

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000952.D
 Acq On : 17 Apr 2018 06:15
 Operator : JC/MD
 Sample : J2349-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 07:57:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	364812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	222516	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	162929	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	5.51	113	127311	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
50) Toluene-d8	8.72	98	509053	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	11.14	95	197583	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

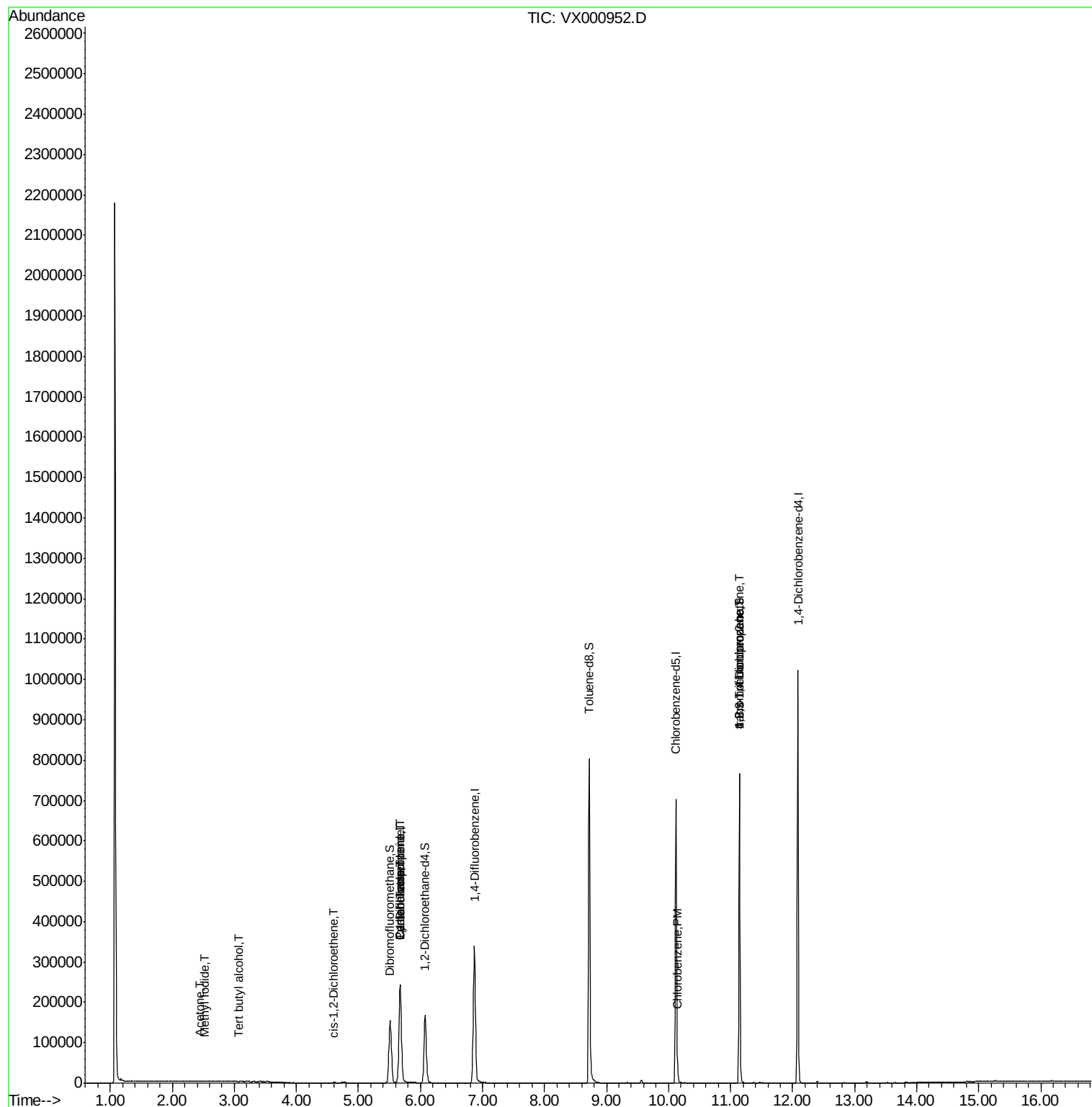
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	50	Below Cal	#	2
10) Methyl Iodide	2.52	142	57	8.254	ug/l #	42
11) Tert butyl alcohol	3.06	59	169	0.284	ug/l #	1
16) Acetone	2.45	43	1501	1.297	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	736	0.241	ug/l	62
31) Cyclohexane	5.67	56	4619	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16032	3.990	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22232	4.944	ug/l #	15
65) Chlorobenzene	10.15	112	8472	0.995	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	98255	25.604	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	98255	70.430	ug/l #	11

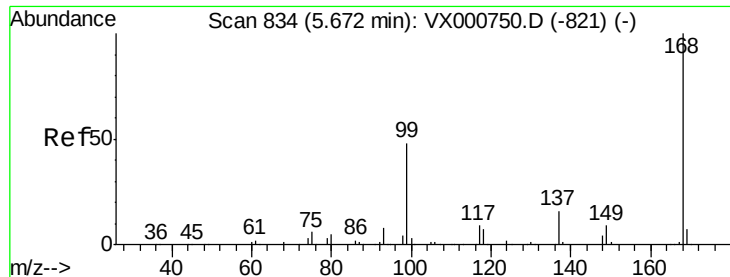
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000952.D

Acq: 17 Apr 2018 06:15

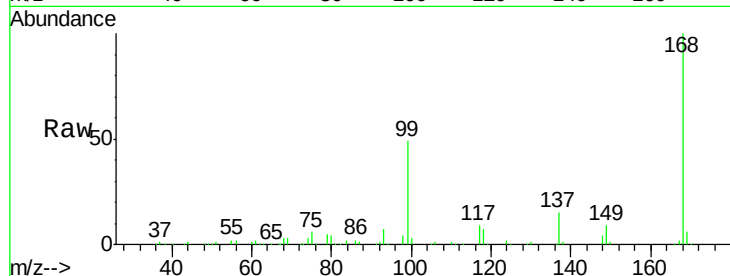
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 266165

