

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001652.D
 Acq On : 11 May 2018 21:02
 Operator : JC/MD
 Sample : J2741-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-14-180502

Quant Time: May 12 03:37:47 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	248155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	332631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158410	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	200128	56.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.22%	
35) Dibromofluoromethane	5.51	113	159821	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	8.72	98	556172	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.14	95	182940	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	

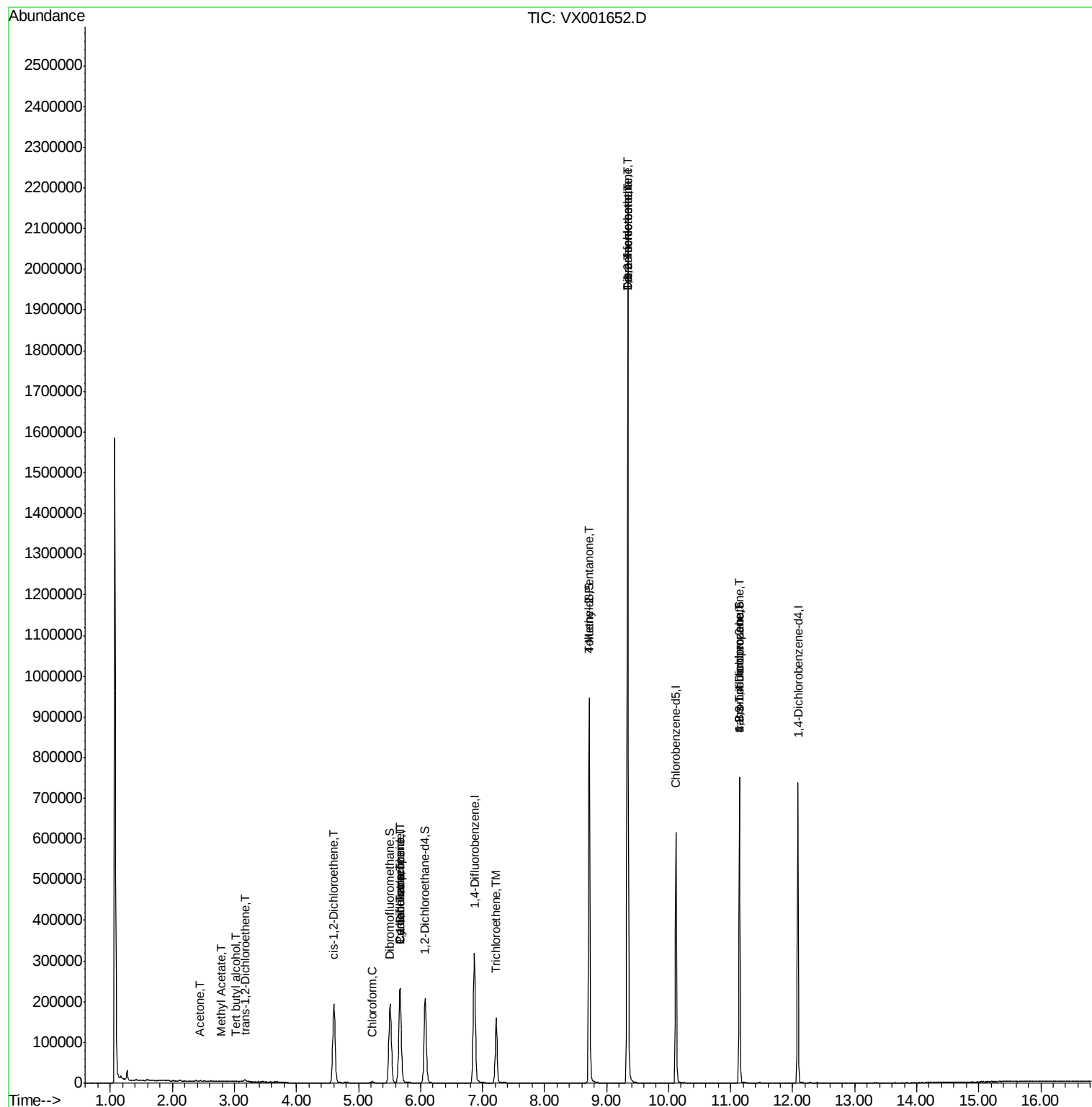
Target Compounds						Qvalue
5) Bromomethane	1.66	94	1170	Below Cal	#	69
11) Tert butyl alcohol	3.03	59	1010	1.34	ug/l #	72
13) Acrolein	2.31	56	21	Below Cal	#	16
16) Acetone	2.45	43	1791	1.11	ug/l	96
18) Methyl Acetate	2.79	43	941	0.22	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	2175	0.71	ug/l	84
27) cis-1,2-Dichloroethene	4.60	96	126480	38.75	ug/l	86
30) Chloroform	5.23	83	3265	0.59	ug/l	98
31) Cyclohexane	5.67	56	4299	0.94	ug/l #	29
36) 1,1-Dichloropropene	5.67	75	15331	3.62	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21511	4.77	ug/l #	16
44) Trichloroethene	7.22	130	64664	17.12	ug/l	95
51) 4-Methyl-2-Pentanone	8.72	43	2474	0.52	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	3321	1.02	ug/l #	1
60) Dibromochloromethane	9.34	129	382265	114.66	ug/l #	11
64) Tetrachloroethene	9.34	164	461492	111.43	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	89425	27.83	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	89425	85.42	ug/l #	7

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

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
Data File : VX001652.D
Acq On : 11 May 2018 21:02
Operator : JC/MD
Sample : J2741-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
M-14-180502

Quant Time: May 12 03:37:47 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# 834

Delta R.T. -0.00 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampled :

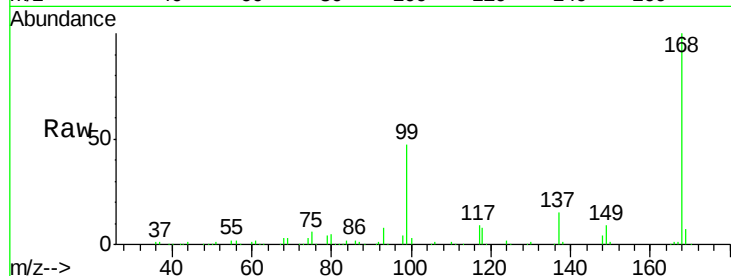
M-14-180502

Tgt Ion:168 Resp: 248155

Ion Ratio Lower Upper

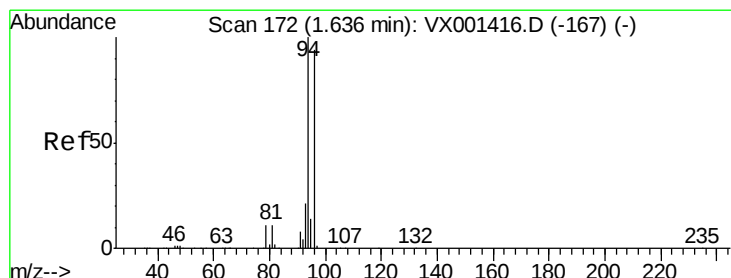
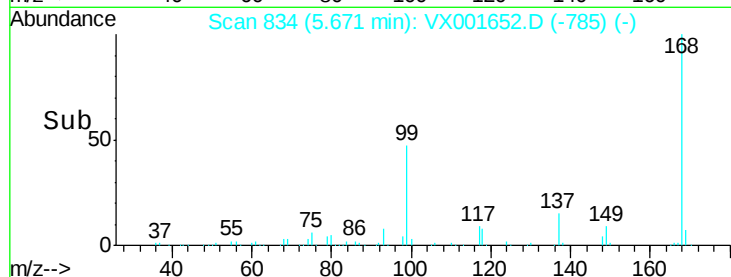
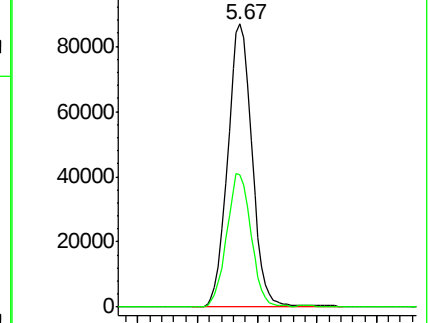
168 100

99 46.7 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: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001652.D

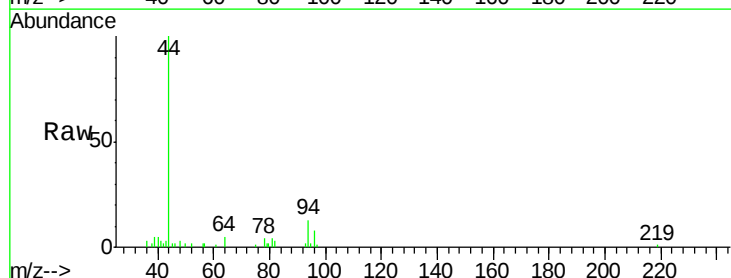
Acq: 11 May 2018 21:02

Tgt Ion: 94 Resp: 1170

Ion Ratio Lower Upper

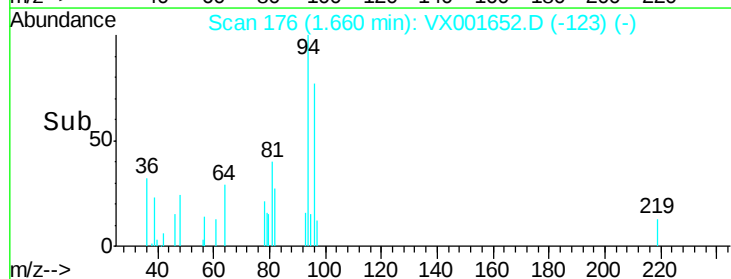
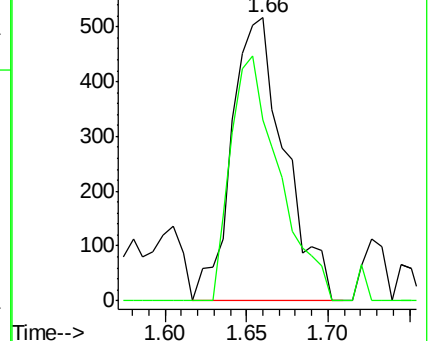
94 100

