

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000928.D
 Acq On : 16 Apr 2018 19:14
 Operator : JC/MD
 Sample : J2308-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 02:36:35 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	252777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206668	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	153115	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
35) Dibromofluoromethane	5.51	113	121151	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	
50) Toluene-d8	8.72	98	481725	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.14	95	186459	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

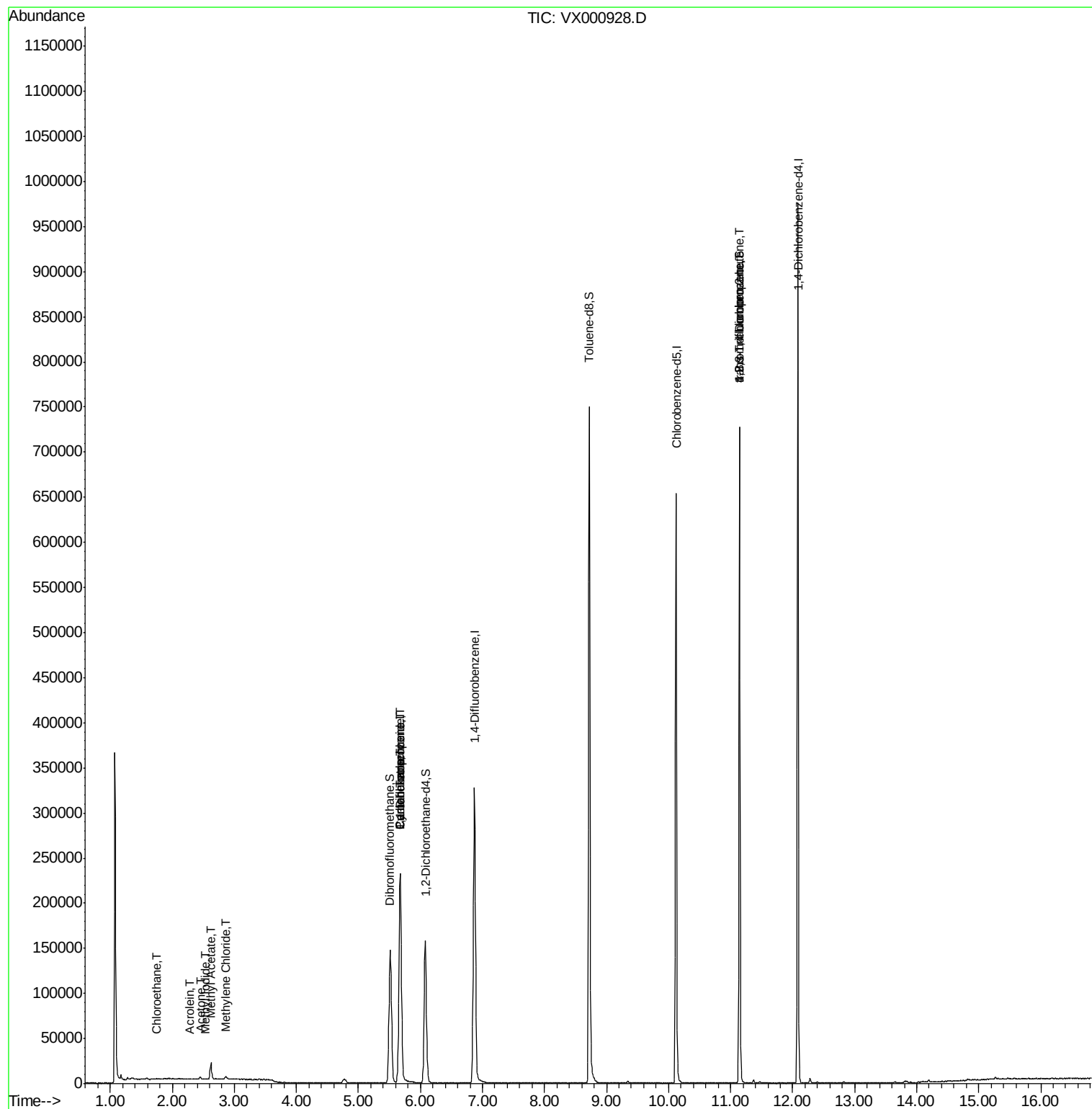
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	379	Below Cal		81
6) Chloroethane	1.75	64	1680	1.007	ug/l #	43
10) Methyl Iodide	2.54	142	19	8.239	ug/l #	42
13) Acrolein	2.28	56	150	0.546	ug/l #	60
16) Acetone	2.45	43	2995	2.725	ug/l	93
18) Methyl Acetate	2.62	43	4918	1.729	ug/l #	51
20) Methylene Chloride	2.87	84	1346	0.527	ug/l #	81
31) Cyclohexane	5.68	56	4306	1.025	ug/l #	8
36) 1,1-Dichloropropene	5.67	75	15434	4.016	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22211	5.163	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	91857	25.772	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	91857	70.893	ug/l #	11

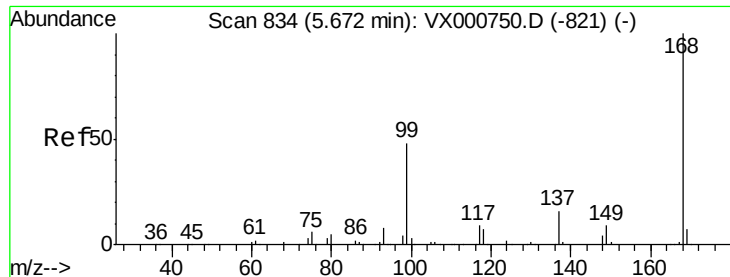
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

Instrument :

MSVOA_X

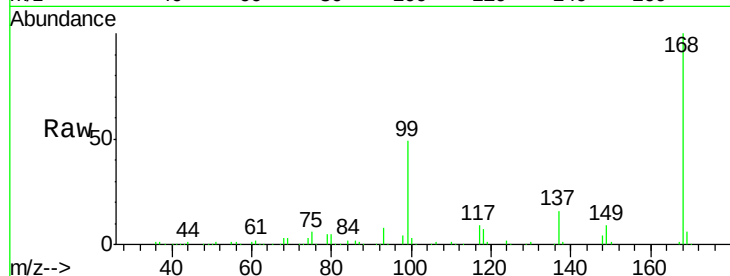
ClientSampleId :

Tot Ion:168 Resp: 252777

Ion Ratio Lower Upper

168 100

99 49.0 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

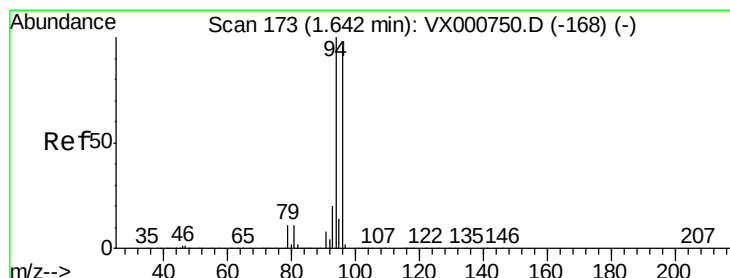
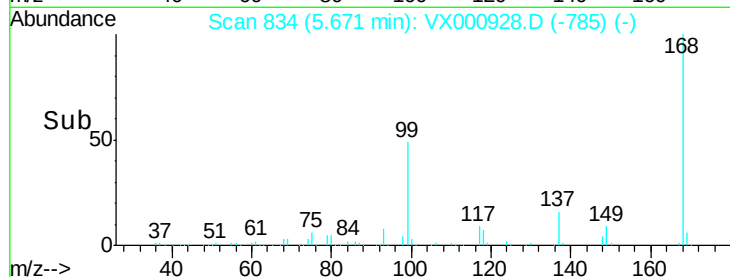
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000928.D

