

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000916.D
 Acq On : 16 Apr 2018 14:08
 Operator : JC/MD
 Sample : J2348-01
 Misc : 4.51g/5.0mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 16 15:12:01 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	250654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	221947	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	146148	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	5.51	113	115745	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	
50) Toluene-d8	8.72	98	479458	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.15	95	195411	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

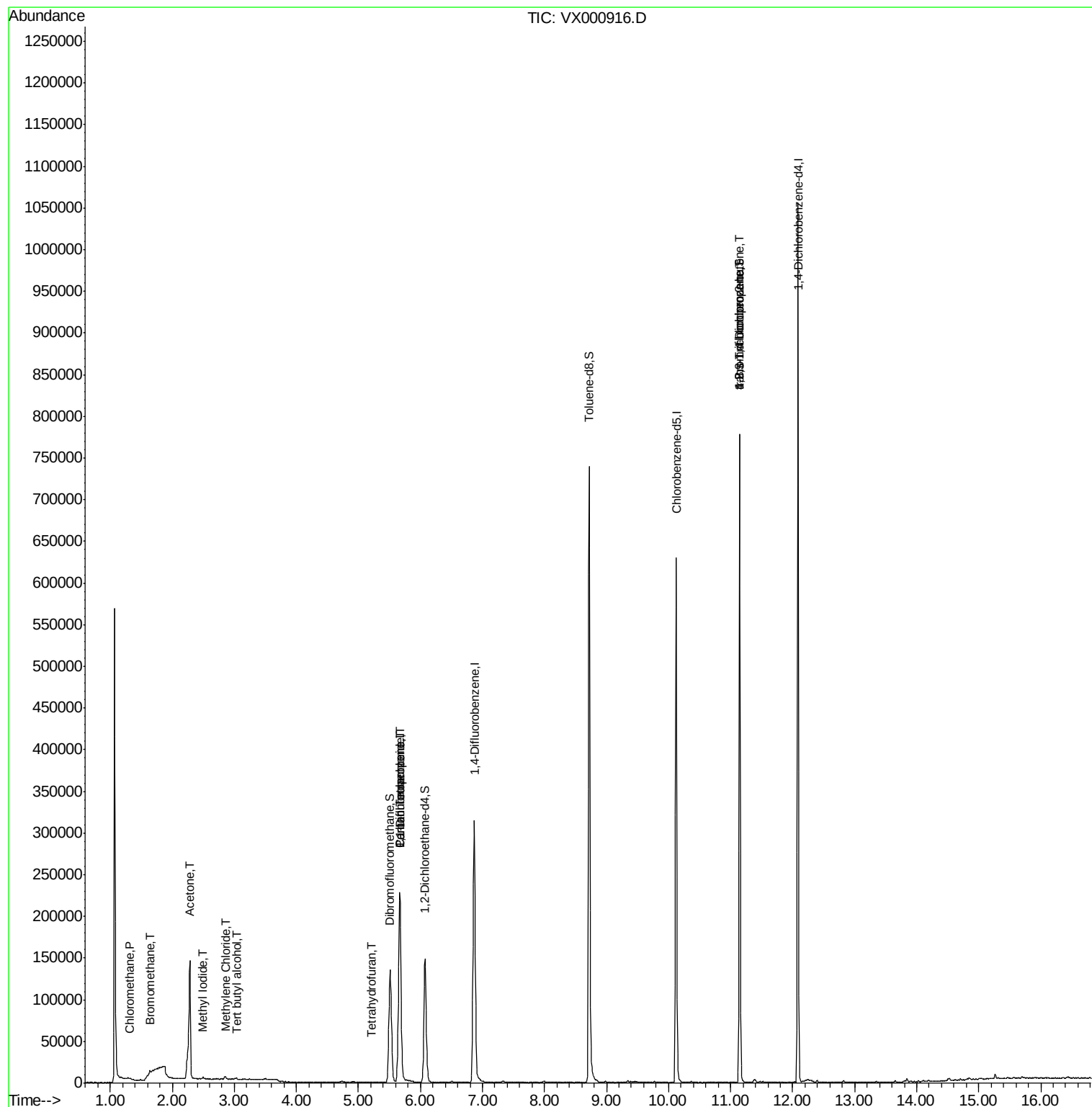
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	620	0.26	ug/l #	83
5) Bromomethane	1.64	94	1959	0.36	ug/l	93
10) Methyl Iodide	2.50	142	2651	9.40	ug/l	96
11) Tert butyl alcohol	3.03	59	920	1.64	ug/l #	72
16) Acetone	2.28	43	33373	30.62	ug/l #	44
20) Methylene Chloride	2.86	84	2030	0.80	ug/l #	78
29) Tetrahydrofuran	5.20	42	705	0.62	ug/l #	80
36) 1,1-Dichloropropene	5.67	75	15148	4.02	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21445	5.08	ug/l #	14
76) 1,2,3-Trichloropropane	11.15	75	95249	24.88	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	95249	68.45	ug/l #	11

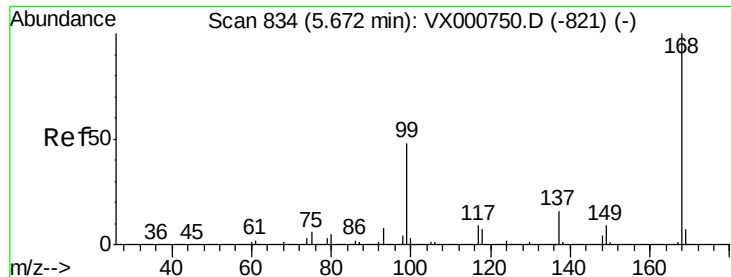
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 16 15:12:01 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

Instrument :

MSVOA_X

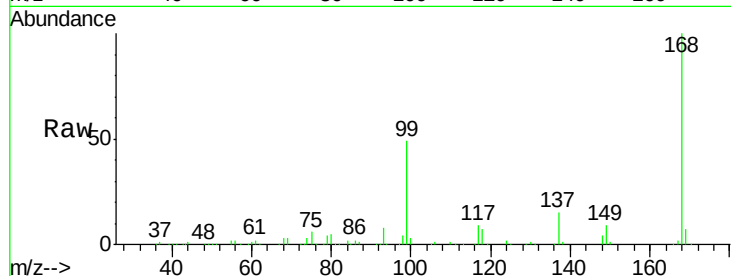
ClientSampleId :