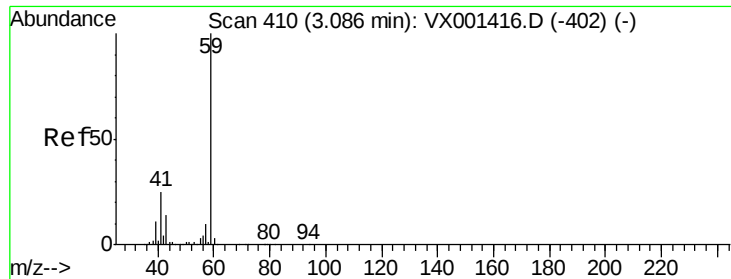
96 64.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: 1.34 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

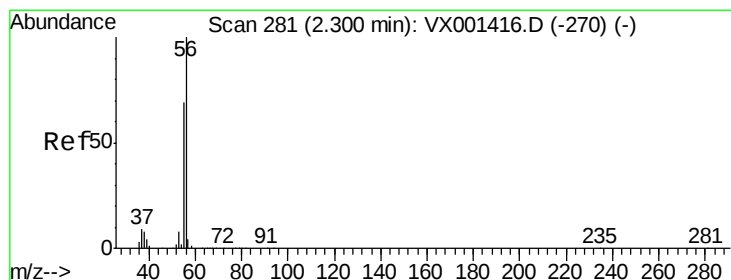
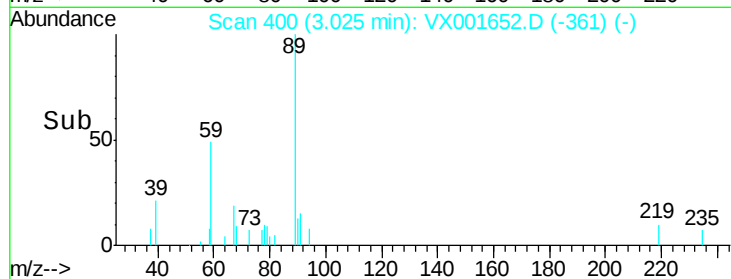
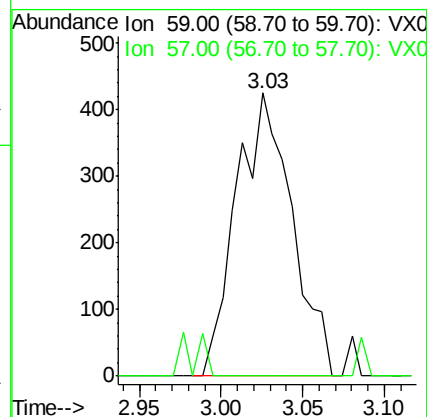
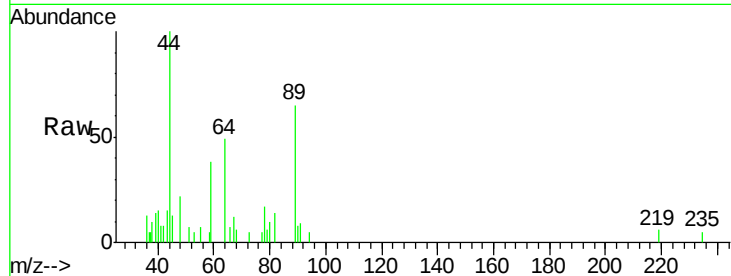
M-14-180502

Tgt Ion: 59 Resp: 1010

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: VX001652.D

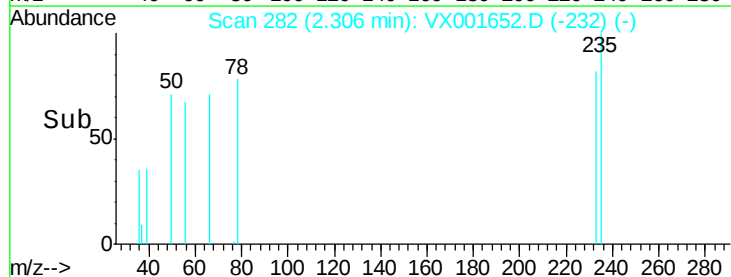
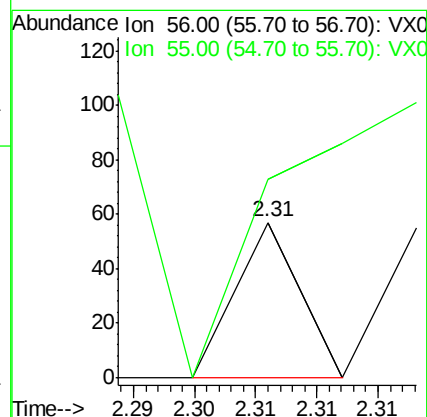
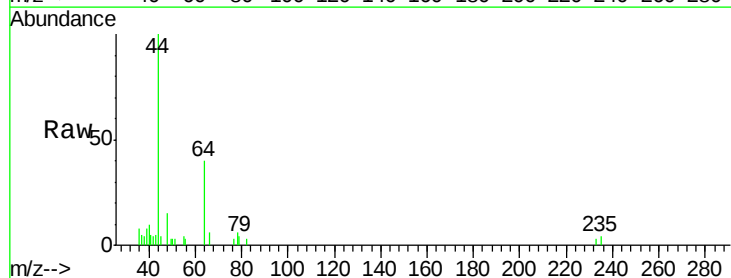
Acq: 11 May 2018 21:02

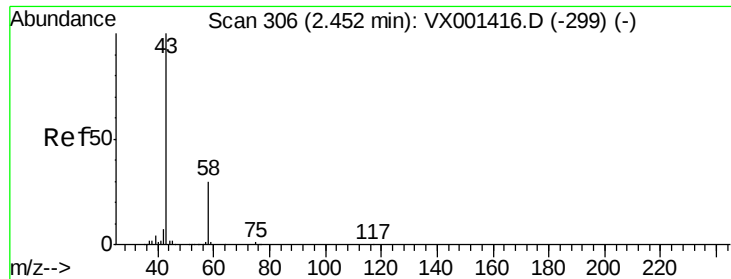
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#





#16

Acetone

Concen: 1.11 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

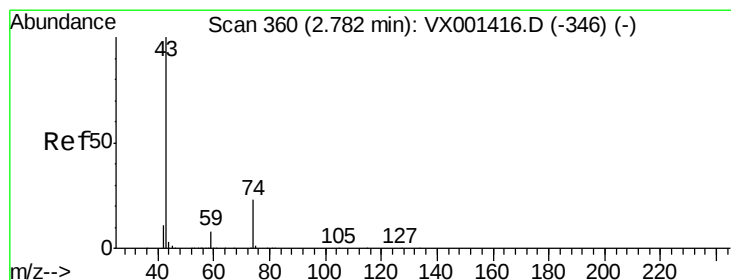
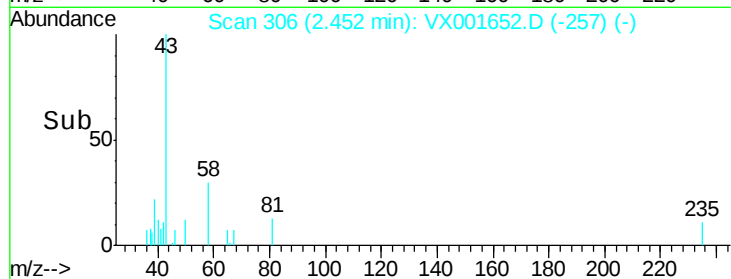
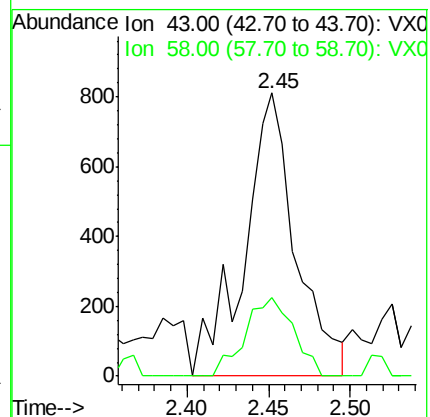
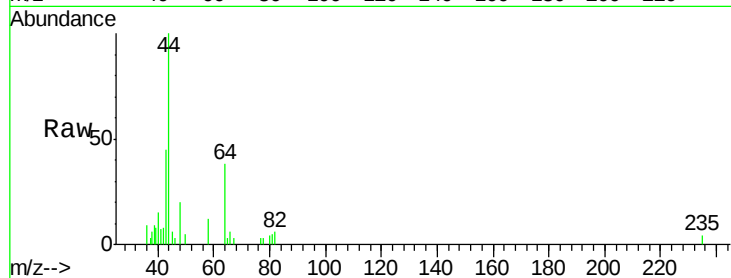
M-14-180502

