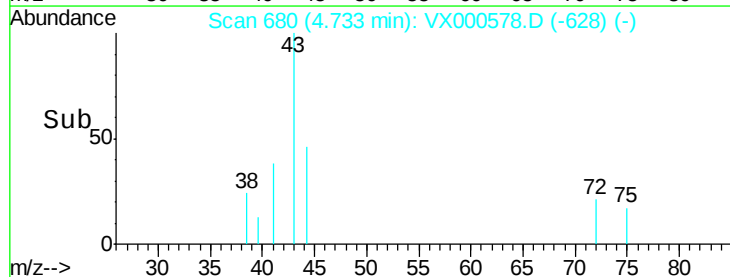
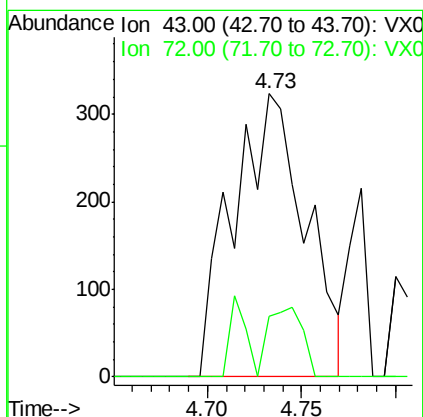
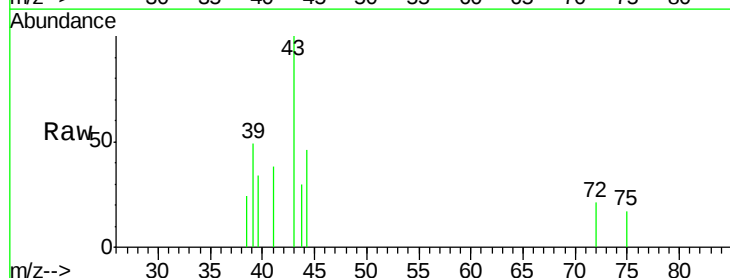
Instrument :
MSVOA_X
ClientSampled :
RT0613

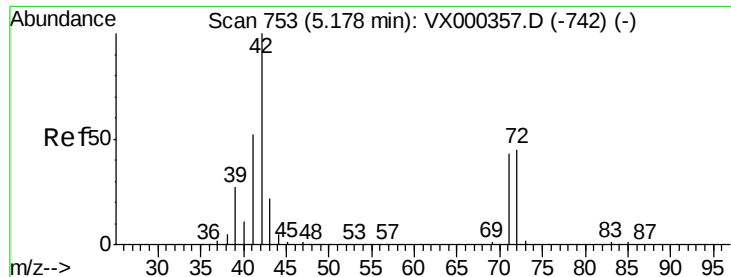
Tgt Ion: 84 Resp: 1893
Ion Ratio Lower Upper
84 100
49 74.2 100.6 151.0#
51 17.4 31.6 47.4#
86 50.3 52.6 78.8#



#25
2-Butanone
Concen: 0.56 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
72 21.4 21.0 31.6





#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

Instrument :

MSVOA_X

ClientSampled :

RT0613

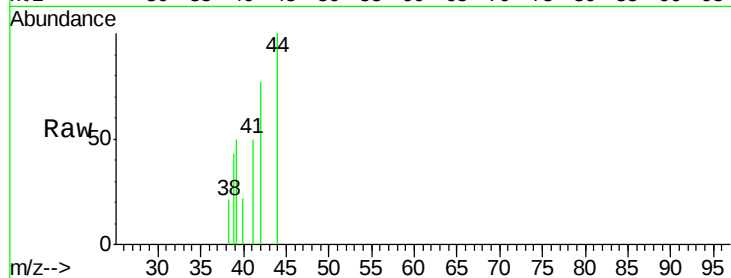
Tgt Ion: 42 Resp: 331

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

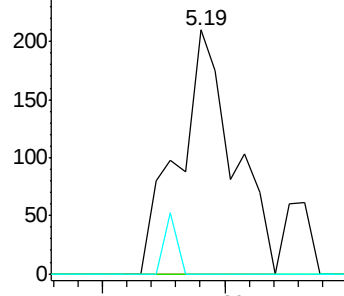
71 5.7 34.4 51.6#



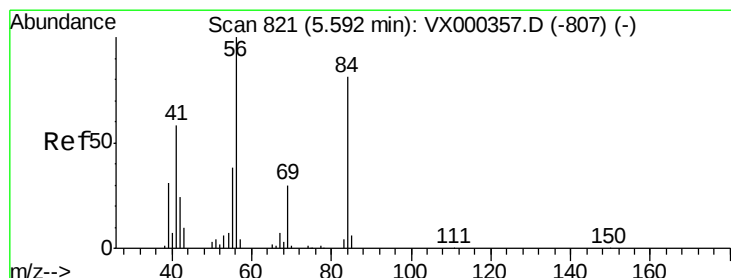
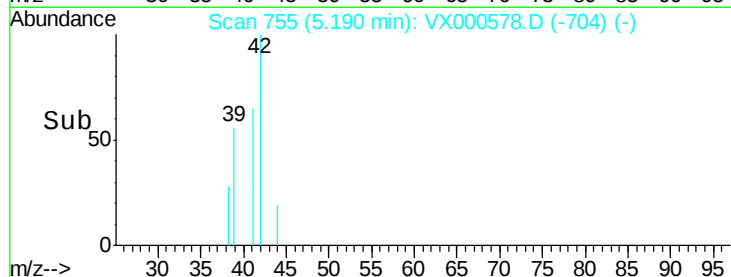
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.51 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

