

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041118\
 Data File : VX000792.D
 Acq On : 11 Apr 2018 21:02
 Operator : JC/MD
 Sample : J2161-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-02-041018-B

Quant Time: Apr 12 07:09:06 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	5.68	168	312529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	431567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	404521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243172	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	155875	39.56	ug/l	0.00
Spiked Amount			Recovery	=	79.12%	
35) Dibromofluoromethane	5.51	113	132954	39.99	ug/l	0.00
Spiked Amount			Recovery	=	79.98%	
50) Toluene-d8	8.73	98	494274	39.92	ug/l	0.00
Spiked Amount			Recovery	=	79.84%	
62) 4-Bromofluorobenzene	11.15	95	203893	39.81	ug/l	0.00
Spiked Amount			Recovery	=	79.62%	

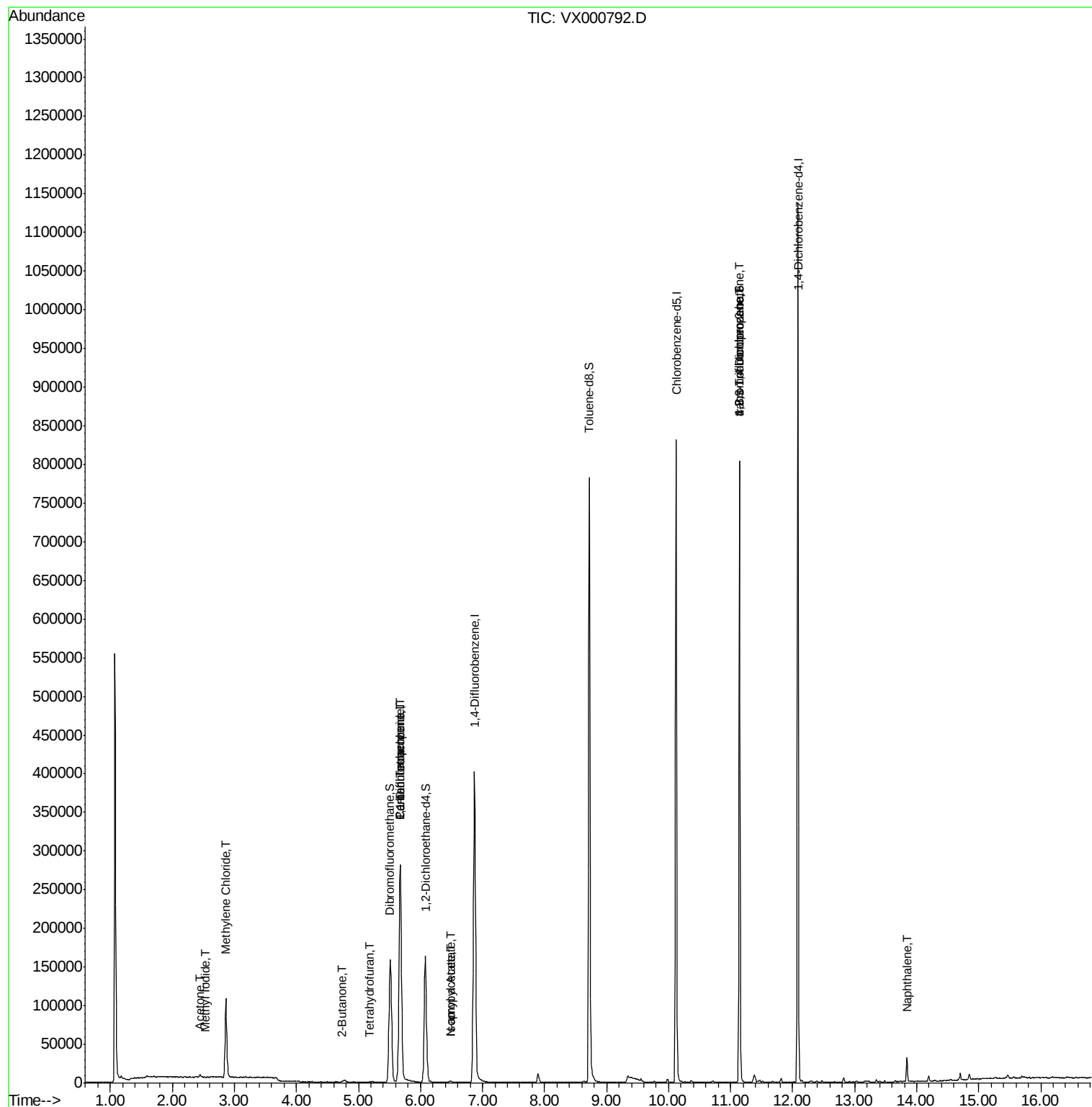
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	461	Below Cal	#	62
10) Methyl Iodide	2.53	142	30	8.24	ug/l #	42
16) Acetone	2.45	43	4091	3.01	ug/l	99
20) Methylene Chloride	2.87	84	49335	15.61	ug/l	94
25) 2-Butanone	4.72	43	1052	0.47	ug/l	94
29) Tetrahydrofuran	5.18	42	594	0.42	ug/l #	49
36) 1,1-Dichloropropene	5.67	75	18763	3.95	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26521	4.99	ug/l #	15
43) Isopropyl Acetate	6.48	43	2481	0.31	ug/l #	94
74) N-amyl acetate	6.48	43	2481	0.36	ug/l #	95
76) 1,2,3-Trichloropropane	11.14	75	98646	23.52	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	98646	64.70	ug/l #	11
95) Naphthalene	13.84	128	19116	1.08	ug/l	99

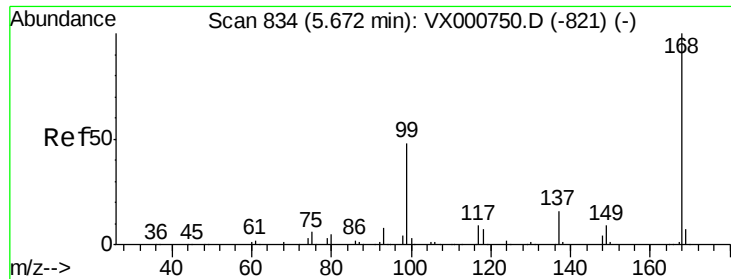
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

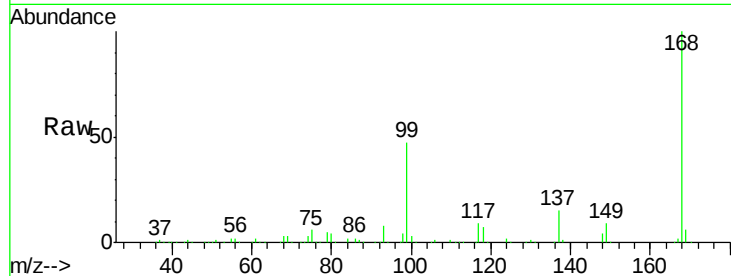
OR-02-041018-B

Tgt Ion:168 Resp: 312529

Ion Ratio Lower Upper

168 100

99 46.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

120000

100000

80000

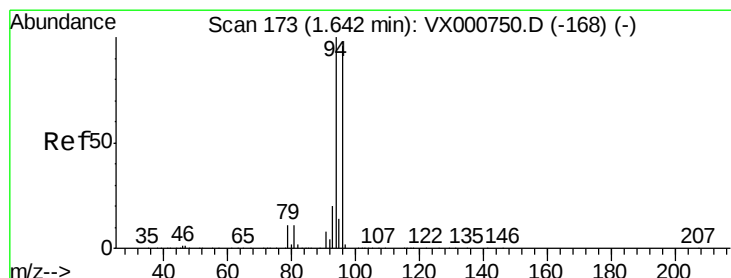
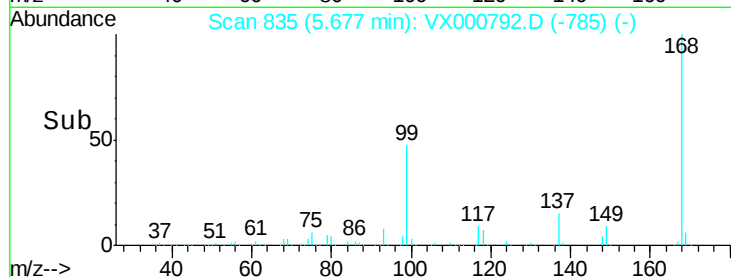
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000792.D