Ion Ratio Lower Upper

168 100

99 48.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

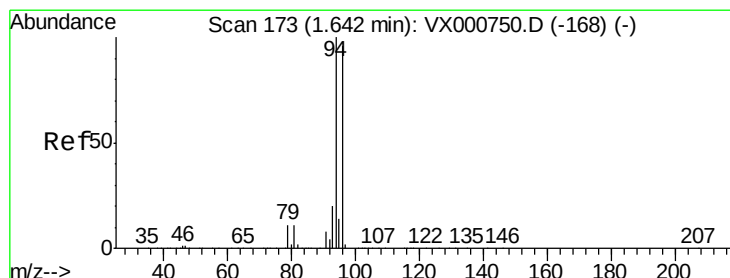
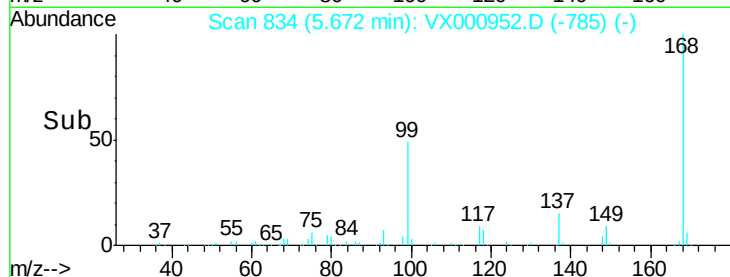
40000

20000

0

Time-->

5.60 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX000952.D

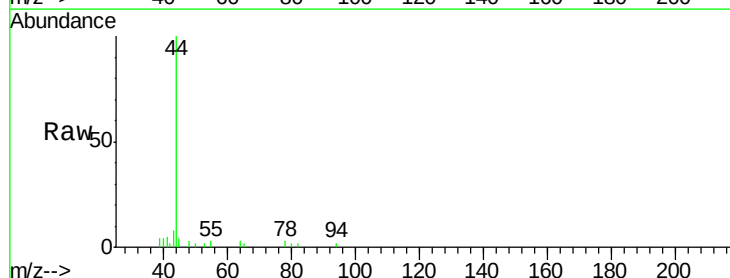
Acq: 17 Apr 2018 06:15

Tgt Ion: 94 Resp: 50

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

80

60

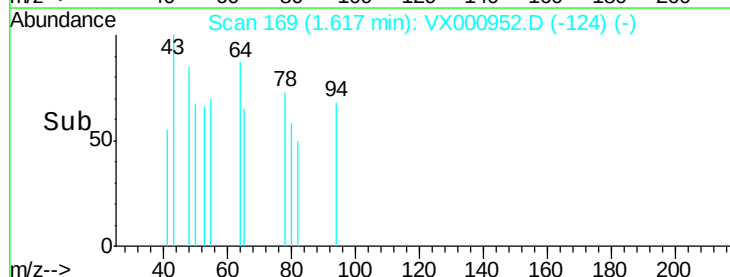
40

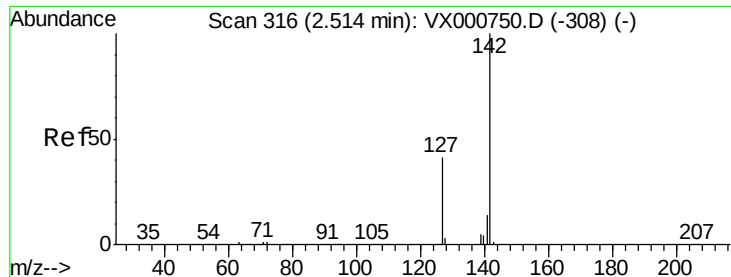
20

0

Time-->

1.60 1.61 1.62 1.63 1.64

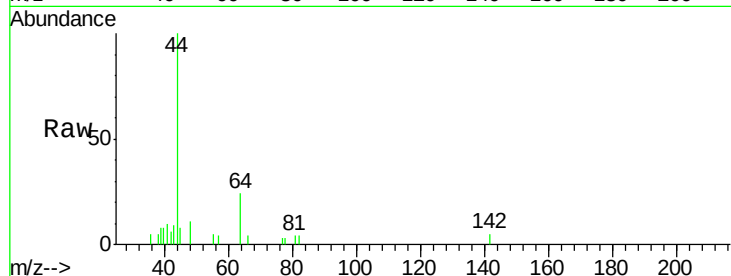




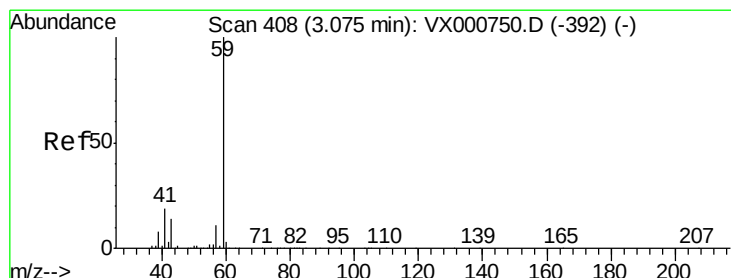
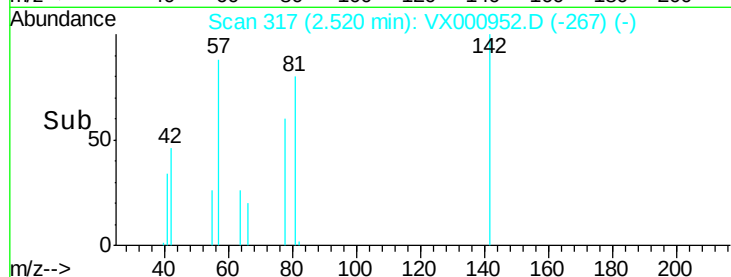
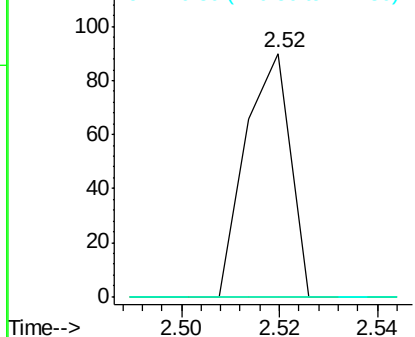
#10
Methyl Iodide
Concen: 8.254 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000952.D
Acq: 17 Apr 2018 06:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.6	49.0#
141	0.0	11.5	17.3#

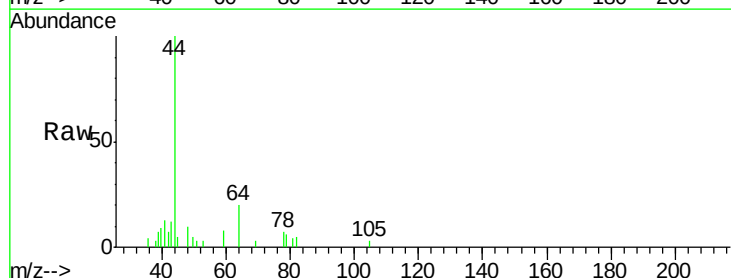


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

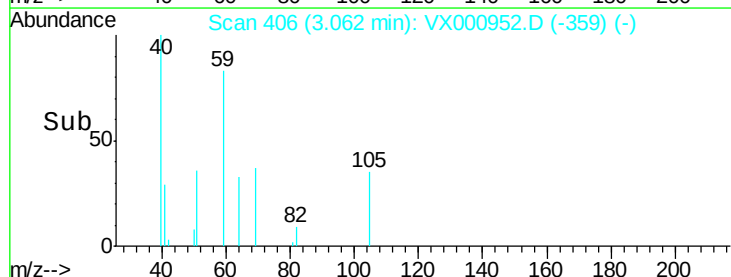
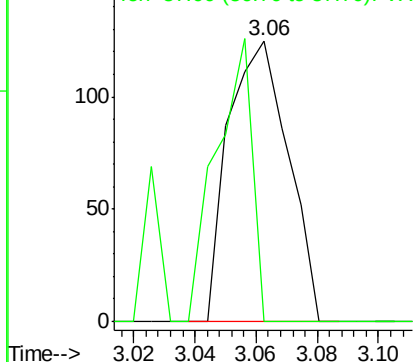