Tgt Ion: 43 Resp: 1791

Ion Ratio Lower Upper

43 100

58 27.9 23.8 35.8



#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001652.D

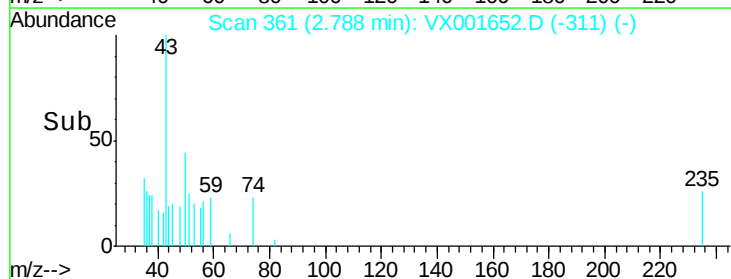
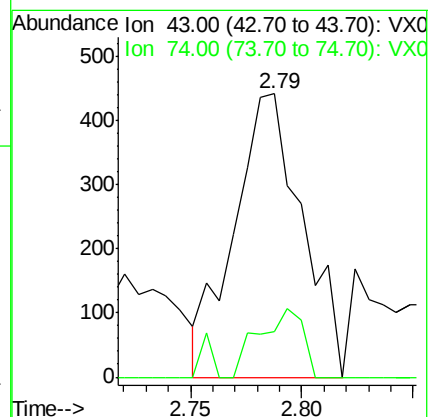
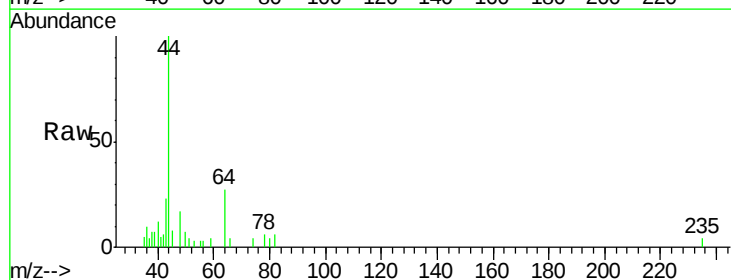
Acq: 11 May 2018 21:02

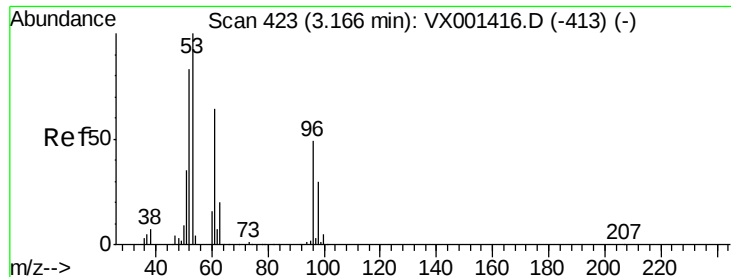
Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

43 100

74 15.6 18.6 27.8#





#21

trans-1,2-Dichloroethene

Concen: 0.71 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

M-14-180502

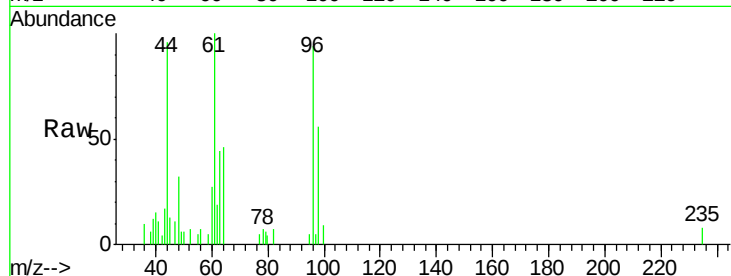
Tgt Ion: 96 Resp: 2175

Ion Ratio Lower Upper

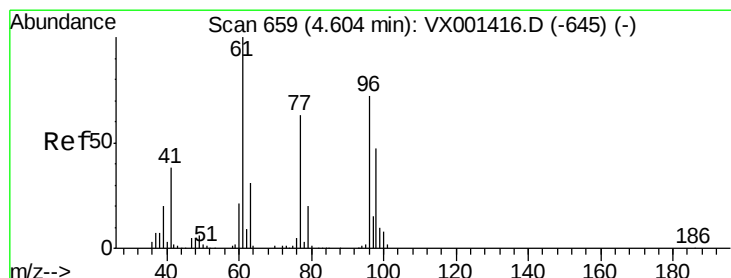
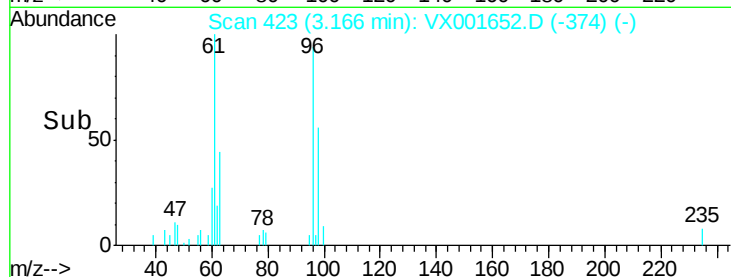
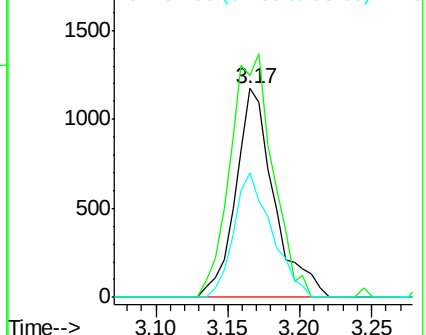
96 100

61 106.4 105.0 157.4

98 59.6 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 38.75 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

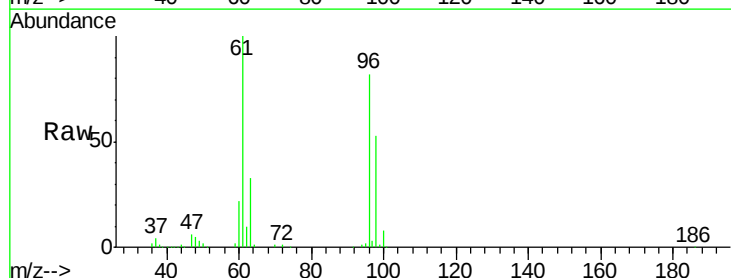
Tgt Ion: 96 Resp: 126480

Ion Ratio Lower Upper

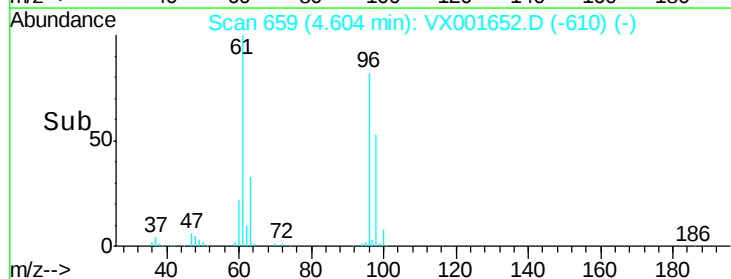
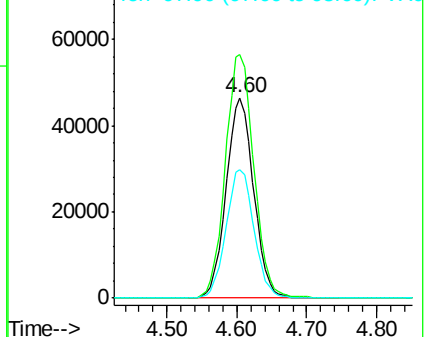
96 100