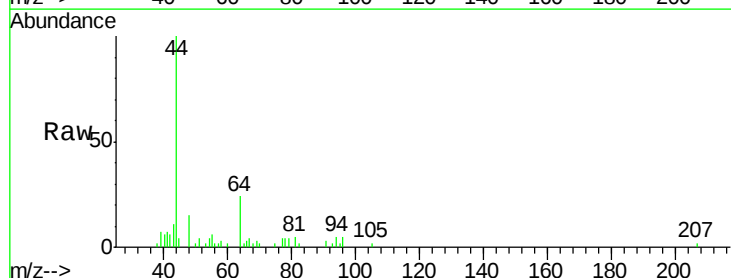
Acq: 11 Apr 2018 21:02

Tgt Ion: 94 Resp: 461

Ion Ratio Lower Upper

94 100

96 59.5 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

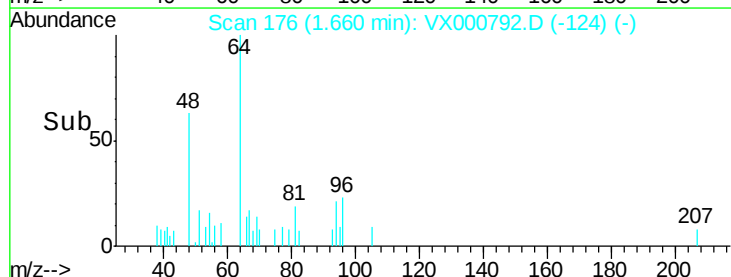
150

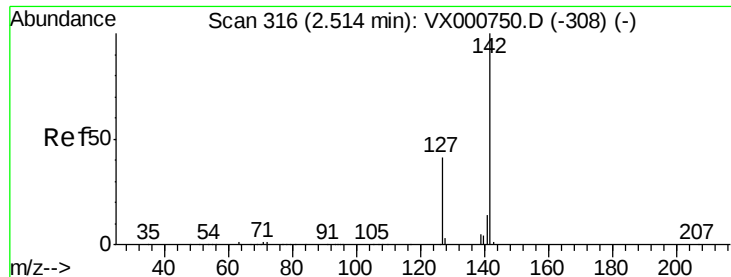
100

50

0

Time-->

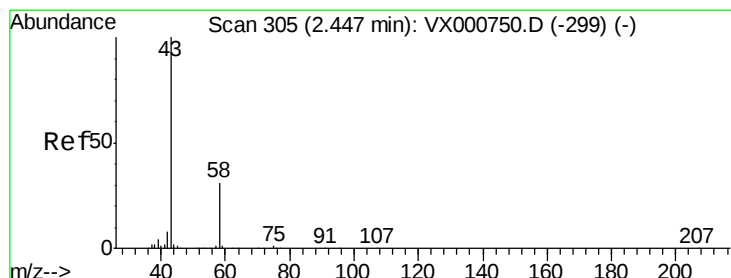
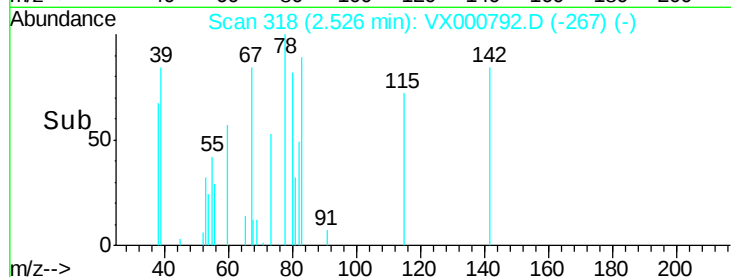
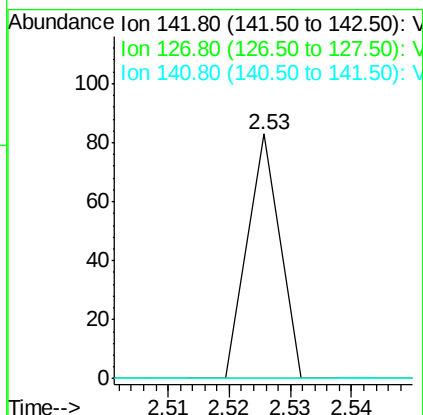
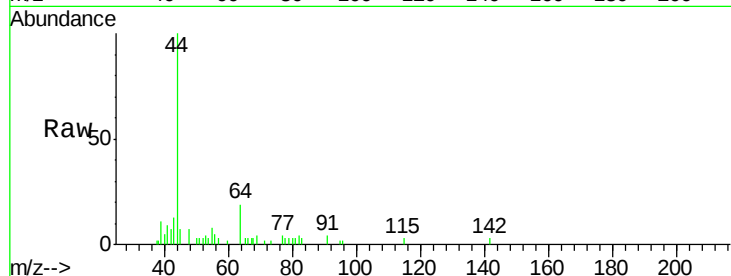




#10
Methyl Iodide
Concen: 8.24 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000792.D
Acq: 11 Apr 2018 21:02

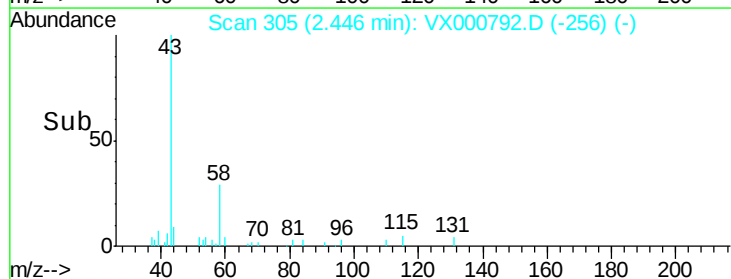
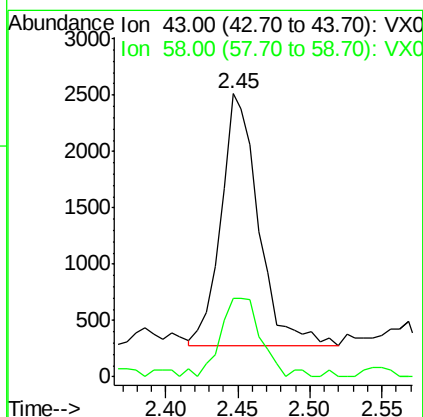
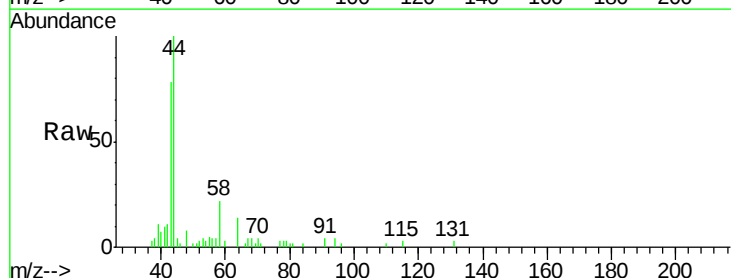
Instrument :
MSVOA_X
ClientSampleId :
OR-02-041018-B