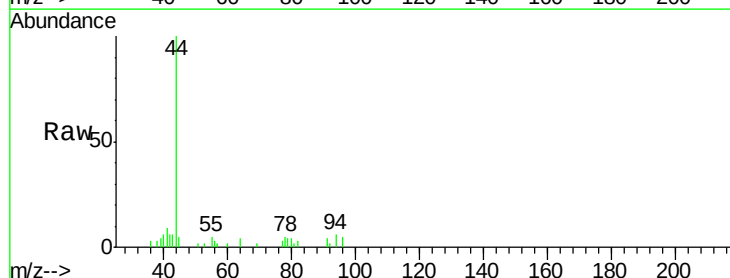
Acq: 16 Apr 2018 19:14

Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

94 100

96 77.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

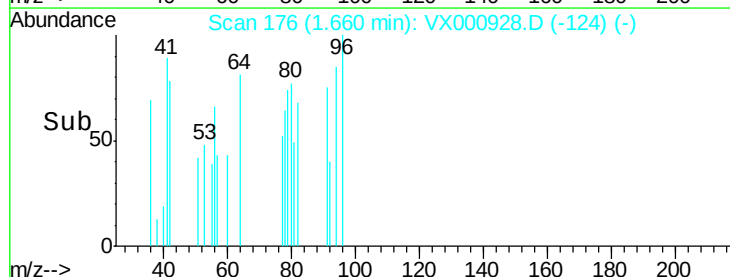
150

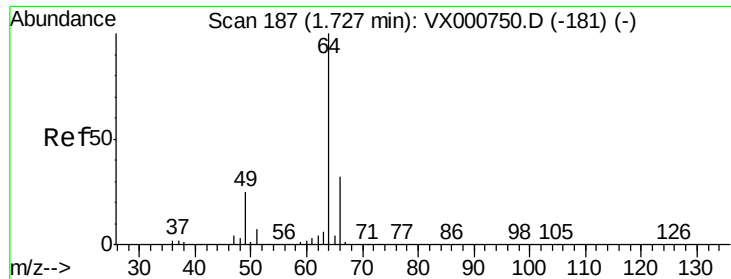
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 1.007 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

Instrument :

MSVOA_X

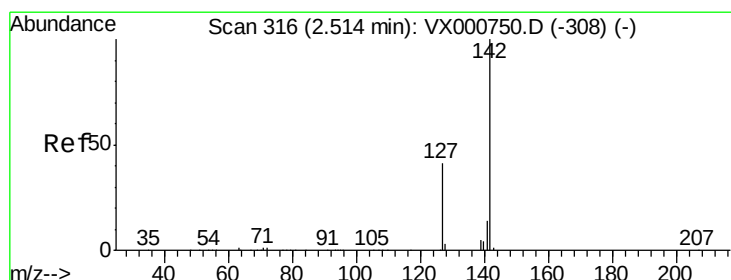
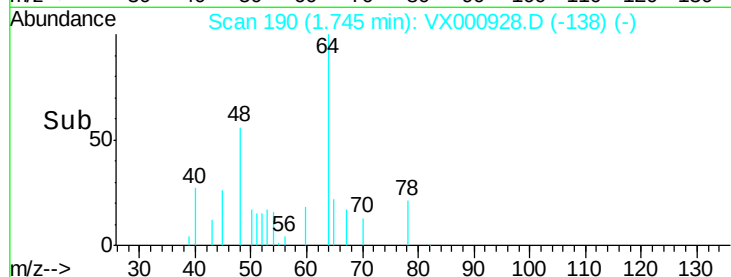
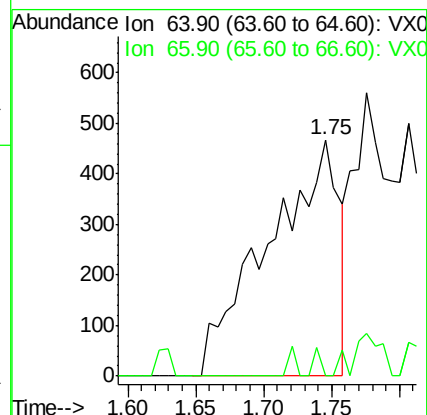
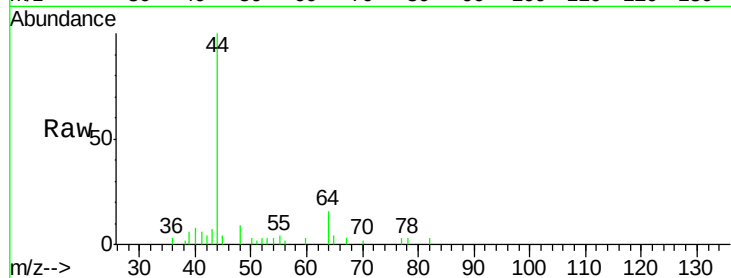
ClientSampleId :

Tot Ion: 64 Resp: 1680

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 8.239 ug/l

RT: 2.54 min Scan# 320

Delta R.T. 0.02 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

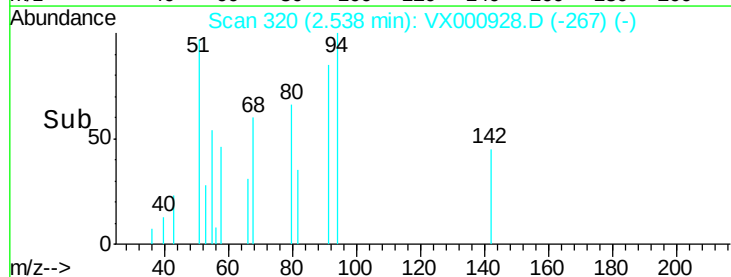
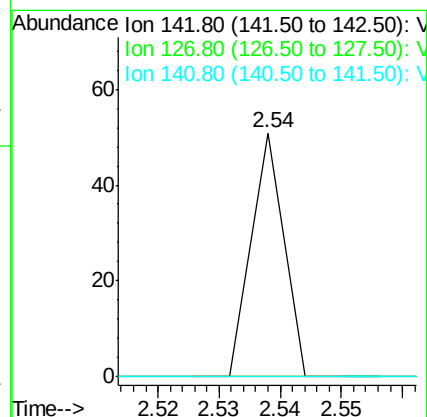
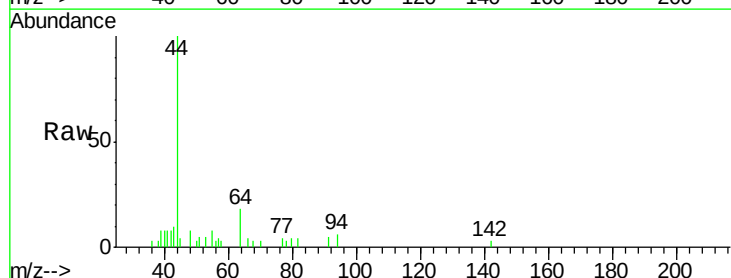
Tgt Ion: 142 Resp: 19