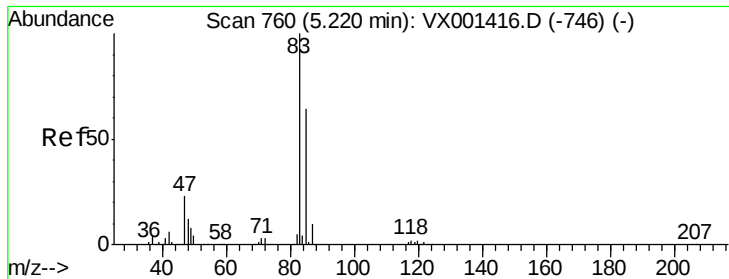
61 126.2 0.0 301.6

98 65.2 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

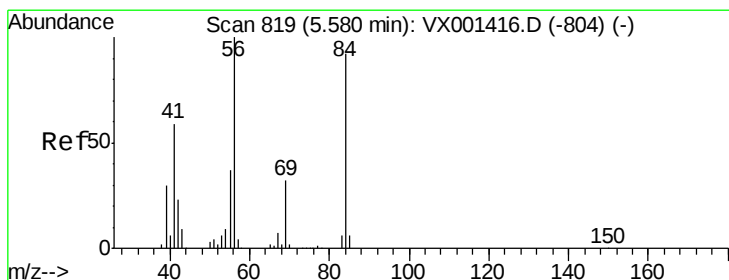
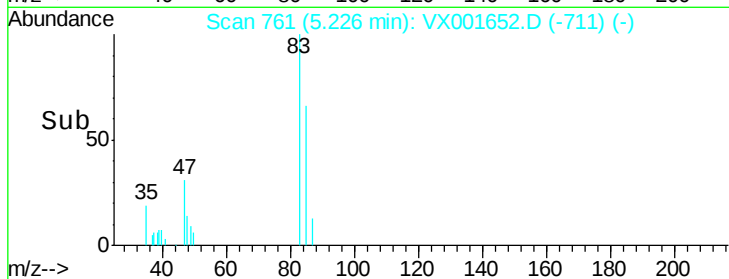
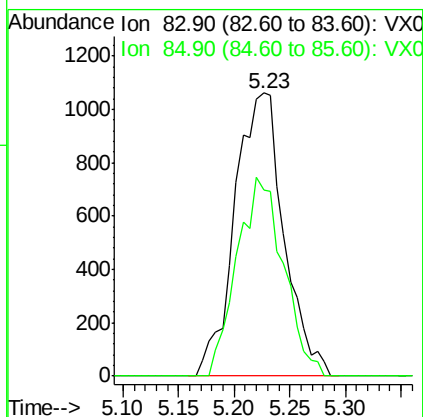
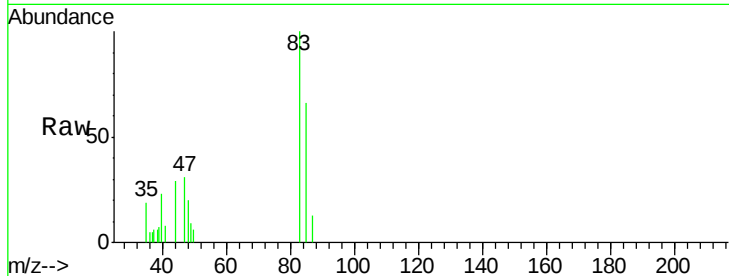




#30
Chloroform
Concen: 0.59 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

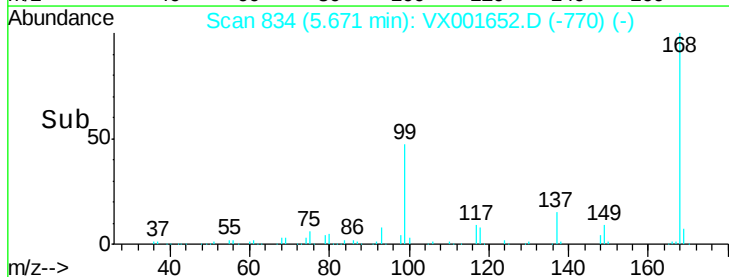
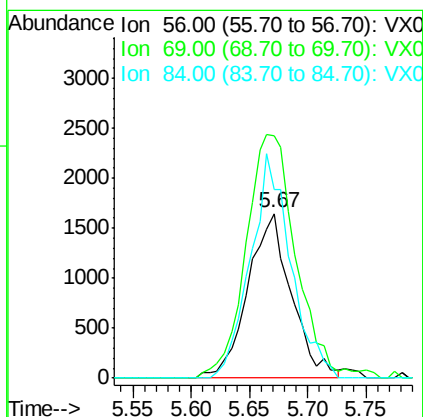
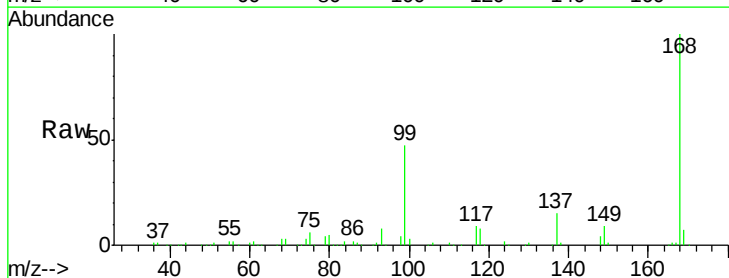
Instrument :
MSVOA_X
ClientSampled :
M-14-180502

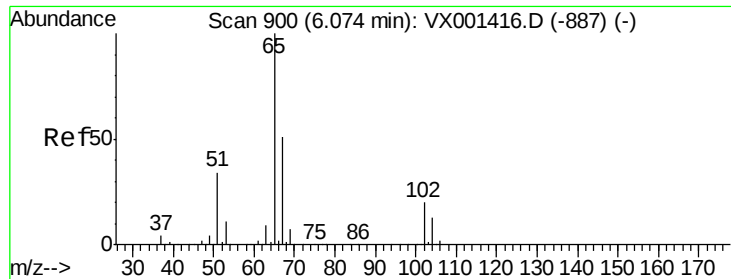
Tgt Ion: 83 Resp: 3265
Ion Ratio Lower Upper
83 100
85 65.6 51.0 76.4



#31
Cyclohexane
Concen: 0.94 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

Tgt Ion: 56 Resp: 4299
Ion Ratio Lower Upper
56 100
69 147.3 25.4 38.0#
84 114.8 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 56.11 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

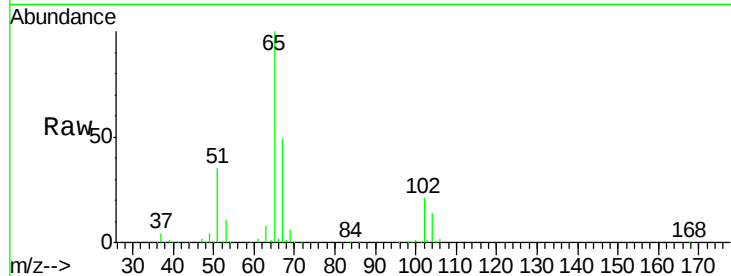
M-14-180502

Tgt Ion: 65 Resp: 200128

Ion Ratio Lower Upper

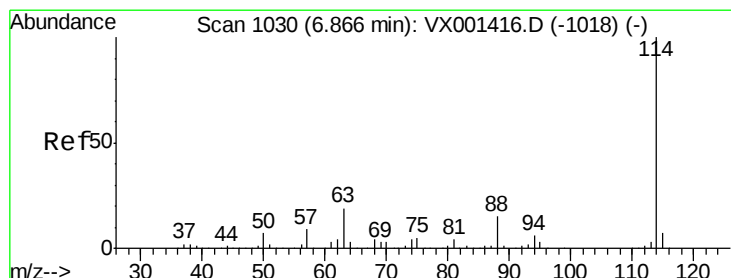
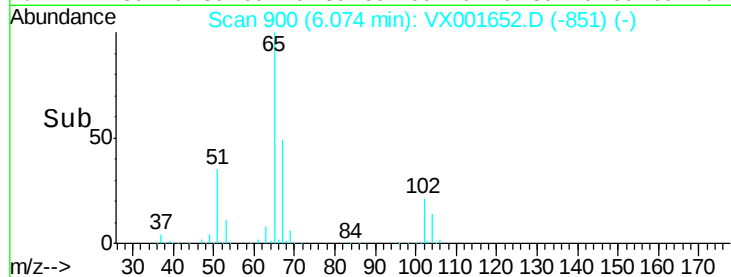
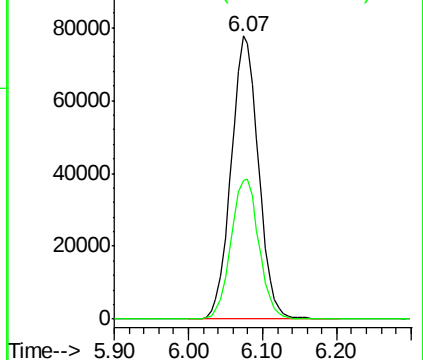
65 100

67 50.7 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: VX001652.D

Acq: 11 May 2018 21:02

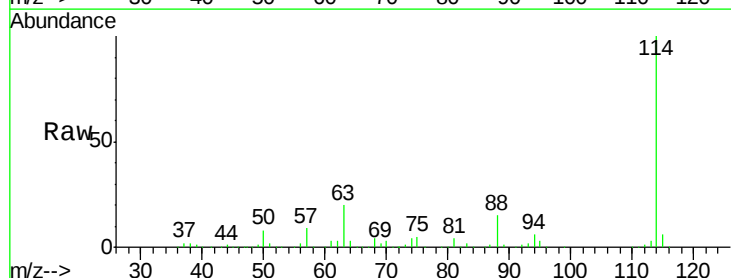
Tgt Ion: 114 Resp: 332631

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

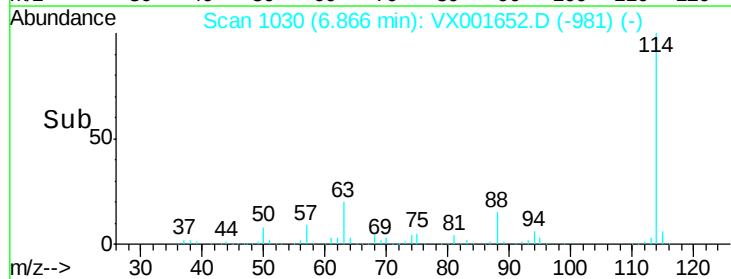
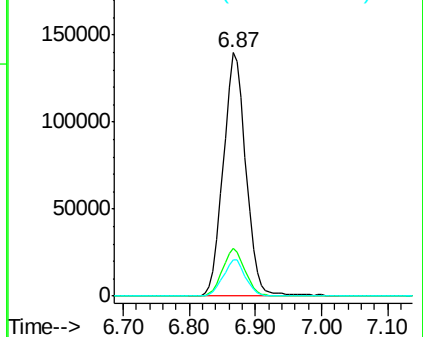
88 14.6 0.0 30.8

