

Data File : VX001555.D

Acq On : 09 May 2018 14:22

Operator : JC/MD

Sample : VX0509WBL01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBL01

Quant Time: May 10 04:13:29 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	207482	57.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.28%	
35) Dibromofluoromethane	5.51	113	164486	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
50) Toluene-d8	8.72	98	594810	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	11.14	95	193491	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

					Qvalue	
5) Bromomethane	1.65	94	1198	Below Cal		91
10) Methyl Iodide	2.51	142	2650	0.61 ug/l		98
11) Tert butyl alcohol	3.03	59	1947	2.57 ug/l #		72
13) Acrolein	2.31	56	195	Below Cal #		33
15) Acrylonitrile	3.15	53	953	0.56 ug/l #		88
16) Acetone	2.45	43	1478	0.90 ug/l		92
17) Carbon Disulfide	2.57	76	2411	0.34 ug/l #		82
25) 2-Butanone	4.72	43	585	0.25 ug/l #		49
29) Tetrahydrofuran	5.18	42	1099	0.73 ug/l #		75
31) Cyclohexane	5.66	56	4241	0.92 ug/l #		16
36) 1,1-Dichloropropene	5.67	75	15795	3.65 ug/l #		49
38) Carbon Tetrachloride	5.67	117	21633	4.69 ug/l #		16
54) cis-1,3-Dichloropropene	9.05	75	321	2.33 ug/l #		59
76) 1,2,3-Trichloropropane	11.14	75	97011	29.30 ug/l #		38
81) trans-1,4-Dichloro-2-buten	11.14	75	97011	89.68 ug/l #		7
93) 1,2,4-Trichlorobenzene	13.65	180	1018	0.23 ug/l		93
96) 1,2,3-Trichlorobenzene	14.03	180	1029	0.23 ug/l		99

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

Data File : VX001555.D

Acq On : 09 May 2018 14:22

Operator : JC/MD

Sample : VX0509WBL01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBL01

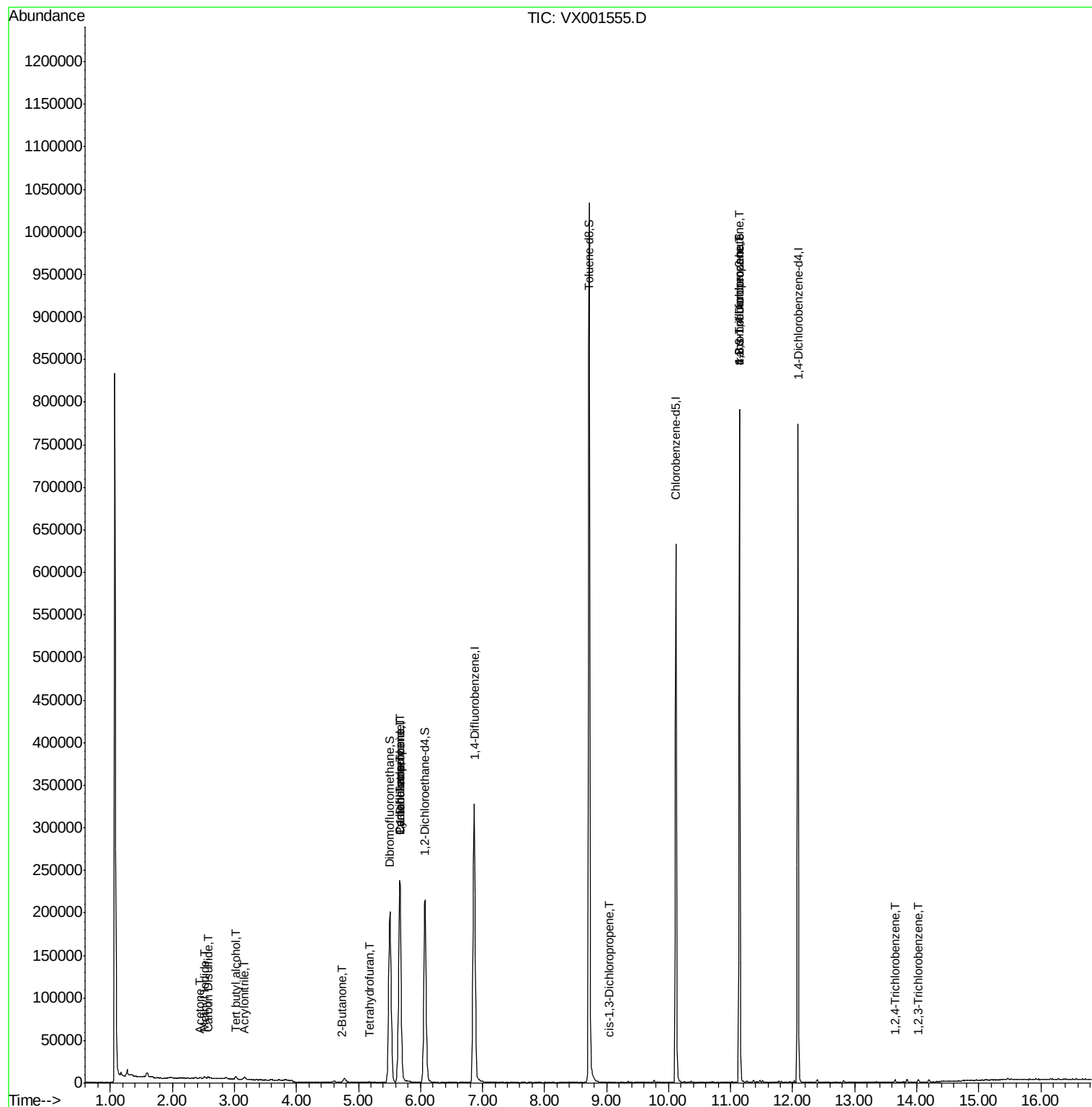
Quant Time: May 10 04:13:29 2018

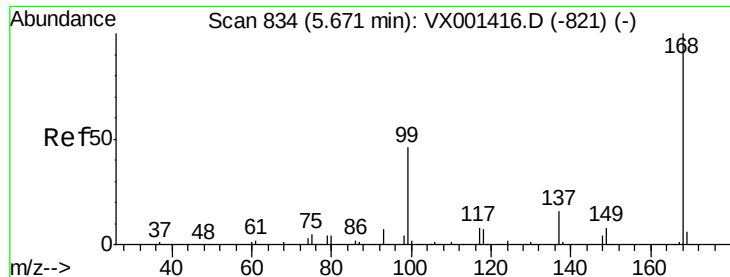
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampled :

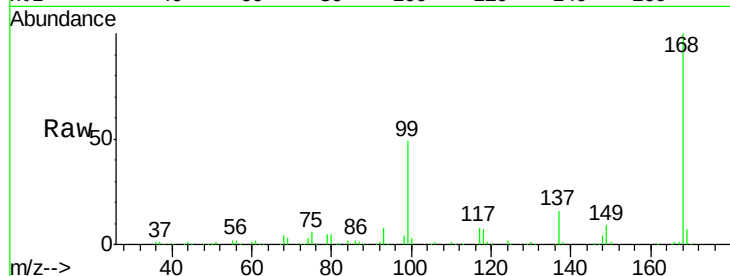
VX0509WBL01

Tgt Ion:168 Resp: 250433

Ion Ratio Lower Upper

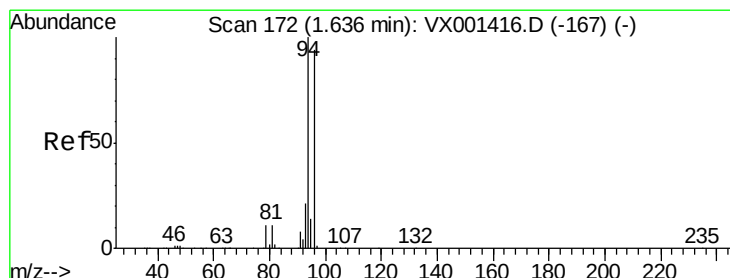
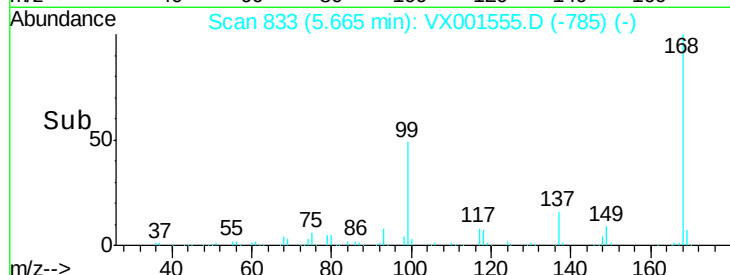
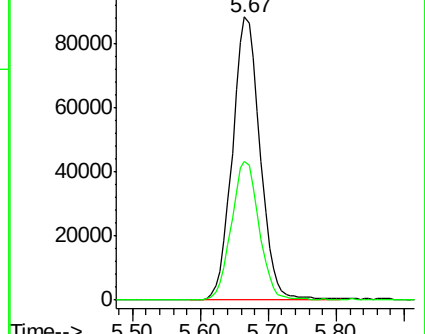
168 100