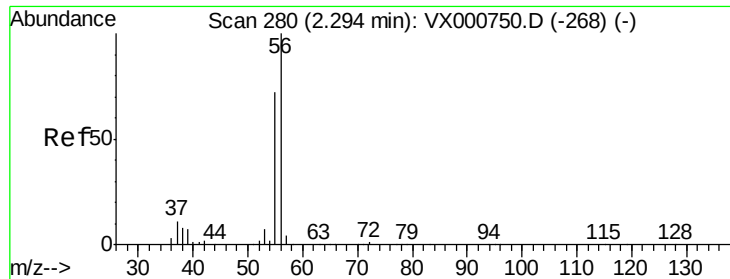
Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

141 0.0 11.5 17.3#





#13

Acrolein

Concen: 0.546 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

Instrument :

MSVOA_X

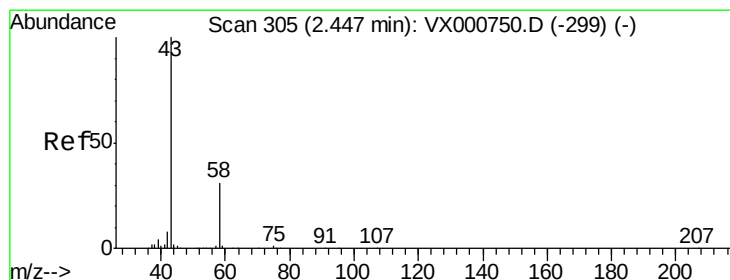
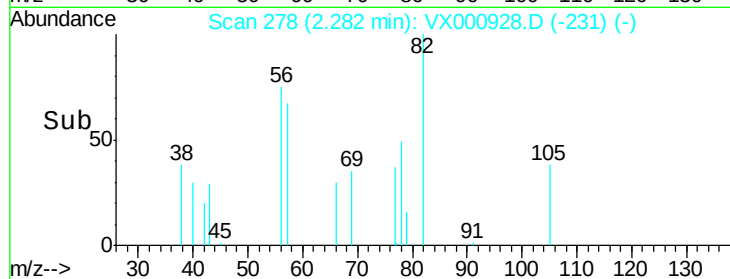
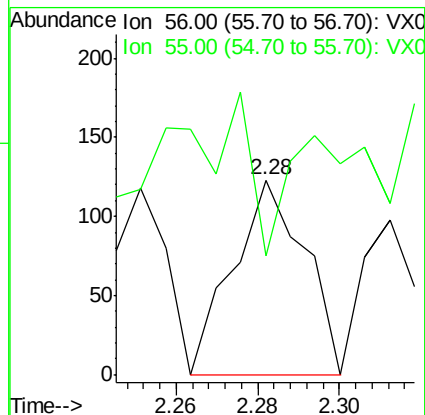
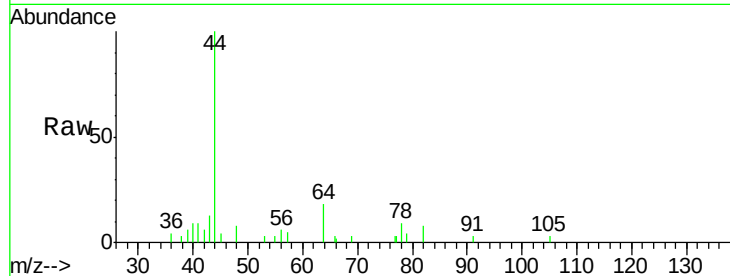
ClientSampled :

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 106.7 58.7 88.1#



#16

Acetone

Concen: 2.725 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000928.D

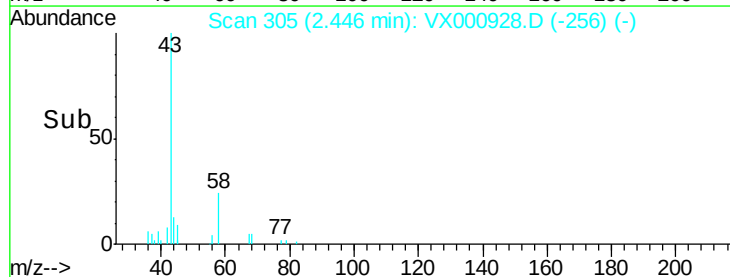
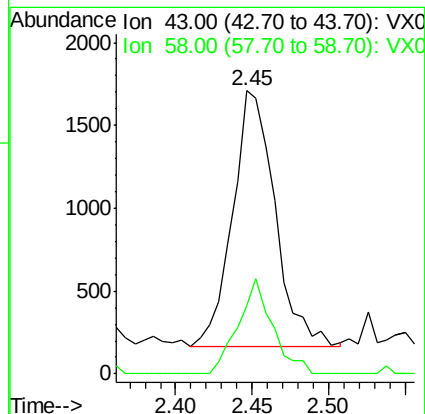
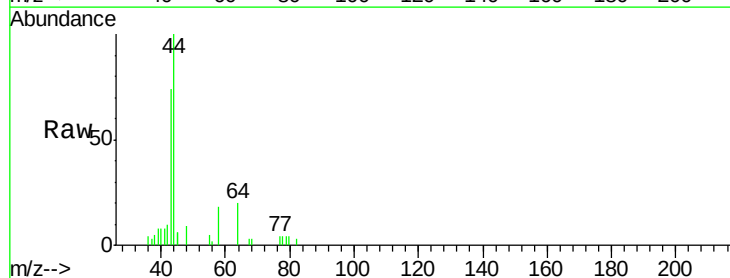
Acq: 16 Apr 2018 19:14