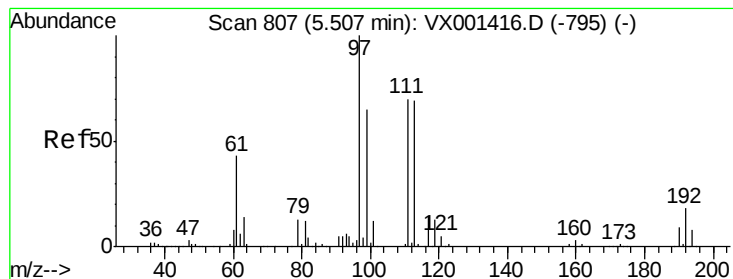


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.02 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

M-14-180502

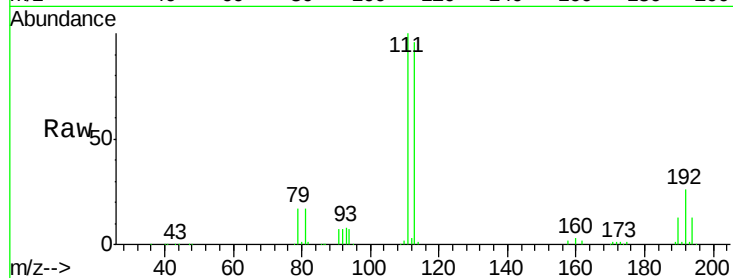
Tgt Ion:113 Resp: 159821

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

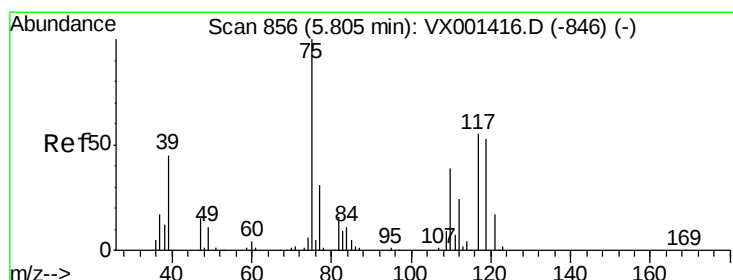
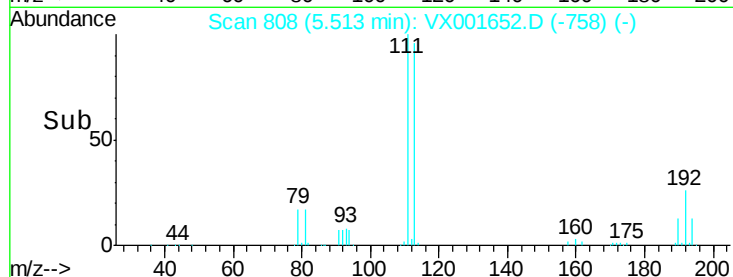
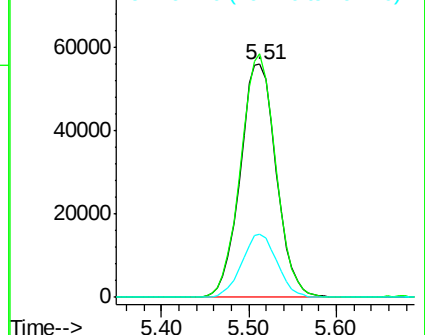
192 26.6 21.4 32.0



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: 3.62 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

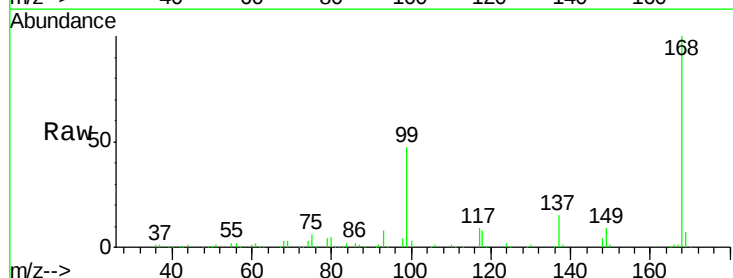
Tgt Ion: 75 Resp: 15331

Ion Ratio Lower Upper

75 100

110 10.7 18.9 56.7#

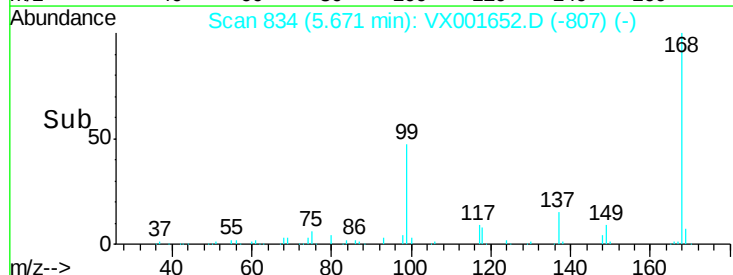
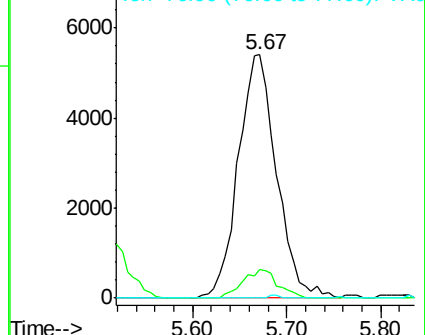
77 0.3 24.9 37.3#

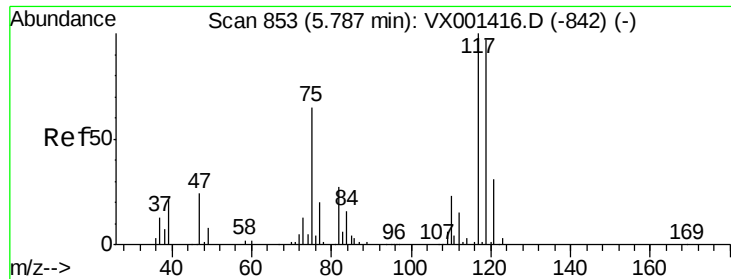


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

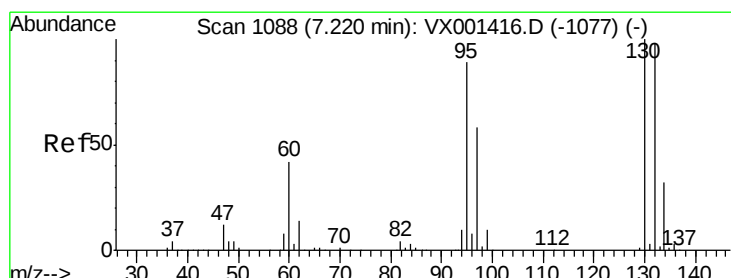
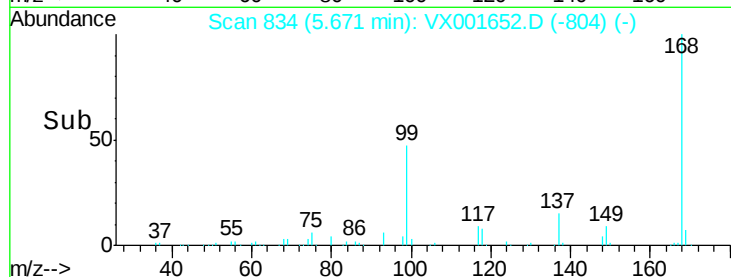
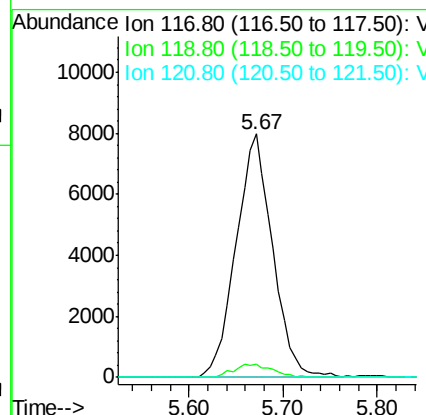
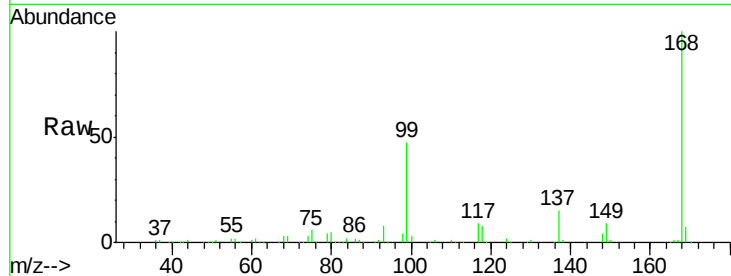




#38
Carbon Tetrachloride
Concen: 4.77 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