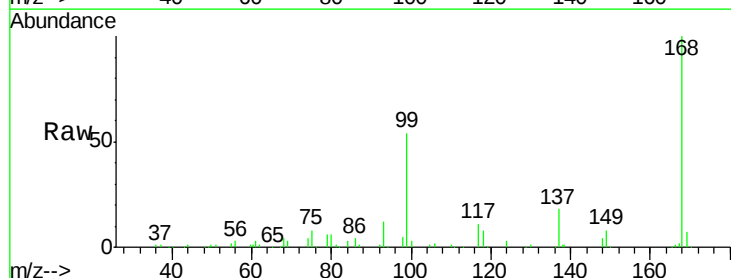
Tgt Ion: 56 Resp: 3141

Ion Ratio Lower Upper

56 100

69 108.5 23.4 35.0#

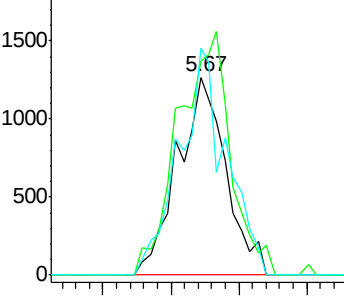
84 114.8 71.0 106.4#



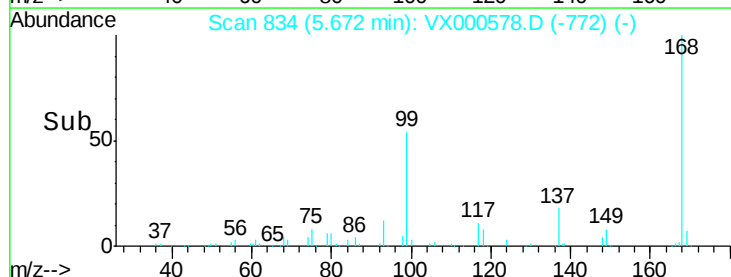
Abundance Ion 56.00 (55.70 to 56.70): VX0

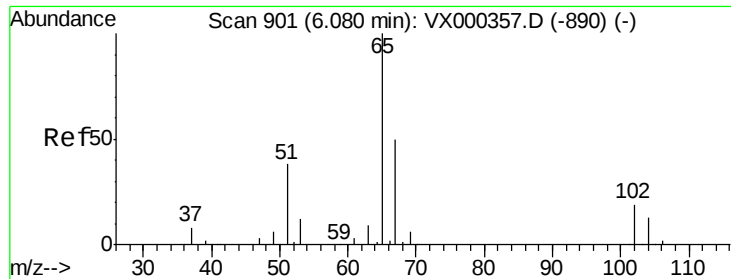
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.98 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

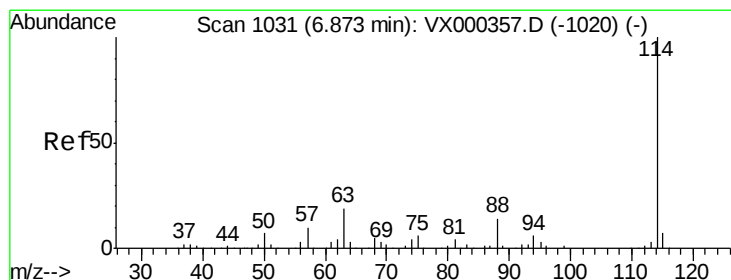
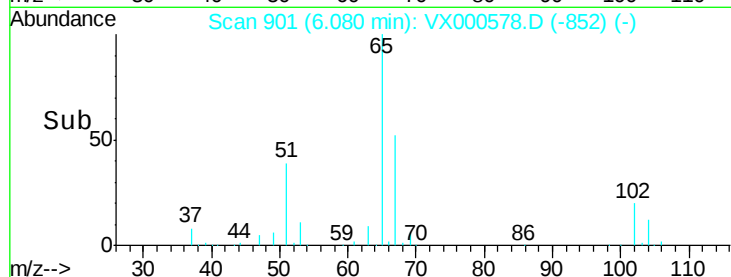
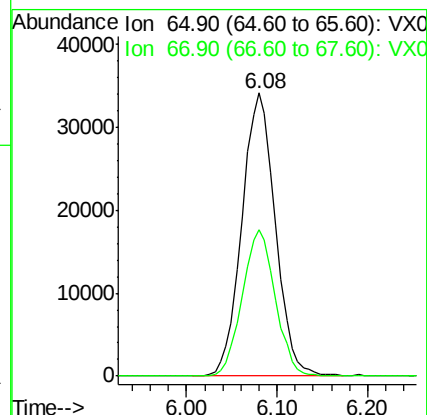
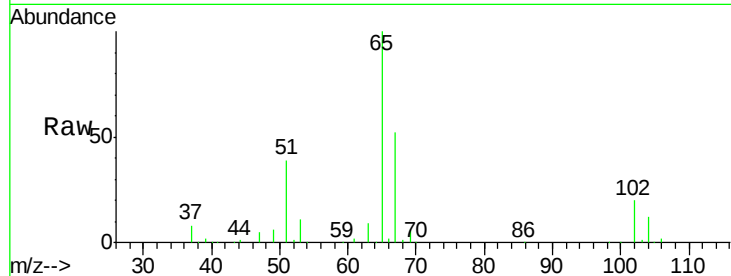
RT0613

