

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000945.D
 Acq On : 17 Apr 2018 03:17
 Operator : JC/MD
 Sample : PB108244ZHE#15 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 05:53:20 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	262933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	211844	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	162175	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
35) Dibromofluoromethane	5.51	113	127633	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
50) Toluene-d8	8.72	98	504781	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.14	95	192152	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

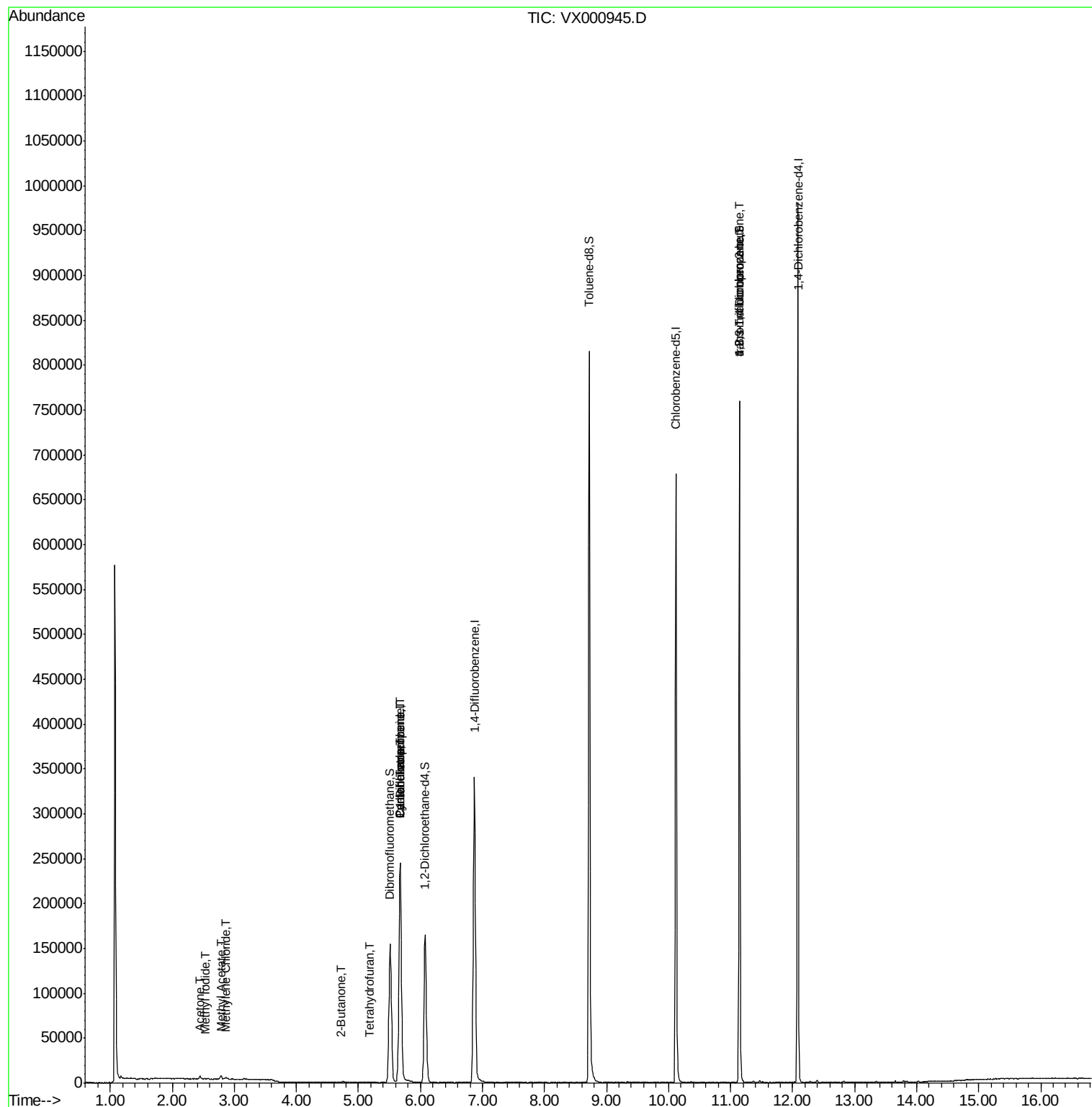
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	312	Below Cal	#	55
10) Methyl Iodide	2.53	142	222	8.324	ug/l #	42
16) Acetone	2.45	43	3416	2.988	ug/l #	87
18) Methyl Acetate	2.78	43	4524	1.529	ug/l	97
20) Methylene Chloride	2.86	84	798	0.300	ug/l #	91
25) 2-Butanone	4.71	43	1410	0.747	ug/l	96
29) Tetrahydrofuran	5.18	42	735	0.613	ug/l #	46
31) Cyclohexane	5.67	56	4512	1.032	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16429	4.106	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22844	5.101	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	94809	25.950	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	94809	71.384	ug/l #	11

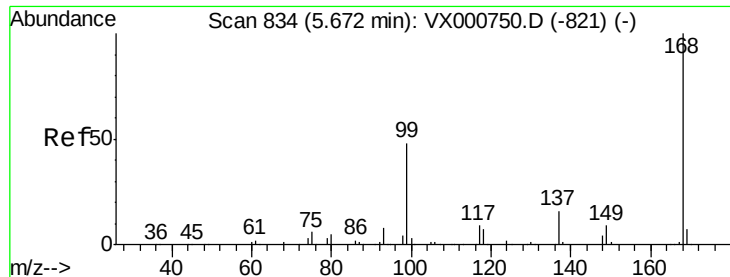
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000945.D

Acq: 17 Apr 2018 03:17

Instrument :

MSVOA_X

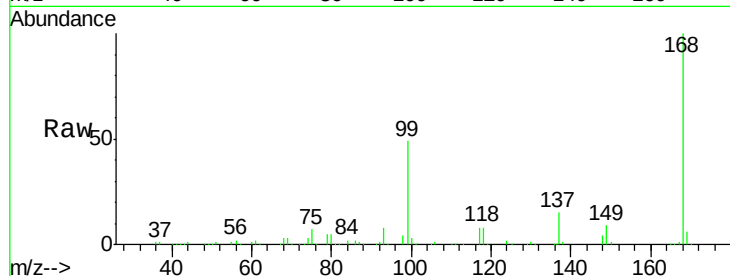
ClientSampleId :