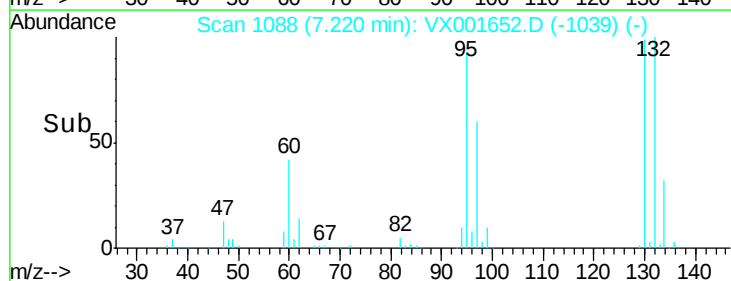
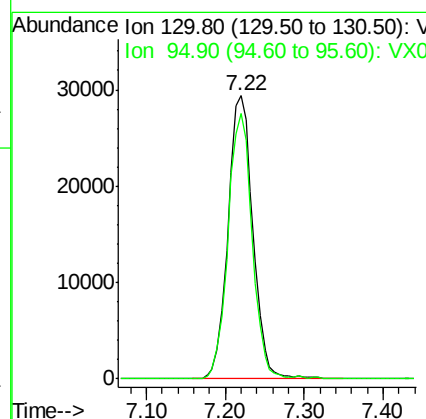
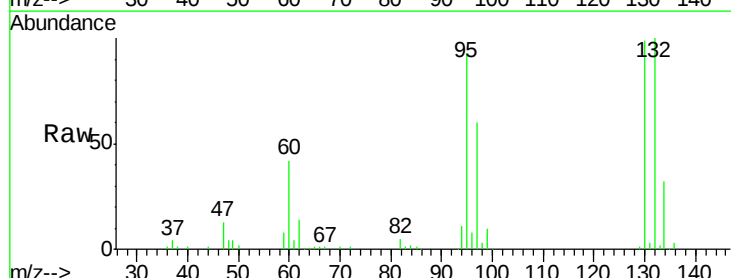
Instrument :
MSVOA_X
ClientSampled :
M-14-180502

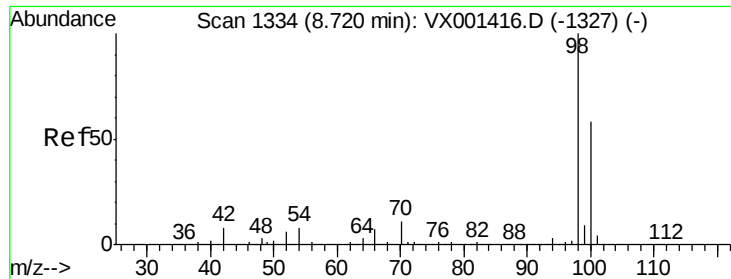
Tgt Ion:117 Resp: 21511
Ion Ratio Lower Upper
117 100
119 5.4 77.0 115.6#
121 0.0 25.1 37.7#



#44
Trichloroethene
Concen: 17.12 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

Tgt Ion:130 Resp: 64664
Ion Ratio Lower Upper
130 100
95 93.9 0.0 178.4

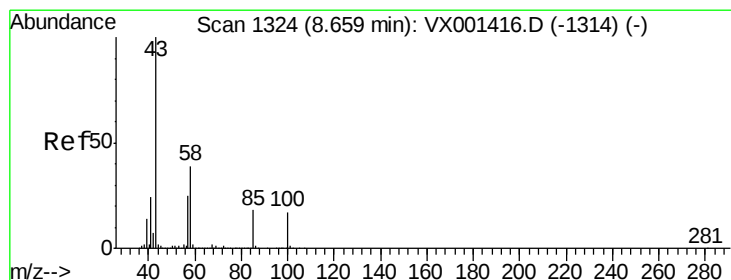
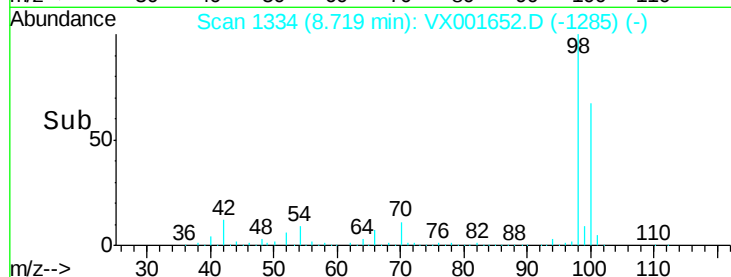
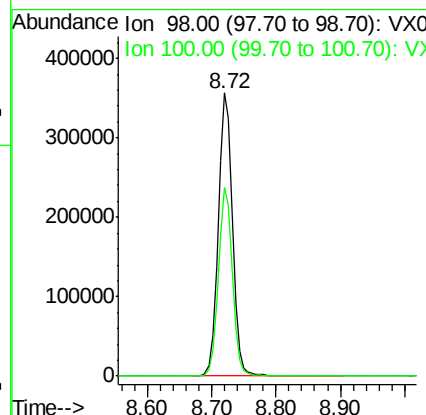
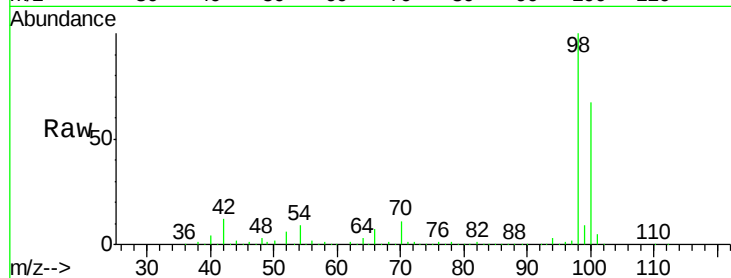




#50
Toluene-d8
Concen: 51.50 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

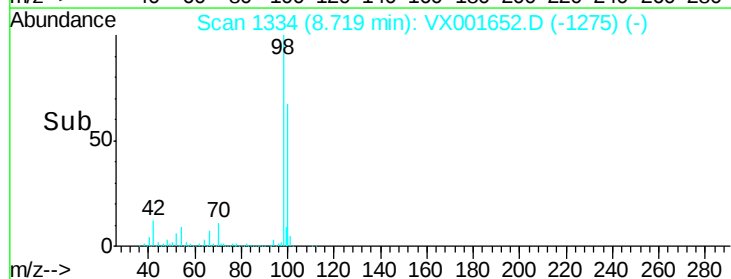
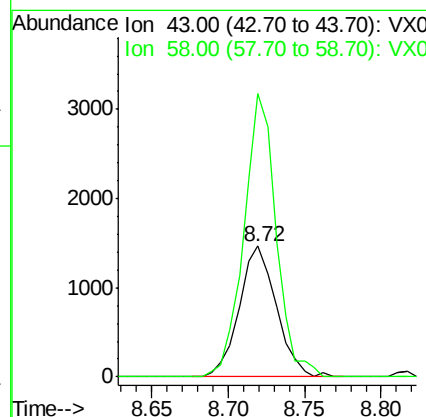
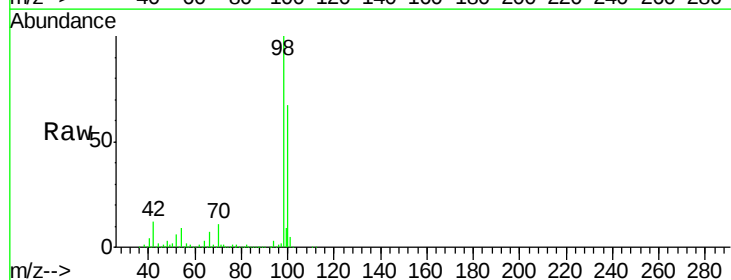
Instrument :
MSVOA_X
ClientSampleId :
M-14-180502

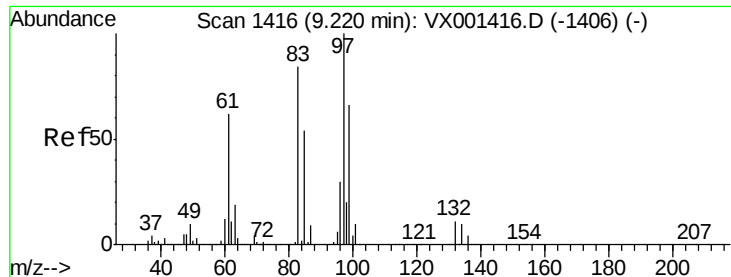
Tgt Ion: 98 Resp: 556172
Ion Ratio Lower Upper
98 100
100 66.0 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

Tgt Ion: 43 Resp: 2474
Ion Ratio Lower Upper
43 100
58 187.5 30.8 46.2#

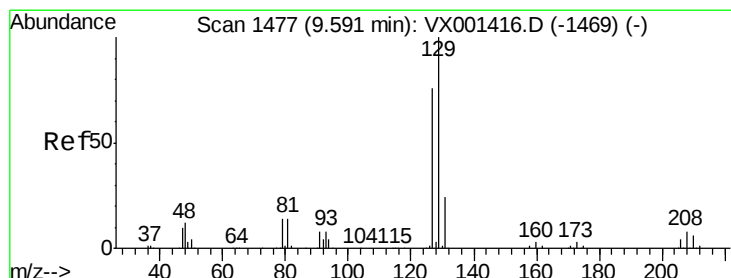
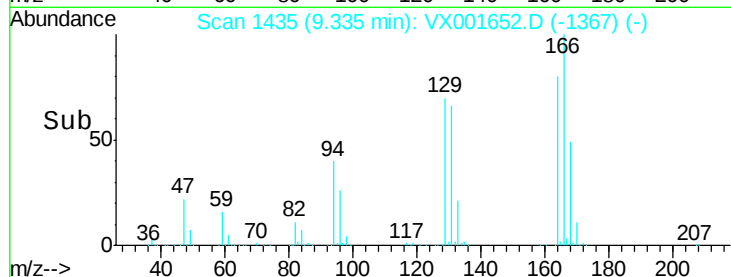
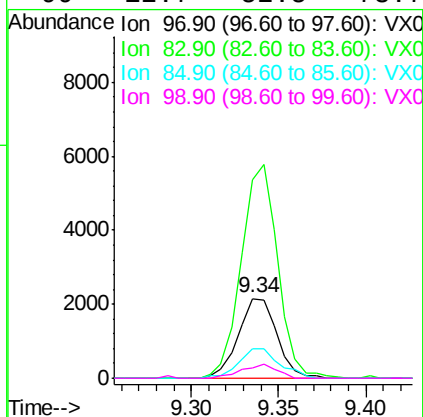
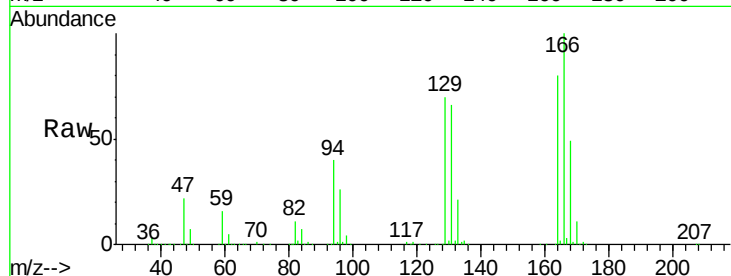