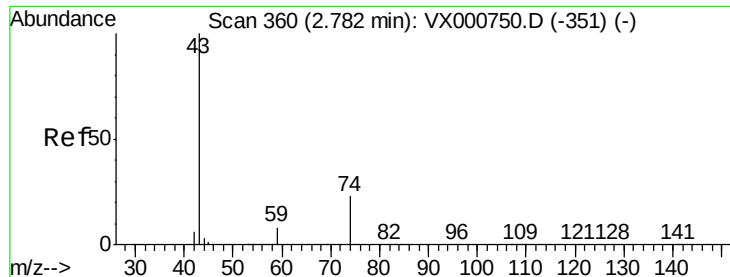
Tgt Ion: 43 Resp: 2995

Ion Ratio Lower Upper

43 100

58 26.7 24.6 37.0

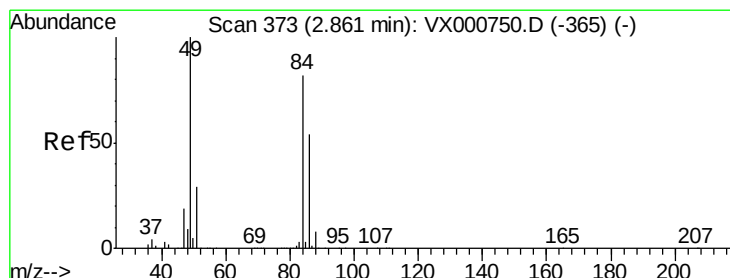
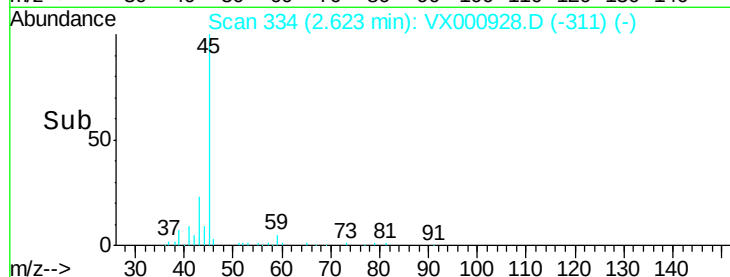
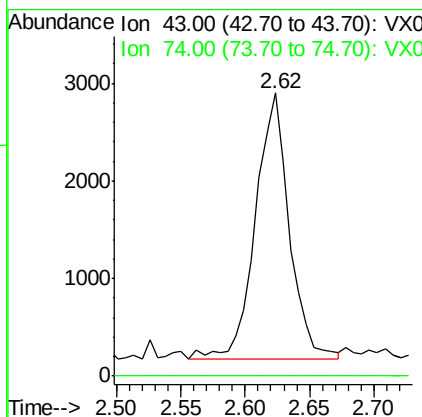
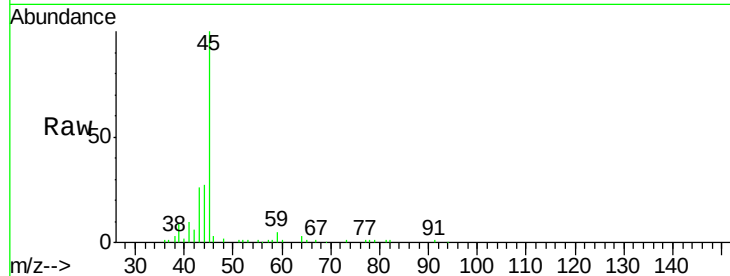




#18
Methyl Acetate
Concen: 1.729 ug/l
RT: 2.62 min Scan# 334
Delta R.T. -0.16 min
Lab File: VX000928.D
Acq: 16 Apr 2018 19:14

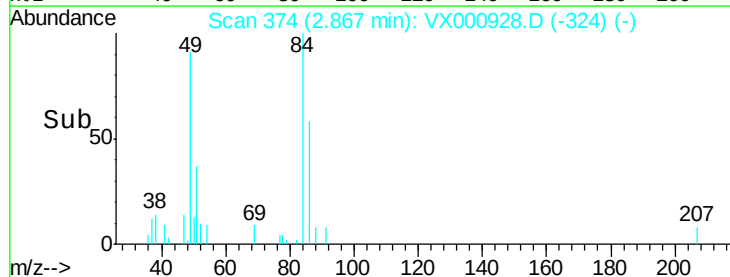
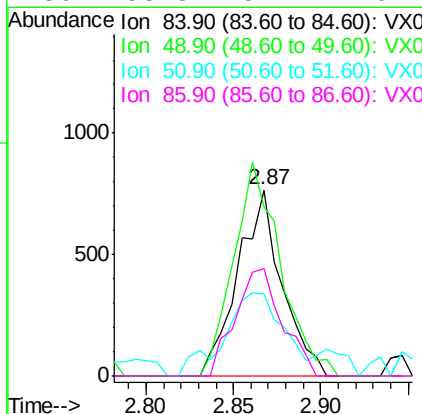
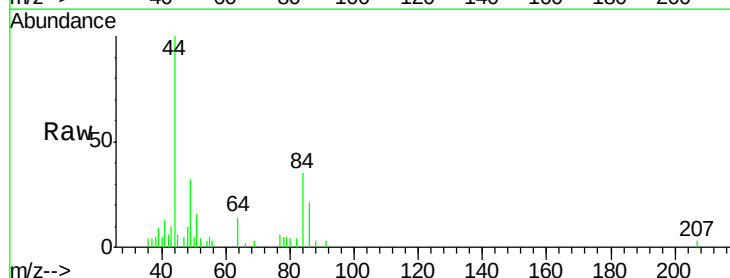
Instrument :
MSVOA_X
ClientSampleId :

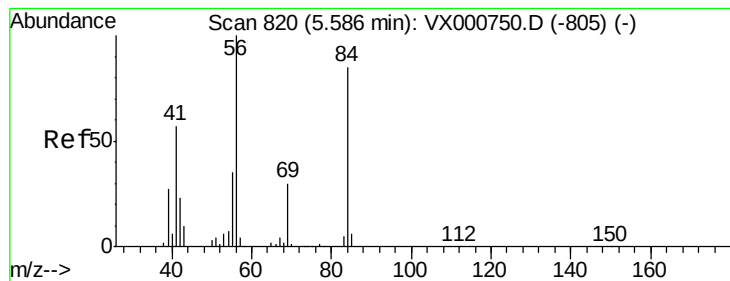
Tot Ion: 43 Resp: 4918
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#20
Methylene Chloride
Concen: 0.527 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000928.D
Acq: 16 Apr 2018 19:14

Tgt Ion: 84 Resp: 1346
Ion Ratio Lower Upper
84 100
49 91.4 98.1 147.1#
51 33.7 28.9 43.3
86 58.3 52.7 79.1





#31

Cyclohexane

Concen: 1.025 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampled :

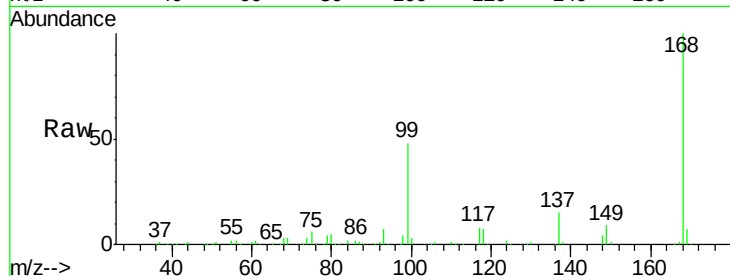
Tot Ion: 56 Resp: 4306

Ion Ratio Lower Upper

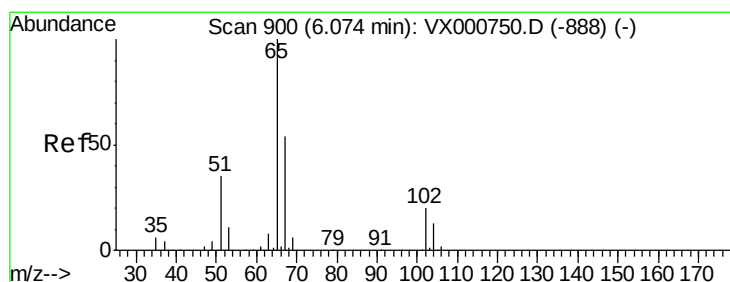
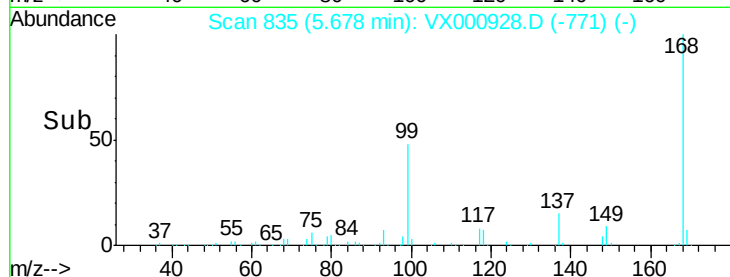
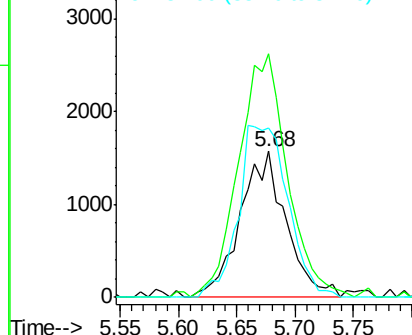
56 100

69 166.9 24.2 36.4#

84 116.1 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: 48.040 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000928.D

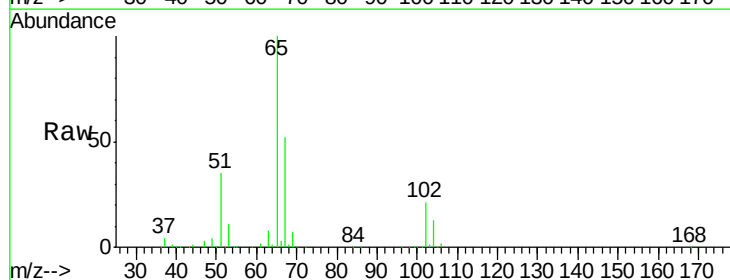
Acq: 16 Apr 2018 19:14

Tgt Ion: 65 Resp: 153115

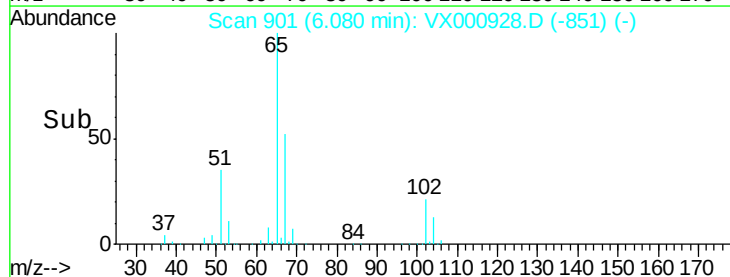
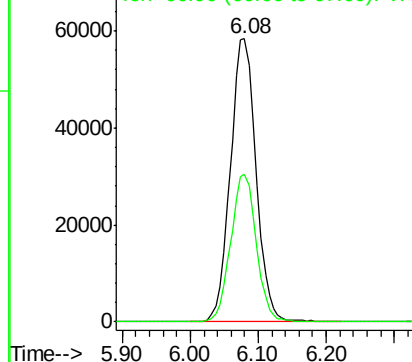
Ion Ratio Lower Upper

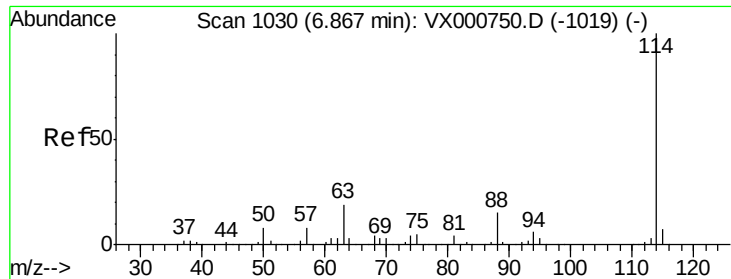
65 100

67 51.8 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: VX000928.D

Acq: 16 Apr 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

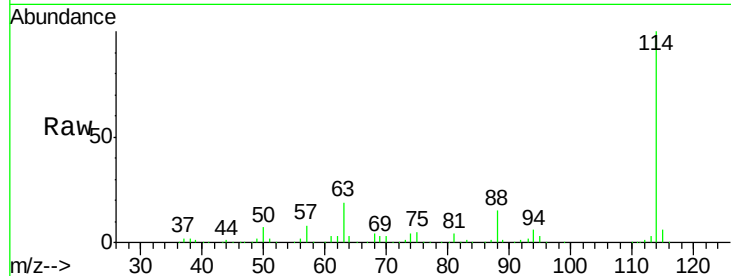
Tot Ion:114 Resp: 348985

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

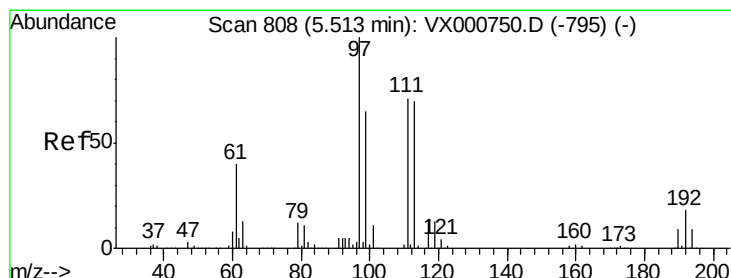
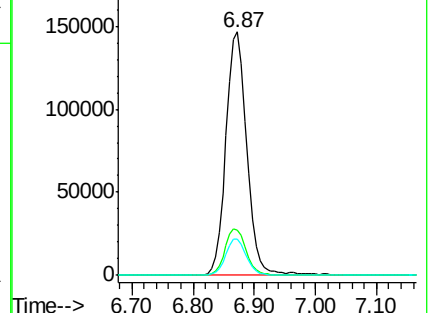
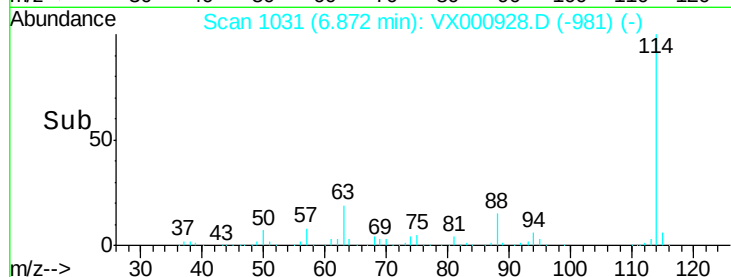
88 14.9 0.0 31.0



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: 45.059 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000928.D