Tot Ion:168 Resp: 262933

Ion Ratio Lower Upper

168 100

99 49.1 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

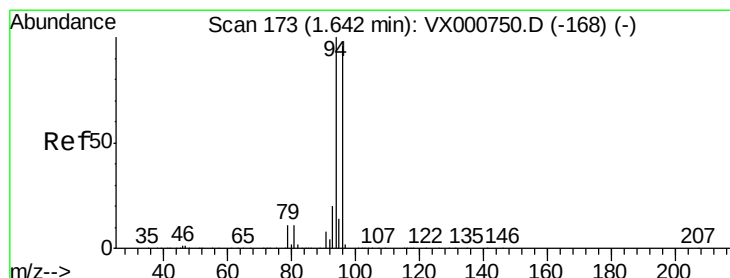
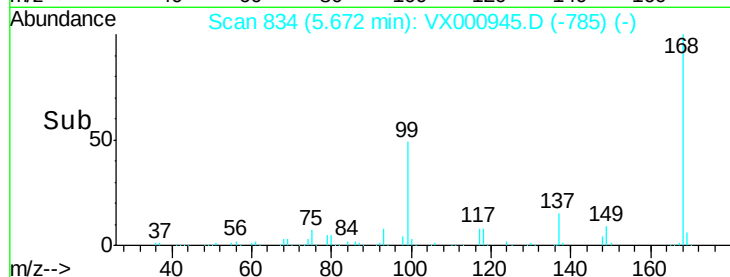
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000945.D

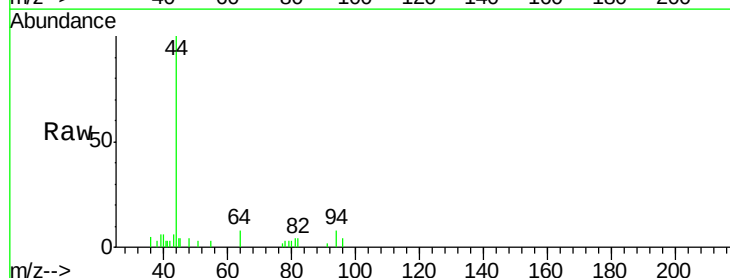
Acq: 17 Apr 2018 03:17

Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

94 100

96 52.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

150

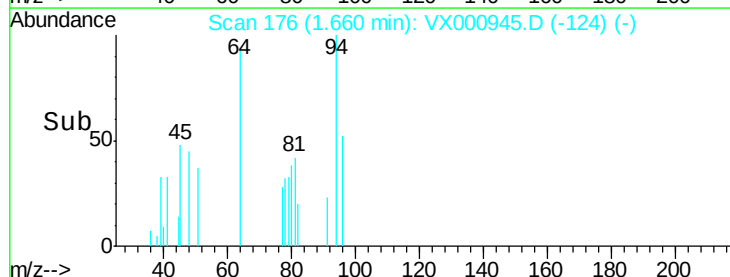
100

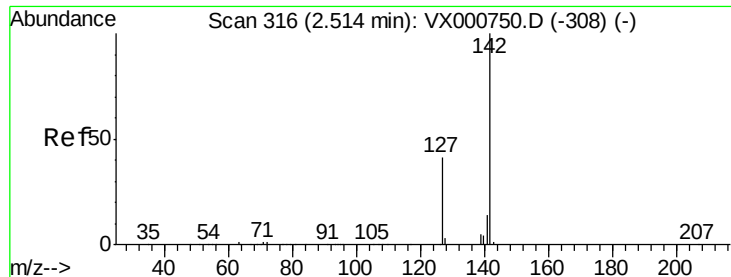
50

0

Time-->

1.65 1.70

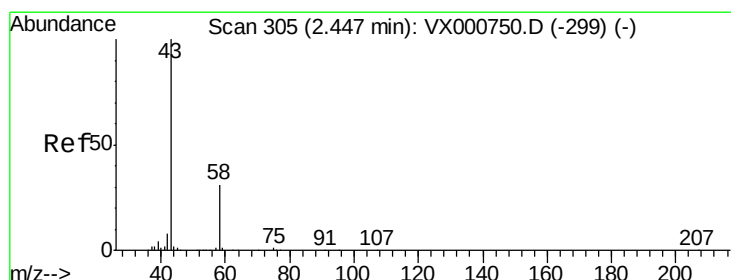
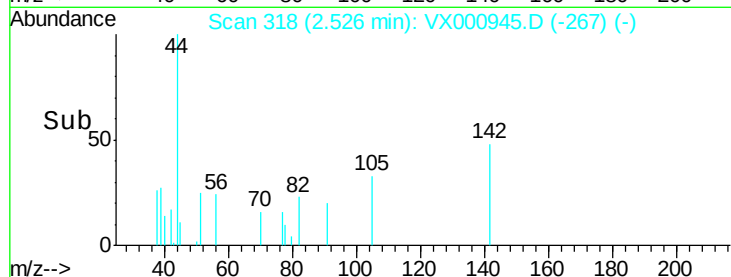
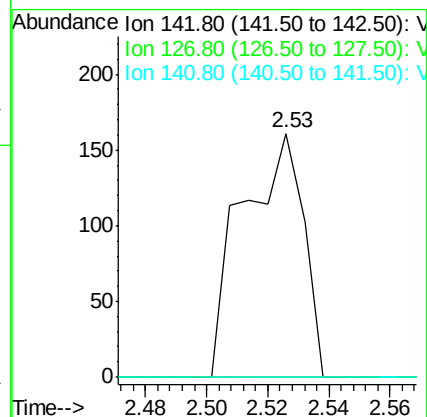
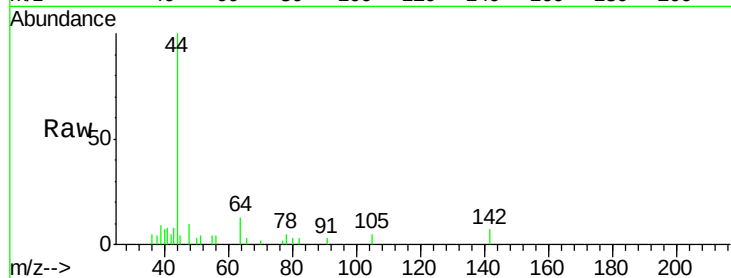




#10
Methvl Iodide
Concen: 8.324 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

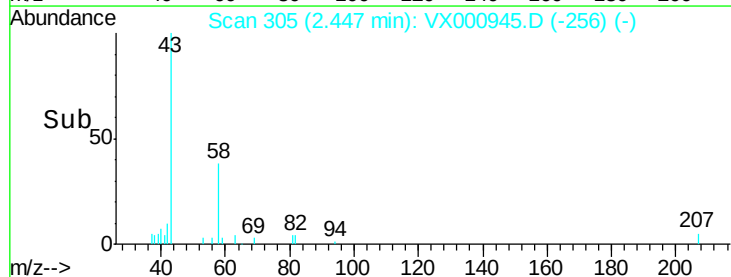
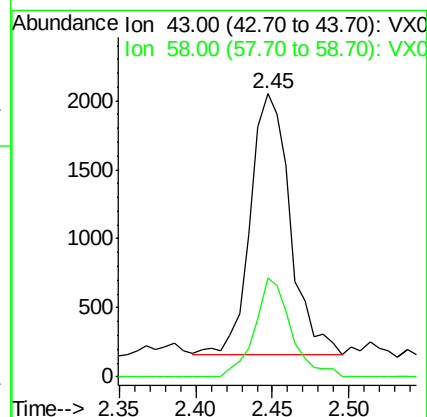
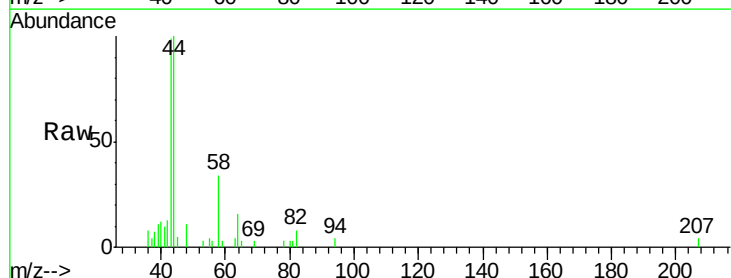
Instrument :
MSVOA_X
ClientSampleId :