Tot Ion:168 Resp: 250654

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

80000

60000

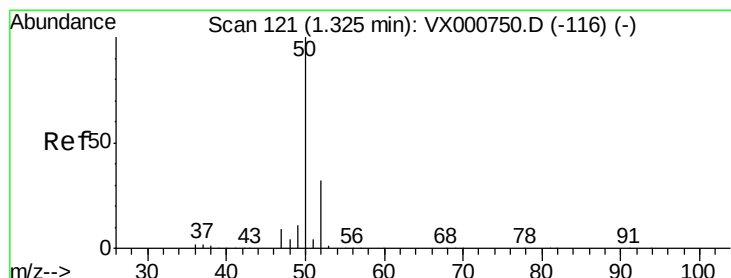
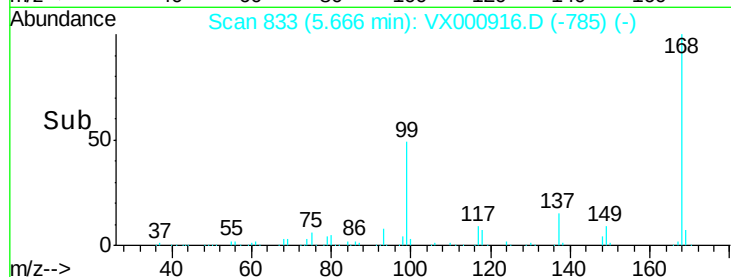
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000916.D

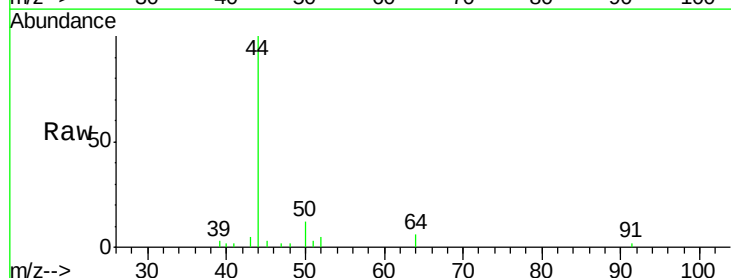
Acq: 16 Apr 2018 14:08

Tgt Ion: 50 Resp: 620

Ion Ratio Lower Upper

50 100

52 41.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

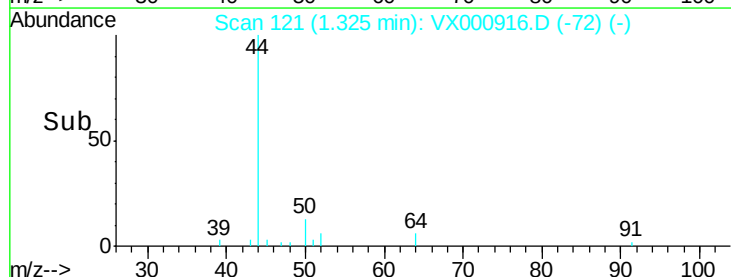
200

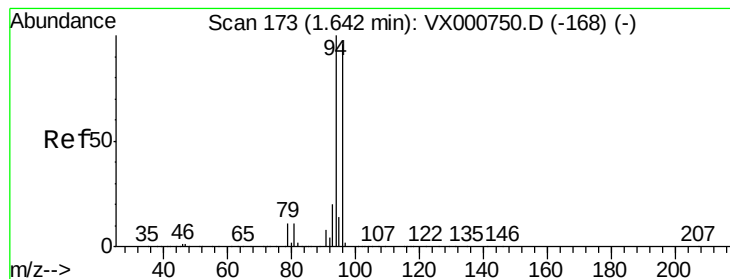
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

Instrument :

MSVOA_X

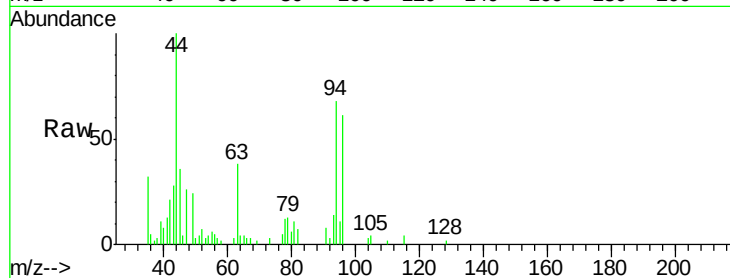
ClientSampleId :

Tot Ion: 94 Resp: 1959

Ion Ratio Lower Upper

94 100

96 89.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

1000

500

0

Time-->

1.60

1.65

1.70

1.75

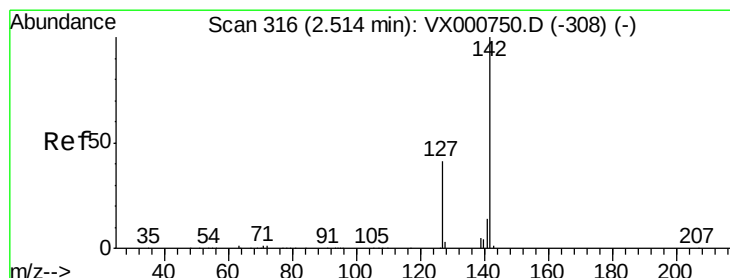
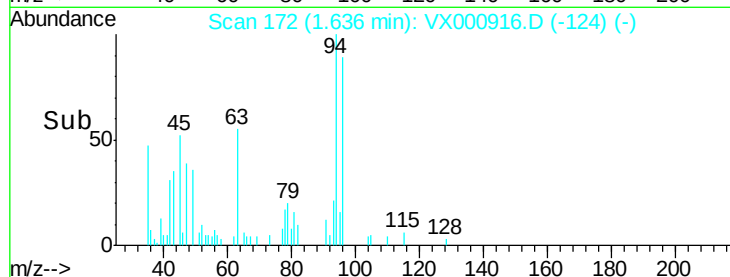
1.80