Acq: 16 Apr 2018 19:14

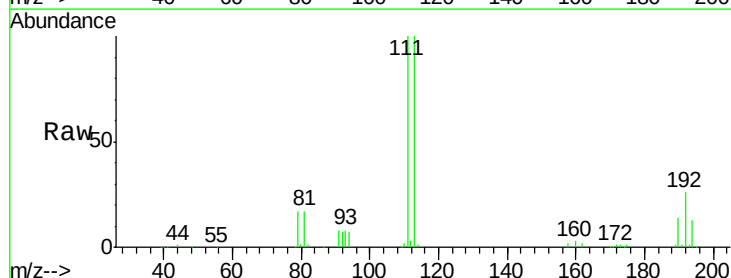
Tgt Ion:113 Resp: 121151

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

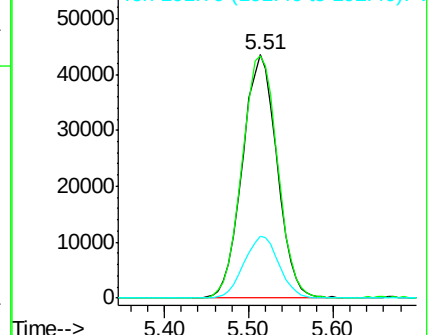
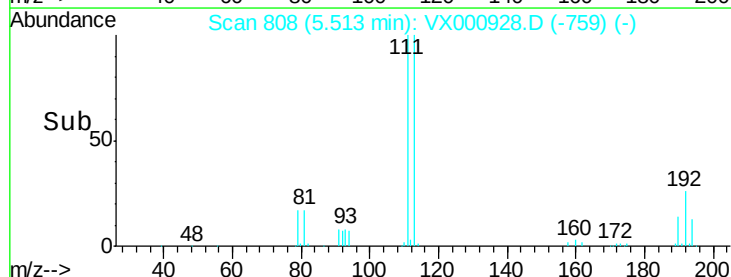
192 25.6 20.4 30.6

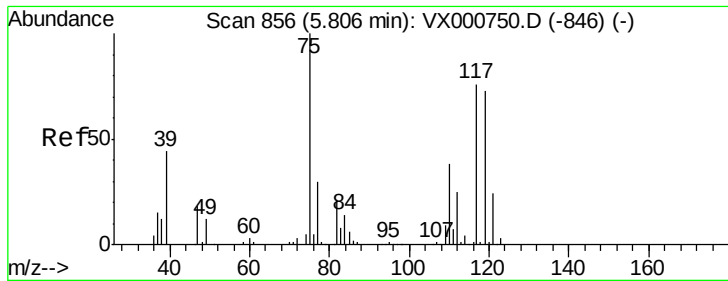


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

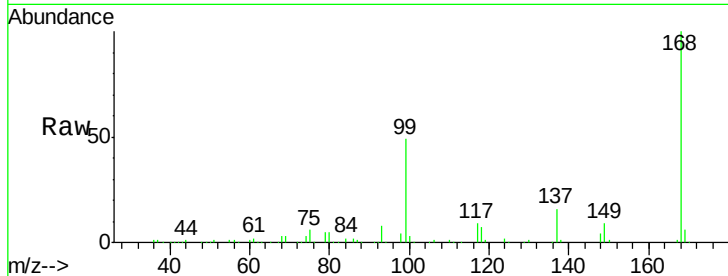




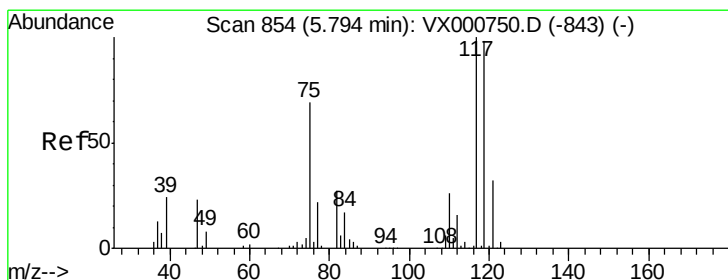
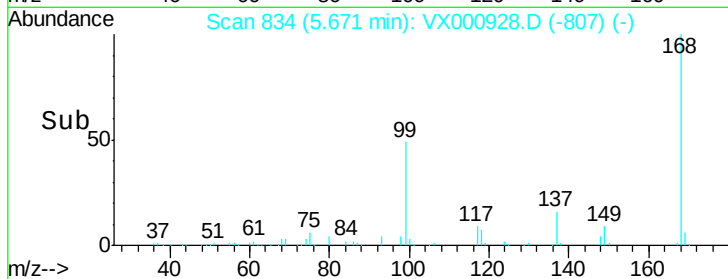
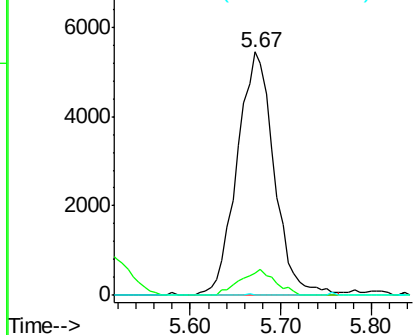
#36
 1,1-Dichloropropene
 Concen: 4.016 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000928.D
 Acq: 16 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 15434
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.2 57.6#
 77 0.1 25.4 38.2#

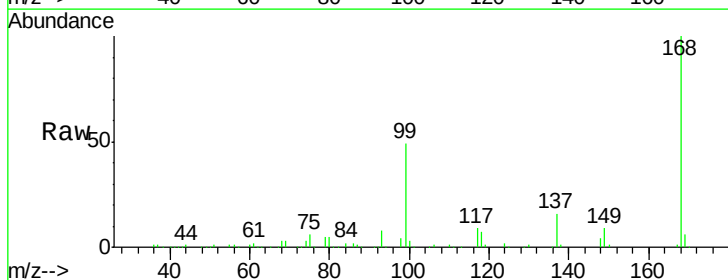


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

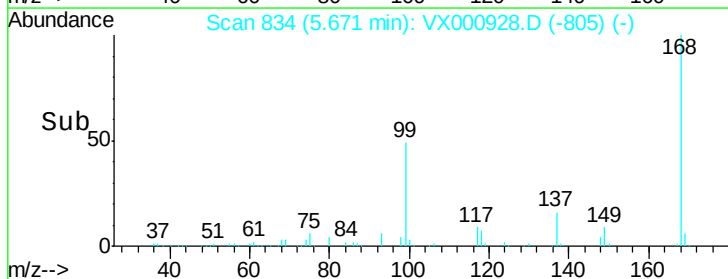
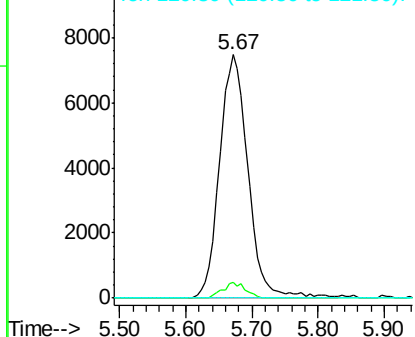


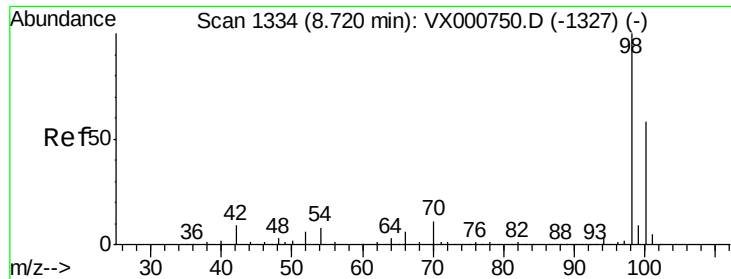
#38
 Carbon Tetrachloride
 Concen: 5.163 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000928.D
 Acq: 16 Apr 2018 19:14