99 49.0 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001555.D

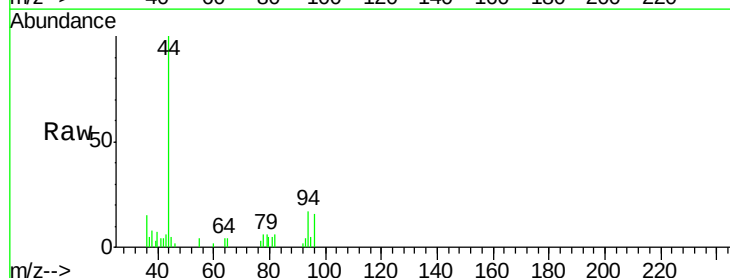
Acq: 09 May 2018 14:22

Tgt Ion: 94 Resp: 1198

Ion Ratio Lower Upper

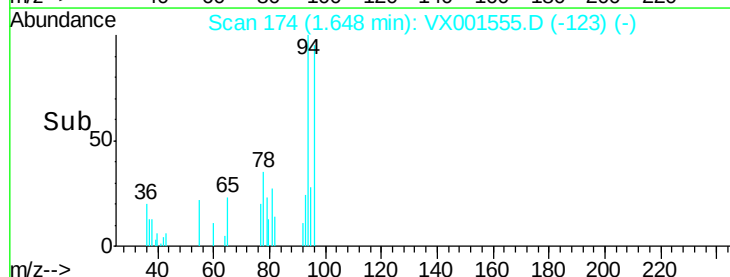
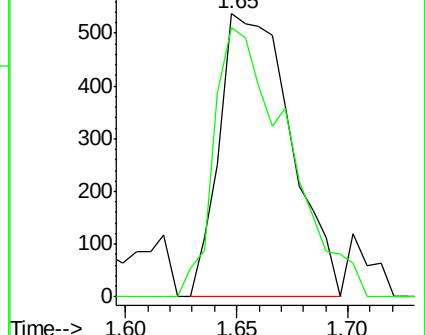
94 100

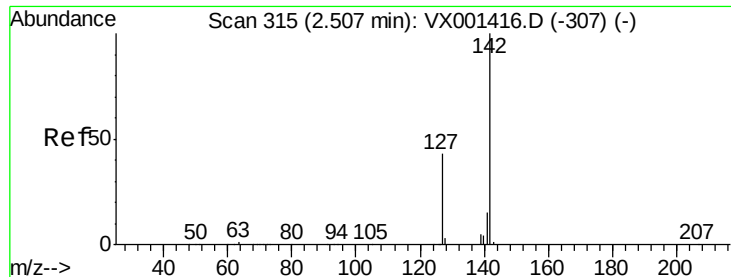
96 84.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

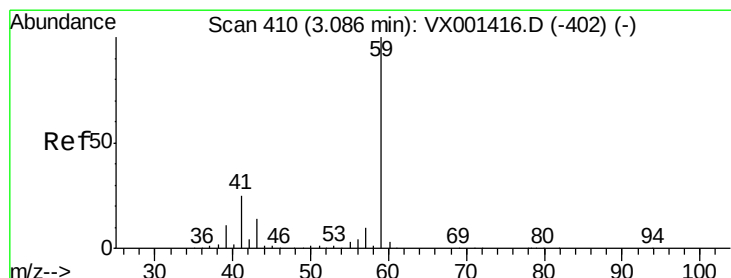
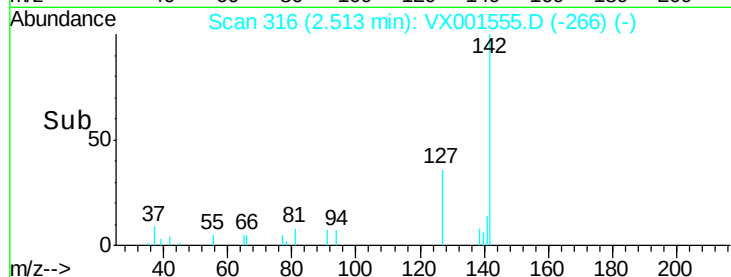
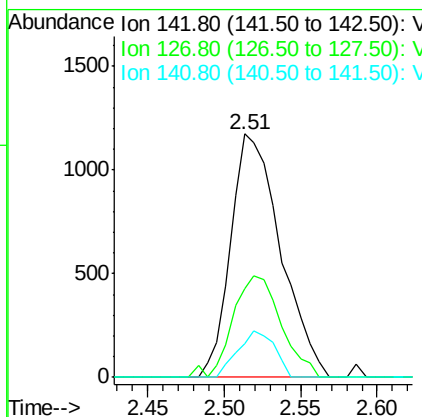
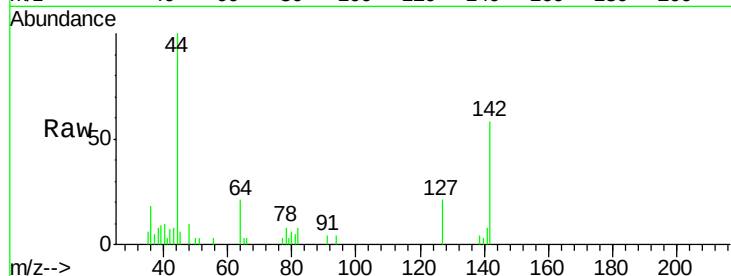




#10
Methyl Iodide
Concen: 0.61 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX001555.D
Acq: 09 May 2018 14:22

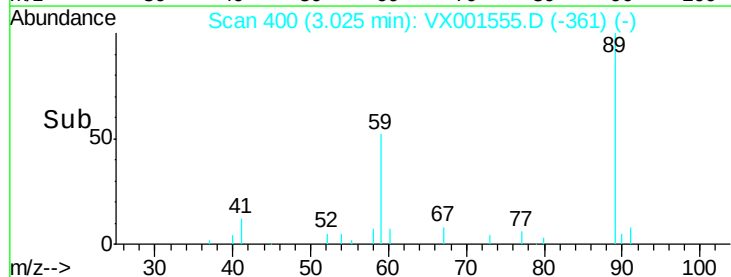
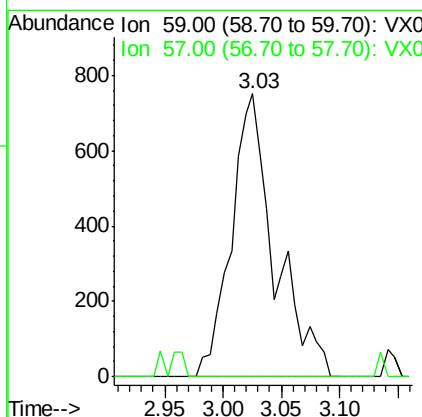
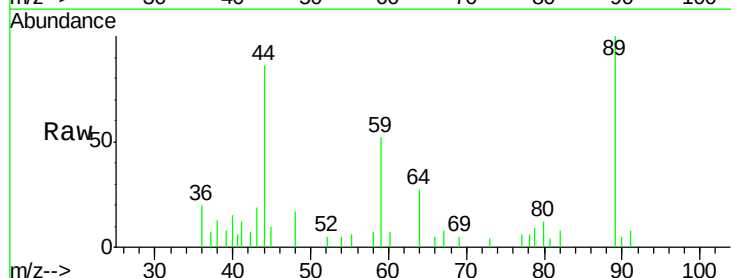
Instrument :
MSVOA_X
ClientSampleId :
VX0509WBL01

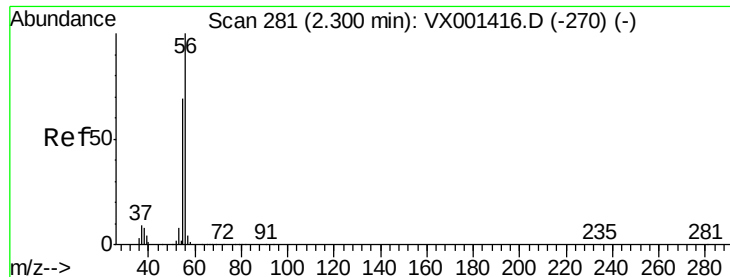
Tgt Ion:142 Resp: 2650
Ion Ratio Lower Upper
142 100
127 40.5 33.6 50.4
141 14.1 11.4 17.2



#11
Tert butyl alcohol
Concen: 2.57 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001555.D
Acq: 09 May 2018 14:22

Tgt Ion: 59 Resp: 1947
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampled :

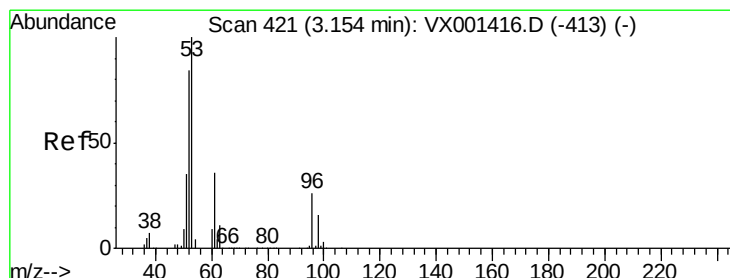
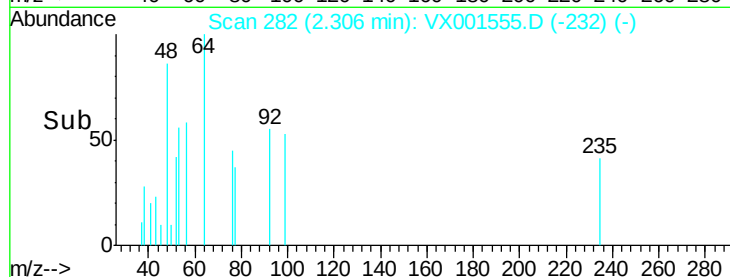
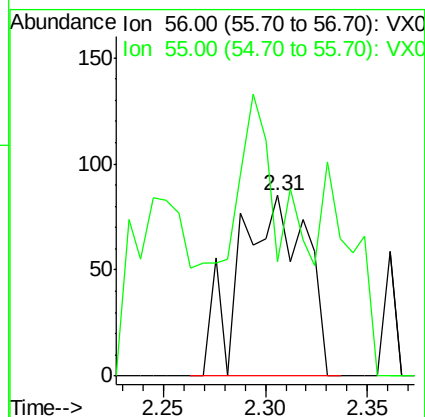
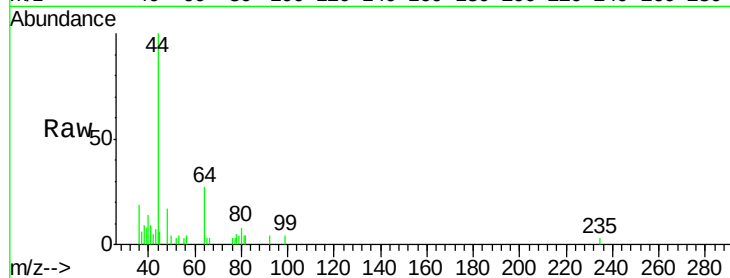
VX0509WBL01

Tgt Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 122.6 54.5 81.7#



#15

Acrylonitrile

Concen: 0.56 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

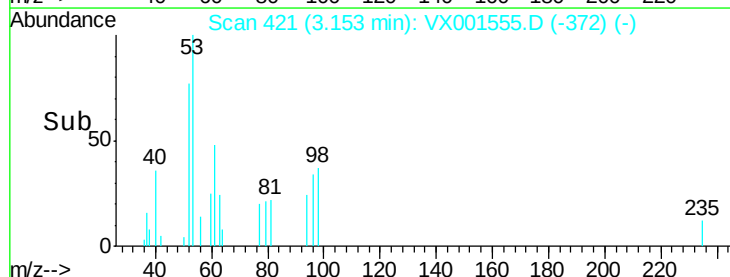
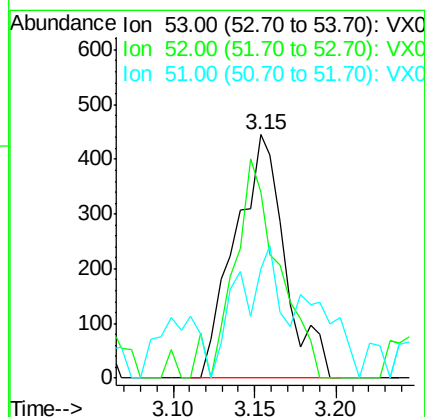
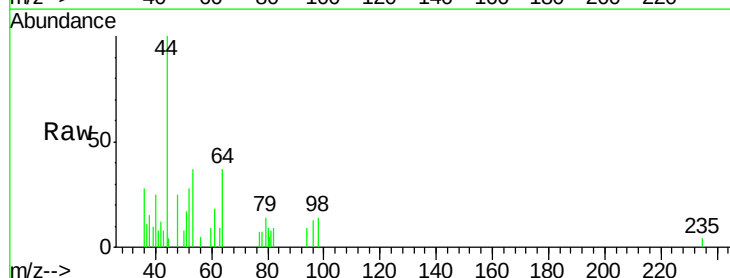
Tgt Ion: 53 Resp: 953

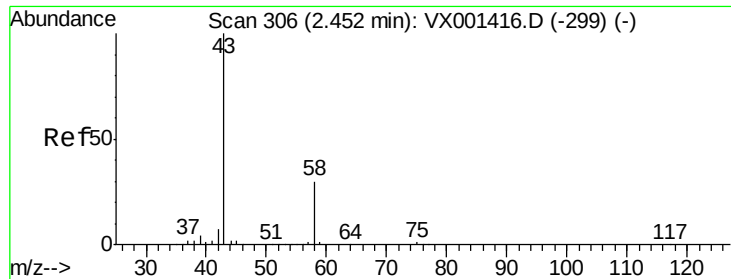
Ion Ratio Lower Upper

53 100

52 80.2 66.2 99.2

51 15.5 28.6 43.0#





#16

Acetone

Concen: 0.90 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

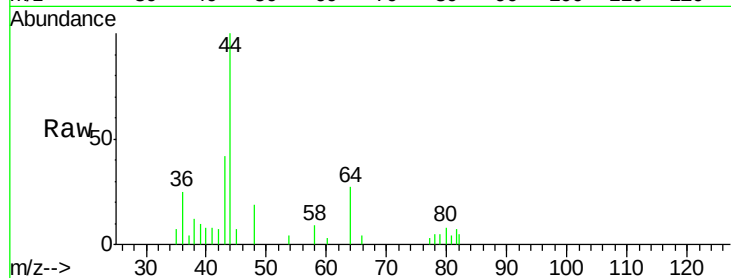
VX0509WBL01

Tgt Ion: 43 Resp: 1478

Ion Ratio Lower Upper

43 100

58 25.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

600

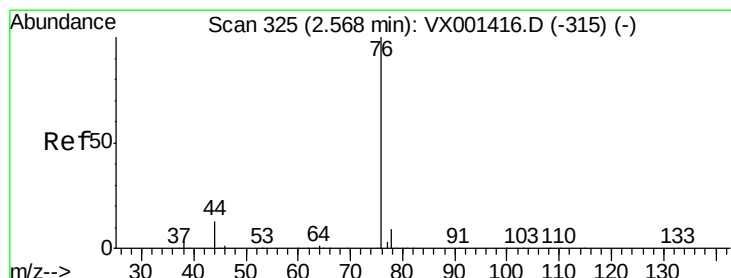
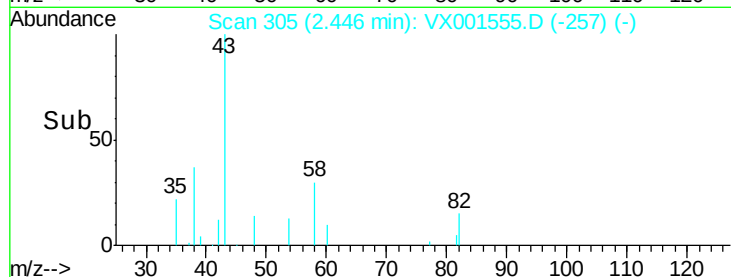
400

200

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.34 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001555.D

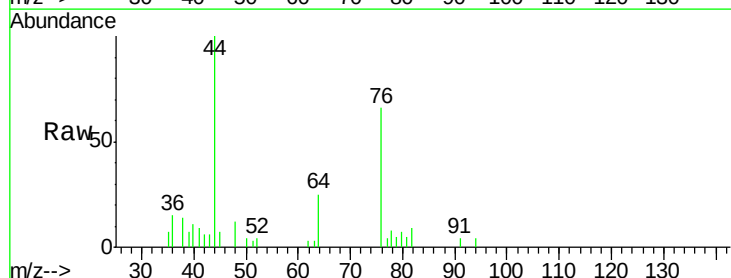
Acq: 09 May 2018 14:22

Tgt Ion: 76 Resp: 2411

Ion Ratio Lower Upper

76 100

78 2.6 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1500

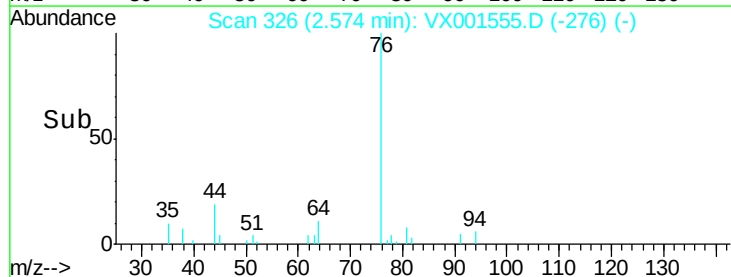
1000

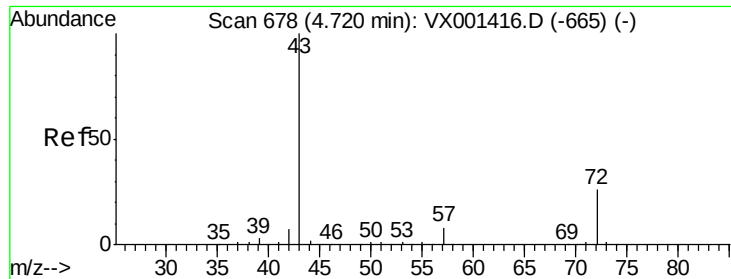
500

0

2.50 2.55 2.60 2.65

Time-->





#25

2-Butanone

Concen: 0.25 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampled :

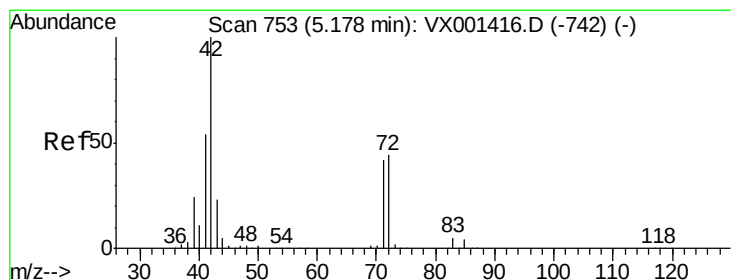
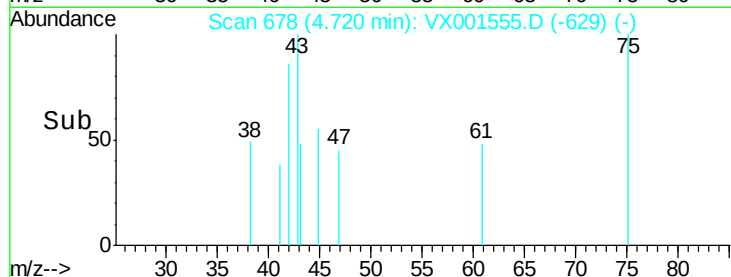
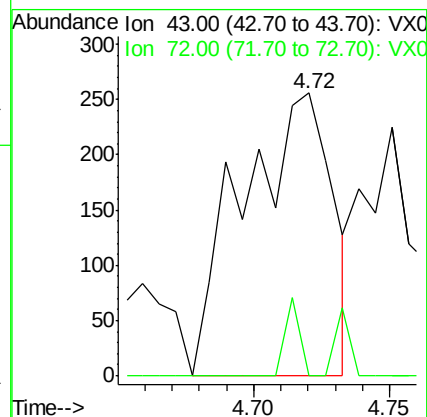
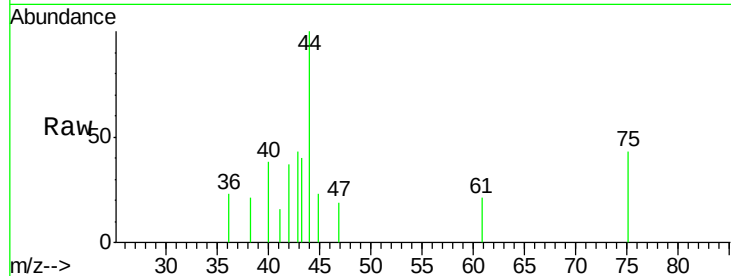
VX0509WBL01

Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#29

Tetrahydrofuran

Concen: 0.73 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

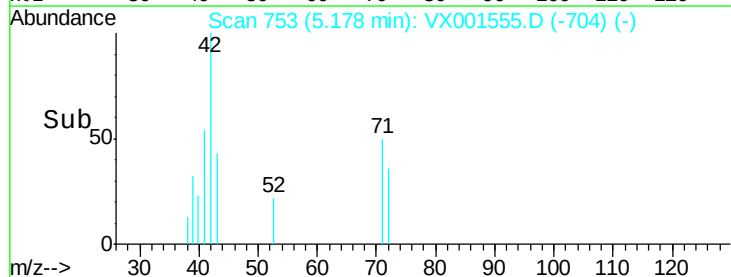
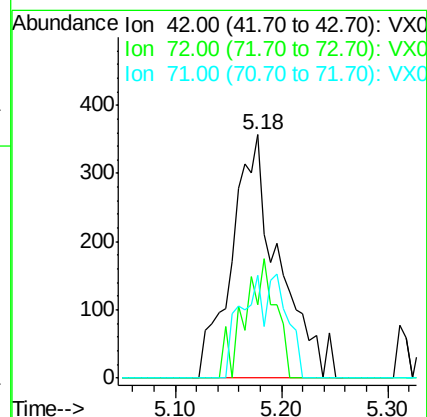
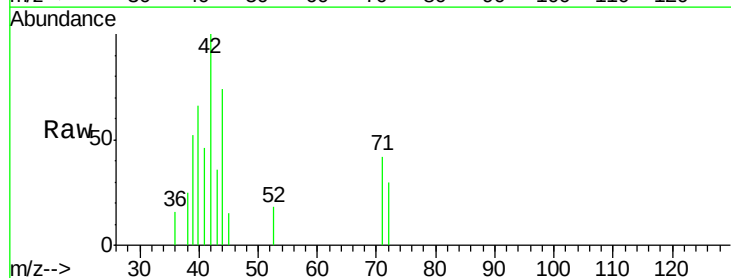
Tgt Ion: 42 Resp: 1099

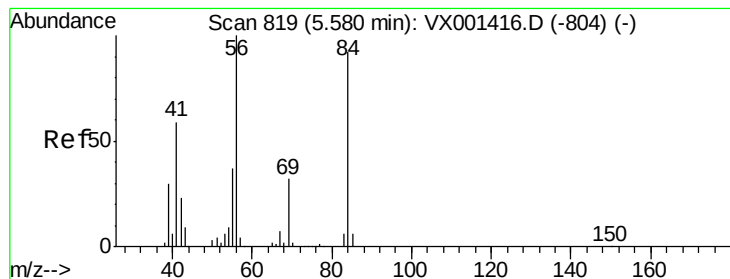
Ion Ratio Lower Upper

42 100

72 32.5 35.4 53.2#

71 21.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBL01

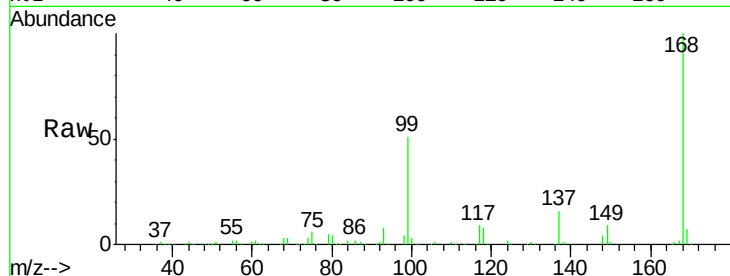
Tgt Ion: 56 Resp: 4241

Ion Ratio Lower Upper

56 100

69 167.4 25.4 38.0#

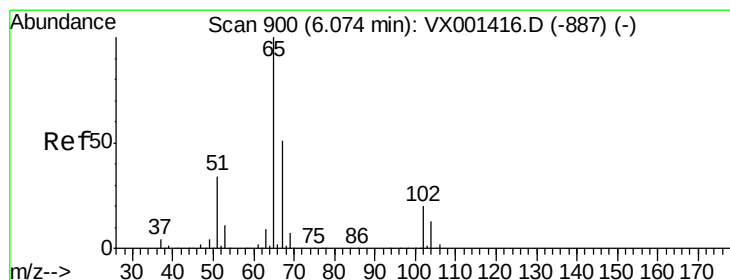
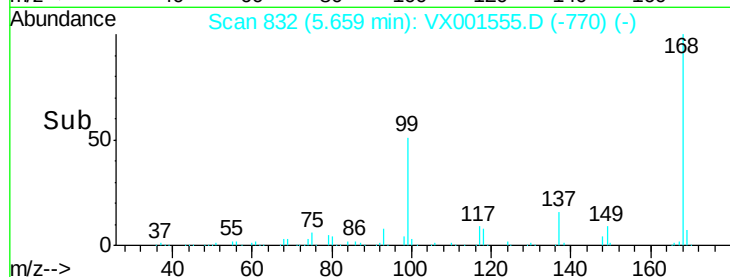
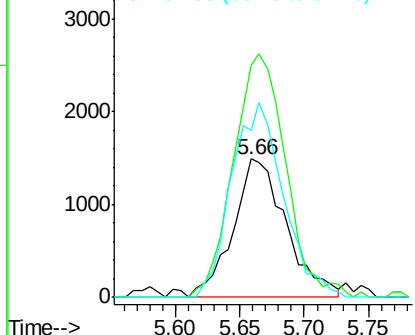
84 120.1 73.8 110.8#