#55
 1,1,2-Trichloroethane
 Concen: 1.02 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. 0.12 min
 Lab File: VX001652.D
 Acq: 11 May 2018 21:02

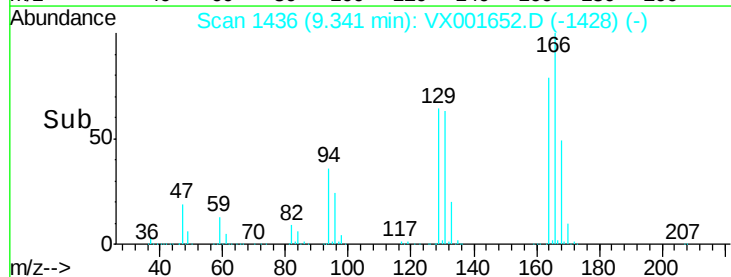
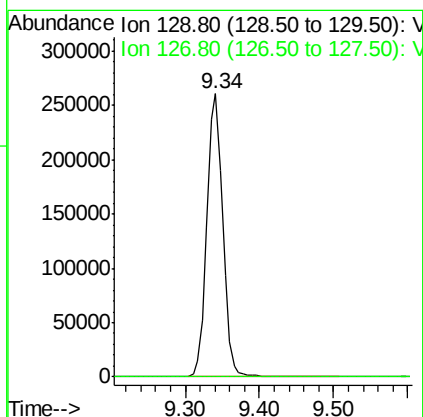
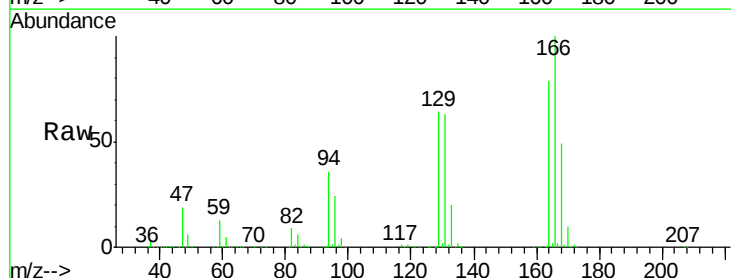
Instrument :
 MSVOA_X
 ClientSampleId :
 M-14-180502

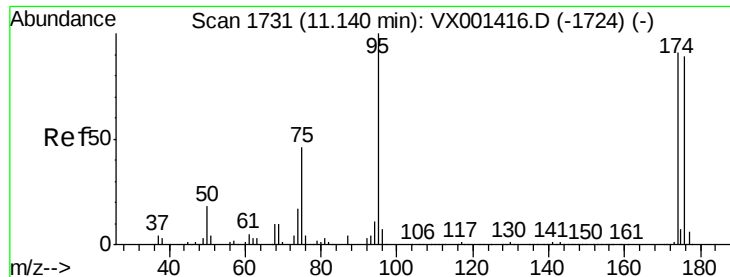
Tgt Ion: 97 Resp: 3321
 Ion Ratio Lower Upper
 97 100
 83 250.4 67.4 101.0#
 85 37.4 43.3 64.9#
 99 12.7 52.5 78.7#



#60
 Dibromochloromethane
 Concen: 114.66 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001652.D
 Acq: 11 May 2018 21:02

Tgt Ion: 129 Resp: 382265
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.1 114.5#

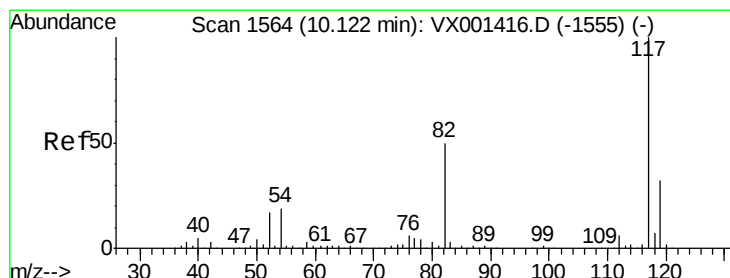
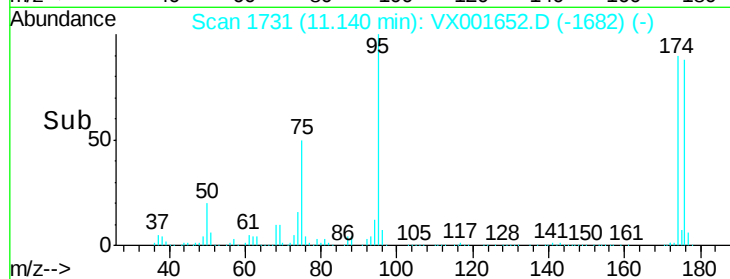
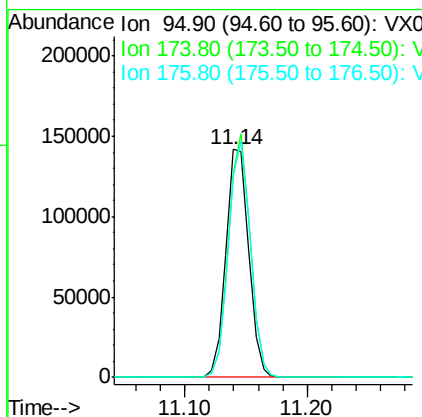
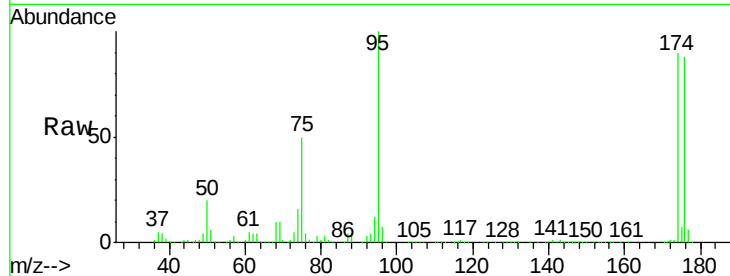




#62
4-Bromofluorobenzene
Concen: 44.13 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

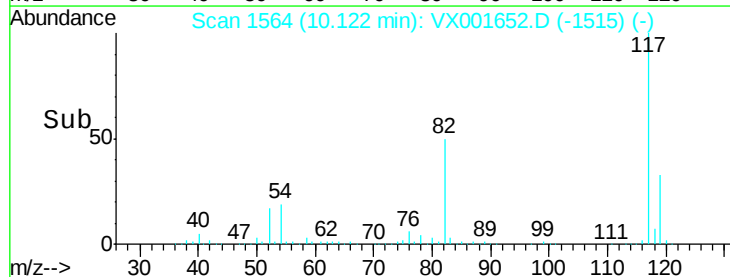
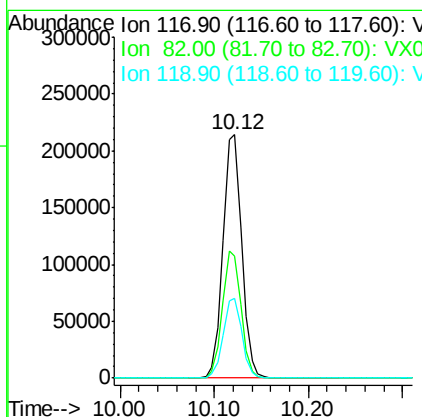
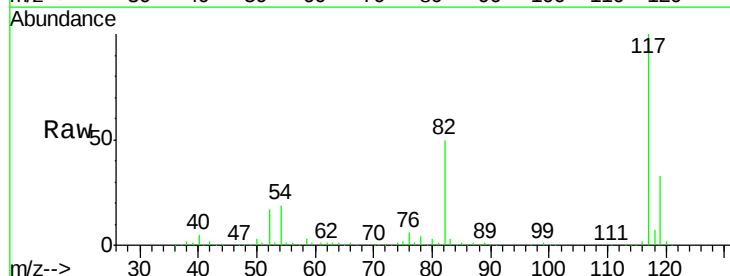
Instrument :
MSVOA_X
ClientSampleId :
M-14-180502