Tgt Ion: 65 Resp: 87185

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

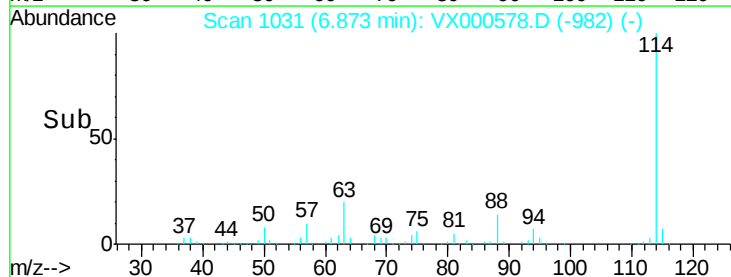
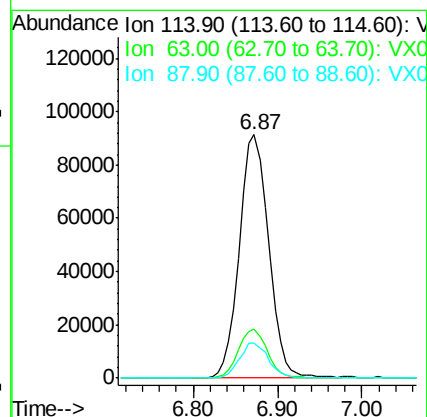
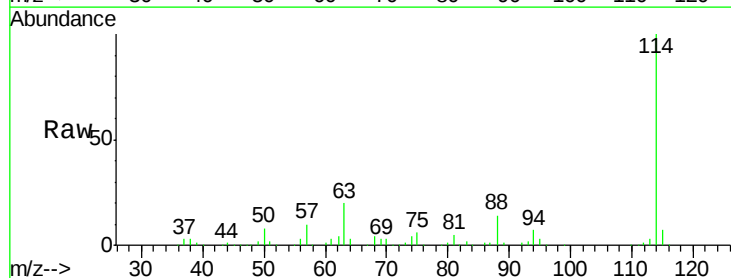
Tgt Ion: 114 Resp: 215597

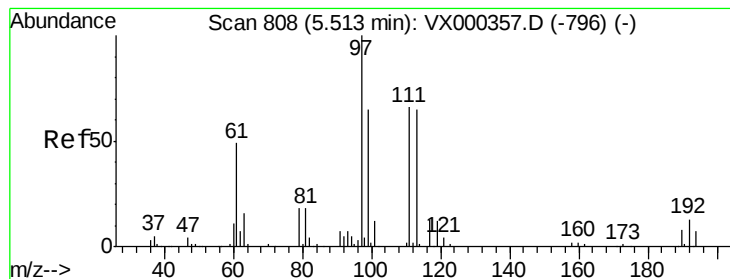
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 14.3 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.50 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

RT0613

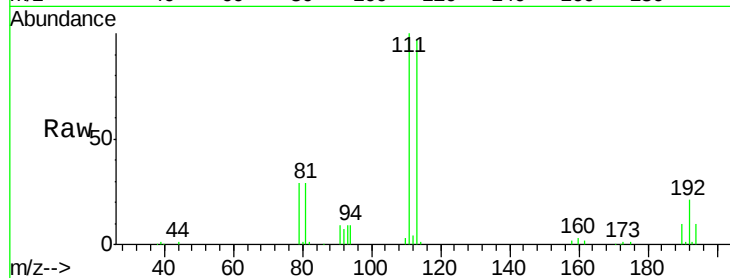
Tgt Ion:113 Resp: 67242

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

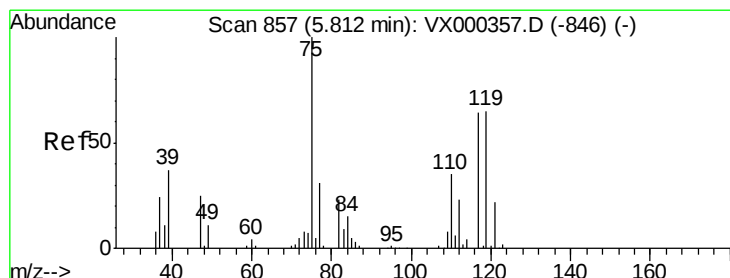
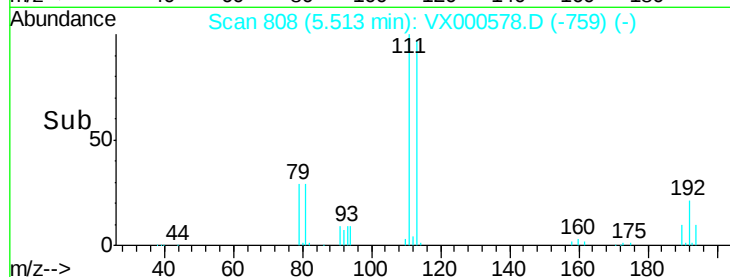
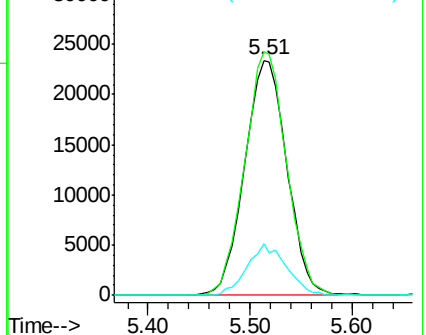
192 20.3 15.8 23.6



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: 4.88 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