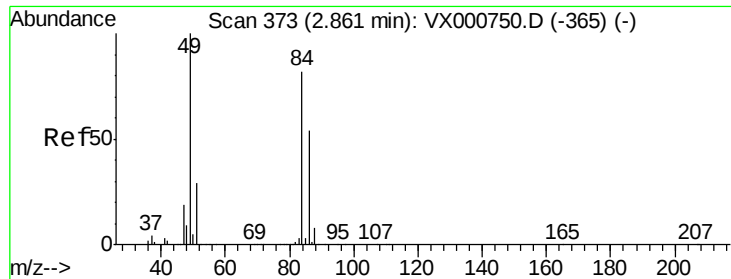
Tgt Ion:142 Resp: 30
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 3.01 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX000792.D
Acq: 11 Apr 2018 21:02

Tgt Ion: 43 Resp: 4091
Ion Ratio Lower Upper
43 100
58 31.1 24.6 37.0

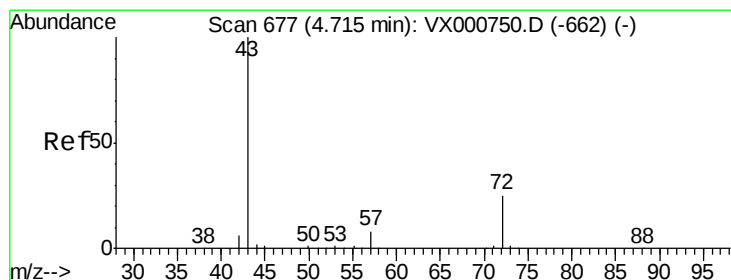
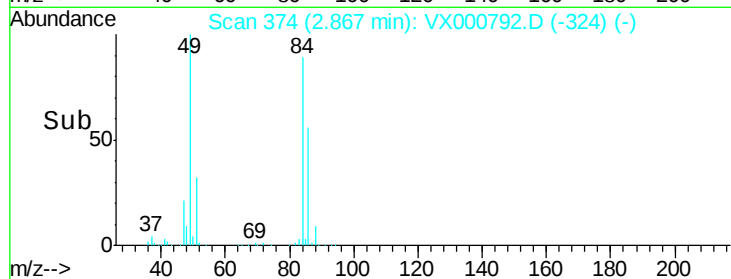
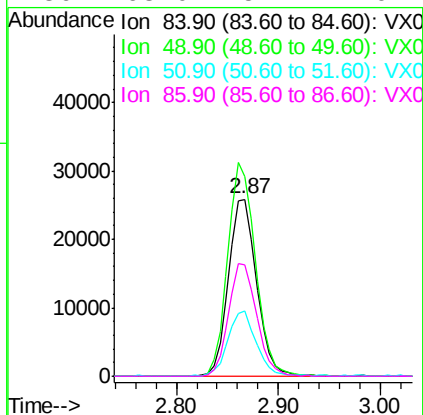
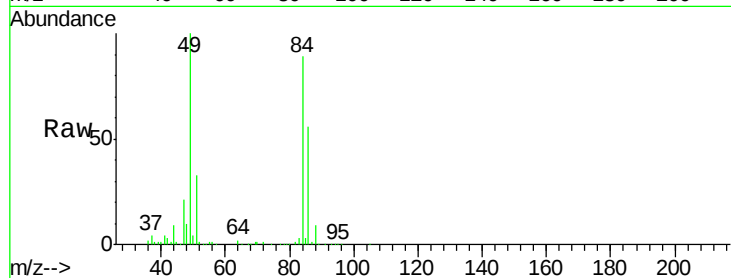




#20
Methylene Chloride
Concen: 15.61 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000792.D
Acq: 11 Apr 2018 21:02

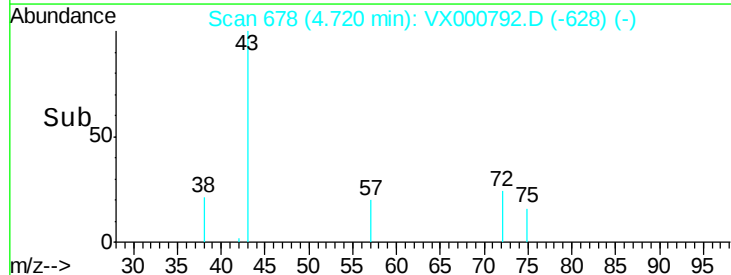
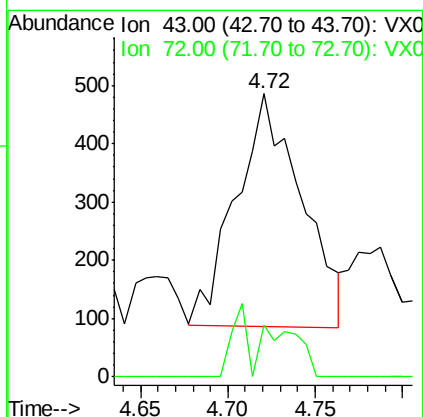
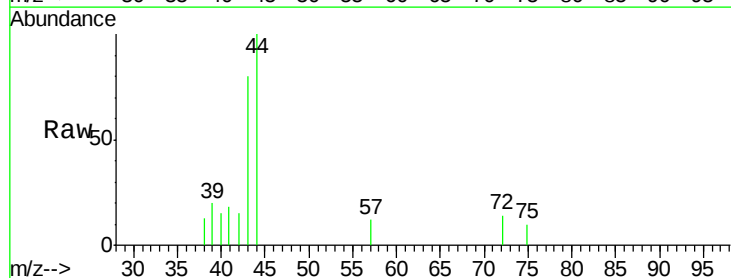
Instrument :
MSVOA_X
ClientSampleId :
OR-02-041018-B

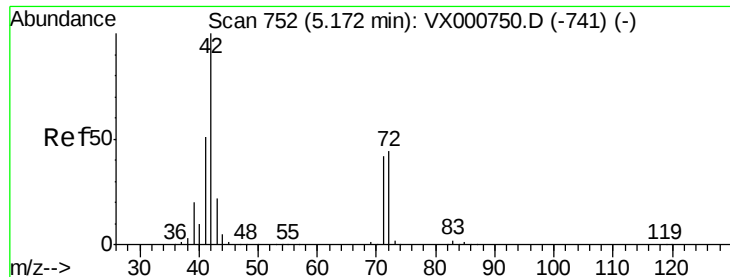
Tgt Ion:	84	Resp:	49335
Ion	Ratio	Lower	Upper
84	100		
49	112.9	98.1	147.1
51	36.8	28.9	43.3
86	63.0	52.7	79.1



#25
2-Butanone
Concen: 0.47 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX000792.D
Acq: 11 Apr 2018 21:02

Tgt Ion:	43	Resp:	1052
Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.3	30.5