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: 57.64 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001555.D

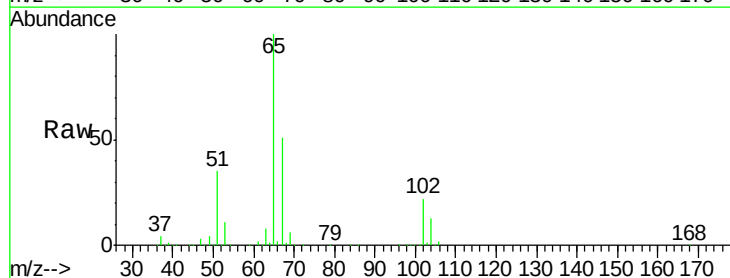
Acq: 09 May 2018 14:22

Tgt Ion: 65 Resp: 207482

Ion Ratio Lower Upper

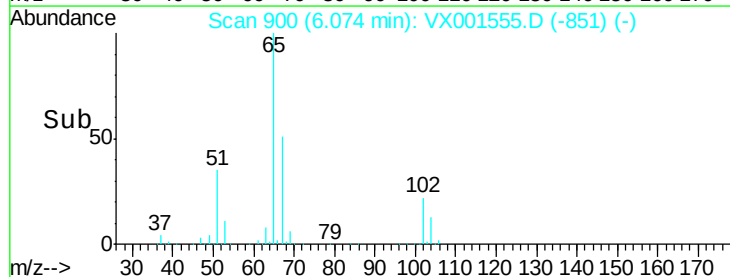
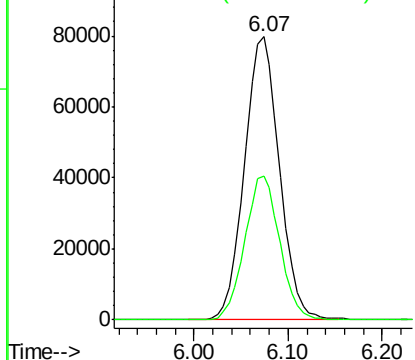
65 100

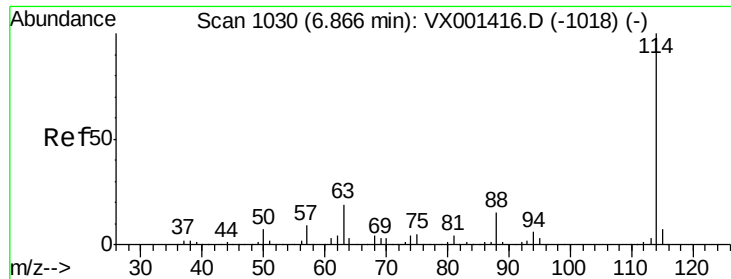
67 51.1 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

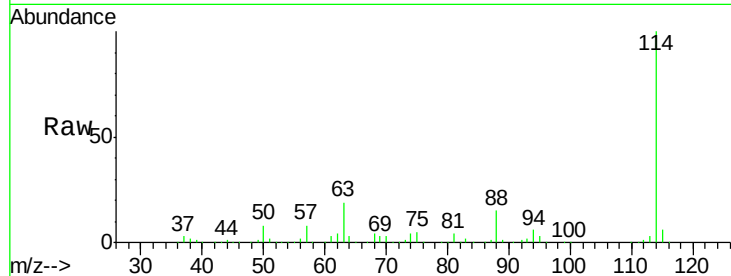




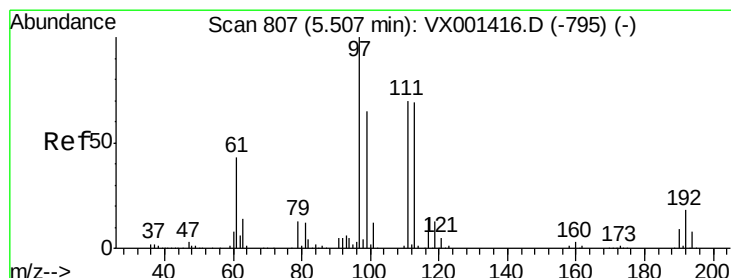
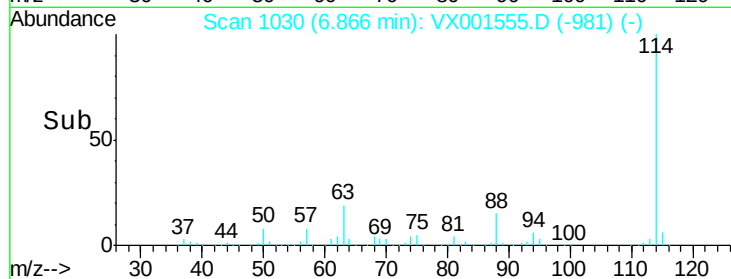
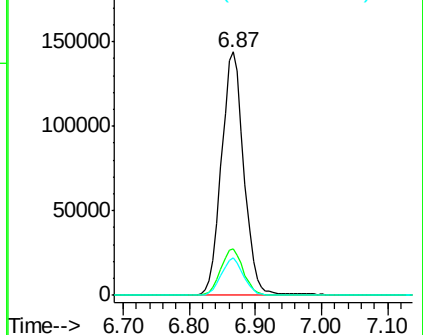
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001555.D
 Acq: 09 May 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBL01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.6
88	15.4	0.0	30.8

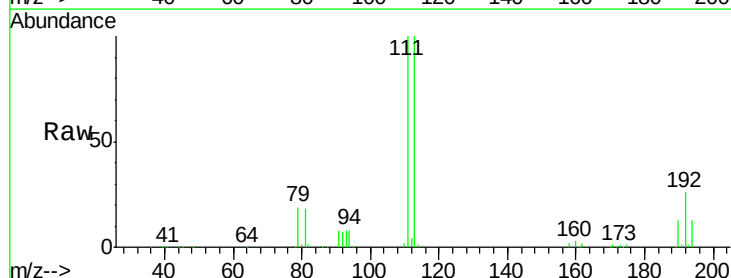


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

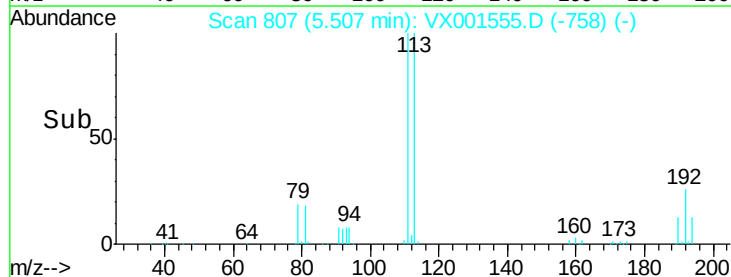
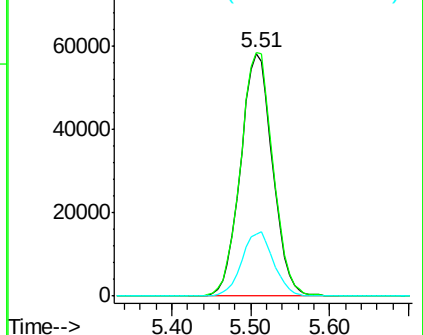


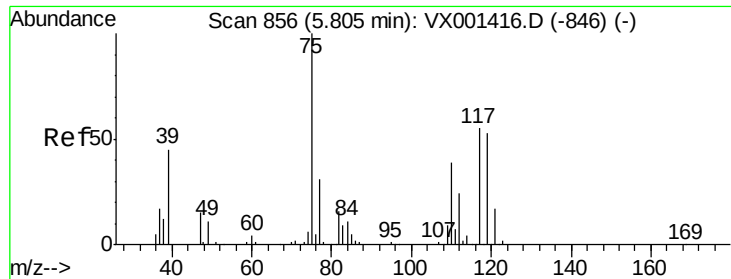
#35
 Dibromofluoromethane
 Concen: 54.38 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX001555.D
 Acq: 09 May 2018 14:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.2
192	26.3	21.4	32.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