Tgt Ion: 117 Resp: 22211
 Ion Ratio Lower Upper
 117 100
 119 6.4 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

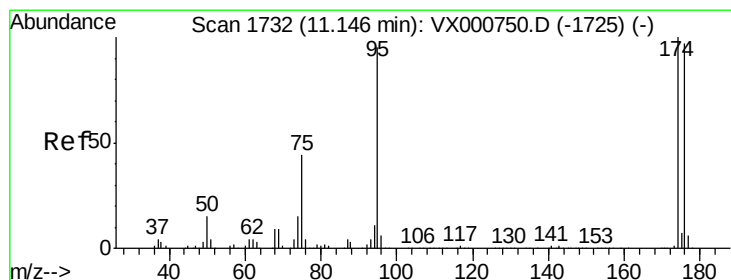
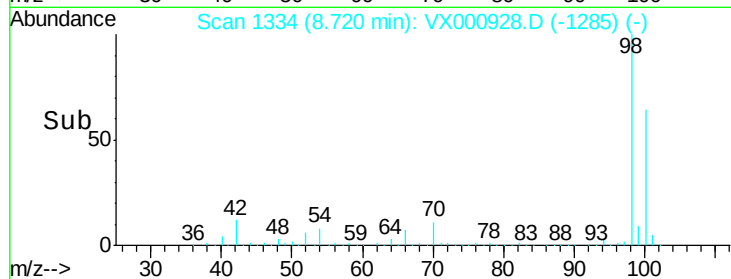
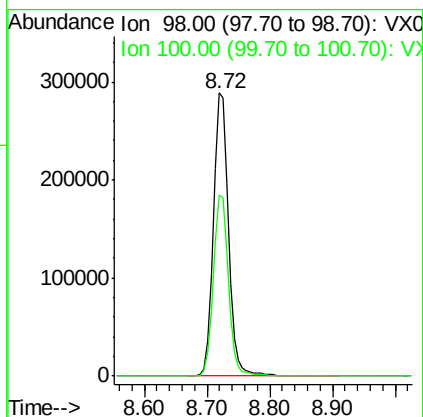
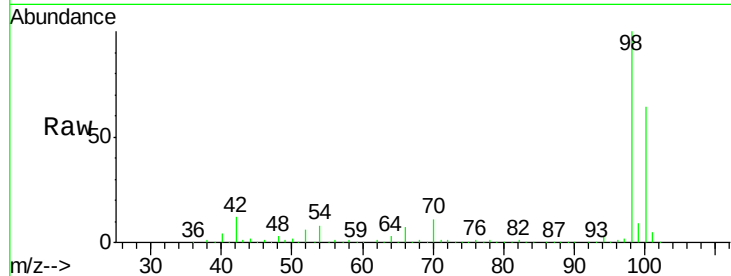




#50
Toluene-d8
Concen: 48.119 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000928.D
Acq: 16 Apr 2018 19:14

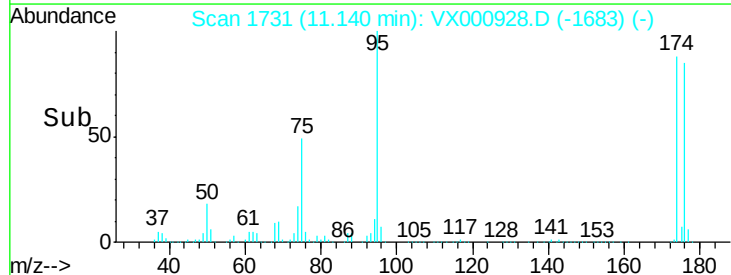
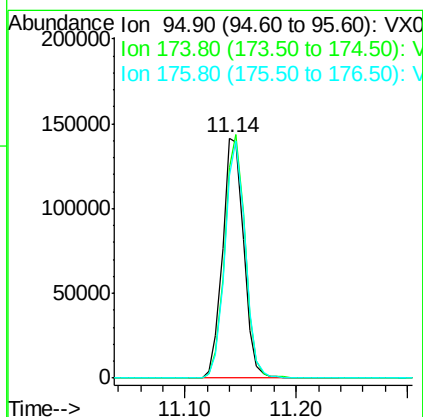
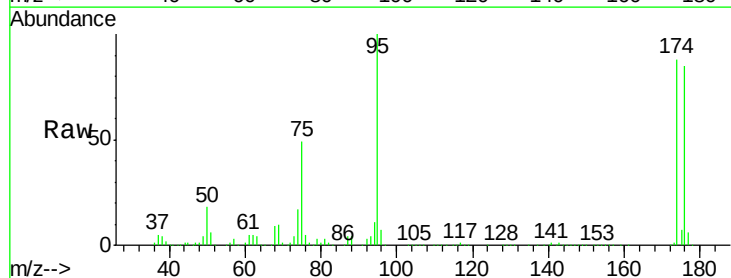
Instrument :
MSVOA_X
ClientSampleId :

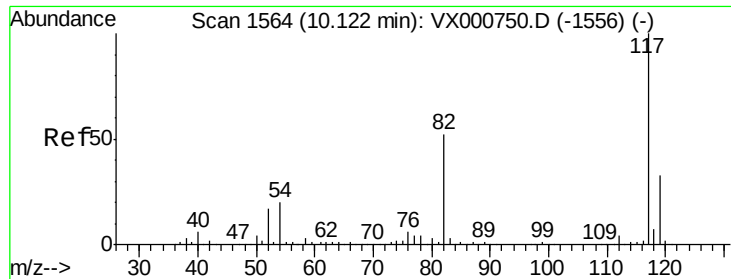
Tot Ion: 98 Resp: 481725
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 45.018 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000928.D
Acq: 16 Apr 2018 19:14

Tgt Ion: 95 Resp: 186459
Ion Ratio Lower Upper
95 100
174 97.4 0.0 198.4
176 95.0 0.0 194.4