#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

OR-02-041018-B

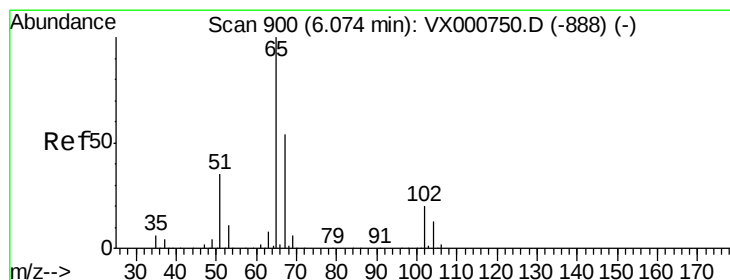
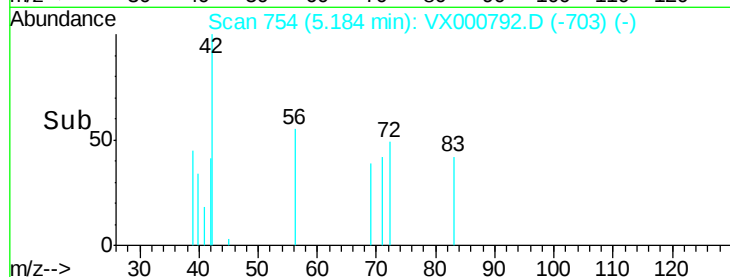
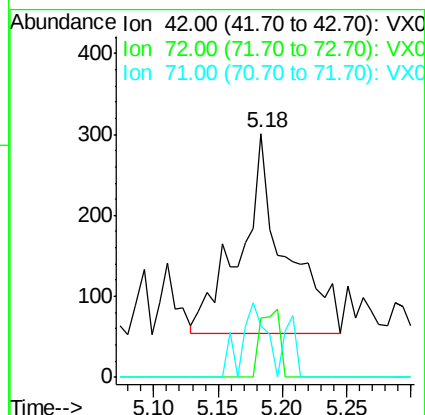
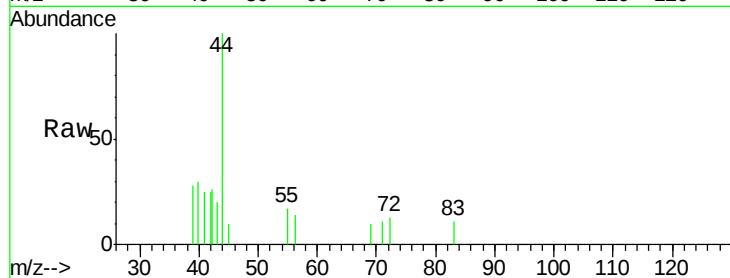
Tgt Ion: 42 Resp: 594

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 20.2 32.8 49.2#



#33

1,2-Dichloroethane-d4

Concen: 39.56 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000792.D

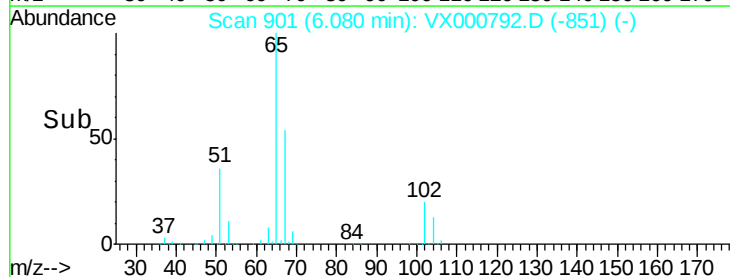
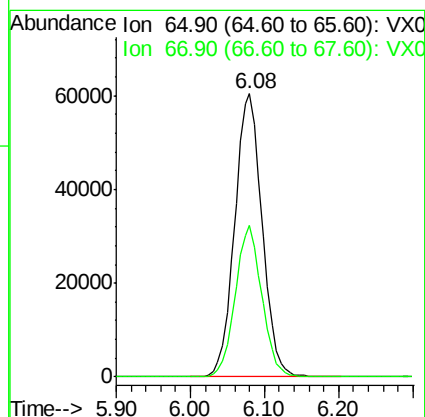
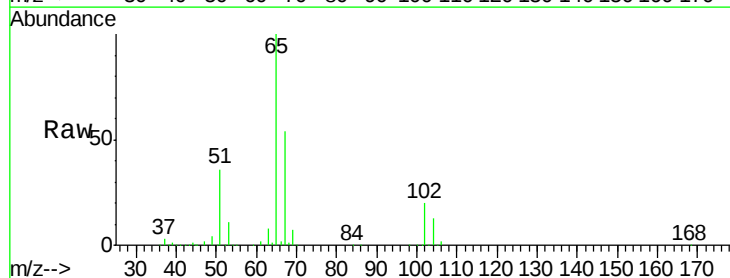
Acq: 11 Apr 2018 21:02

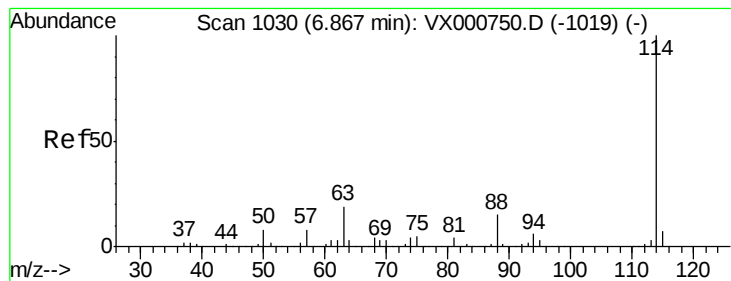
Tgt Ion: 65 Resp: 155875

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

OR-02-041018-B

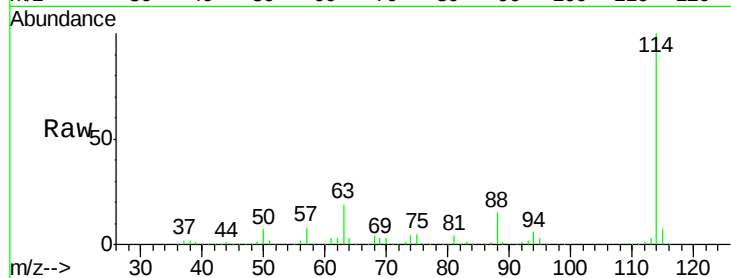
Tgt Ion:114 Resp: 431567

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

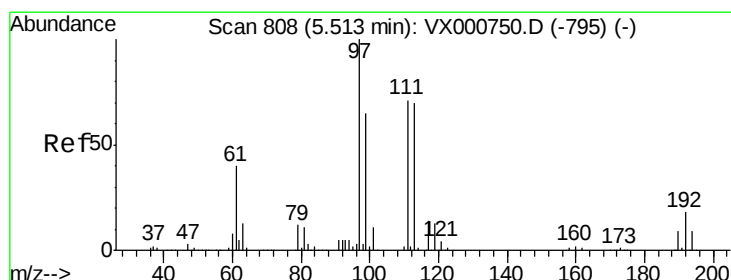
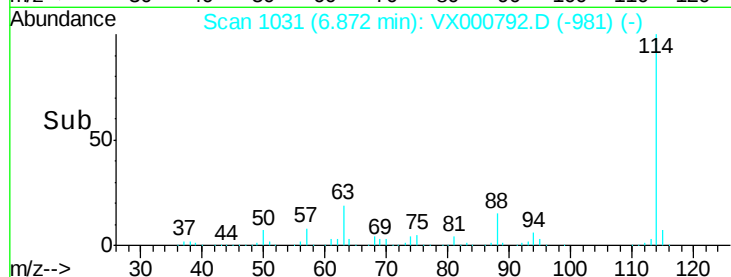
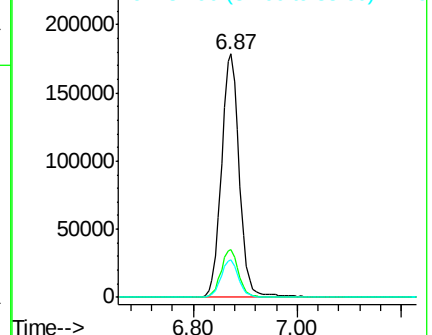
88 15.2 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 39.99 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