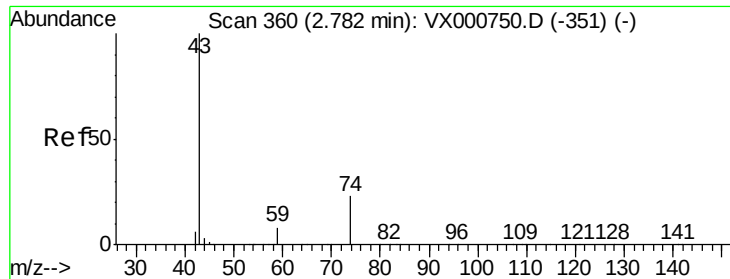
Tot Ion:142 Resp: 222
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 2.988 ug/l
RT: 2.45 min Scan# 305
Delta R.T. 0.00 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

Tgt Ion: 43 Resp: 3416
Ion Ratio Lower Upper
43 100
58 37.8 24.6 37.0#

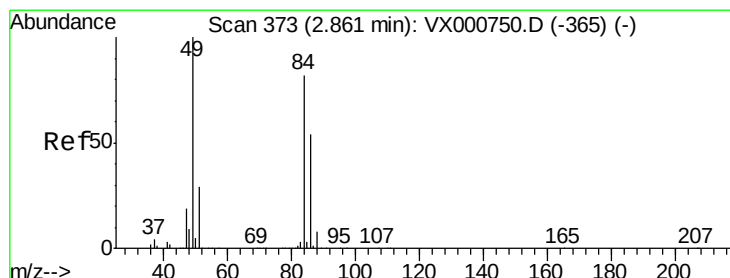
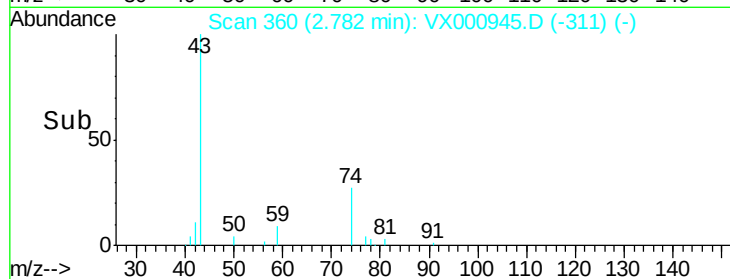
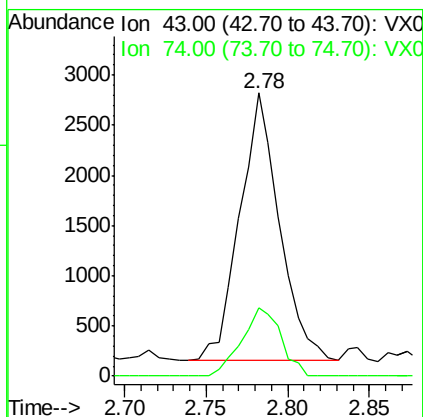
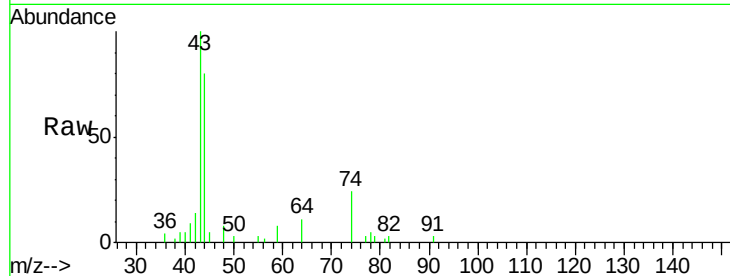




#18
Methvl Acetate
Concen: 1.529 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

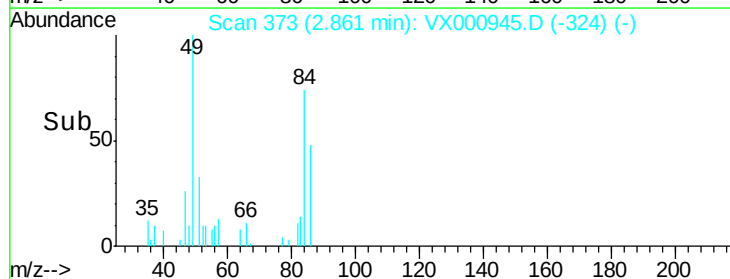
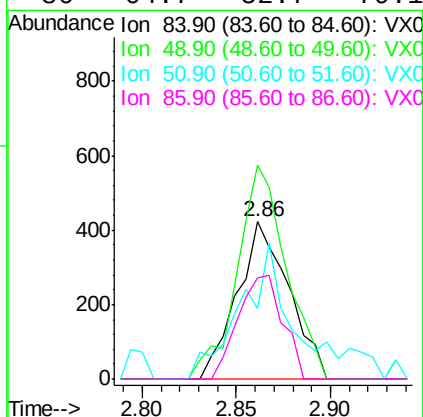
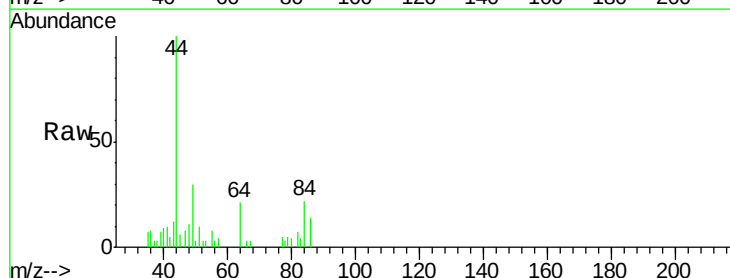
Instrument :
MSVOA_X
ClientSampleId :

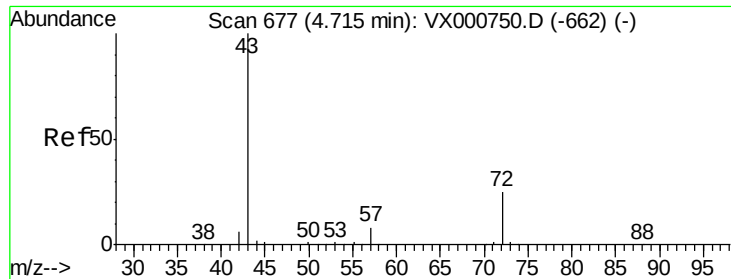
Tot Ion: 43 Resp: 4524
Ion Ratio Lower Upper
43 100
74 25.4 19.1 28.7