1.85

1.90

1.95

2.00



#10

Methyl Iodide

Concen: 9.40 ug/l

RT: 2.50 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

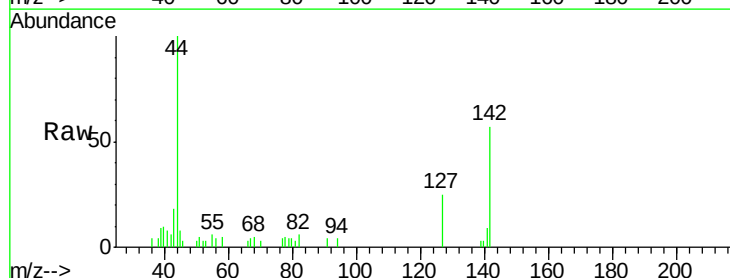
Tgt Ion:142 Resp: 2651

Ion Ratio Lower Upper

142 100

127 43.8 32.6 49.0

141 14.8 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

2.50

1500

1000

500

0

Time-->

2.45

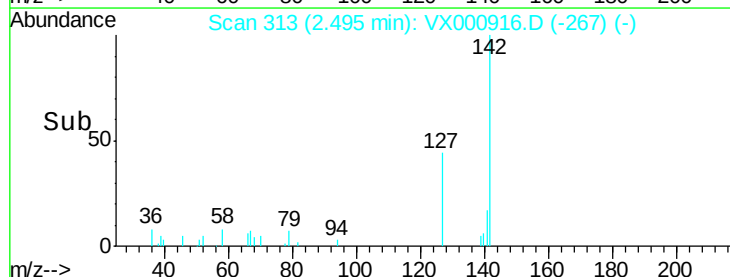
2.50

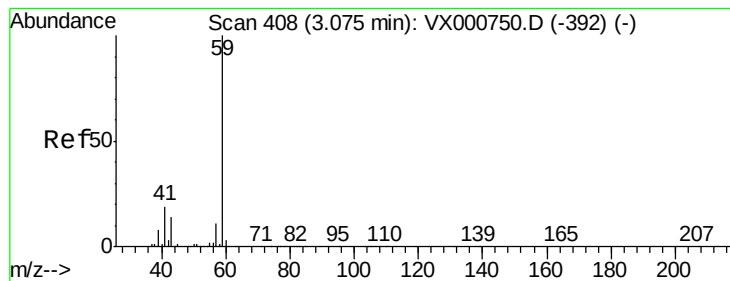
2.55

2.60

2.65

2.70





#11

Tert butyl alcohol

Concen: 1.64 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.04 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

Instrument :

MSVOA_X

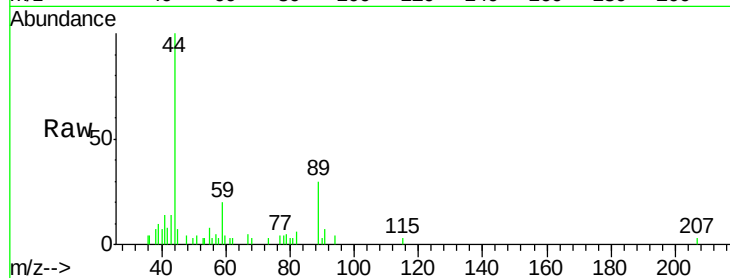
ClientSampled :

Tot Ion: 59 Resp: 920

Ion Ratio Lower Upper

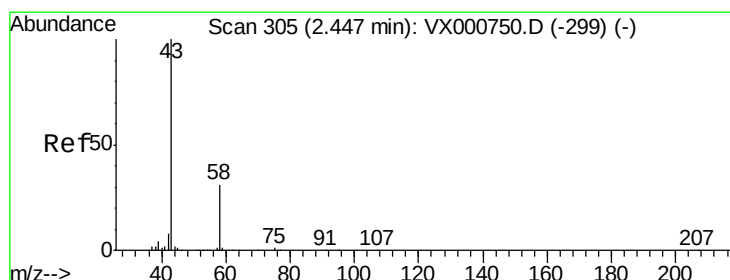
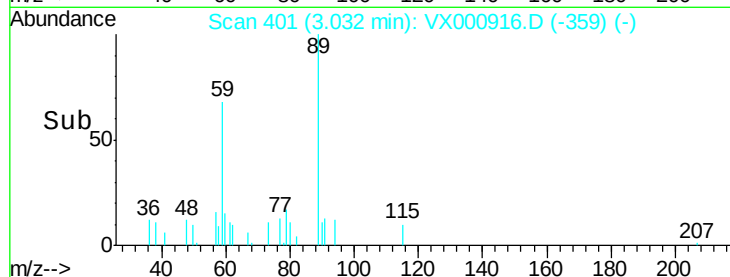
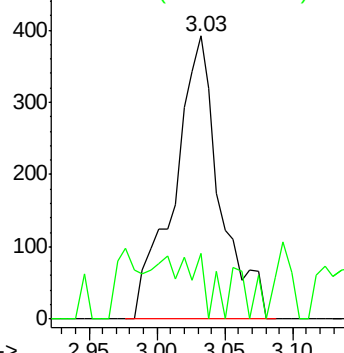
59 100

57 0.0 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: 30.62 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.16 min

Lab File: VX000916.D

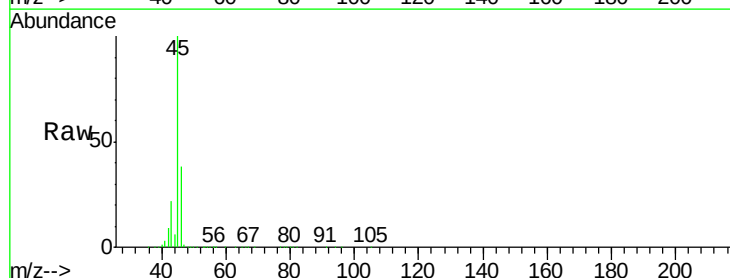
Acq: 16 Apr 2018 14:08

Tgt Ion: 43 Resp: 33373

Ion Ratio Lower Upper

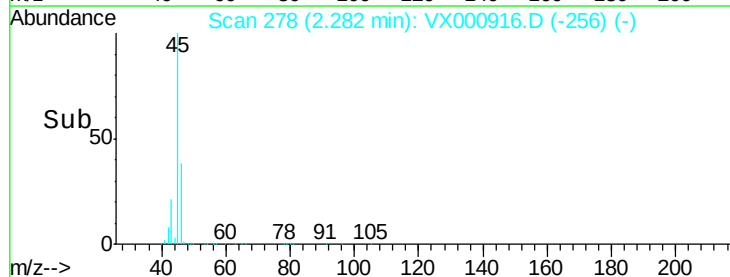
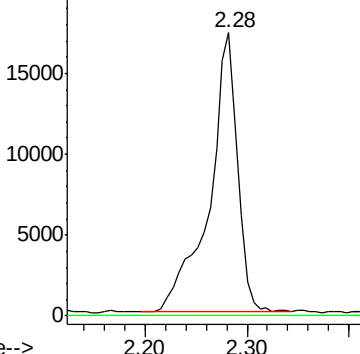
43 100

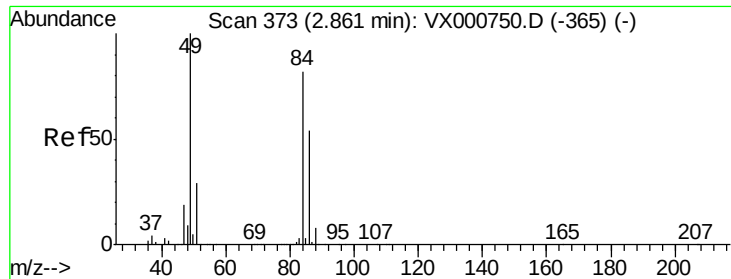
58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