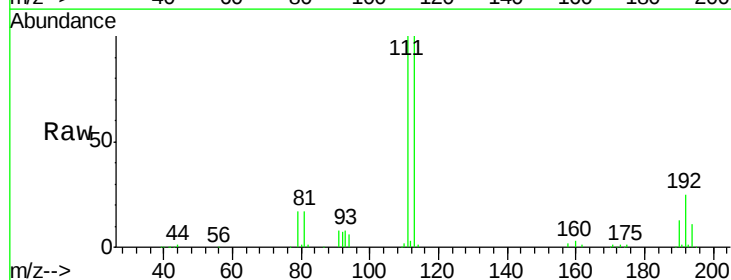
Tgt Ion:113 Resp: 132954

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

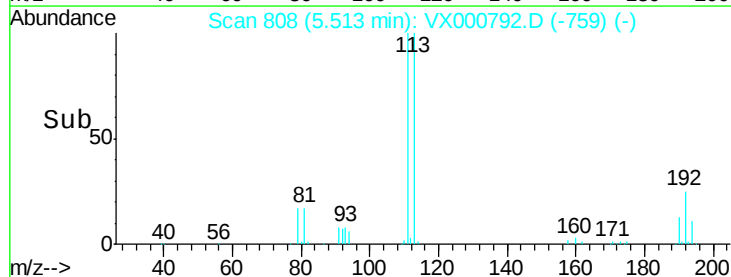
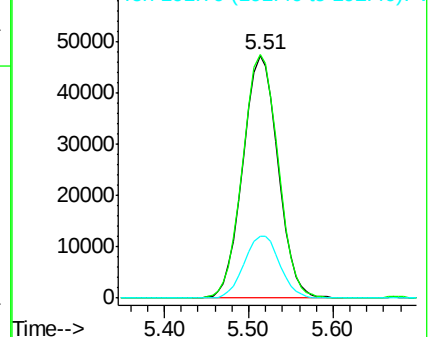
192 25.9 20.4 30.6

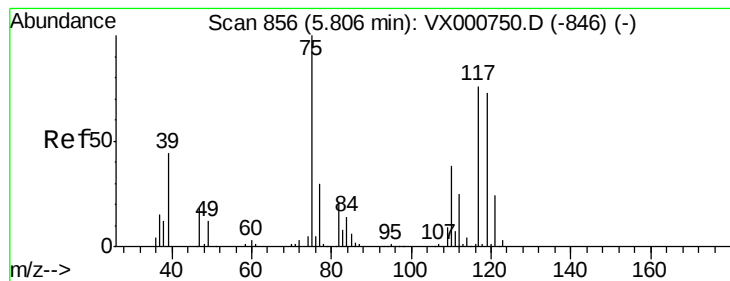


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

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OR-02-041018-B

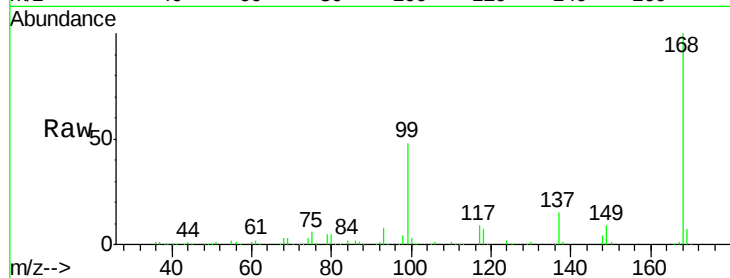
Tgt Ion: 75 Resp: 18763

Ion Ratio Lower Upper

75 100

110 10.7 19.2 57.6#

77 0.3 25.4 38.2#

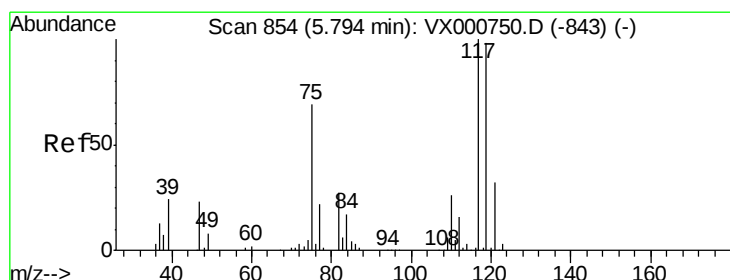
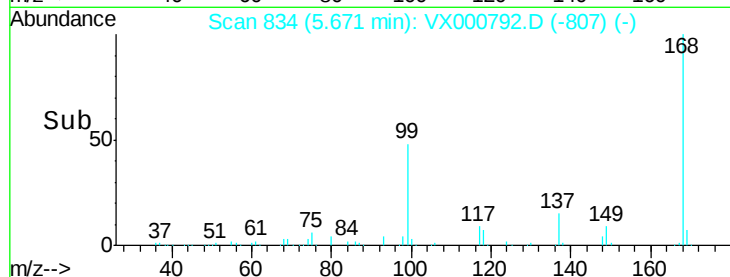


Abundance Ion 74.90 (74.60 to 75.60): VX000750.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000750.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000750.D (-846) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

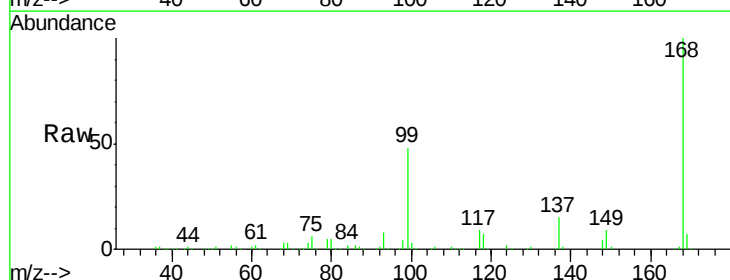
Tgt Ion: 117 Resp: 26521

Ion Ratio Lower Upper

117 100

119 4.8 78.4 117.6#

121 0.0 25.4 38.0#

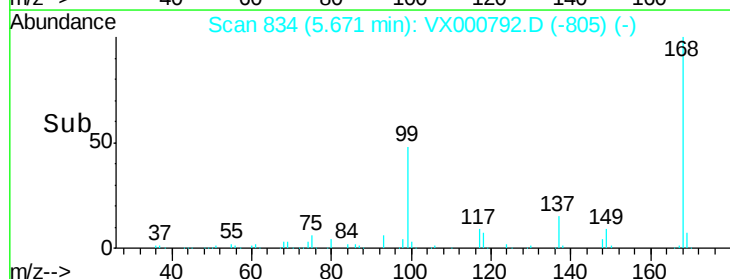


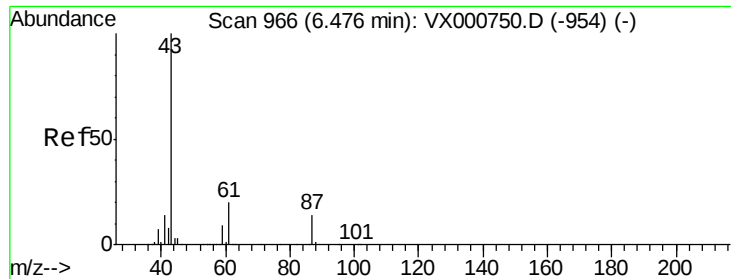
Abundance Ion 116.80 (116.50 to 117.50): VX000750.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000750.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000750.D (-843) (-)