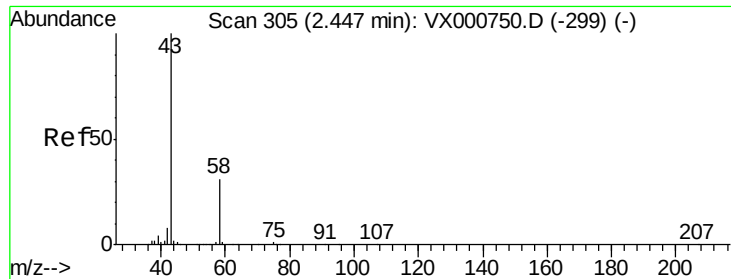
#11
Tert butyl alcohol
Concen: 0.284 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000952.D
Acq: 17 Apr 2018 06:15

Tgt Ion	Ratio	Lower	Upper
59	100		
57	60.4	8.4	12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.297 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000952.D

Acq: 17 Apr 2018 06:15

Instrument :

MSVOA_X

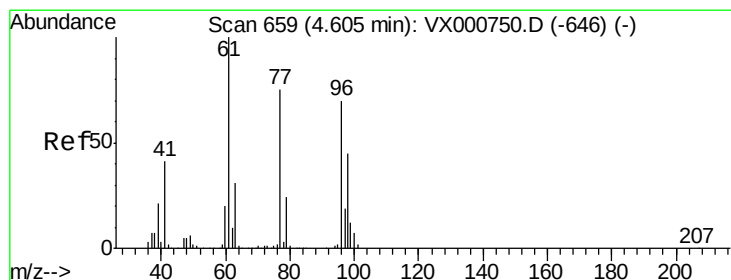
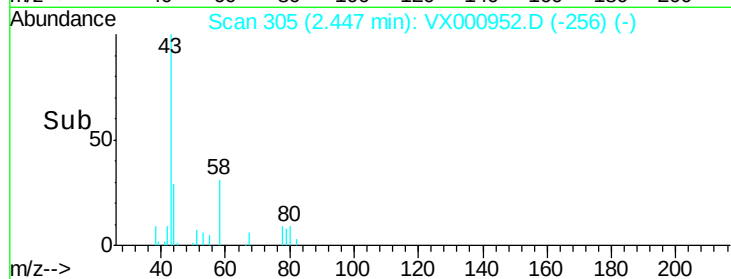
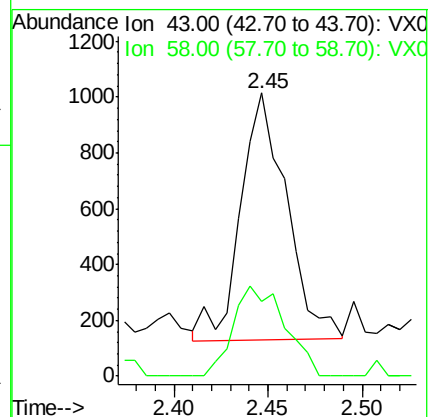
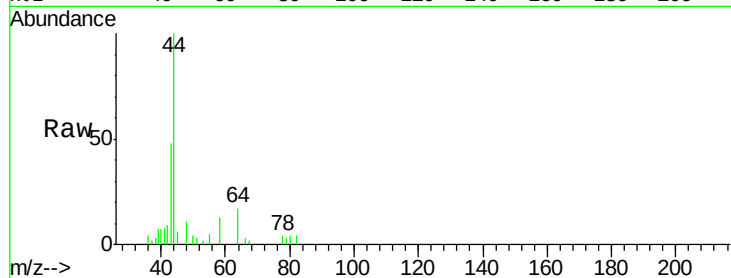
ClientSampled :

Tot Ion: 43 Resp: 1501

Ion Ratio Lower Upper

43 100

58 30.5 24.6 37.0



#27

cis-1,2-Dichloroethene

Concen: 0.241 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000952.D

Acq: 17 Apr 2018 06:15

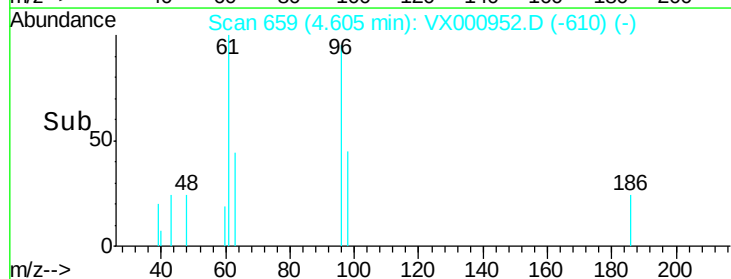
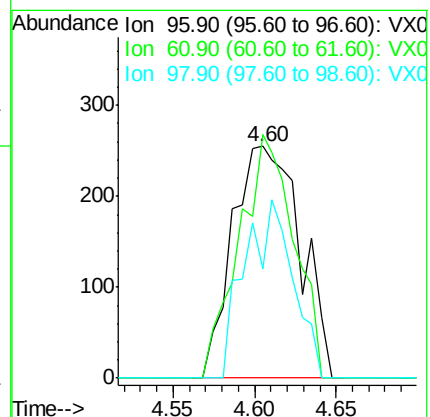
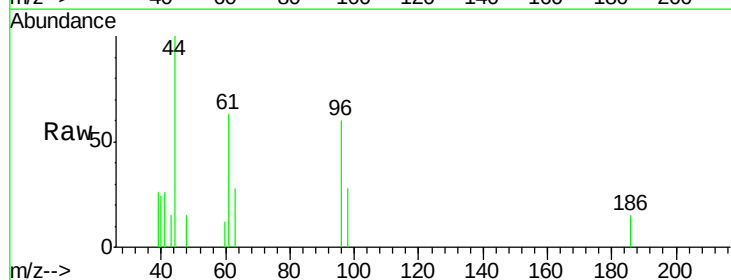
Tgt Ion: 96 Resp: 736