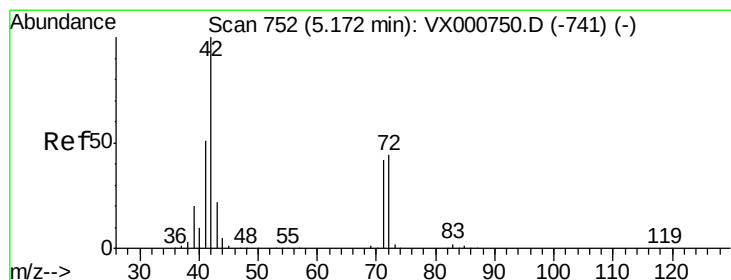
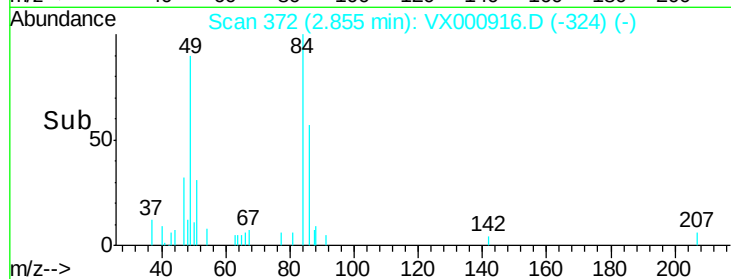
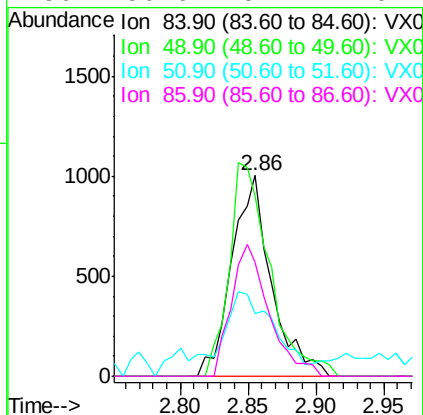
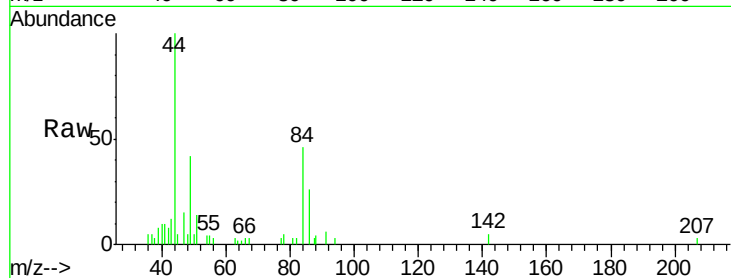




#20
Methylene Chloride
Concen: 0.80 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000916.D
Acq: 16 Apr 2018 14:08

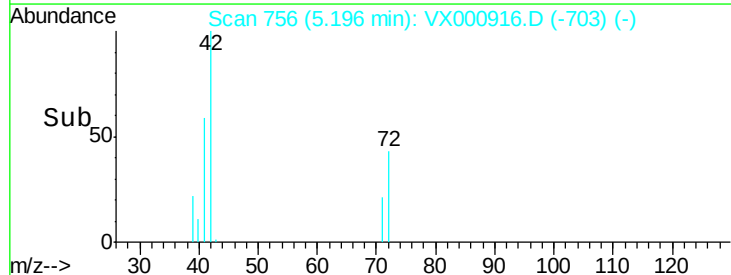
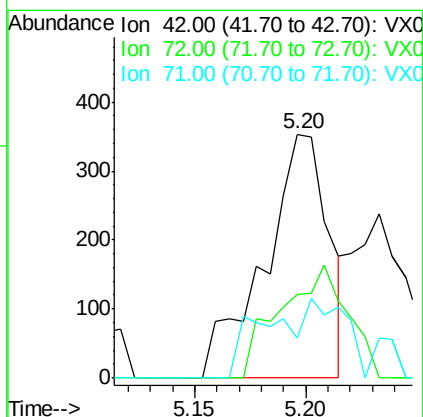
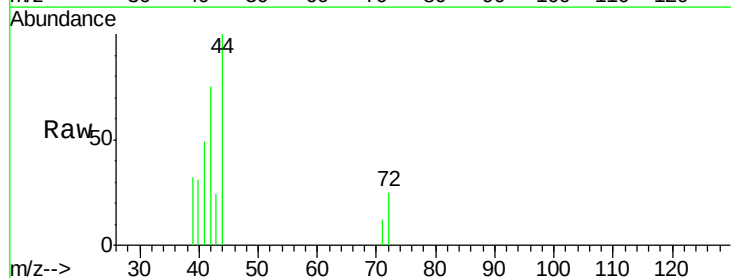
Instrument :
MSVOA_X
ClientSampleId :

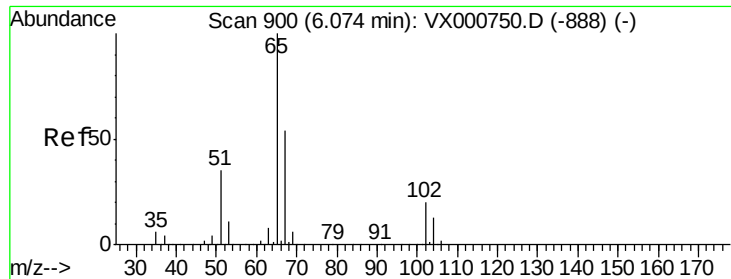
Tot Ion: 84 Resp: 2030
Ion Ratio Lower Upper
84 100
49 90.3 98.1 147.1#
51 24.0 28.9 43.3#
86 56.6 52.7 79.1



#29
Tetrahydrofuran
Concen: 0.62 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX000916.D
Acq: 16 Apr 2018 14:08

Tgt Ion: 42 Resp: 705
Ion Ratio Lower Upper
42 100
72 48.4 35.1 52.7
71 20.3 32.8 49.2#