Time-->





#43

Isopropyl Acetate

Concen: 0.31 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

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OR-02-041018-B

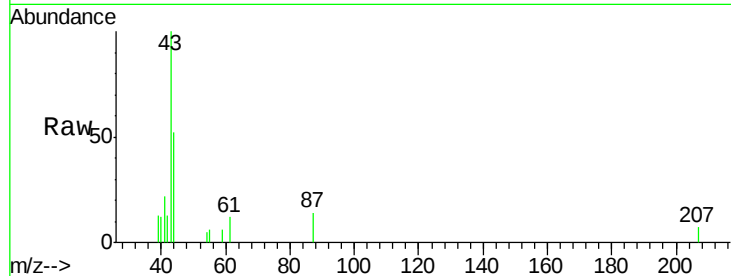
Tgt Ion: 43 Resp: 2481

Ion Ratio Lower Upper

43 100

61 17.2 15.6 23.4

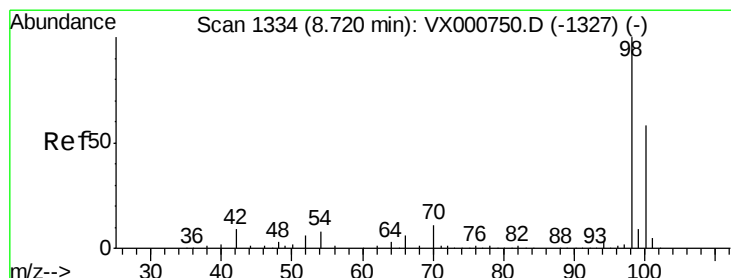
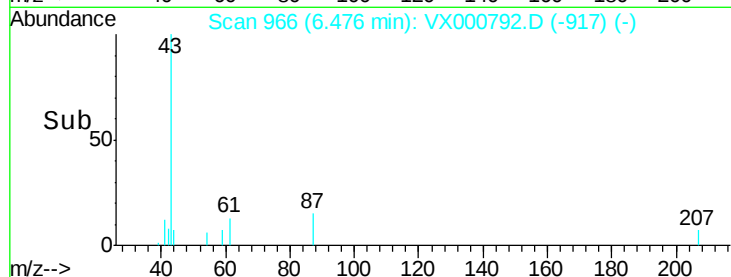
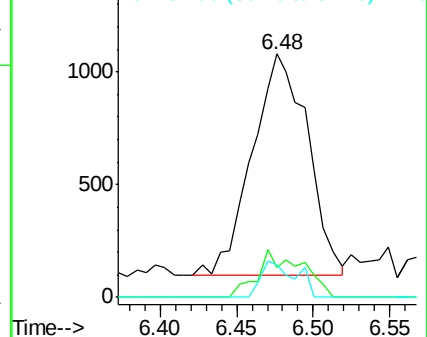
87 10.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 39.92 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000792.D

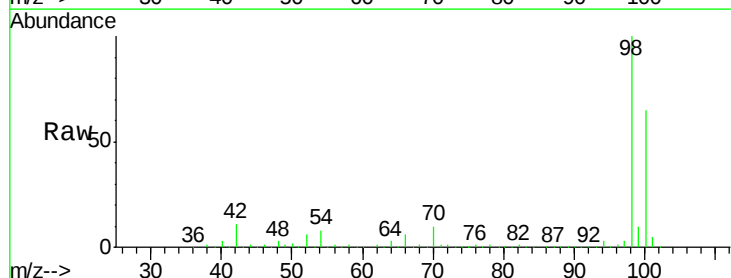
Acq: 11 Apr 2018 21:02

Tgt Ion: 98 Resp: 494274

Ion Ratio Lower Upper

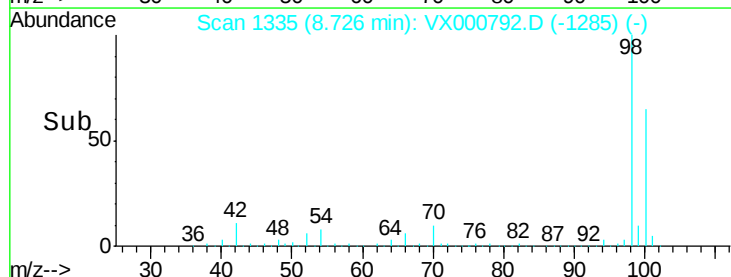
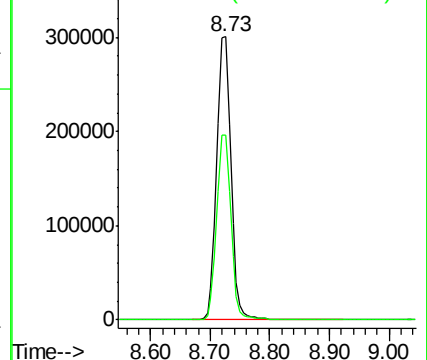
98 100

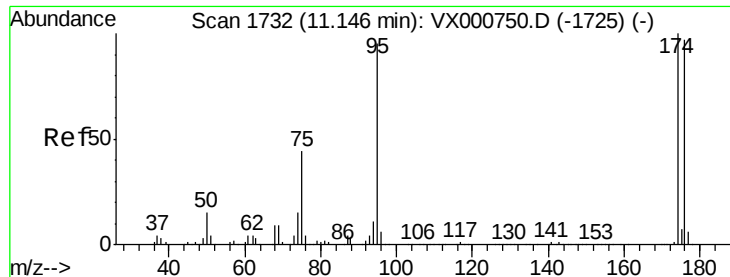
100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

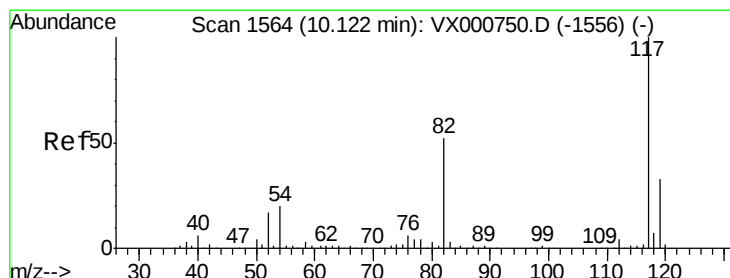
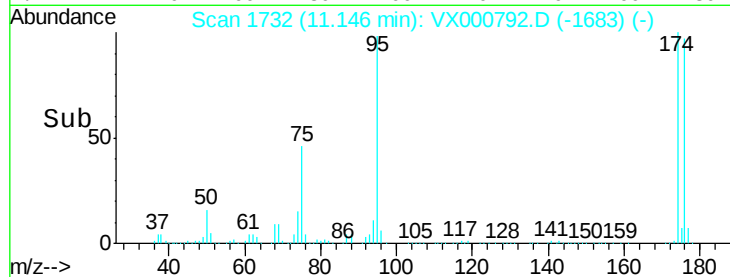
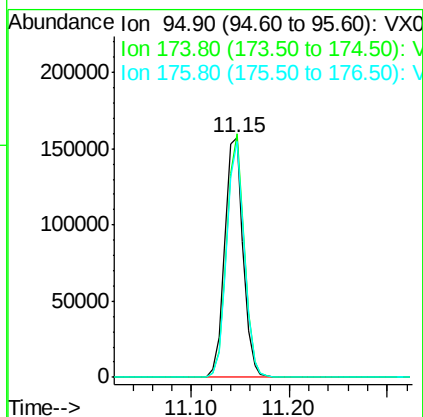
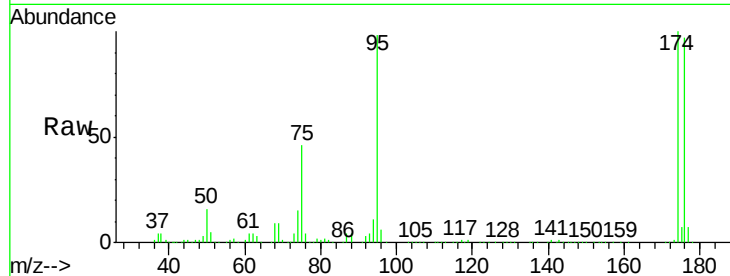