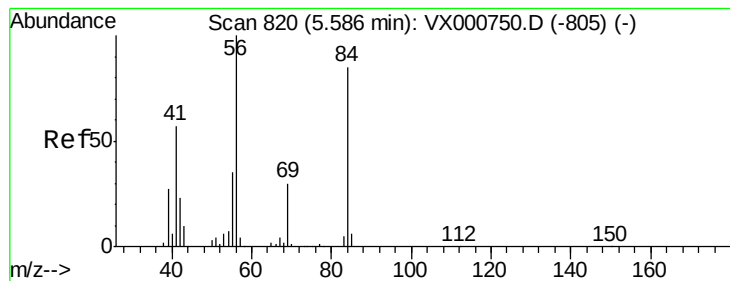
Ion Ratio Lower Upper

96 100

61 85.3 0.0 292.4

98 54.8 0.0 130.2





#31

Cyclohexane

Concen: 1.044 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000952.D

Acq: 17 Apr 2018 06:15

Instrument :
MSVOA_X
ClientSampleId :

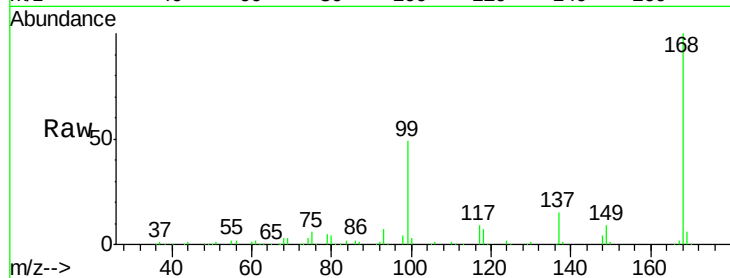
Tot Ion: 56 Resp: 4619

Ion Ratio Lower Upper

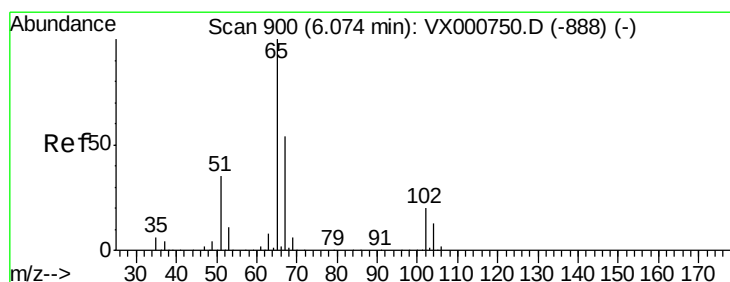
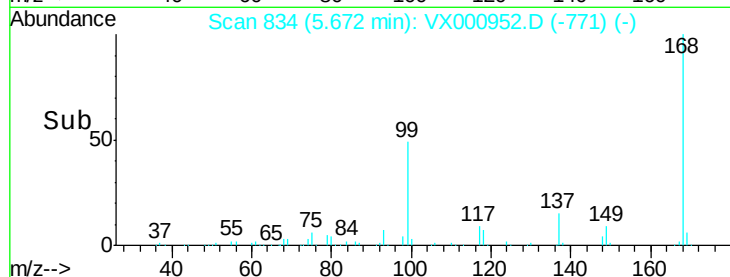
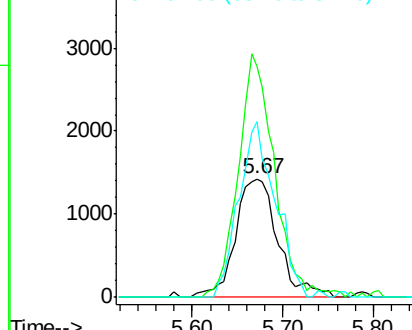
56 100

69 194.1 24.2 36.4#

84 148.4 67.6 101.4#



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



#33

1,2-Dichloroethane-d4

Concen: 48.548 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000952.D

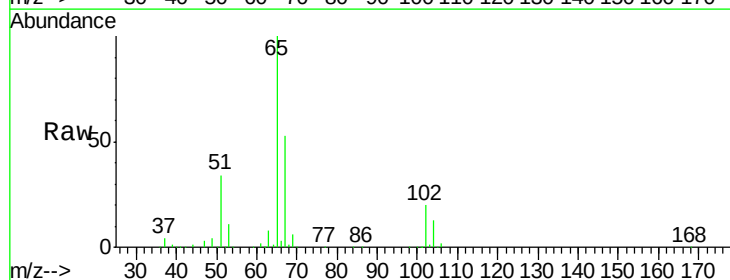
Acq: 17 Apr 2018 06:15

Tgt Ion: 65 Resp: 162929

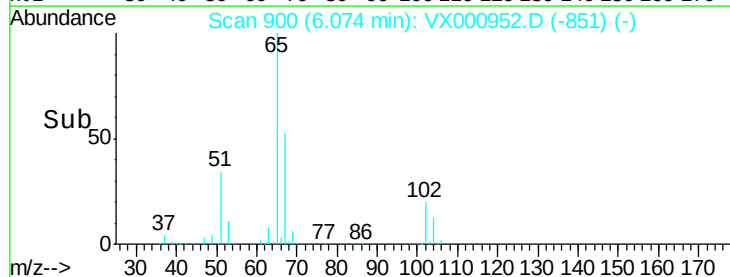
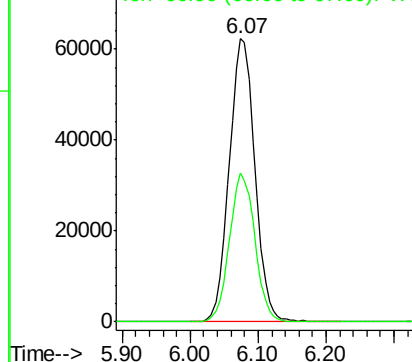
Ion Ratio Lower Upper

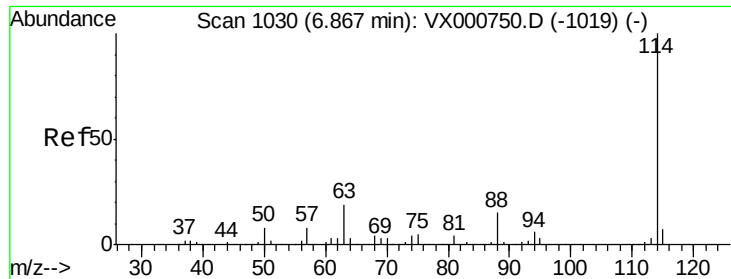
65 100

67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

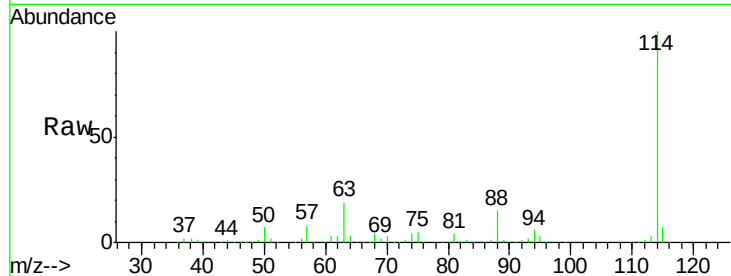




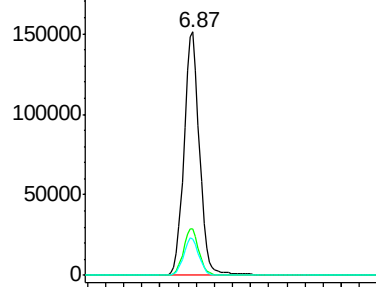
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VX000952.D
Acq: 17 Apr 2018 06:15