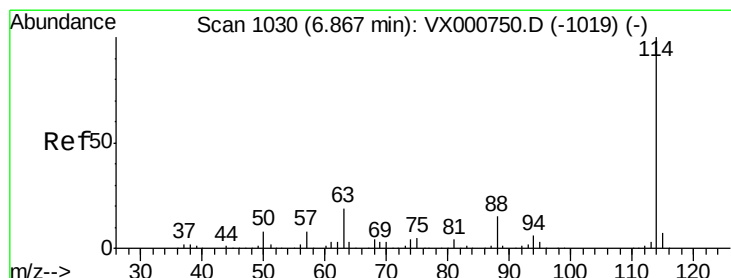
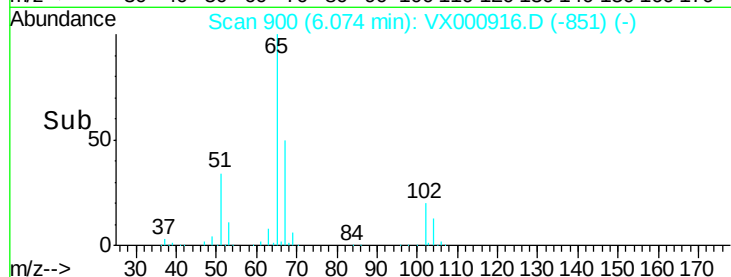
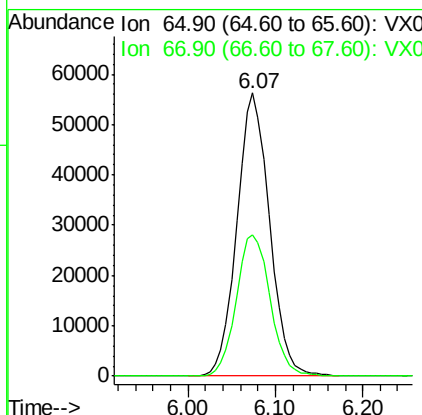
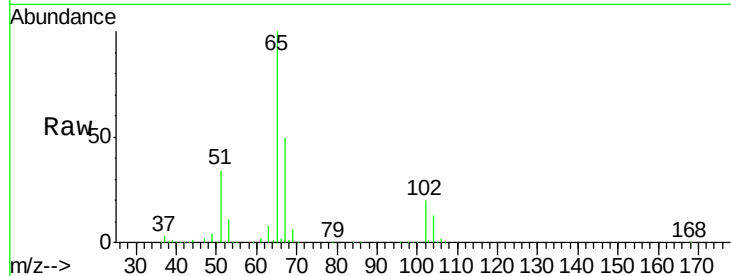




#33
 1,2-Dichloroethane-d4
 Concen: 46.24 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000916.D
 Acq: 16 Apr 2018 14:08

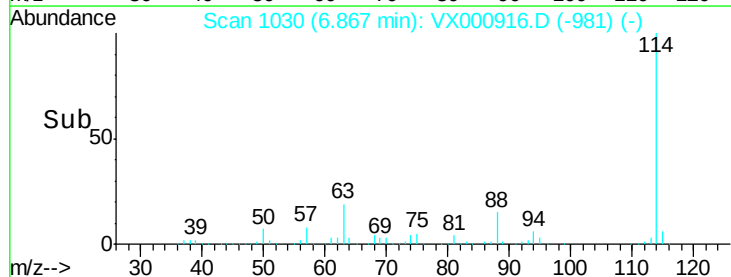
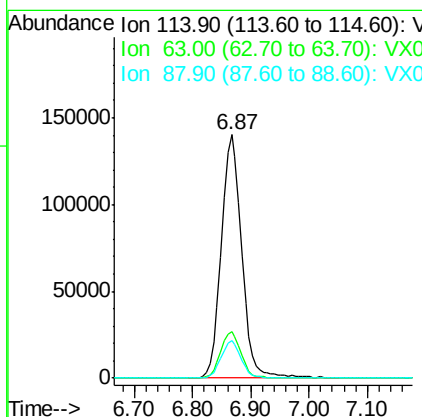
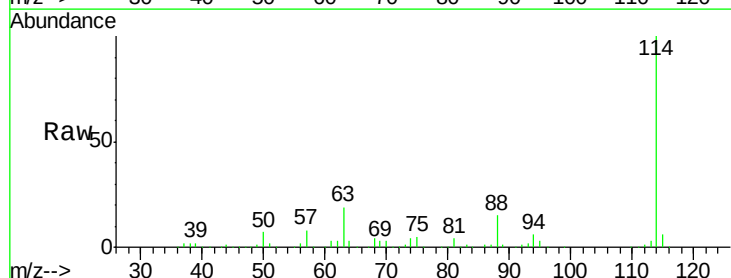
Instrument :
 MSVOA_X
 ClientSampleId :

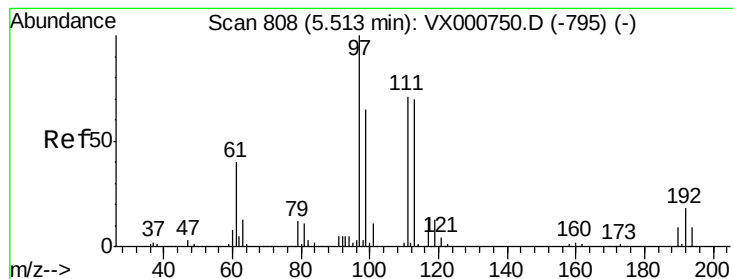
Tot Ion: 65 Resp: 146148
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX000916.D
 Acq: 16 Apr 2018 14:08

Tgt Ion: 114 Resp: 342282
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 43.89 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampled :

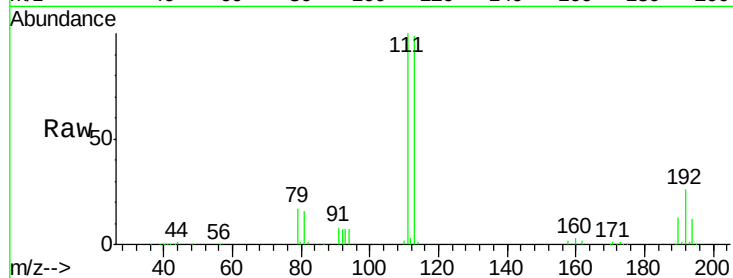
Tot Ion:113 Resp: 115745

Ion Ratio Lower Upper

113 100

111 101.0 81.5 122.3

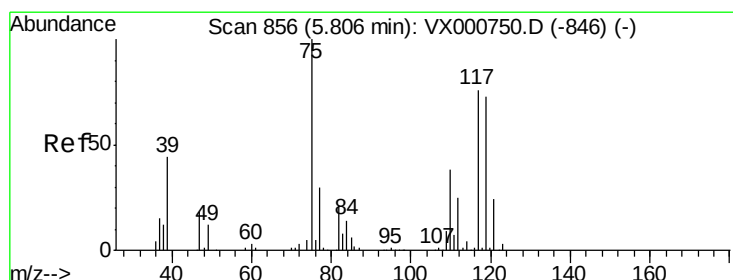
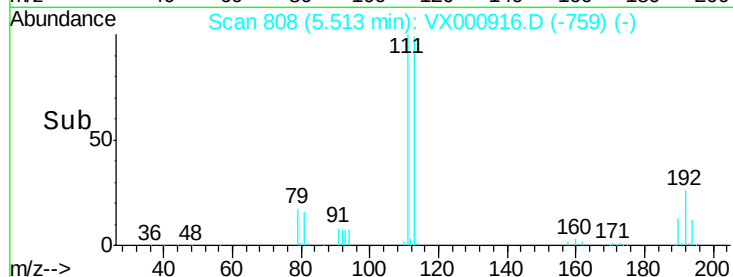
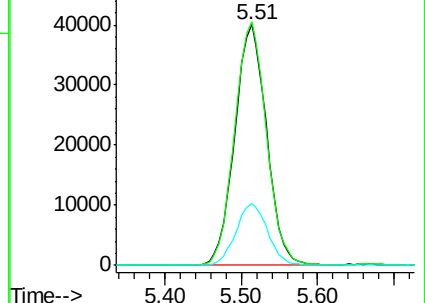
192 25.7 20.4 30.6