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

Tgt Ion: 84 Resp: 798
Ion Ratio Lower Upper
84 100
49 136.0 98.1 147.1
51 45.0 28.9 43.3#
86 64.7 52.7 79.1





#25

2-Butanone

Concen: 0.747 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX000945.D

Acq: 17 Apr 2018 03:17

Instrument :

MSVOA_X

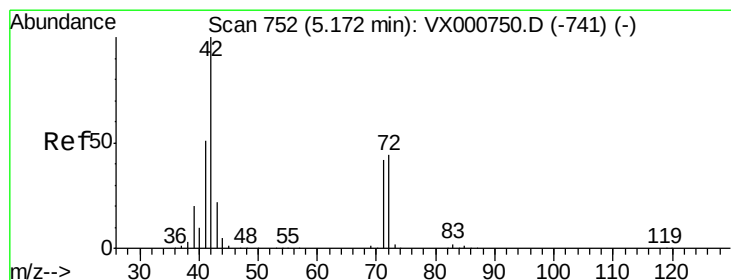
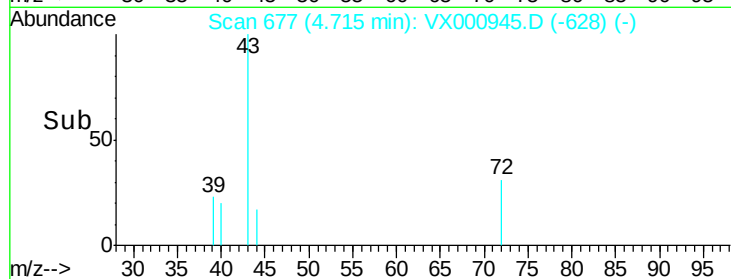
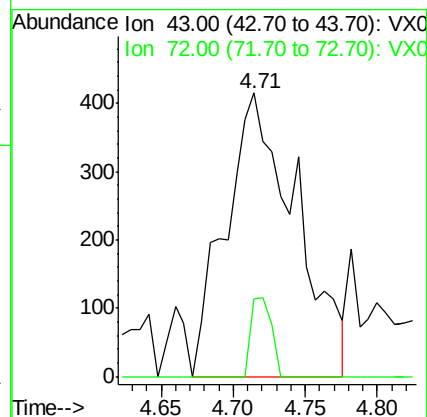
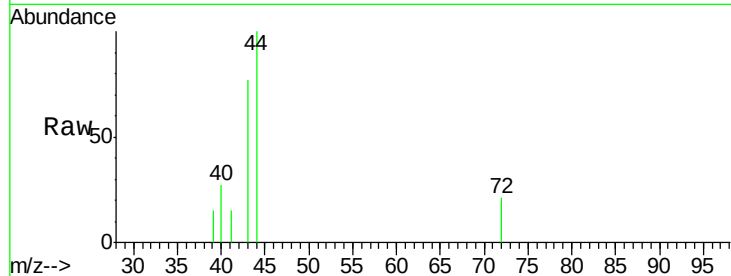
ClientSampled :

Tot Ion: 43 Resp: 1410

Ion Ratio Lower Upper

43 100

72 27.2 20.3 30.5



#29

Tetrahydrofuran

Concen: 0.613 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000945.D

Acq: 17 Apr 2018 03:17

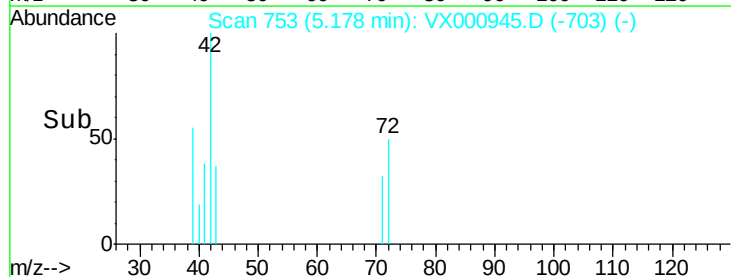
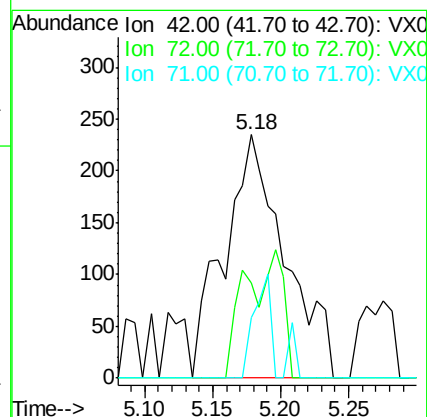
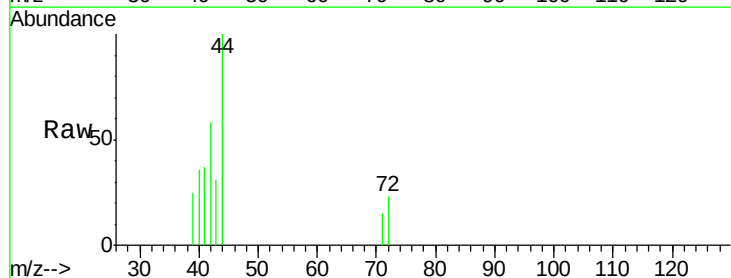
Tgt Ion: 42 Resp: 735