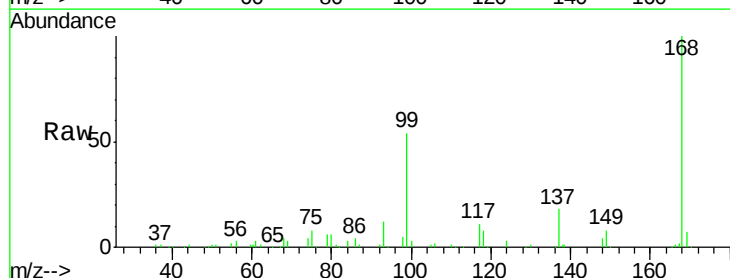
Tgt Ion: 75 Resp: 9864

Ion Ratio Lower Upper

75 100

110 9.8 17.9 53.7#

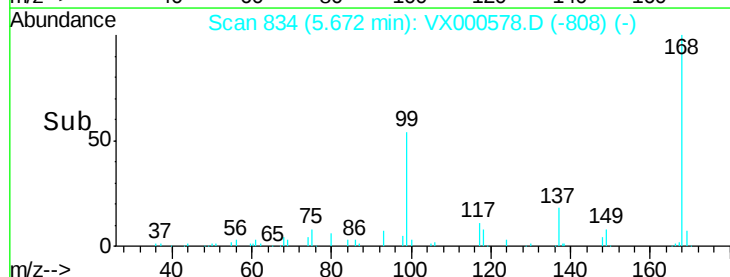
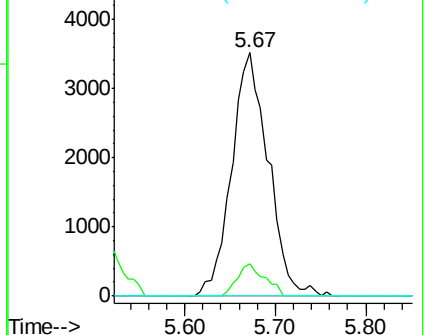
77 0.0 24.0 36.0#

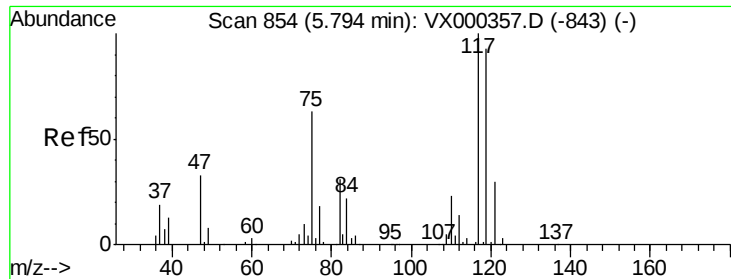


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

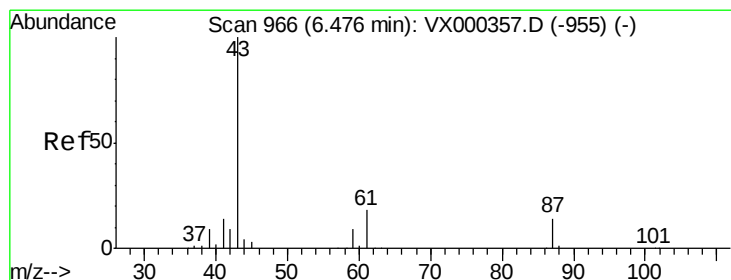
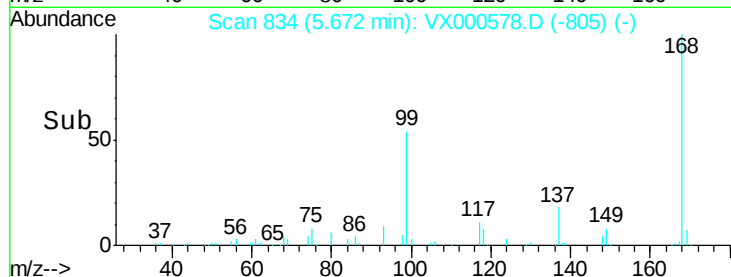
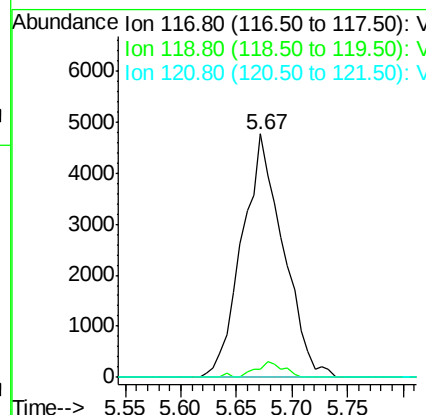
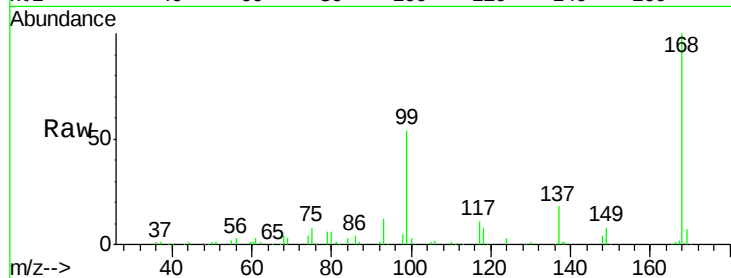




#38
Carbon Tetrachloride
Concen: 5.76 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

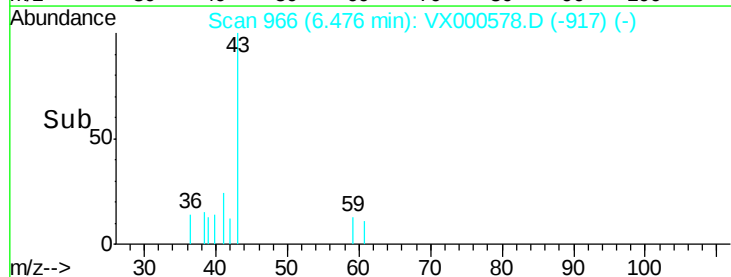
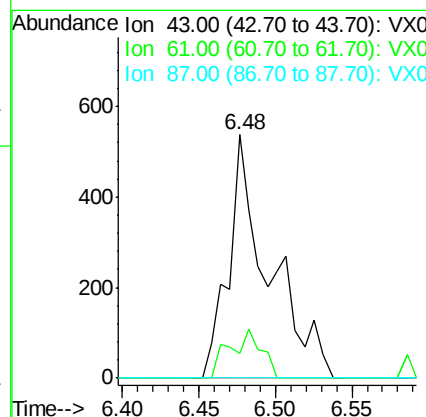
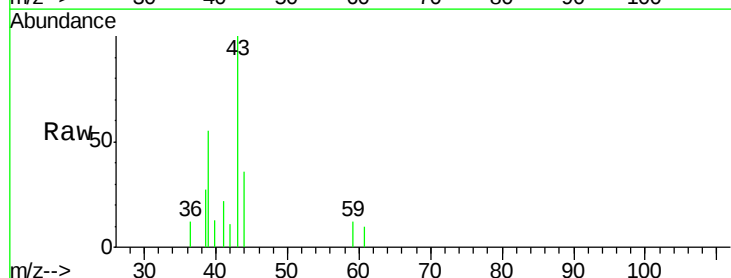
Instrument :
MSVOA_X
ClientSampled :
RT0613