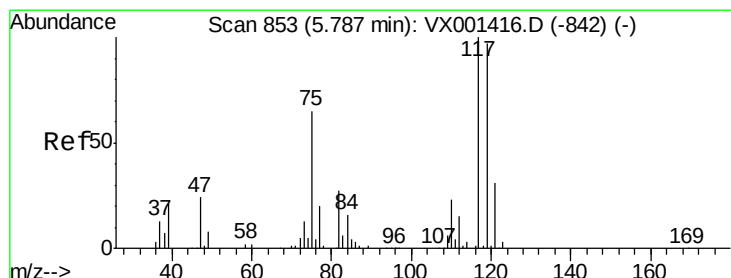
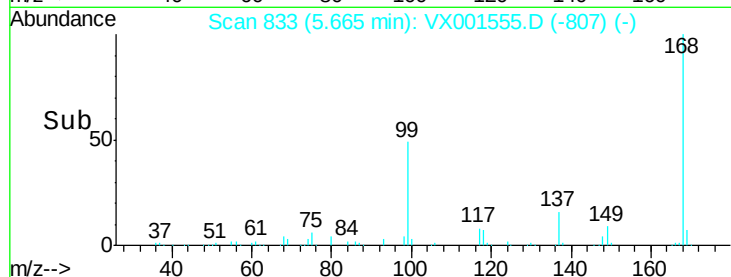
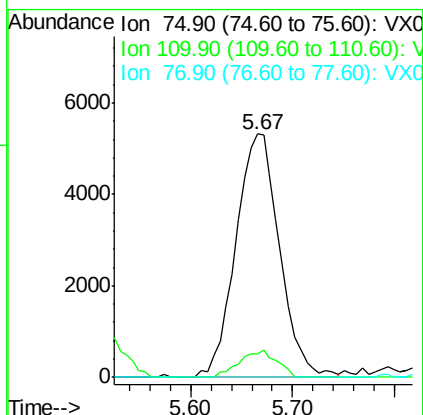
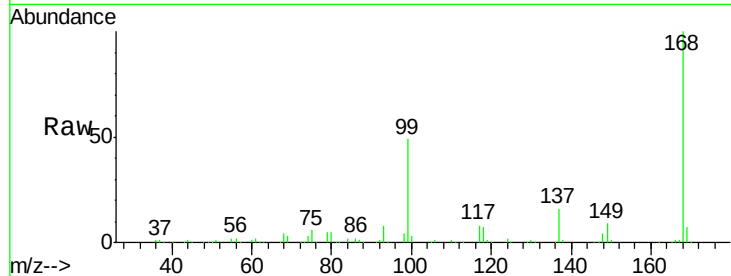




#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001555.D
 Acq: 09 May 2018 14:22

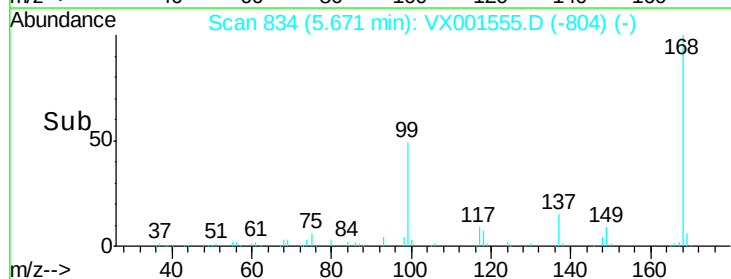
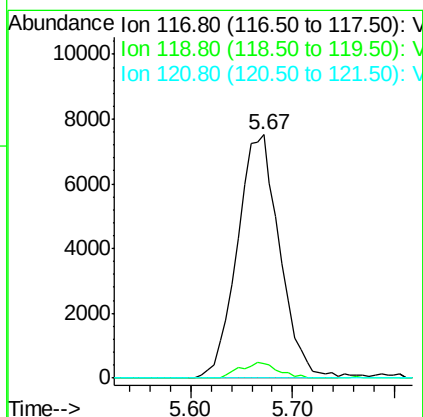
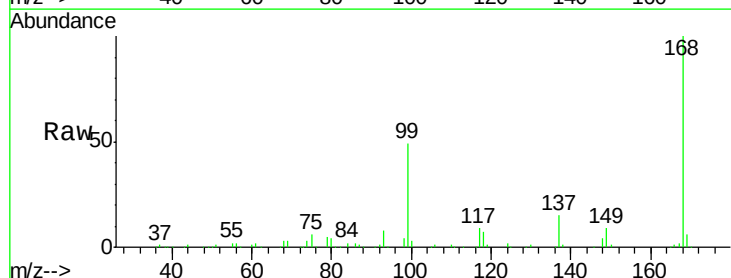
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBL01

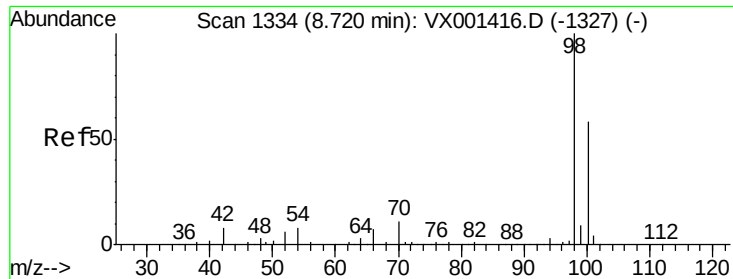
Tgt Ion: 75 Resp: 15795
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.9 56.7#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.69 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001555.D
 Acq: 09 May 2018 14:22

Tgt Ion: 117 Resp: 21633
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.0 115.6#
 121 0.0 25.1 37.7#

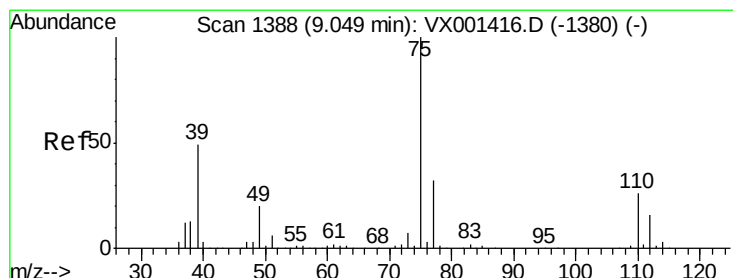
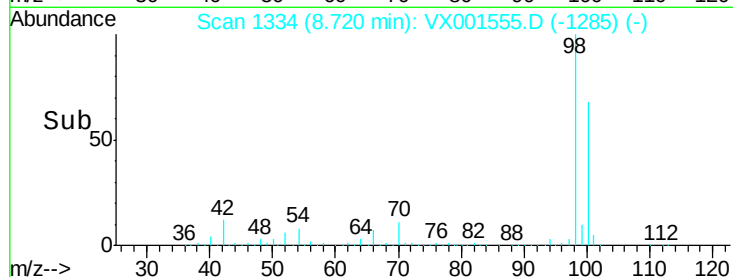
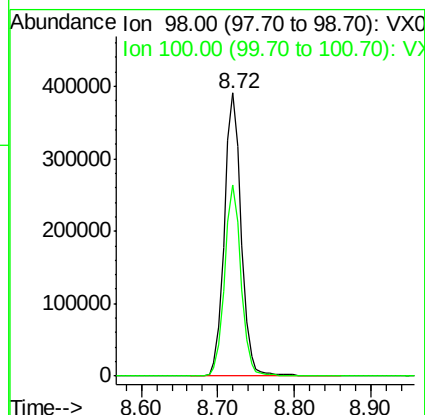
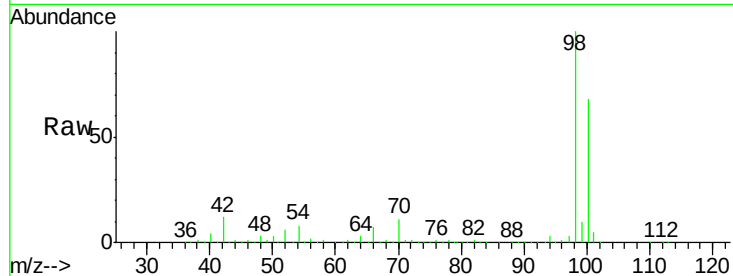




#50
Toluene-d8
Concen: 53.87 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001555.D
Acq: 09 May 2018 14:22

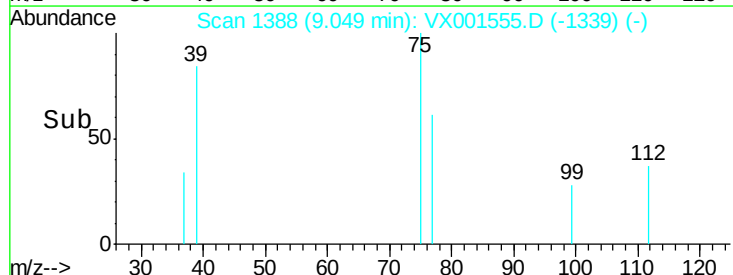
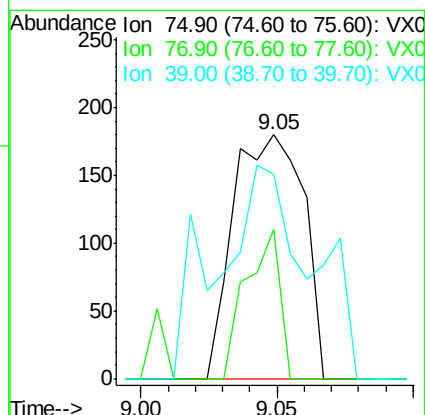
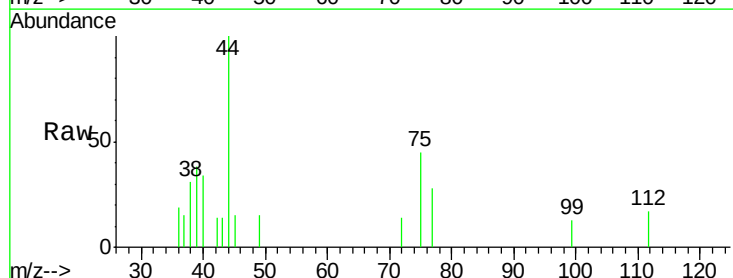
Instrument :
MSVOA_X
ClientSampleId :
VX0509WBL01