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: 4.02 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

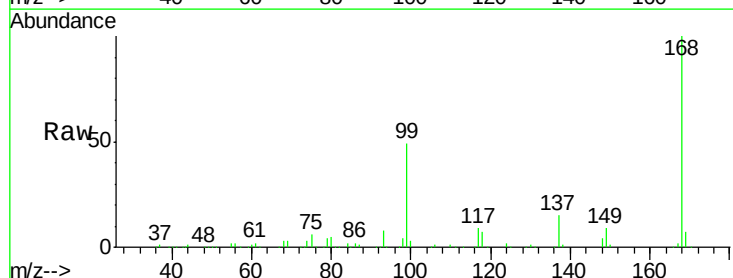
Tgt Ion: 75 Resp: 15148

Ion Ratio Lower Upper

75 100

110 10.3 19.2 57.6#

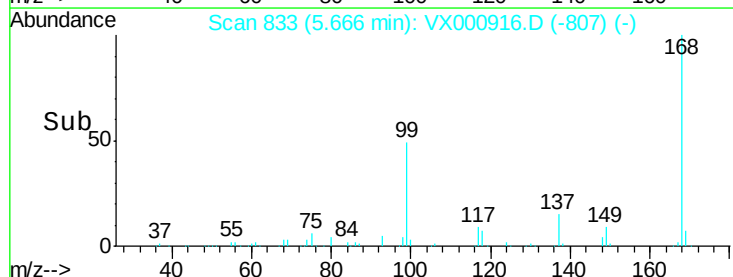
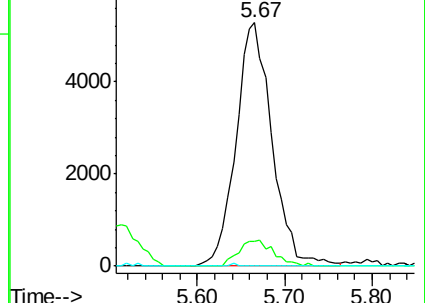
77 0.0 25.4 38.2#

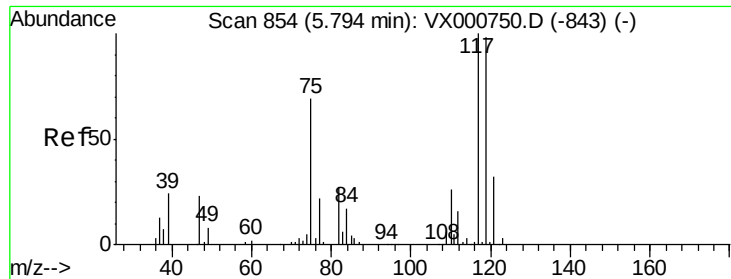


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.08 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampled :

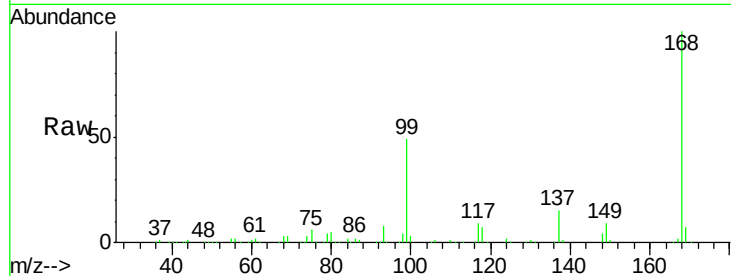
Tot Ion:117 Resp: 21445

Ion Ratio Lower Upper

117 100

119 4.2 78.4 117.6#

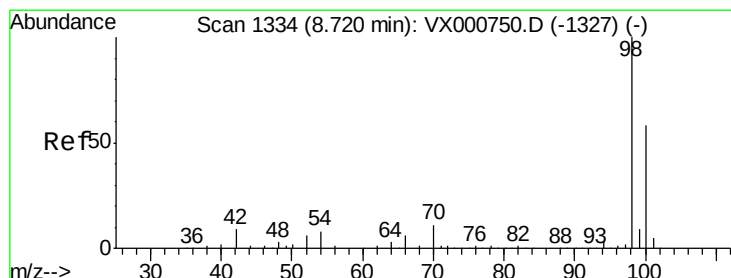
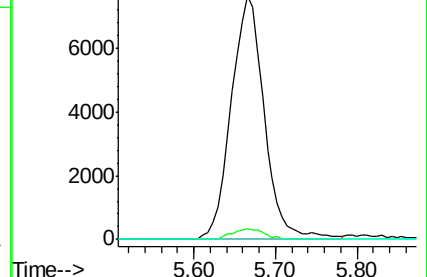
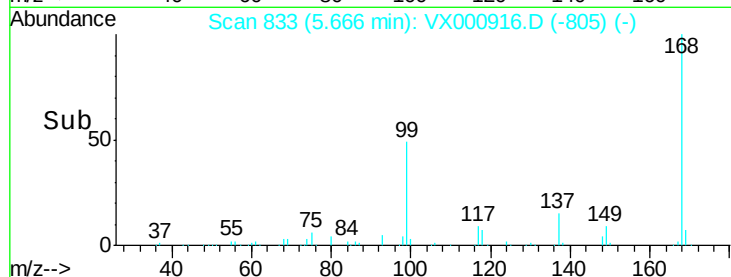
121 0.0 25.4 38.0#



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: 48.83 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000916.D