Instrument :
MSVOA_X
ClientSampleId :

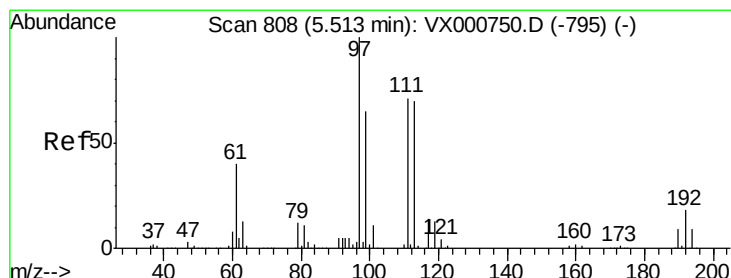
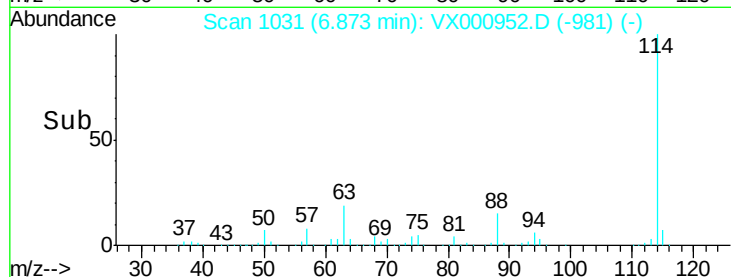
Tot Ion:114 Resp: 364812
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 15.1 0.0 31.0



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

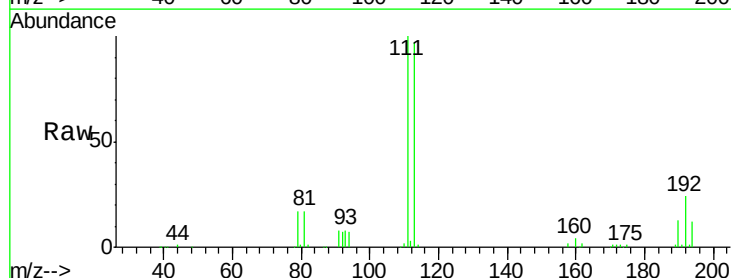


Time-->

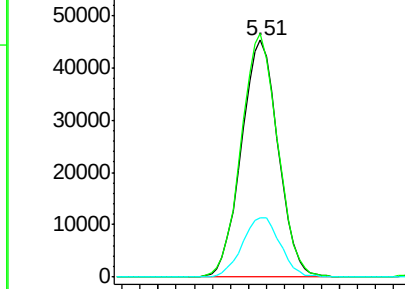


#35
Dibromofluoromethane
Concen: 45.296 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000952.D
Acq: 17 Apr 2018 06:15

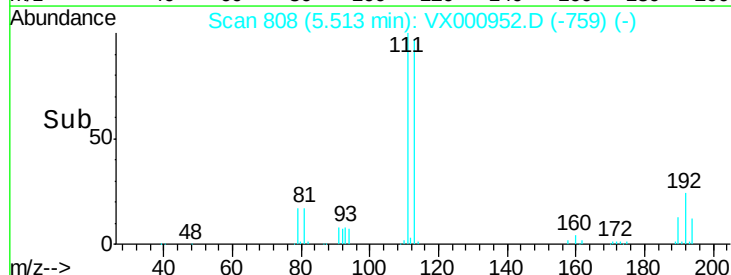
Tgt Ion:113 Resp: 127311
Ion Ratio Lower Upper
113 100
111 102.2 81.5 122.3
192 25.9 20.4 30.6

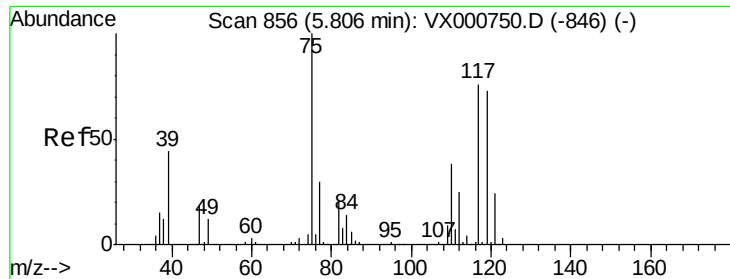


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time-->

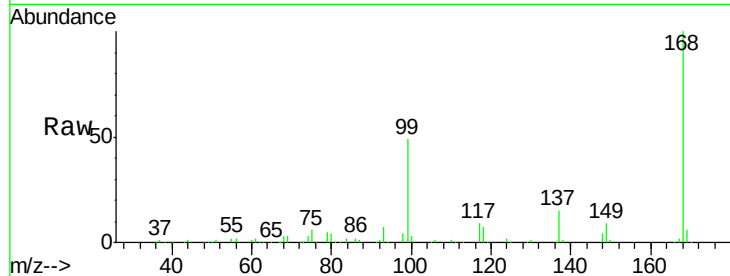




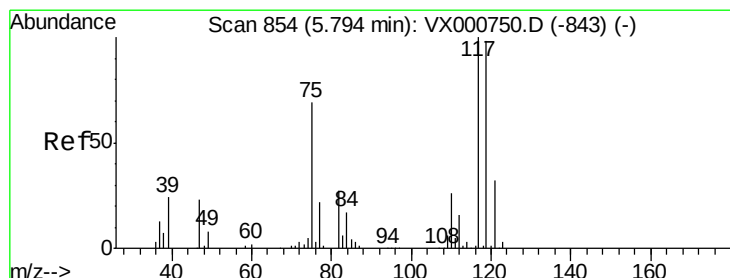
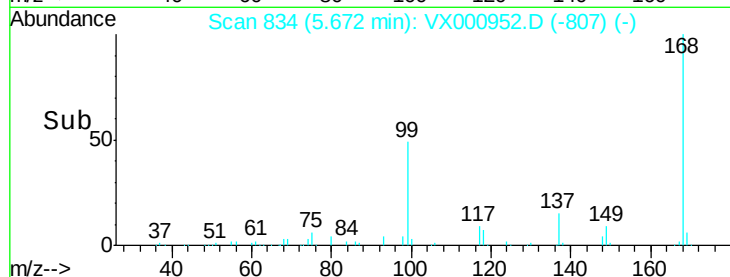
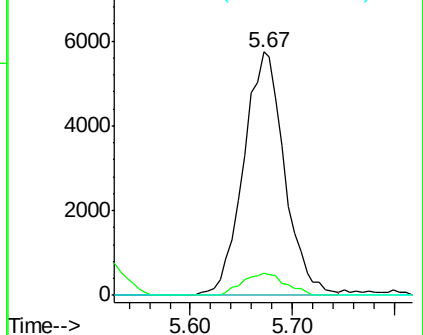
#36
 1,1-Dichloropropene
 Concen: 3.990 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000952.D
 Acq: 17 Apr 2018 06:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	16032
Ion Ratio	100	Lower	Upper
75	100		
110	9.5	19.2	57.6#
77	0.0	25.4	38.2#