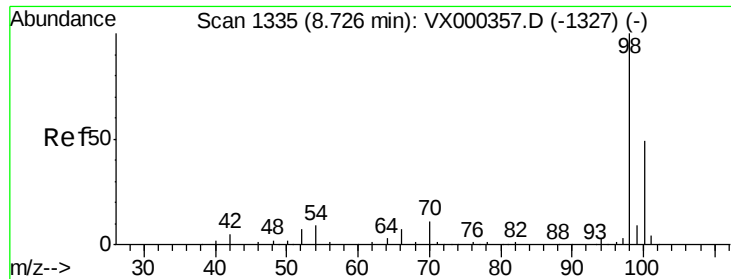
Tgt Ion: 117 Resp: 12206
Ion Ratio Lower Upper
117 100
119 3.2 77.4 116.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 0.24 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
61 15.8 14.4 21.6
87 0.0 11.0 16.4#

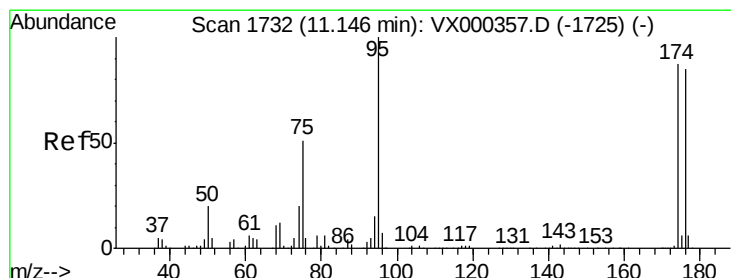
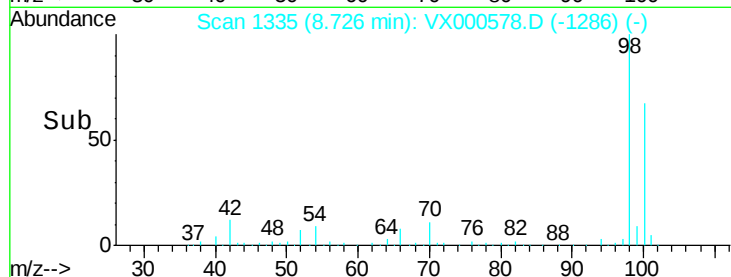
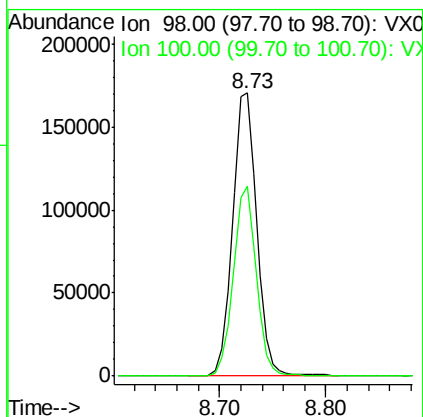
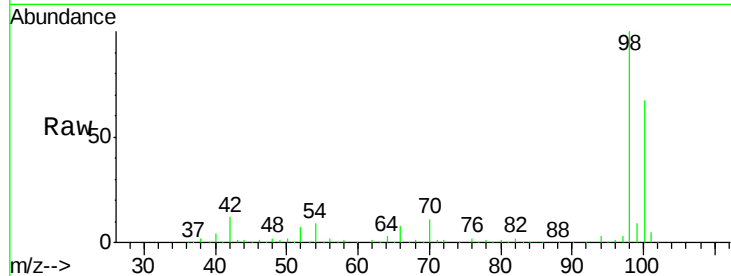




#50
Toluene-d8
Concen: 48.48 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

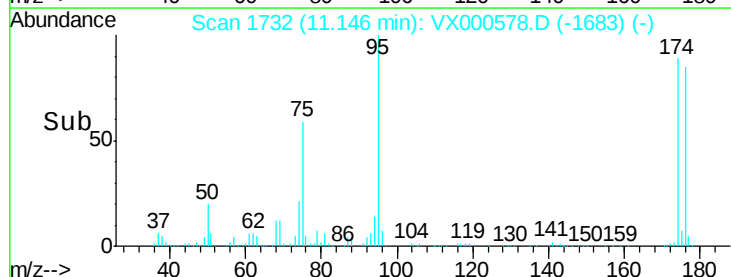
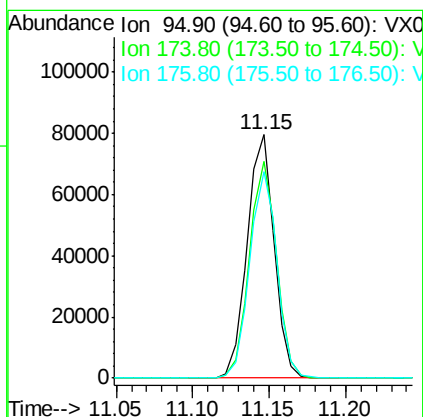
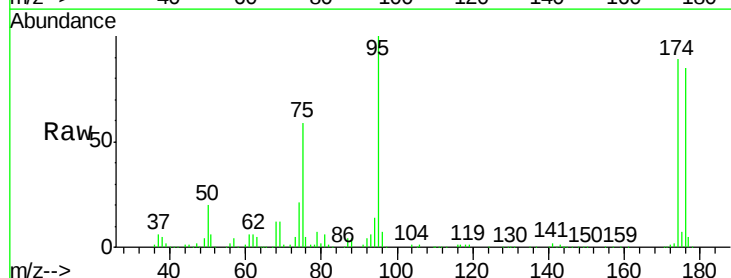
Instrument :
MSVOA_X
ClientSampleId :
RT0613