#62
4-Bromofluorobenzene
Concen: 39.81 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000792.D
Acq: 11 Apr 2018 21:02

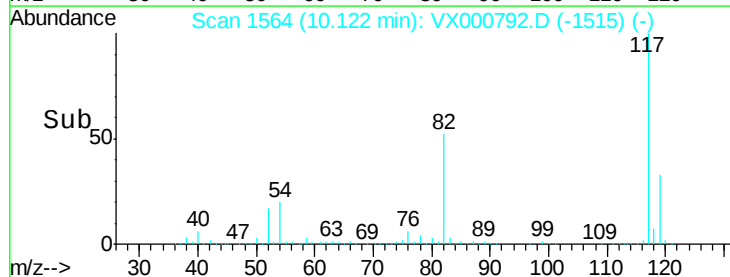
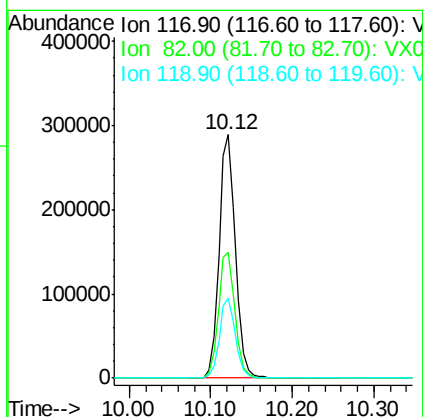
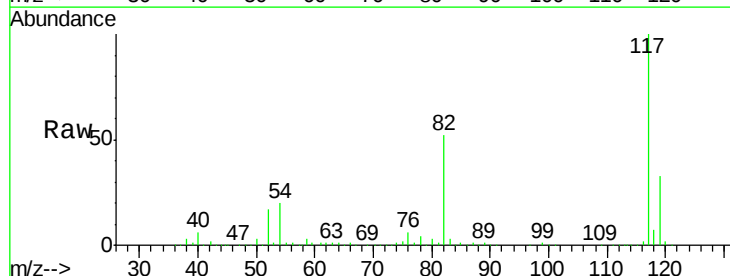
Instrument :
MSVOA_X
ClientSampleId :
OR-02-041018-B

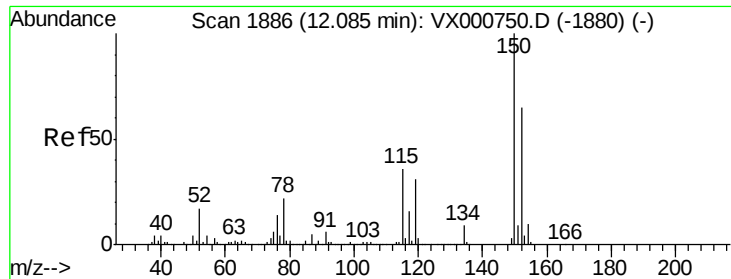
Tgt Ion: 95 Resp: 203893
Ion Ratio Lower Upper
95 100
174 97.5 0.0 198.4
176 94.7 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000792.D
Acq: 11 Apr 2018 21:02

Tgt Ion: 117 Resp: 404521
Ion Ratio Lower Upper
117 100
82 51.8 41.9 62.9
119 33.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

OR-02-041018-B

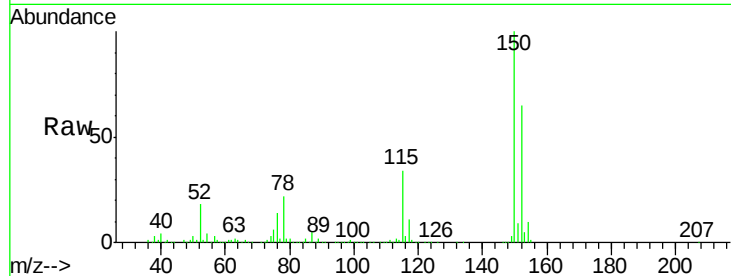
Tgt Ion:152 Resp: 243172

Ion Ratio Lower Upper

152 100

115 53.3 37.9 113.7

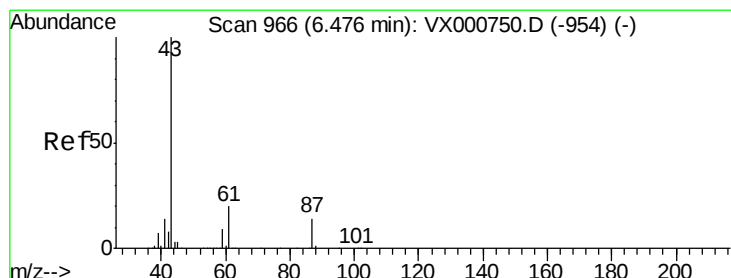
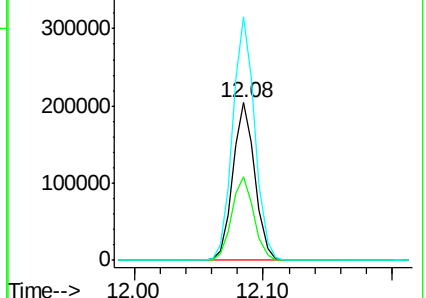
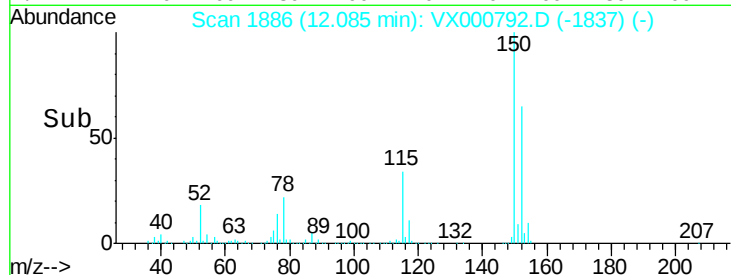
150 155.4 0.0 348.0



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



#74

N-ethyl acetate

Concen: 0.36 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

Tgt Ion: 43 Resp: 2481

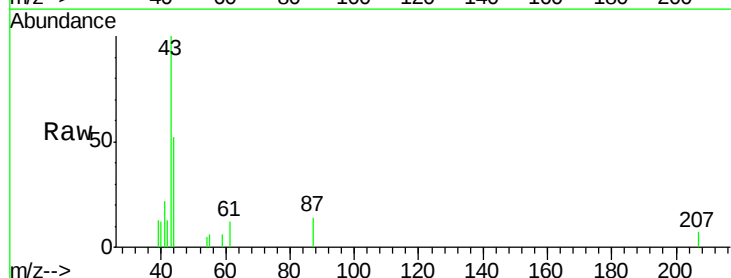
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 7.7 0.0 0.0#