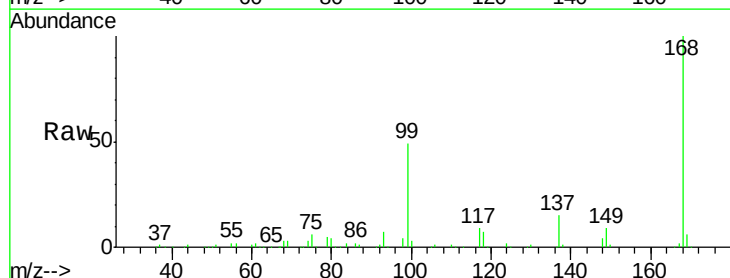


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

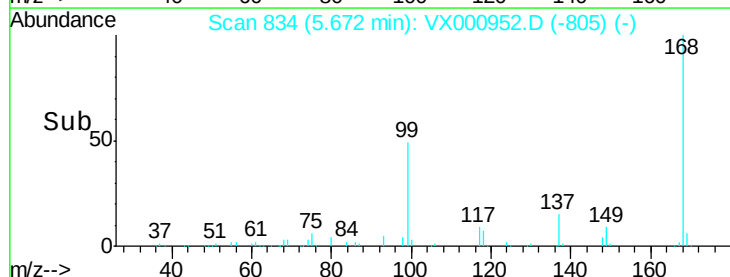
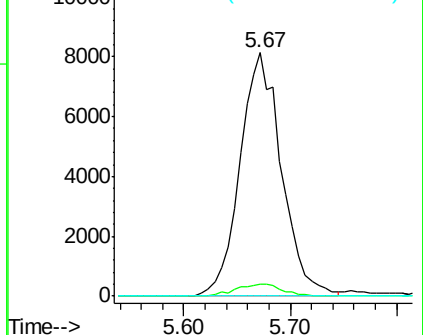


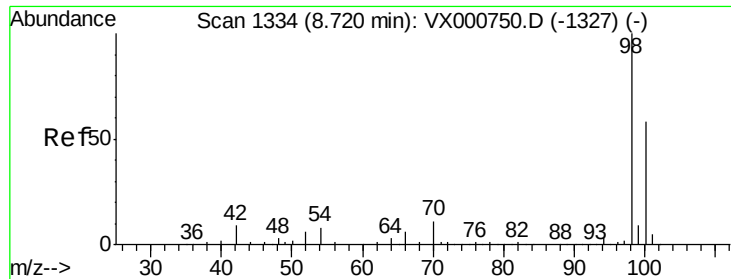
#38
 Carbon Tetrachloride
 Concen: 4.944 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000952.D
 Acq: 17 Apr 2018 06:15

Tgt Ion	117	Resp	22232
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.9	78.4	117.6#
121	0.0	25.4	38.0#



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

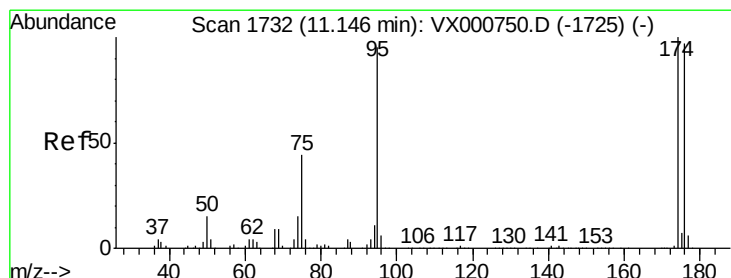
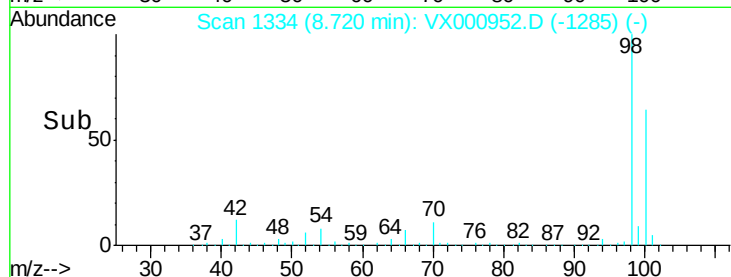
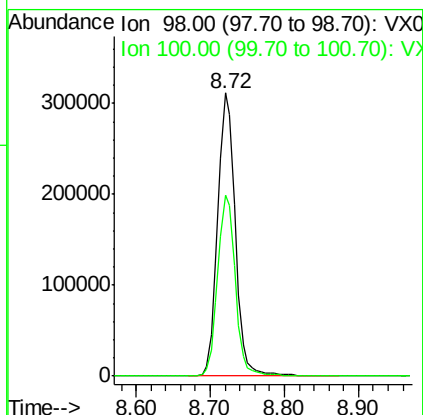
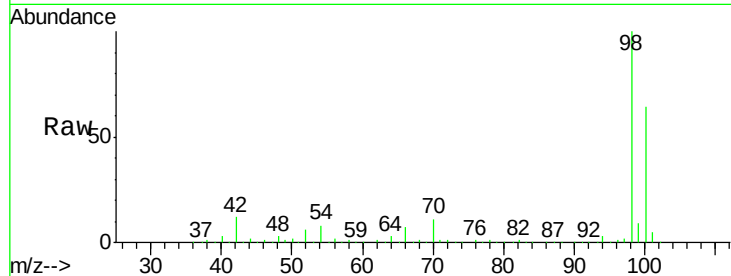




#50
Toluene-d8
Concen: 48.643 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000952.D
Acq: 17 Apr 2018 06:15