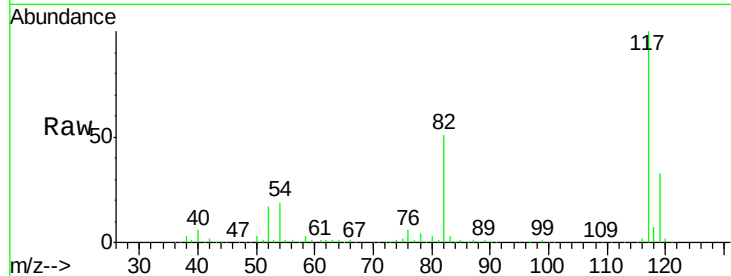




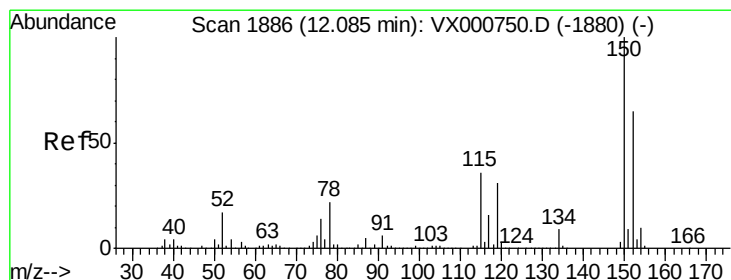
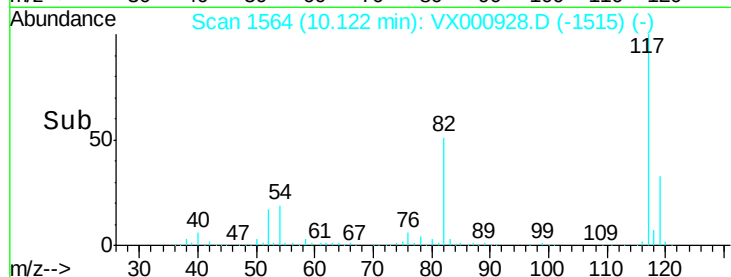
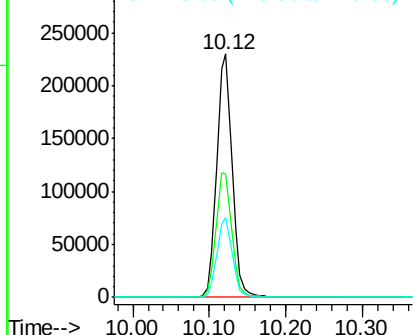
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000928.D
Acq: 16 Apr 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 321360
Ion Ratio Lower Upper
117 100
82 50.8 41.9 62.9
119 32.7 26.0 39.0

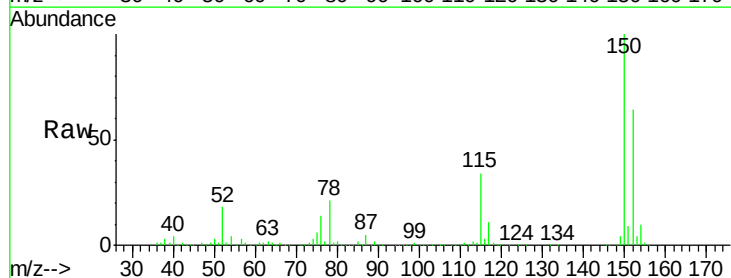


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

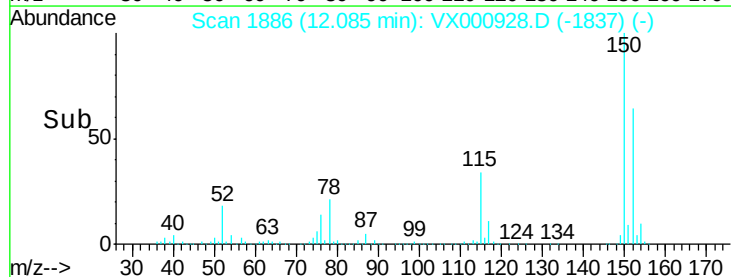
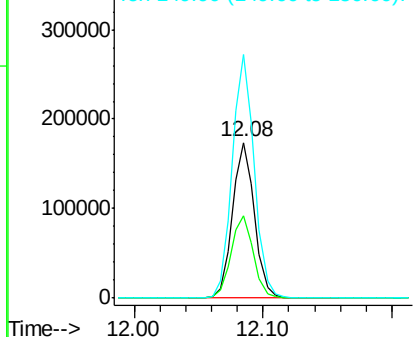


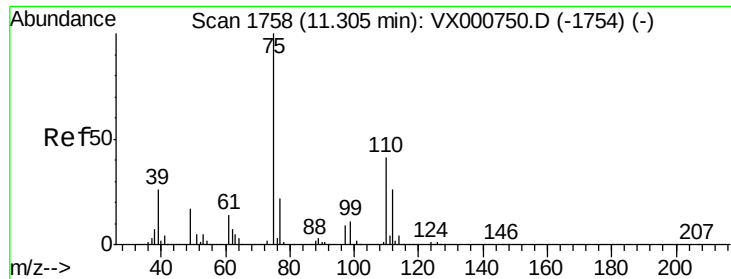
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000928.D
Acq: 16 Apr 2018 19:14

Tgt Ion:152 Resp: 206668
Ion Ratio Lower Upper
152 100
115 53.9 37.9 113.7
150 157.3 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

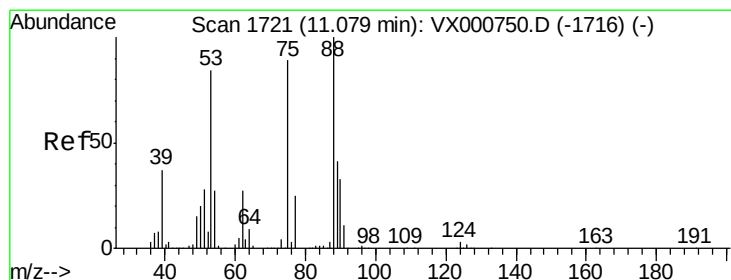
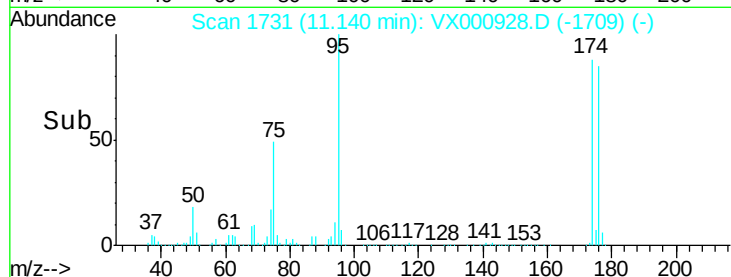
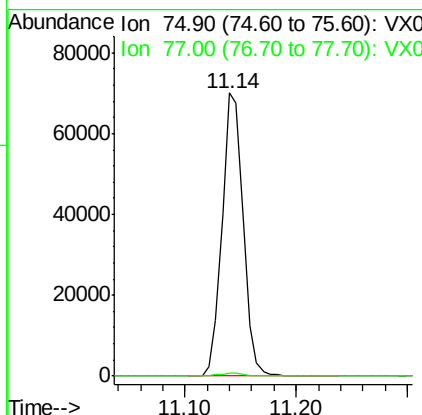
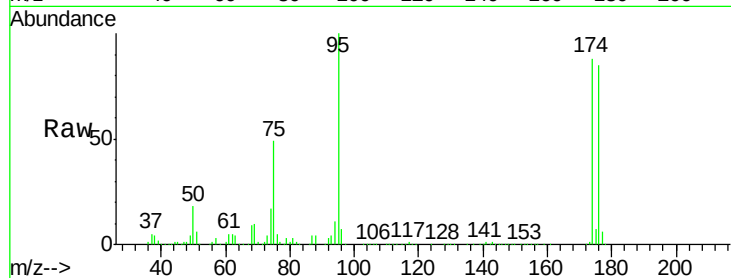




#76
 1,2,3-Trichloropropane
 Concen: 25.772 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000928.D
 Acq: 16 Apr 2018 19:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 91857
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.893 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000928.D
 Acq: 16 Apr 2018 19:14

Tgt Ion: 75 Resp: 91857
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