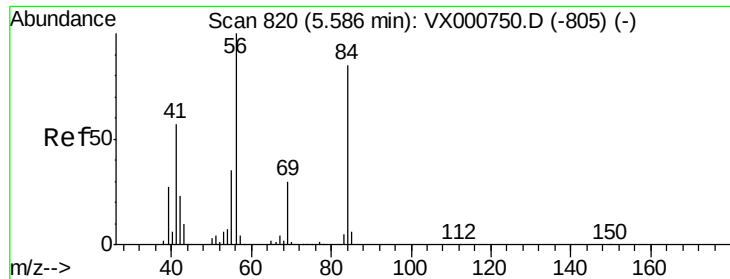
Ion Ratio Lower Upper

42 100

72 16.6 35.1 52.7#

71 0.0 32.8 49.2#

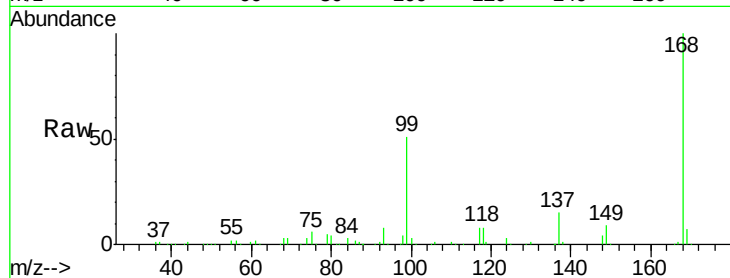




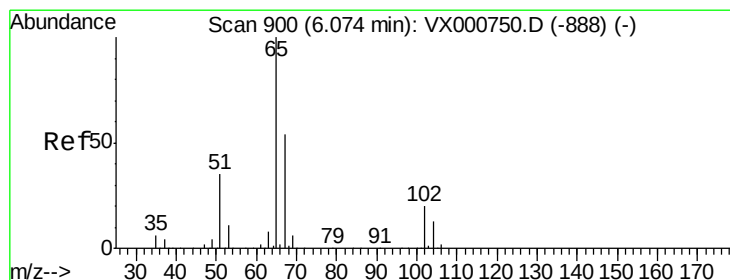
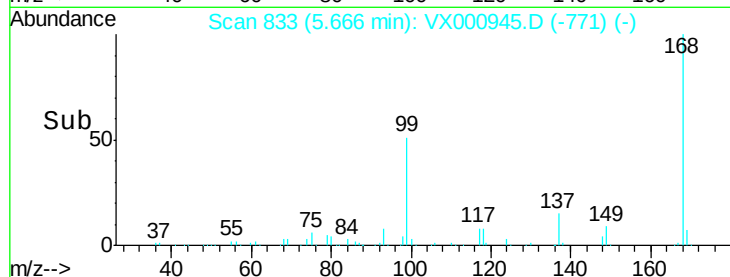
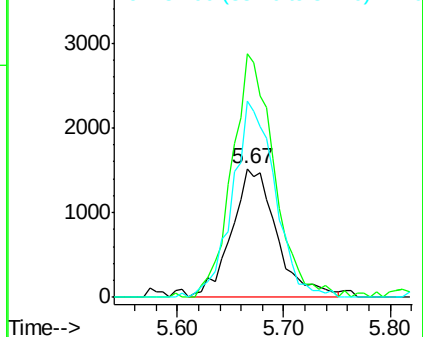
#31
Cyclohexane
Concen: 1.032 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 4512
Ion Ratio Lower Upper
56 100
69 188.9 24.2 36.4#
84 151.8 67.6 101.4#

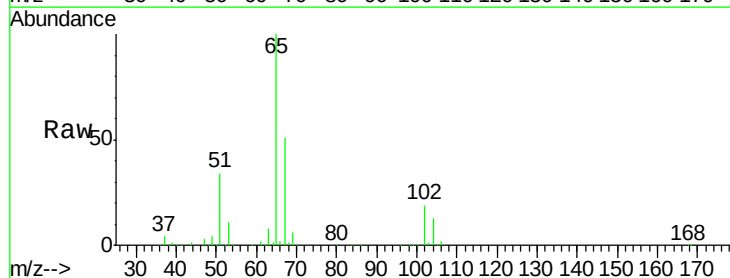


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

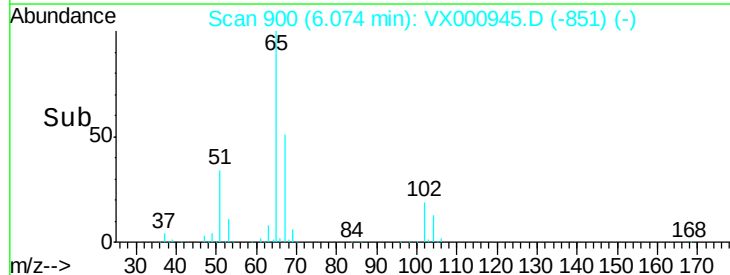
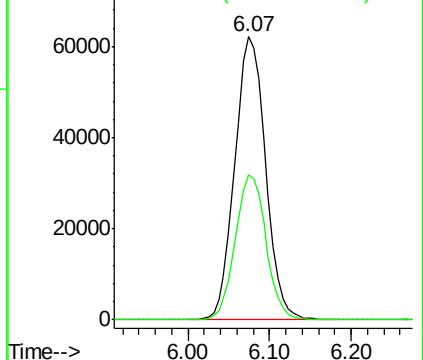


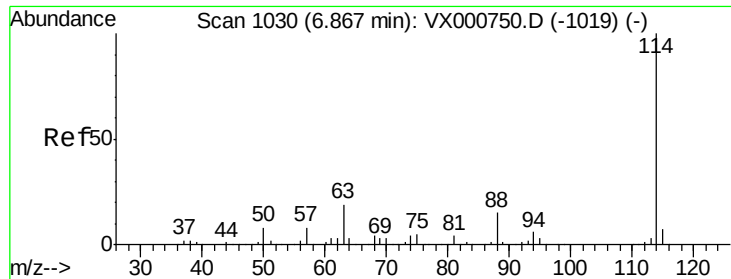
#33
1,2-Dichloroethane-d4
Concen: 48.917 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

Tgt Ion: 65 Resp: 162175
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.8



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

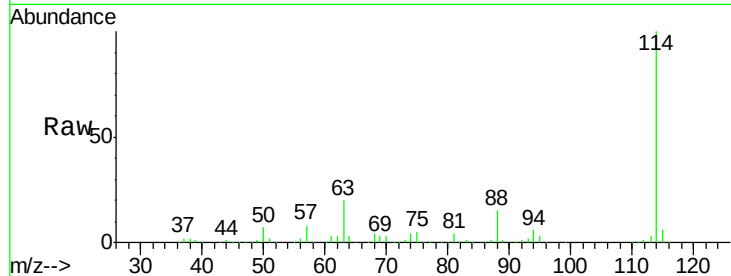




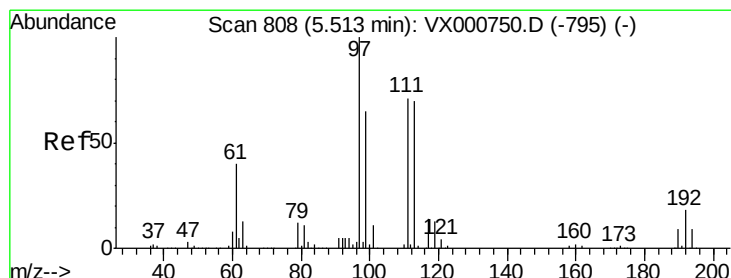
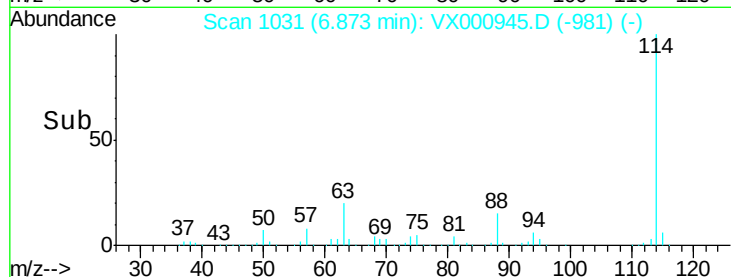
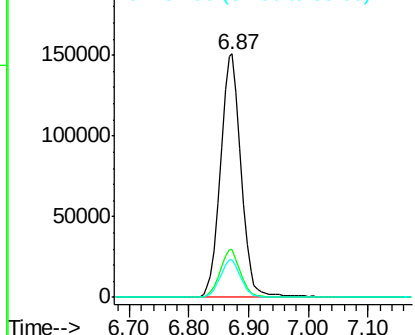
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000945.D
 Acq: 17 Apr 2018 03:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 363280
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.4
 88 15.3 0.0 31.0