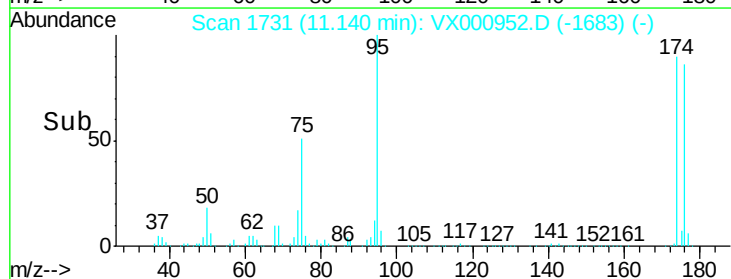
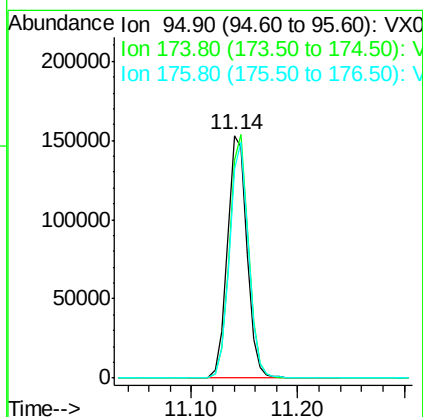
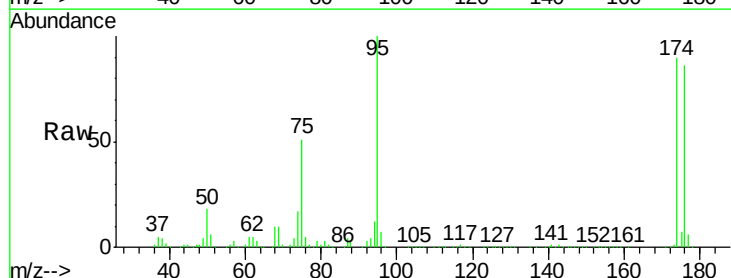
Instrument :
MSVOA_X
ClientSampleId :

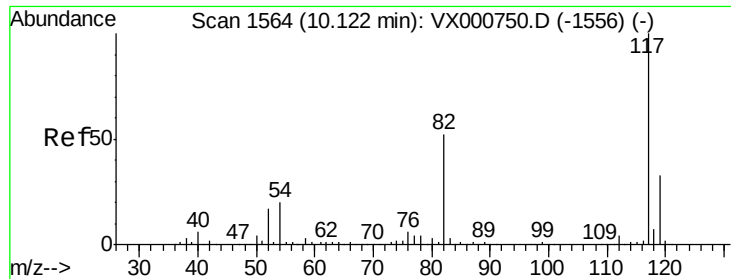
Tot Ion: 98 Resp: 509053
Ion Ratio Lower Upper
98 100
100 64.5 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 45.634 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000952.D
Acq: 17 Apr 2018 06:15

Tgt Ion: 95 Resp: 197583
Ion Ratio Lower Upper
95 100
174 97.7 0.0 198.4
176 94.7 0.0 194.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX000952.D

Acq: 17 Apr 2018 06:15

Instrument :

MSVOA_X

ClientSampleId :

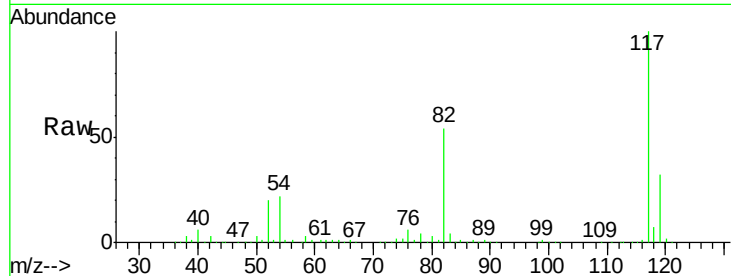
Tot Ion:117 Resp: 338505

Ion Ratio Lower Upper

117 100

82 54.2 41.9 62.9

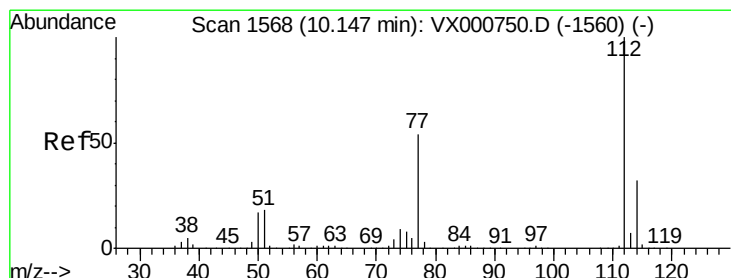
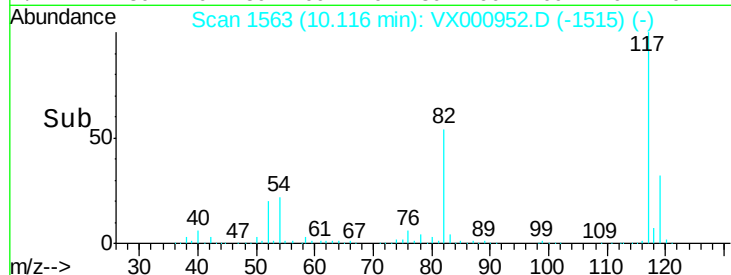
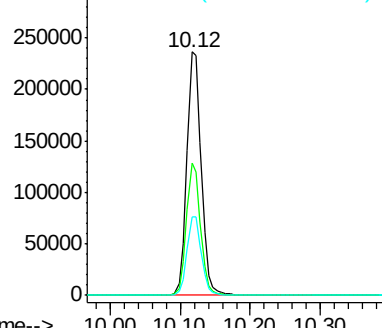
119 32.5 26.0 39.0



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



#65

Chlorobenzene

Concen: 0.995 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000952.D

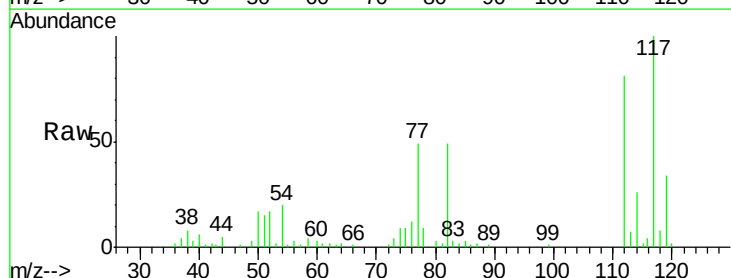
Acq: 17 Apr 2018 06:15

Tgt Ion:112 Resp: 8472

Ion Ratio Lower Upper

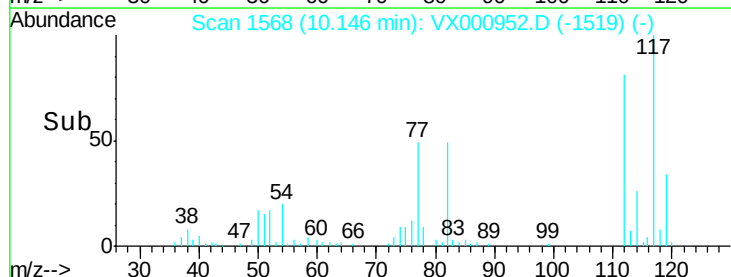
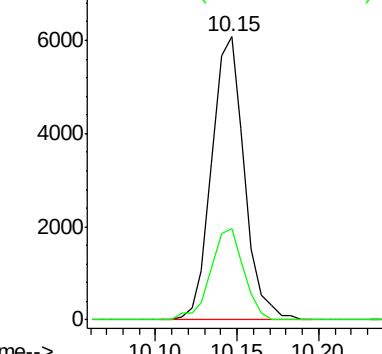
112 100