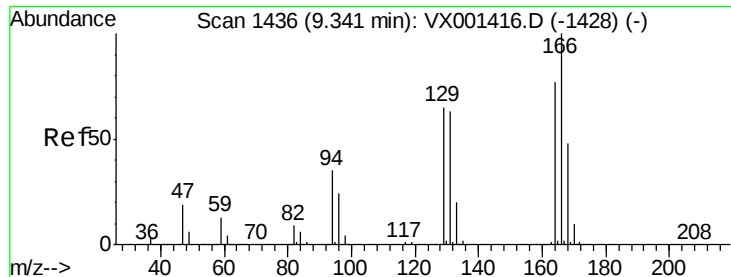
Tgt Ion: 95 Resp: 182940
Ion Ratio Lower Upper
95 100
174 101.2 0.0 202.0
176 98.8 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001652.D
Acq: 11 May 2018 21:02

Tgt Ion: 117 Resp: 297121
Ion Ratio Lower Upper
117 100
82 50.2 40.0 60.0
119 32.7 25.8 38.8





#64

Tetrachloroethene

Concen: 111.43 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

M-14-180502

Tgt Ion:164 Resp: 461492

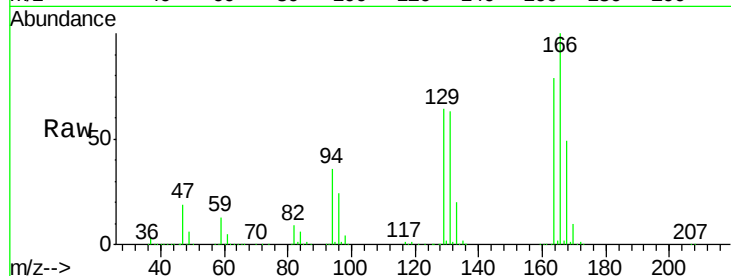
Ion Ratio Lower Upper

164 100

166 127.0 103.5 155.3

129 81.7 66.7 100.1

131 79.6 64.9 97.3

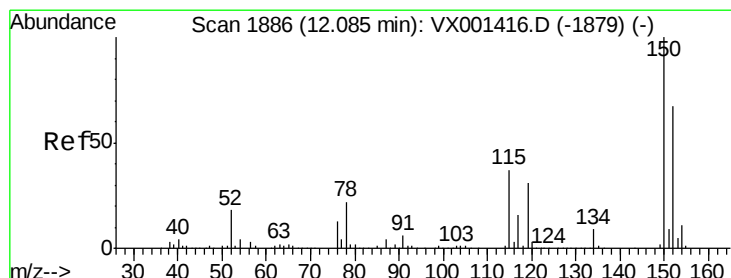
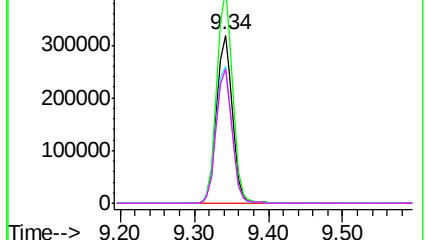
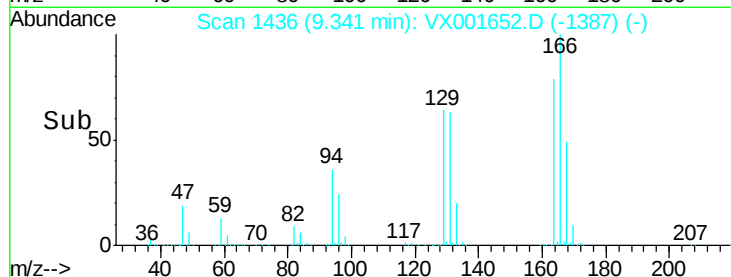


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

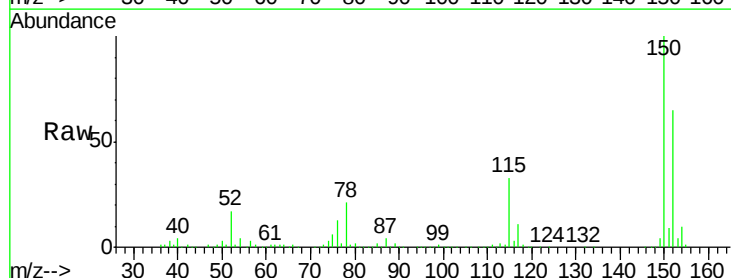
Tgt Ion:152 Resp: 158410

Ion Ratio Lower Upper

152 100

115 51.3 37.7 113.1

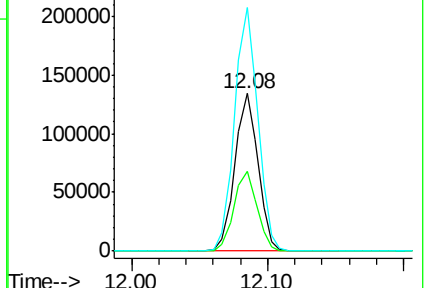
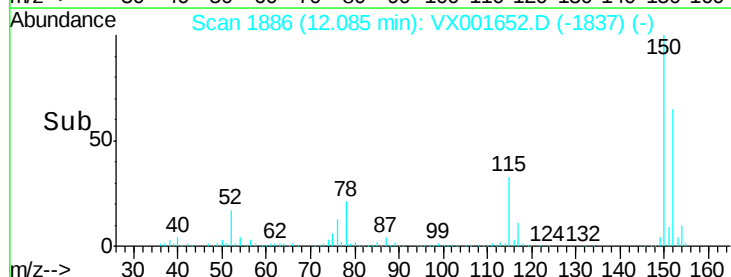
150 155.6 0.0 349.4

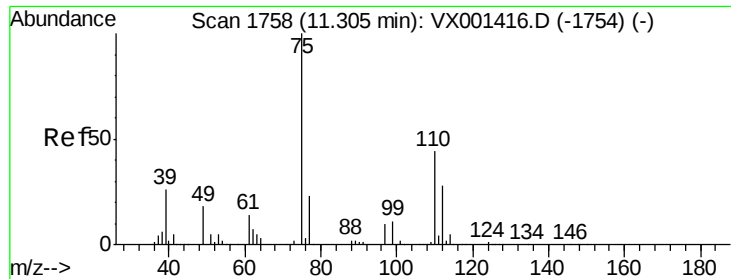


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

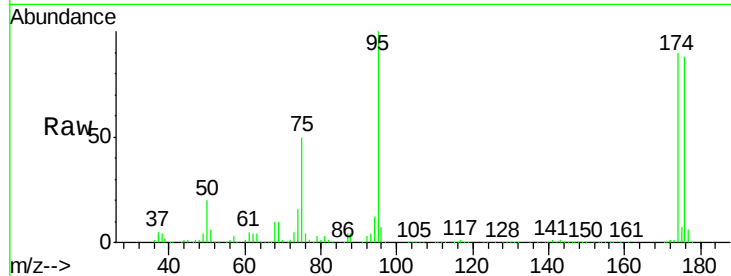
M-14-180502

Tgt Ion: 75 Resp: 89425

Ion Ratio Lower Upper

75 100

77 1.5 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

80000

60000

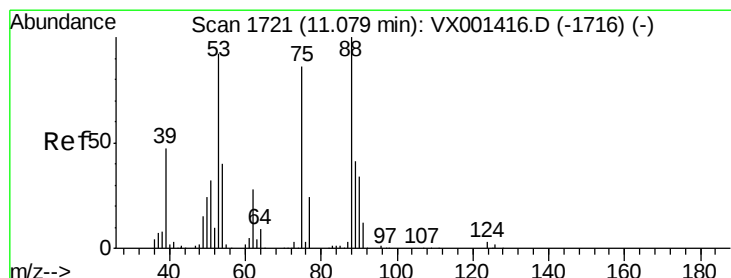
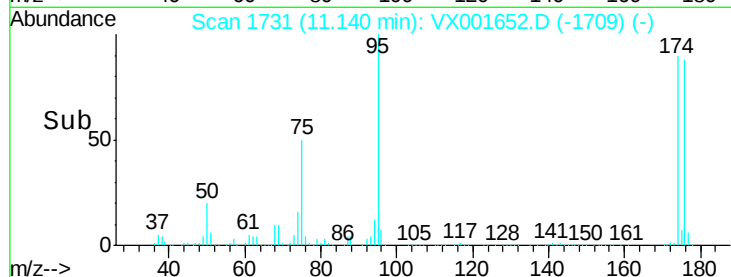
40000

20000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 85.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001652.D

Acq: 11 May 2018 21:02

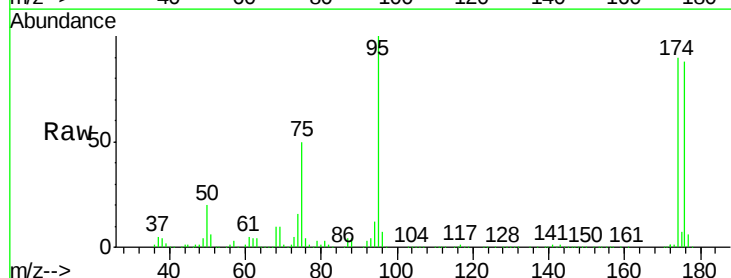
Tgt Ion: 75 Resp: 89425

Ion Ratio Lower Upper

75 100

53 0.1 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

11.14

80000

60000

40000

20000

0

Time-->

11.10 11.15 11.20