61 17.2 15.6 23.4

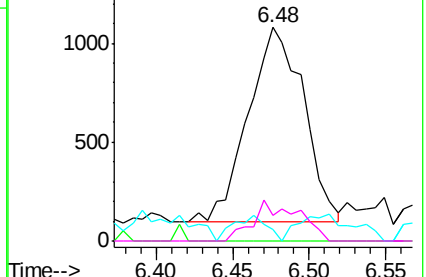
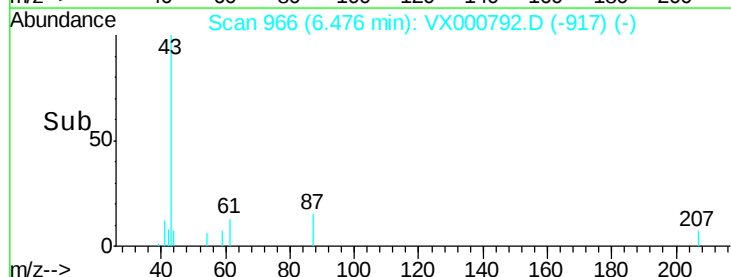


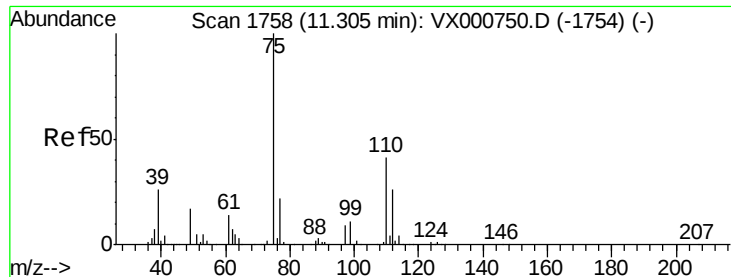
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

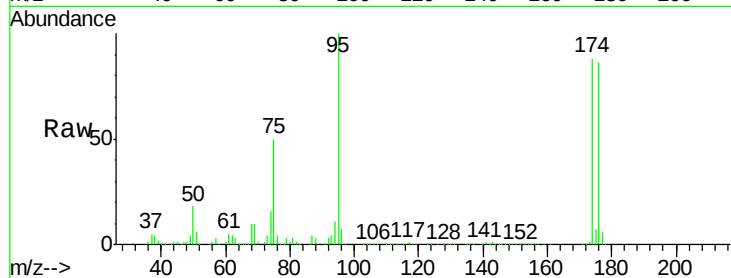
OR-02-041018-B

Tgt Ion: 75 Resp: 98646

Ion Ratio Lower Upper

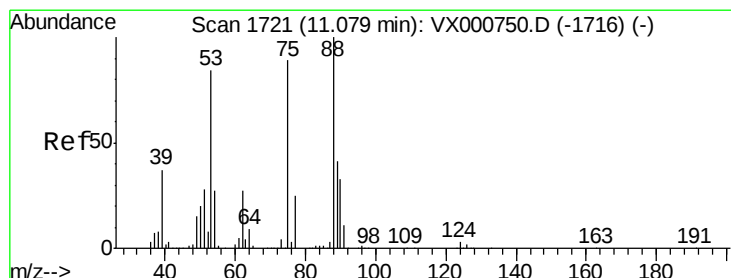
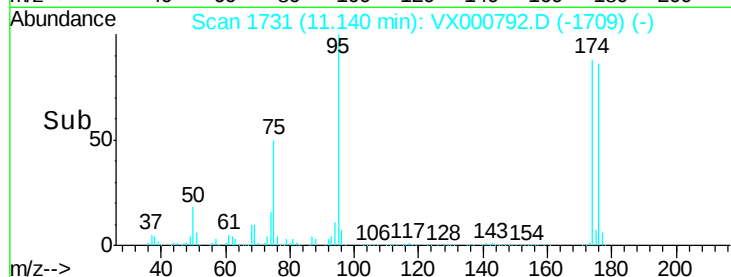
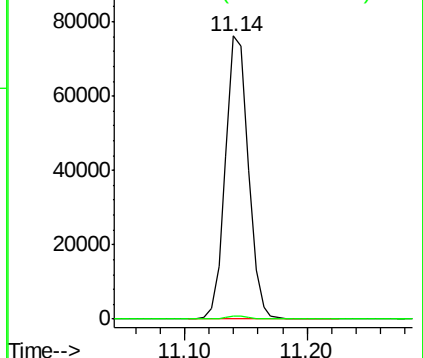
75 100

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: 64.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

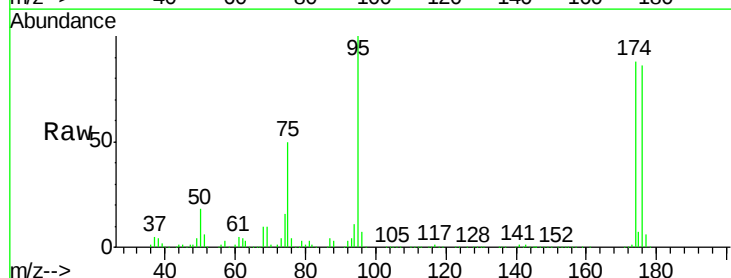
Tgt Ion: 75 Resp: 98646

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

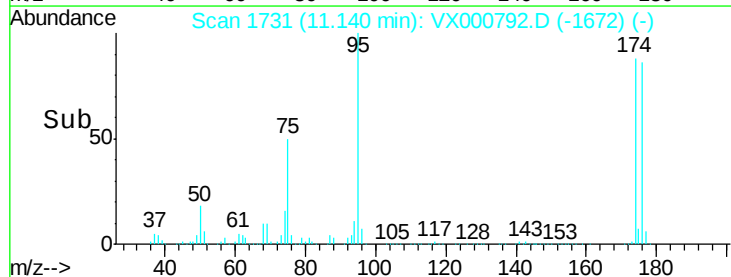
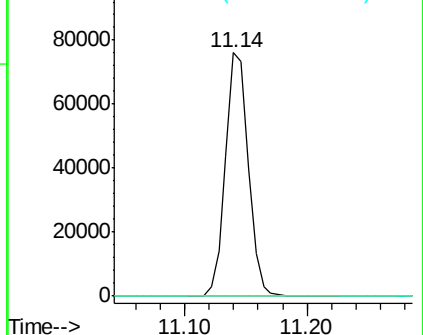
89 0.0 40.9 61.3#

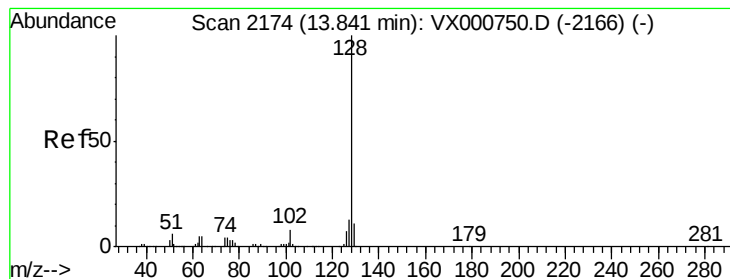


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 1.08 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000792.D

Acq: 11 Apr 2018 21:02

Instrument :

MSVOA_X

ClientSampleId :

OR-02-041018-B

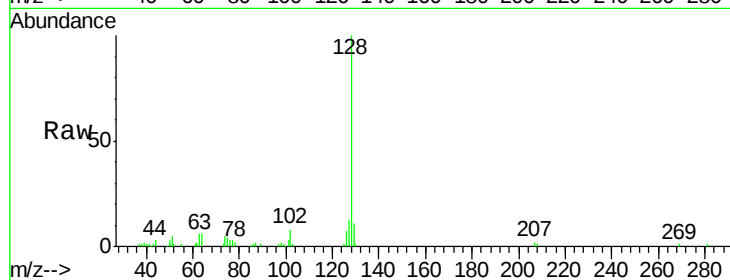
Tgt Ion:128 Resp: 19116

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