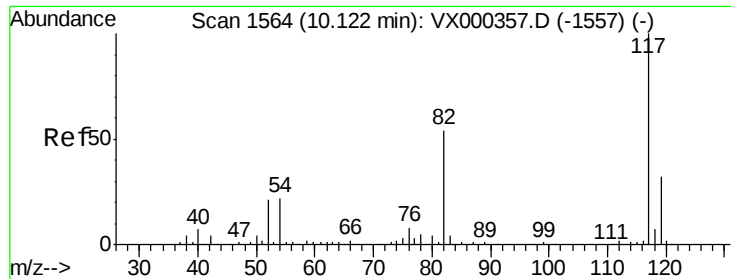
Tgt Ion: 98 Resp: 272738
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 42.10 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000578.D
Acq: 30 Mar 2018 23:03

Tgt Ion: 95 Resp: 97441
Ion Ratio Lower Upper
95 100
174 89.7 0.0 173.6
176 85.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

RT0613

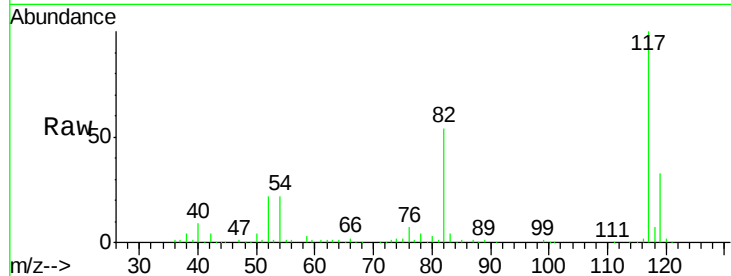
Tgt Ion:117 Resp: 215271

Ion Ratio Lower Upper

117 100

82 53.9 43.8 65.8

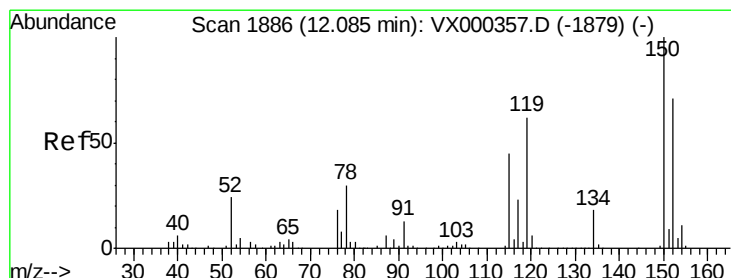
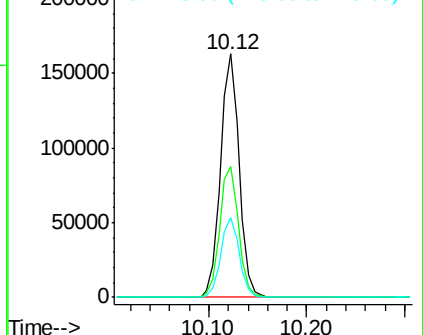
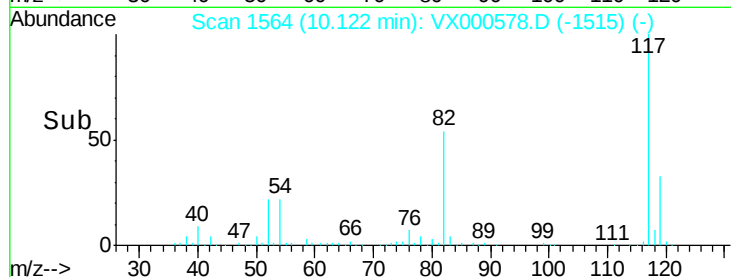
119 32.6 24.9 37.3



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

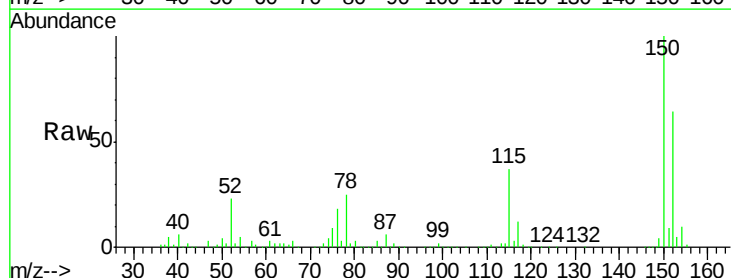
Tgt Ion:152 Resp: 115585

Ion Ratio Lower Upper

152 100

115 56.7 39.8 119.3

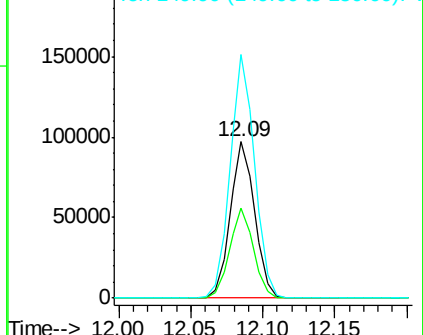
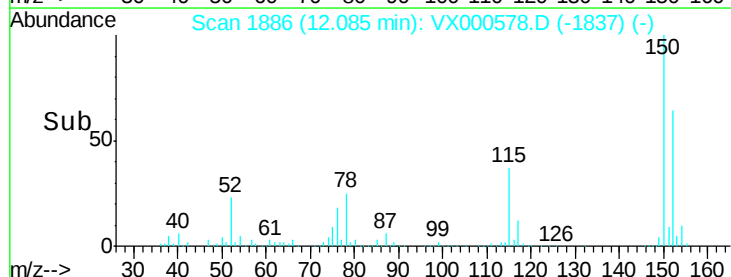
150 156.0 0.0 344.4