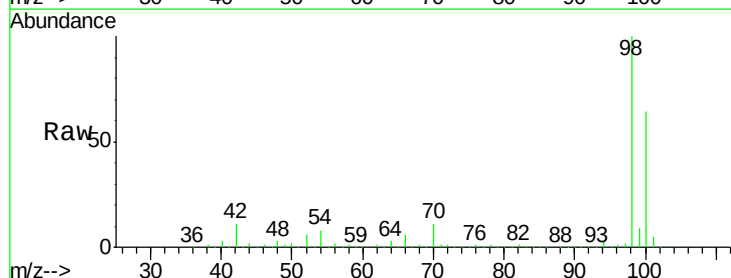
Acq: 16 Apr 2018 14:08

Tgt Ion: 98 Resp: 479458

Ion Ratio Lower Upper

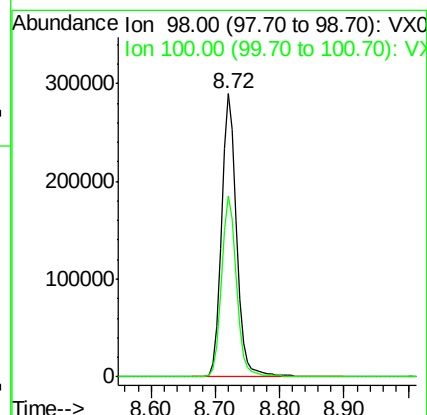
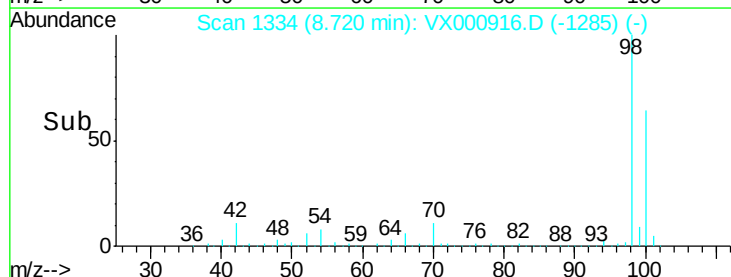
98 100

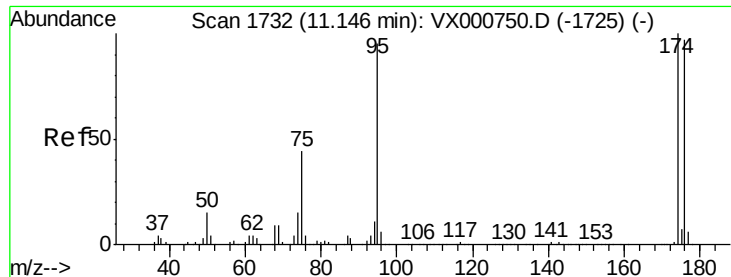
100 64.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

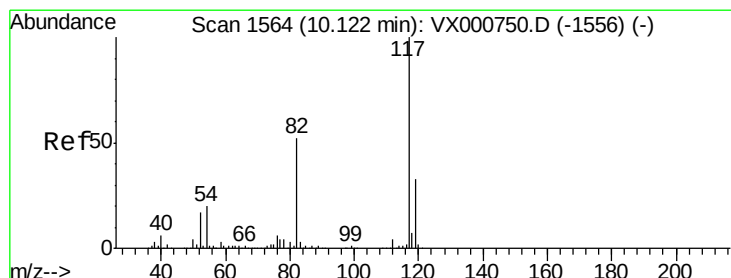
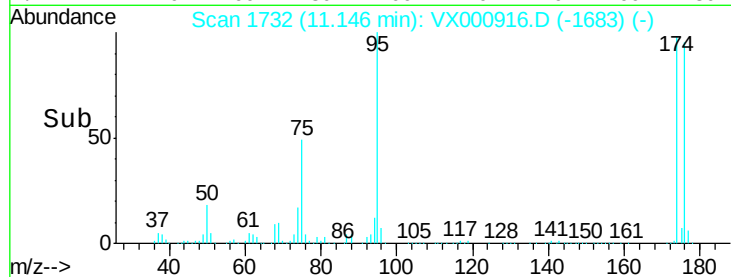
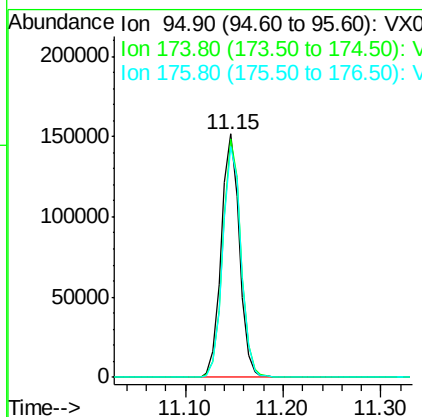
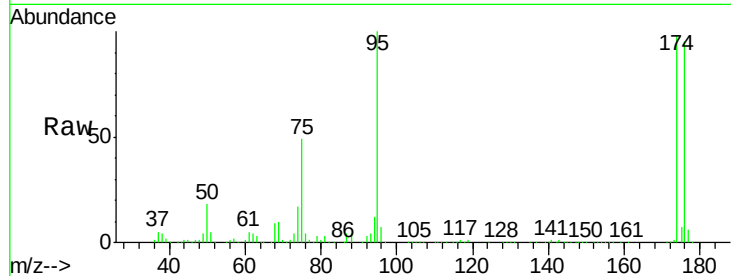




#62
4-Bromofluorobenzene
Concen: 48.10 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000916.D
Acq: 16 Apr 2018 14:08

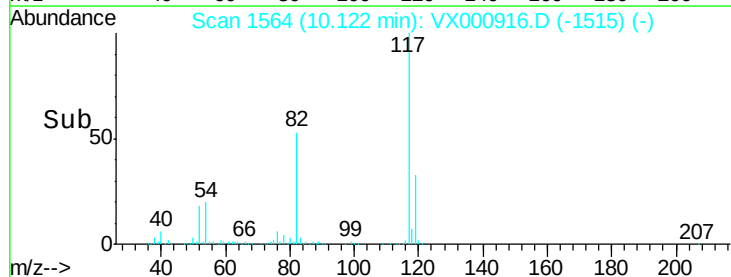
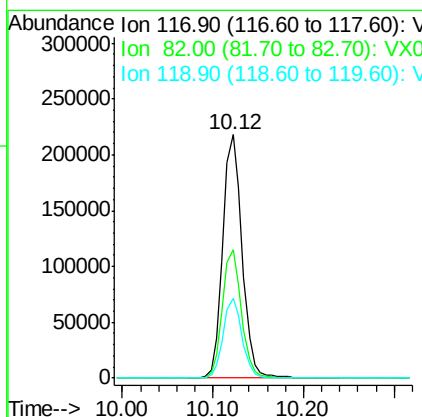
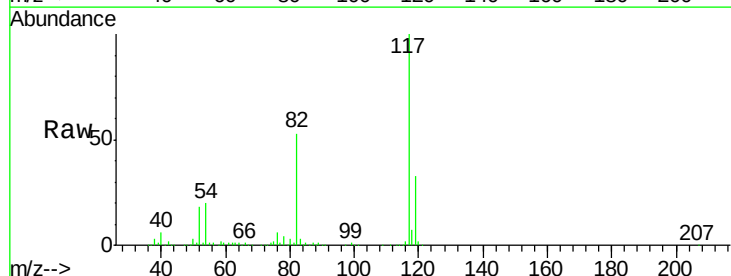
Instrument :
MSVOA_X
ClientSampleId :