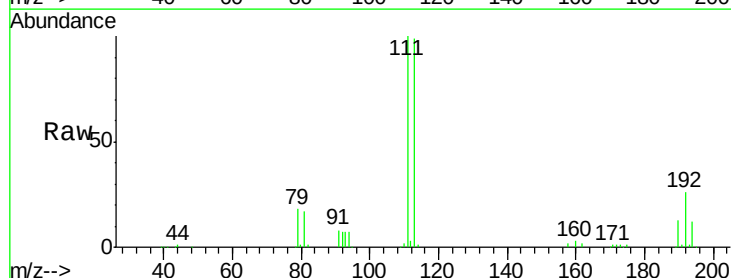


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

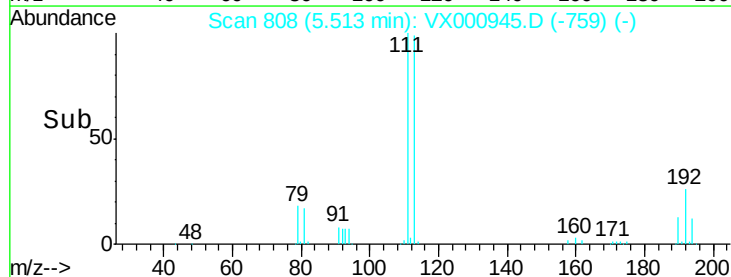
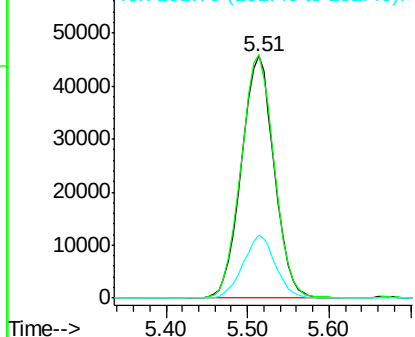


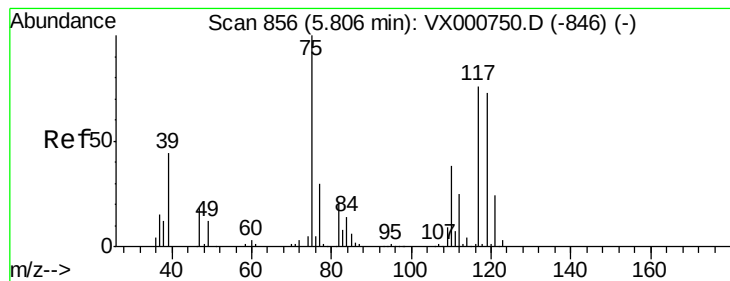
#35
 Dibromofluoromethane
 Concen: 45.602 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000945.D
 Acq: 17 Apr 2018 03:17

Tgt Ion:113 Resp: 127633
 Ion Ratio Lower Upper
 113 100
 111 101.8 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: 4.106 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000945.D

Acq: 17 Apr 2018 03:17

Instrument :

MSVOA_X

ClientSampleId :

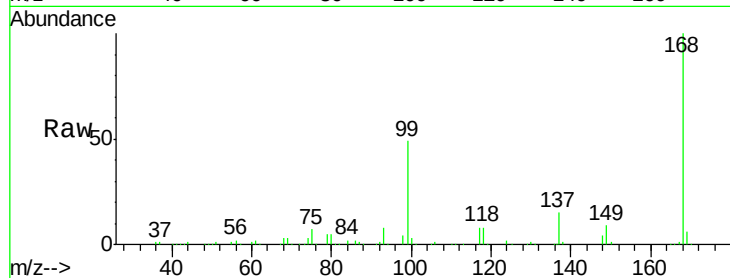
Tot Ion: 75 Resp: 16429

Ion Ratio Lower Upper

75 100

110 8.9 19.2 57.6#

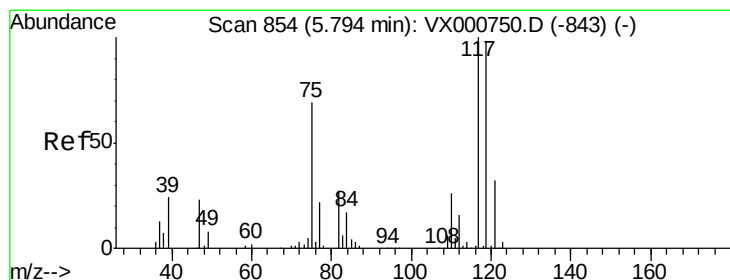
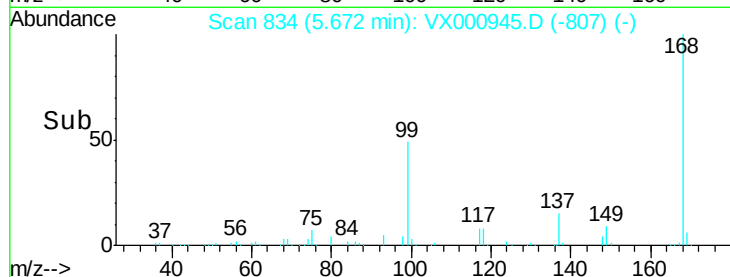
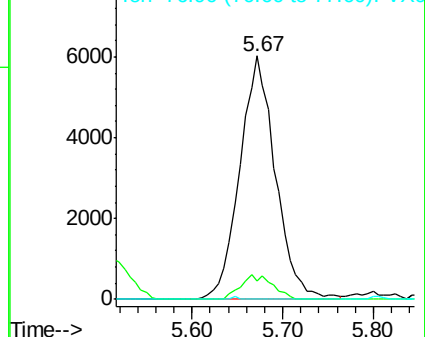
77 0.0 25.4 38.2#



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: 5.101 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000945.D