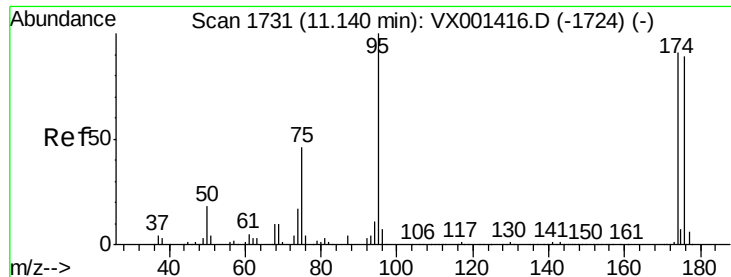
Tgt Ion: 98 Resp: 594810
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0



#54
cis-1,3-Dichloropropene
Concen: 2.33 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001555.D
Acq: 09 May 2018 14:22

Tgt Ion: 75 Resp: 321
Ion Ratio Lower Upper
75 100
77 61.1 25.5 38.3#
39 26.1 38.9 58.3#





#62

4-Bromofluorobenzene

Concen: 45.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBL01

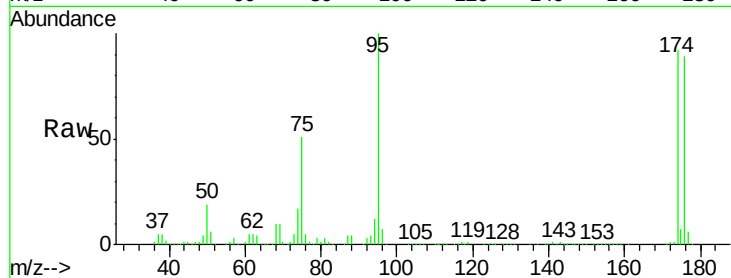
Tgt Ion: 95 Resp: 193491

Ion Ratio Lower Upper

95 100

174 101.5 0.0 202.0

176 99.6 0.0 197.4

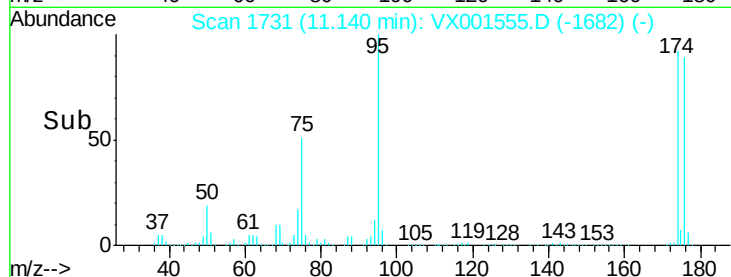


Abundance Ion 94.90 (94.60 to 95.60): VX001416.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001416.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001416.D (-1724) (-)

11.14



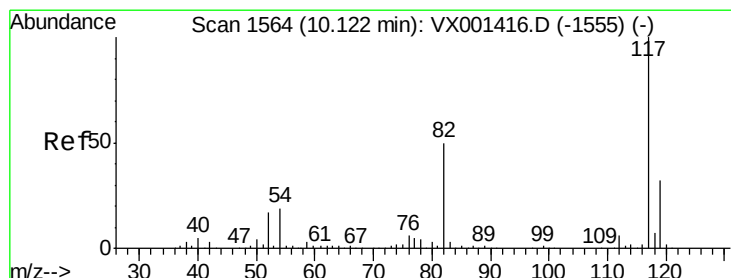
Abundance Ion 94.90 (94.60 to 95.60): VX001555.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001555.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001555.D (-1682) (-)

11.14

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

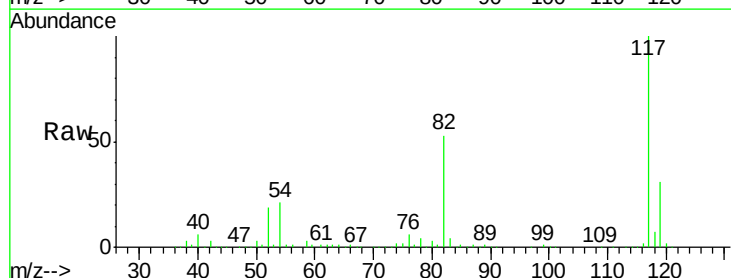
Tgt Ion: 117 Resp: 298481

Ion Ratio Lower Upper

117 100

82 52.6 40.0 60.0

119 31.1 25.8 38.8

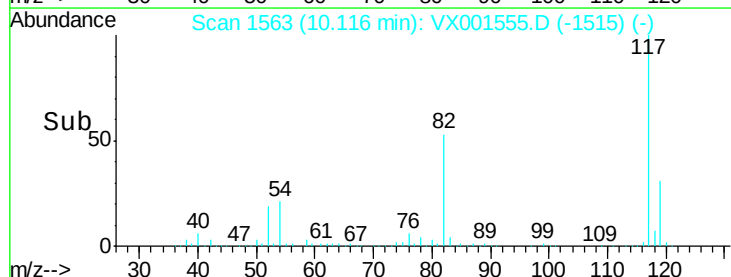


Abundance Ion 116.90 (116.60 to 117.60): VX001416.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001416.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001416.D (-1555) (-)

10.12



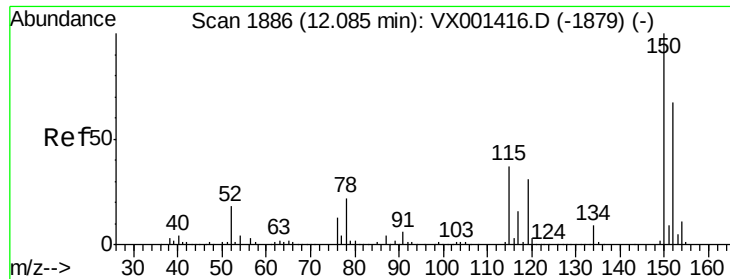
Abundance Ion 116.90 (116.60 to 117.60): VX001555.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001555.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001555.D (-1515) (-)

10.12

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampled :

VX0509WBL01

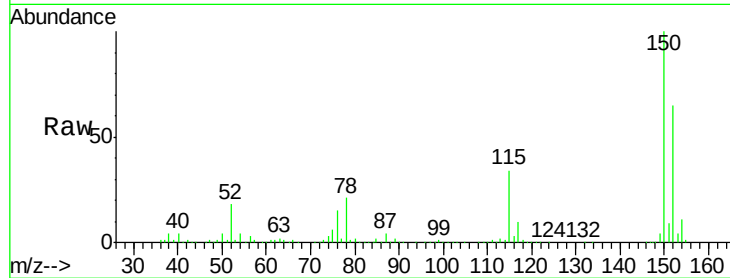
Tgt Ion:152 Resp: 163276

Ion Ratio Lower Upper

152 100

115 52.9 37.7 113.1

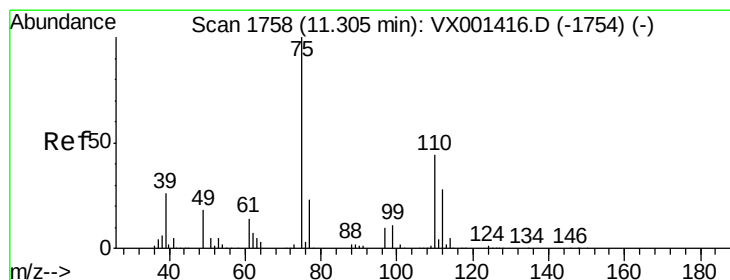
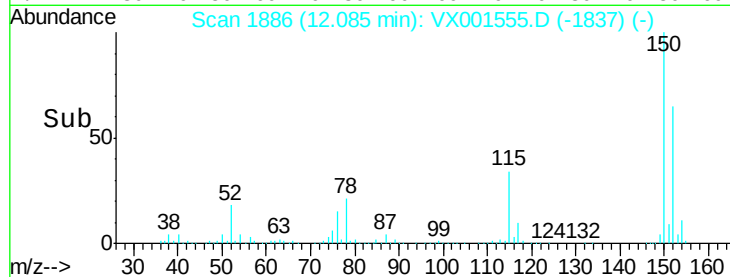
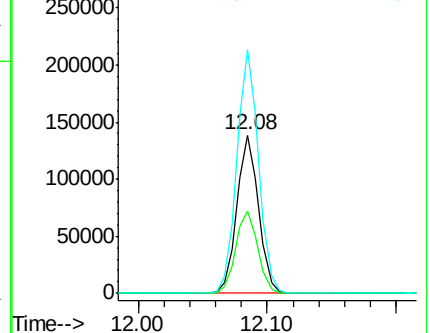
150 154.4 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001555.D