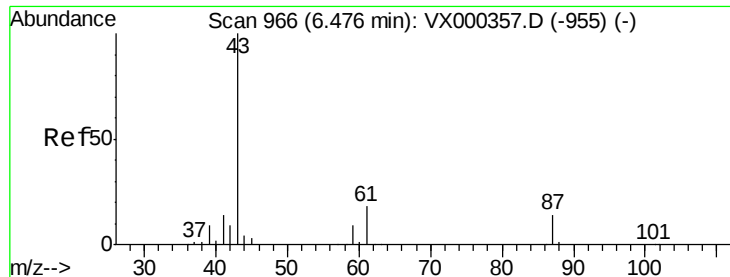


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

RT0613

Tgt Ion: 43 Resp: 989

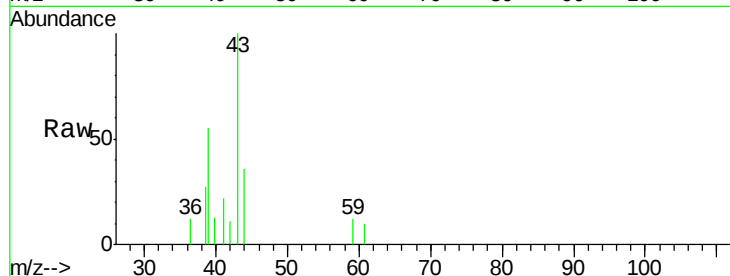
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 15.8 14.4 21.6

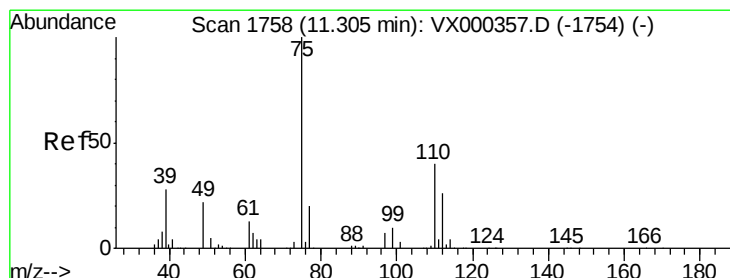
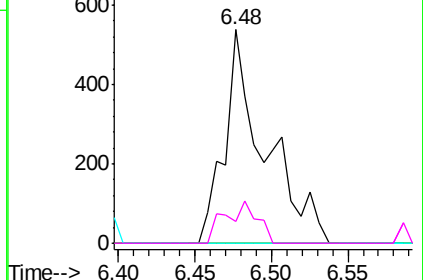
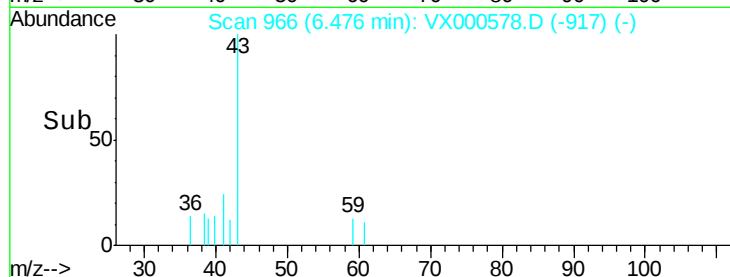


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.12 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000578.D

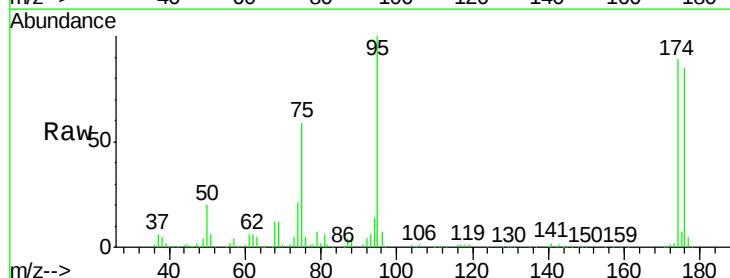
Acq: 30 Mar 2018 23:03

Tgt Ion: 75 Resp: 57440

Ion Ratio Lower Upper

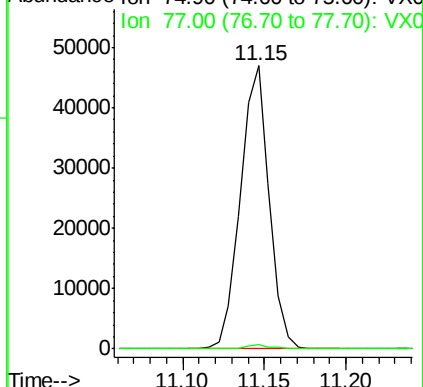
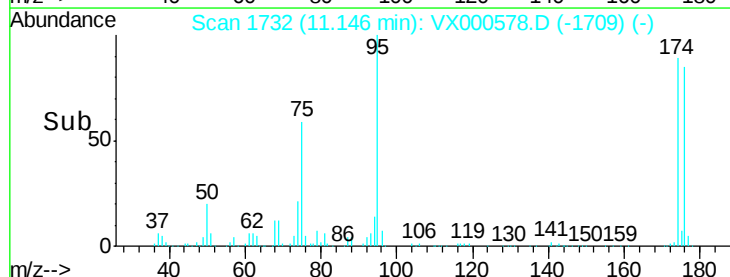
75 100