Acq: 17 Apr 2018 03:17

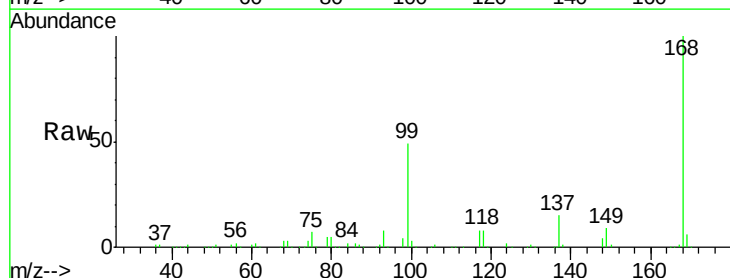
Tgt Ion: 117 Resp: 22844

Ion Ratio Lower Upper

117 100

119 4.3 78.4 117.6#

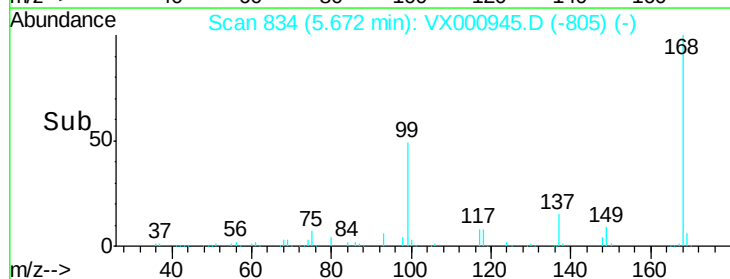
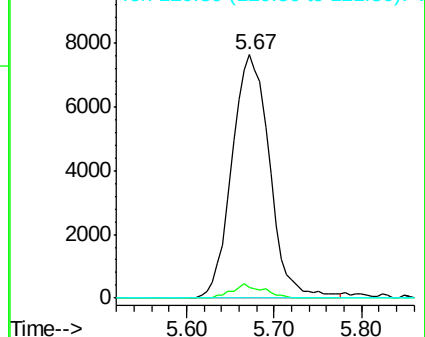
121 0.0 25.4 38.0#

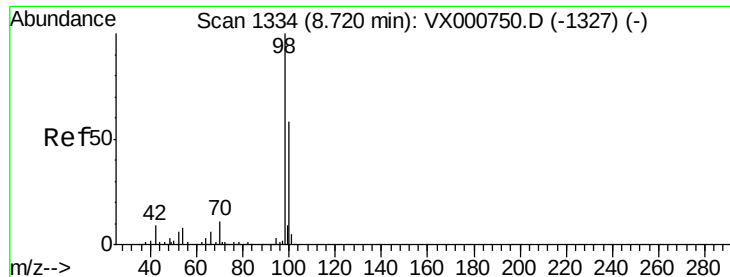


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

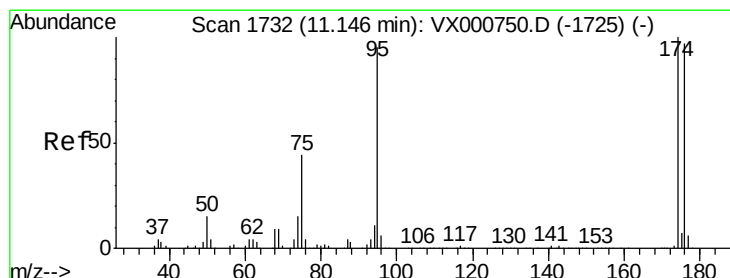
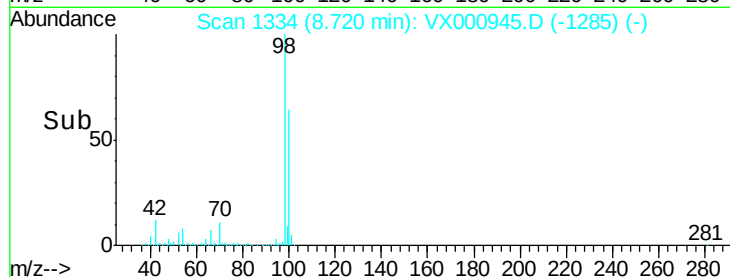
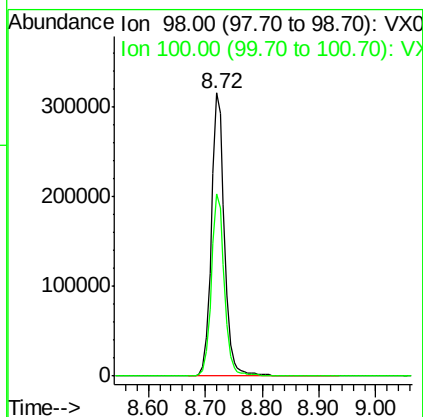
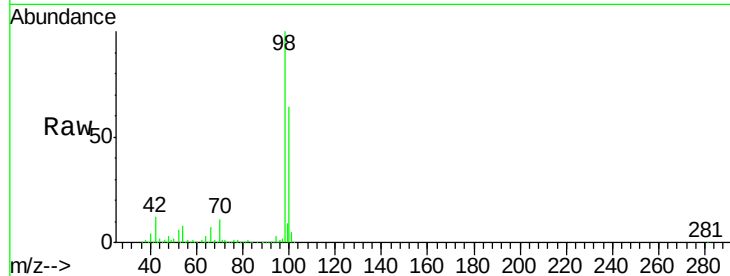




#50
Toluene-d8
Concen: 48.438 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

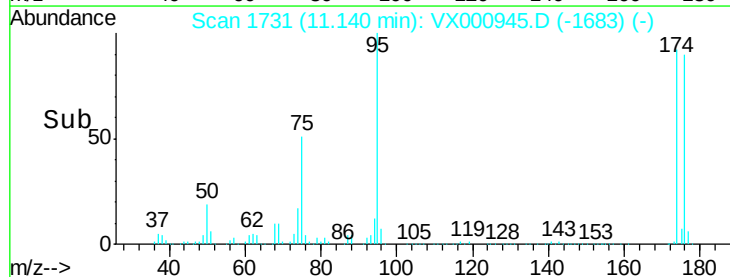
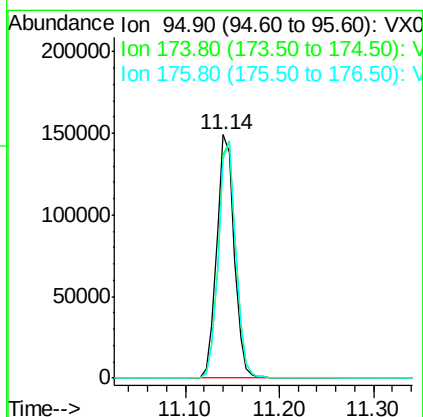
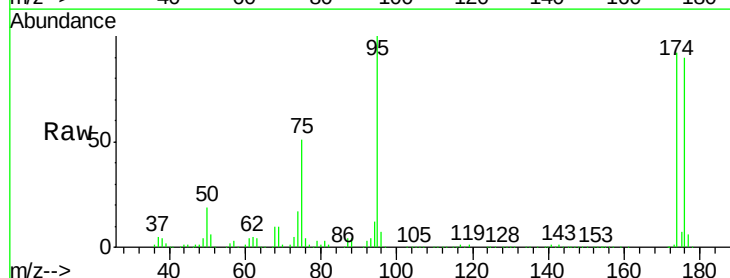
Instrument :
MSVOA_X
ClientSampleId :