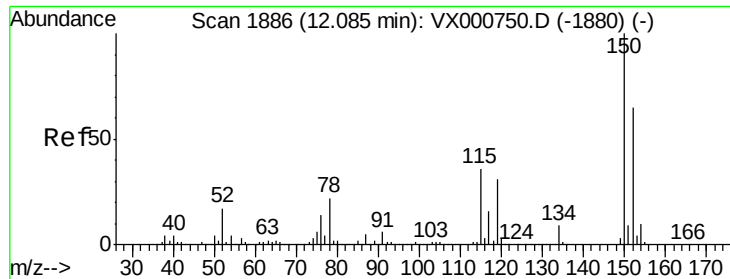
Tot Ion	Ratio	Lower	Upper
95	100		
174	97.2	0.0	198.4
176	95.3	0.0	194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000916.D
Acq: 16 Apr 2018 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.9	62.9
119	32.6	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

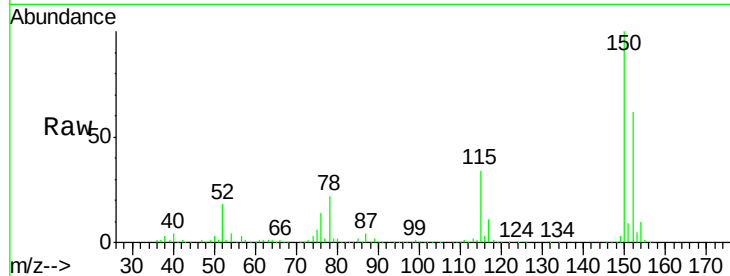
Tot Ion:152 Resp: 221947

Ion Ratio Lower Upper

152 100

115 53.2 37.9 113.7

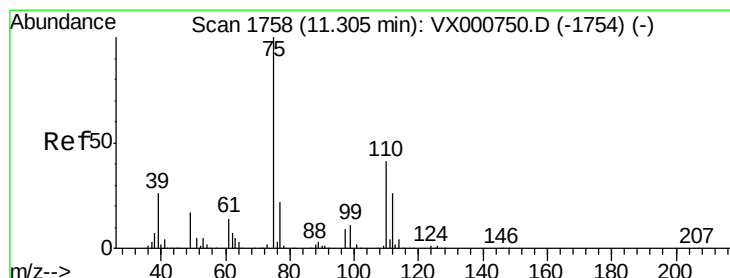
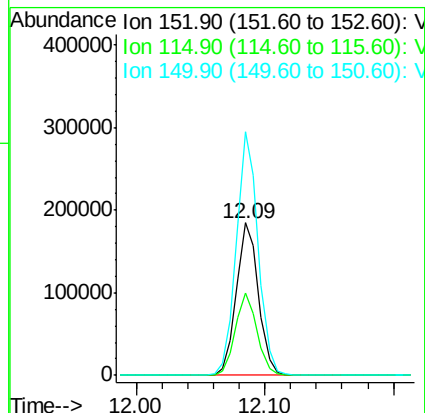
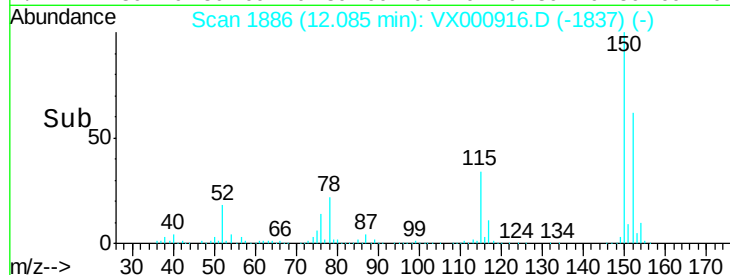
150 157.0 0.0 348.0



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: 24.88 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000916.D

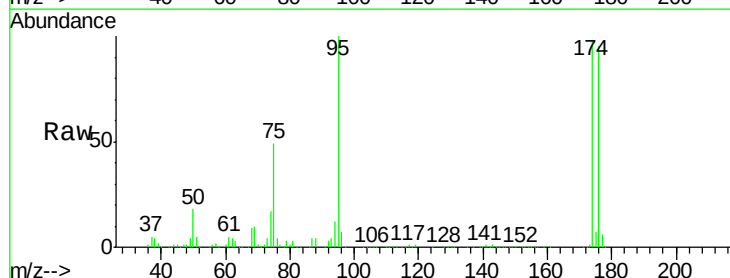
Acq: 16 Apr 2018 14:08

Tgt Ion: 75 Resp: 95249

Ion Ratio Lower Upper

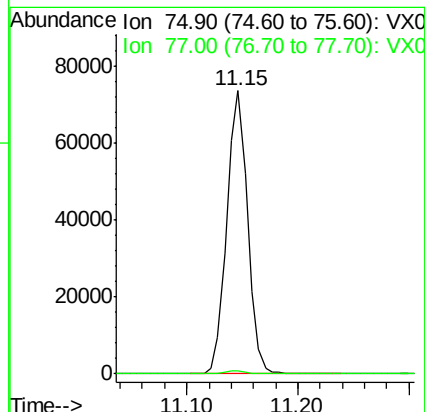
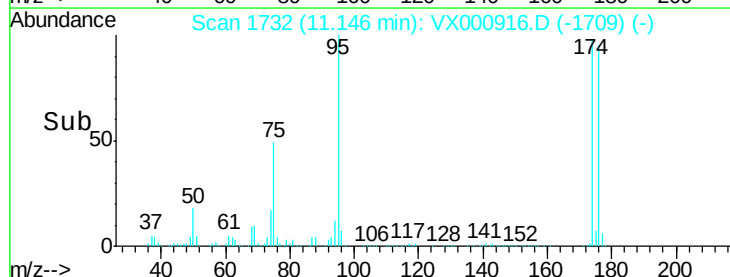
75 100

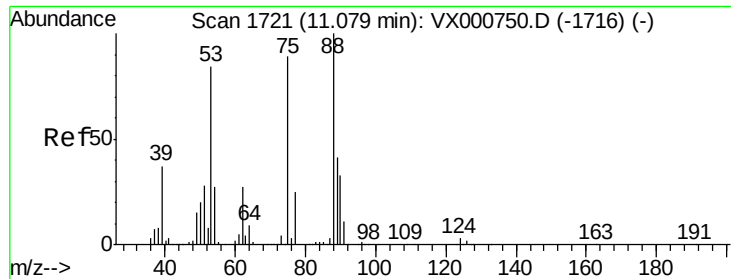
77 1.2 20.5 61.5#



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: 68.45 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000916.D

Acq: 16 Apr 2018 14:08

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 95249

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