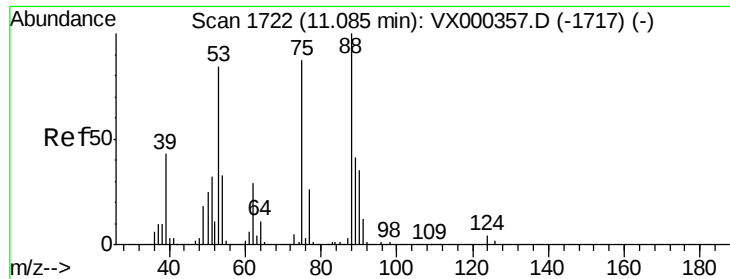
77 1.3 21.4 64.2#



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: 74.86 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

RT0613

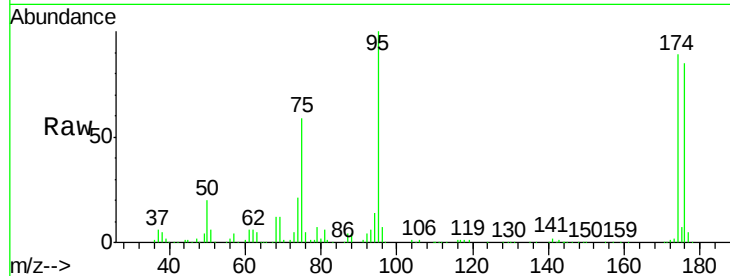
Tgt Ion: 75 Resp: 57440

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#

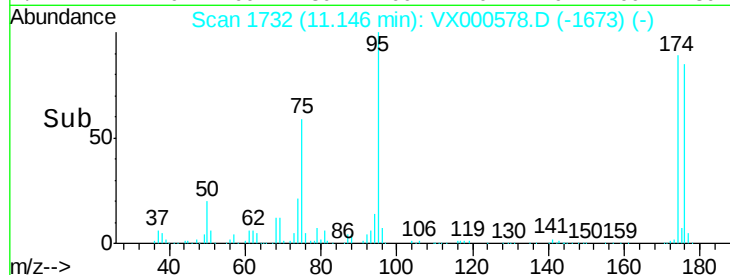


Abundance Ion 74.90 (74.60 to 75.60): VX000357.D (-1717) (-)

Ion 53.00 (52.70 to 53.70): VX000357.D (-1717) (-)

Ion 88.90 (88.60 to 89.60): VX000357.D (-1717) (-)

Time-->

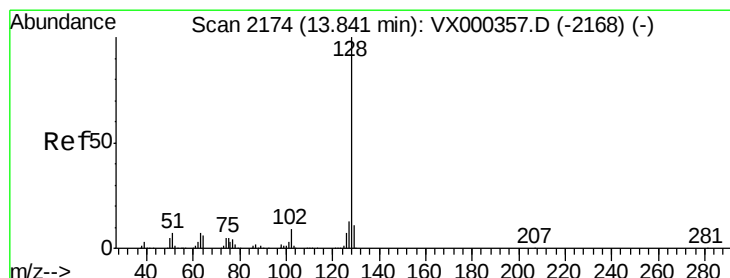


Abundance Ion 74.90 (74.60 to 75.60): VX000578.D (-1673) (-)

Ion 53.00 (52.70 to 53.70): VX000578.D (-1673) (-)

Ion 88.90 (88.60 to 89.60): VX000578.D (-1673) (-)

Time-->



#95

Naphthalene

Concen: 3.95 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000578.D

Acq: 30 Mar 2018 23:03

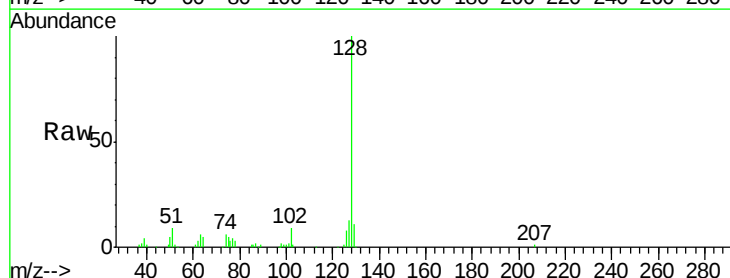
Tgt Ion: 128 Resp: 37313

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 10.3 8.9 13.3

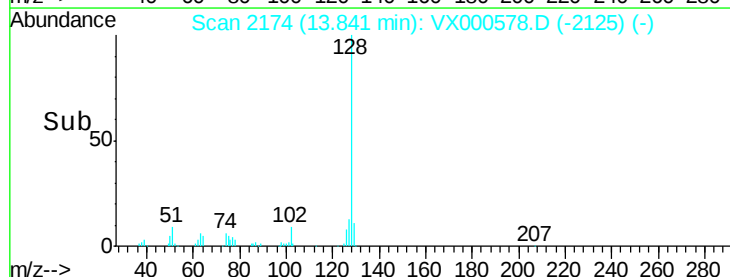


Abundance Ion 128.00 (127.70 to 128.70): VX000357.D (-2168) (-)

Ion 127.00 (126.70 to 127.70): VX000357.D (-2168) (-)

Ion 129.00 (128.70 to 129.70): VX000357.D (-2168) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VX000578.D (-2125) (-)

Ion 127.00 (126.70 to 127.70): VX000578.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VX000578.D (-2125) (-)

Time-->