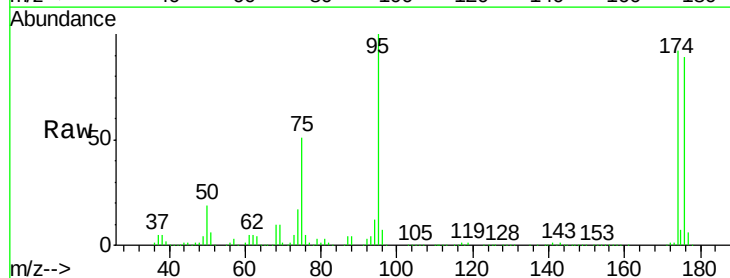
Acq: 09 May 2018 14:22

Tgt Ion: 75 Resp: 97011

Ion Ratio Lower Upper

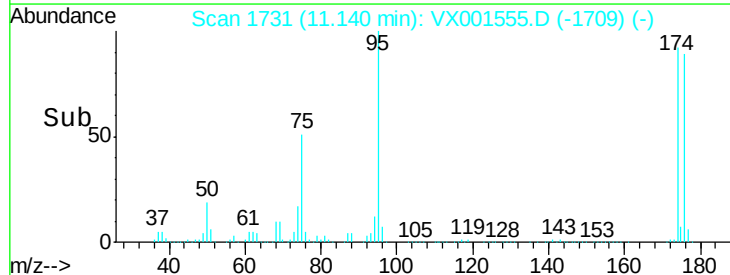
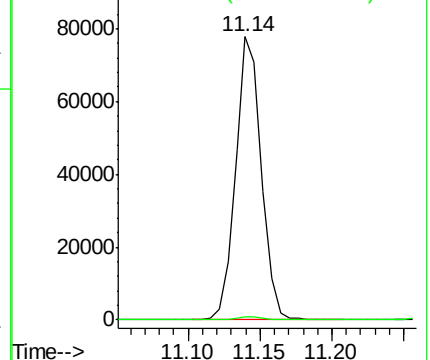
75 100

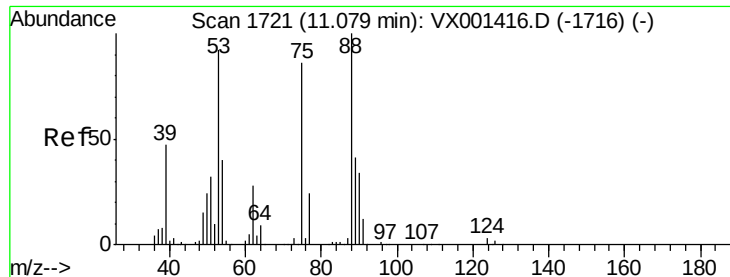
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 89.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

Instrument :

MSVOA_X

ClientSampled :

VX0509WBL01

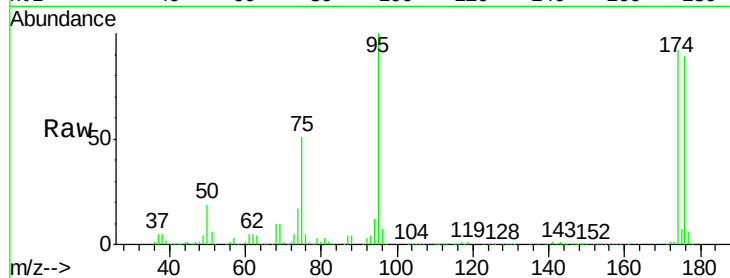
Tgt Ion: 75 Resp: 97011

Ion Ratio Lower Upper

75 100

53 0.0 84.5 126.7#

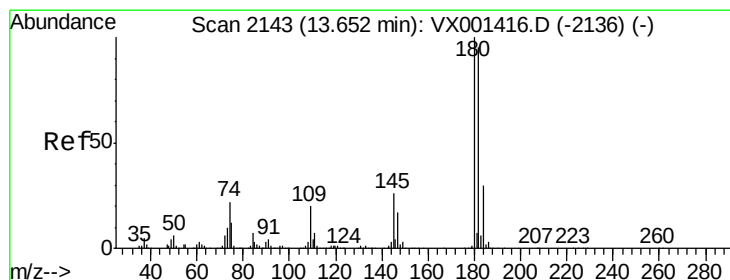
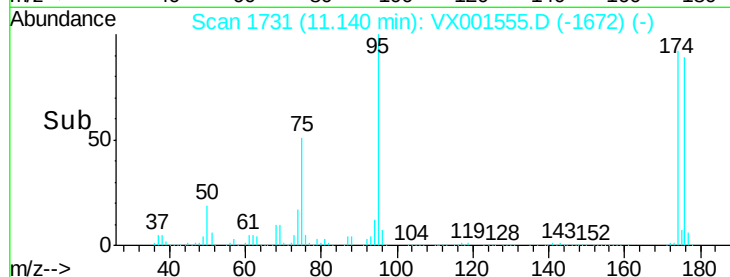
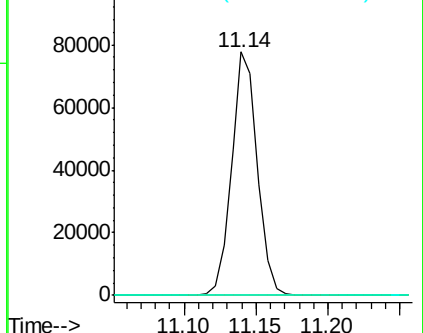
89 0.0 39.5 59.3#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.23 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001555.D

Acq: 09 May 2018 14:22

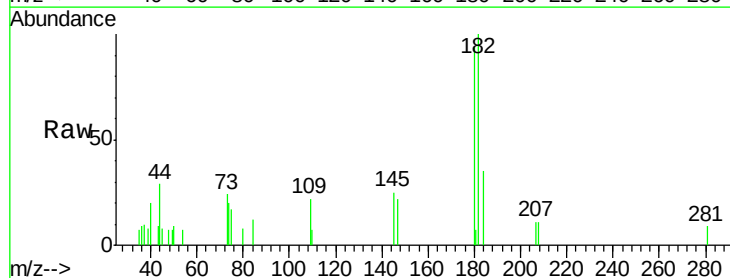
Tgt Ion: 180 Resp: 1018

Ion Ratio Lower Upper

180 100

182 88.1 47.8 143.4

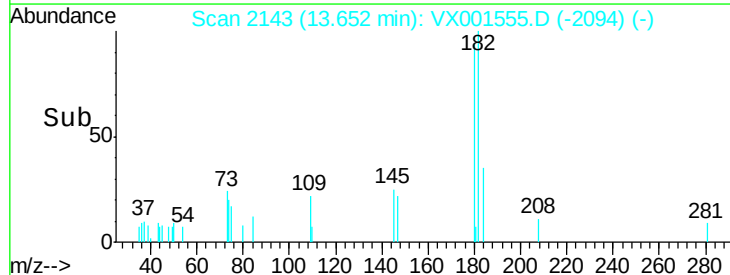
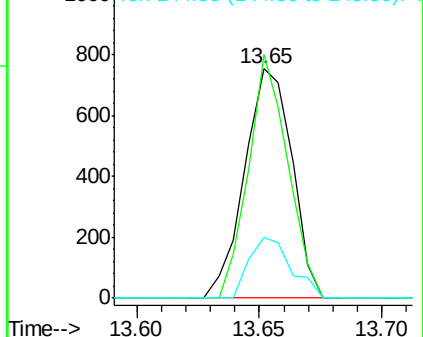
145 23.5 13.3 39.9

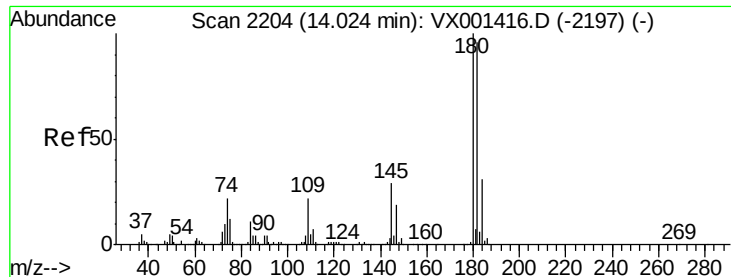


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.23 ug/l
 RT: 14.03 min Scan# 2205
 Delta R.T. 0.01 min
 Lab File: VX001555.D
 Acq: 09 May 2018 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	29.5	14.1	42.4