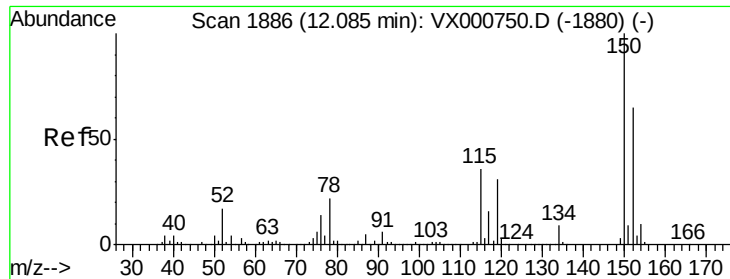
114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000952.D

Acq: 17 Apr 2018 06:15

Instrument :

MSVOA_X

ClientSampled :

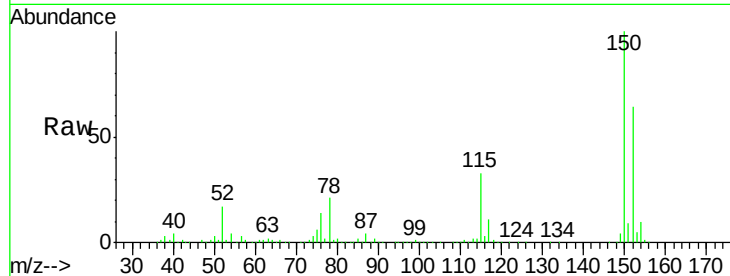
Tot Ion:152 Resp: 222516

Ion Ratio Lower Upper

152 100

115 53.3 37.9 113.7

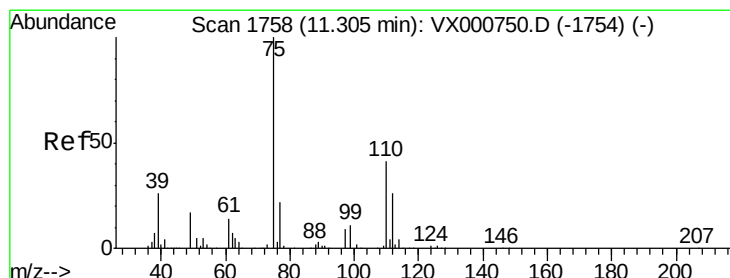
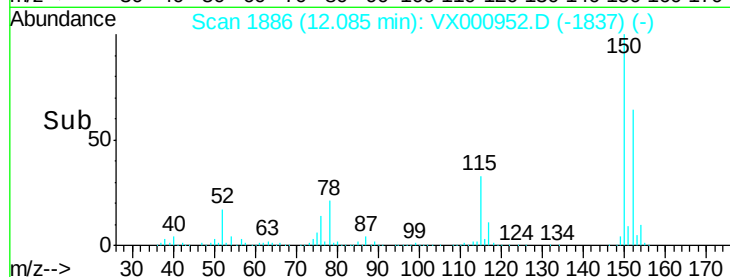
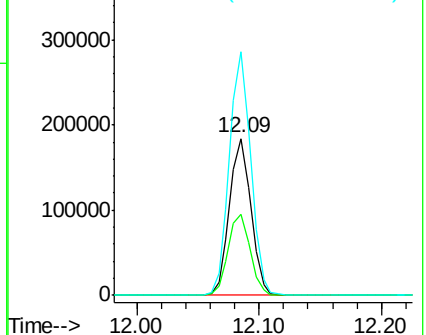
150 154.8 0.0 348.0



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: 25.604 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000952.D

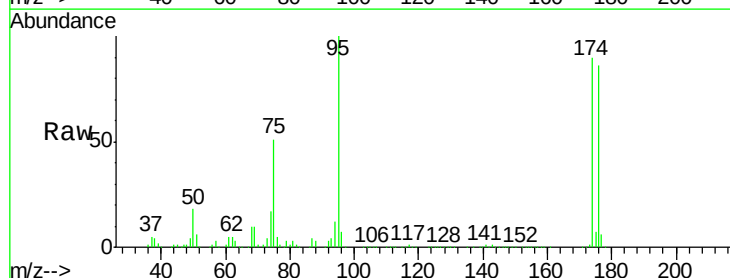
Acq: 17 Apr 2018 06:15

Tgt Ion: 75 Resp: 98255

Ion Ratio Lower Upper

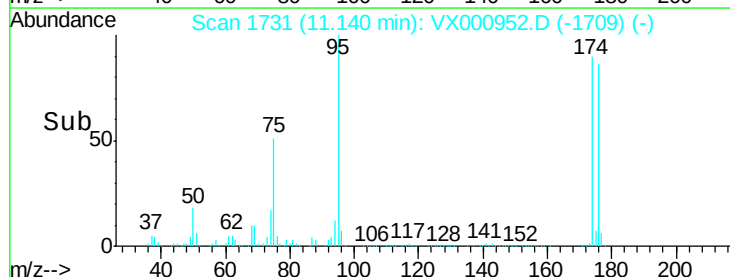
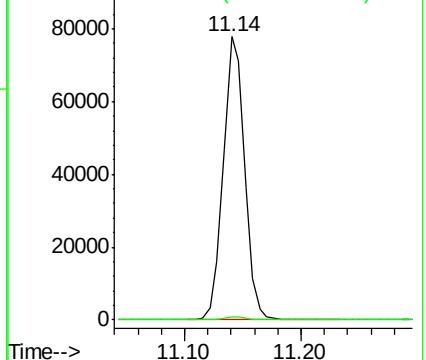
75 100

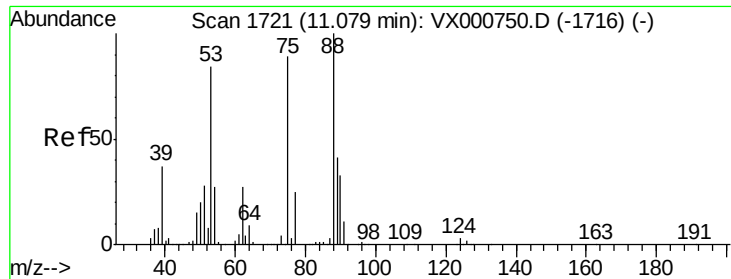
77 1.1 20.5 61.5#



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: 70.430 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000952.D
 Acq: 17 Apr 2018 06:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 98255
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