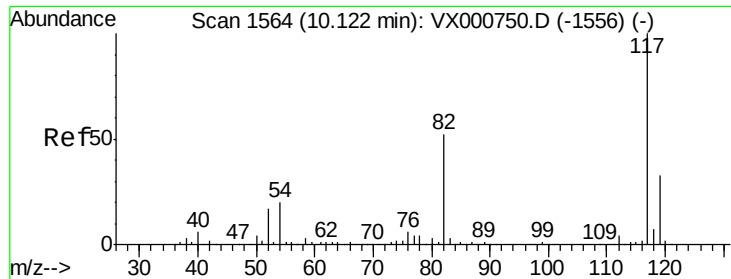
Tot Ion: 98 Resp: 504781
Ion Ratio Lower Upper
98 100
100 64.5 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 44.567 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000945.D
Acq: 17 Apr 2018 03:17

Tgt Ion: 95 Resp: 192152
Ion Ratio Lower Upper
95 100
174 97.6 0.0 198.4
176 96.2 0.0 194.4

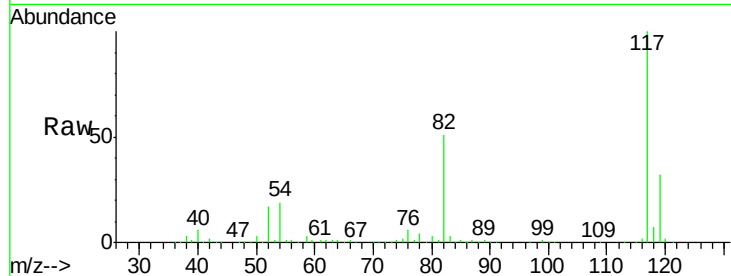




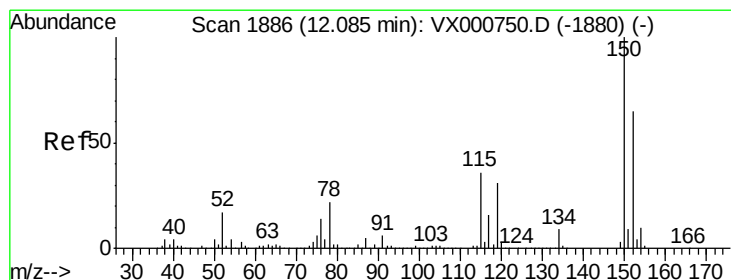
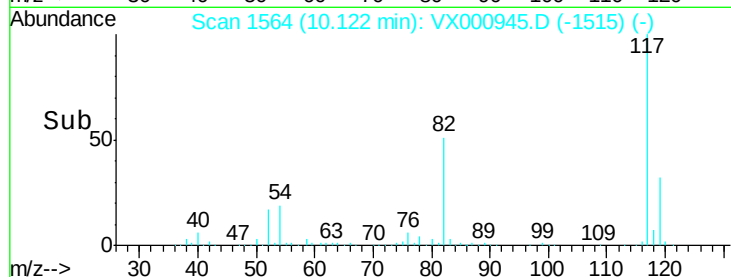
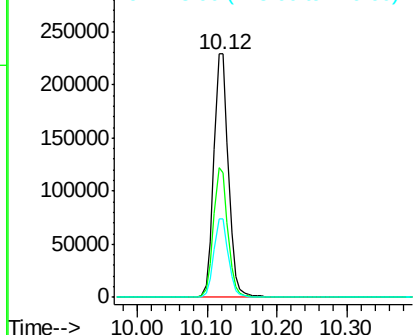
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VX000945.D
 Acq: 17 Apr 2018 03:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:117 Resp: 333944
 Ion Ratio Lower Upper
 117 100
 82 51.2 41.9 62.9
 119 32.3 26.0 39.0

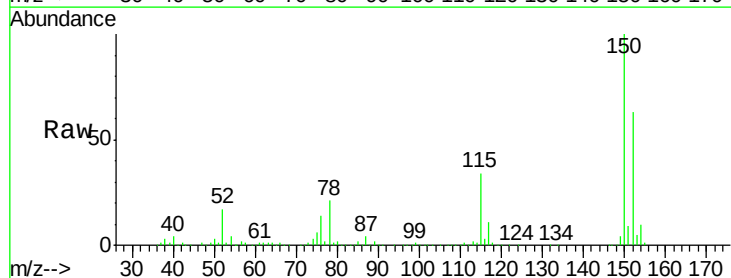


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

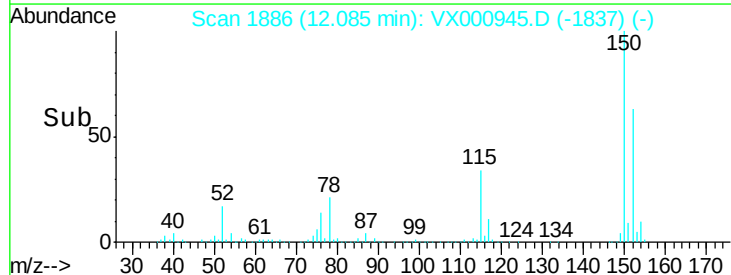
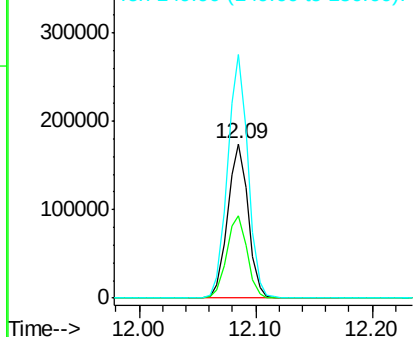


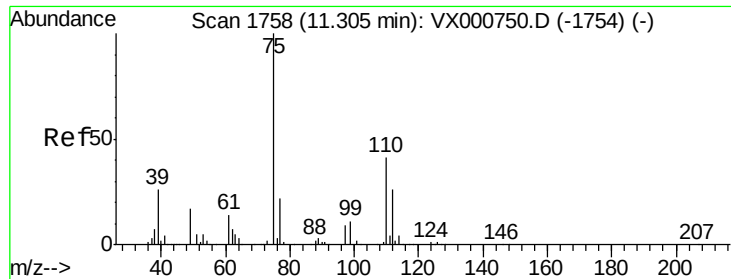
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX000945.D
 Acq: 17 Apr 2018 03:17

Tgt Ion:152 Resp: 211844
 Ion Ratio Lower Upper
 152 100
 115 53.7 37.9 113.7
 150 156.6 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

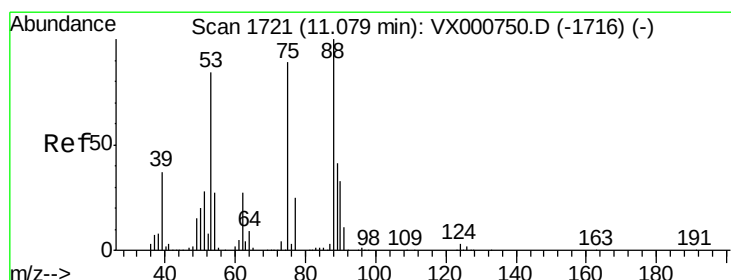
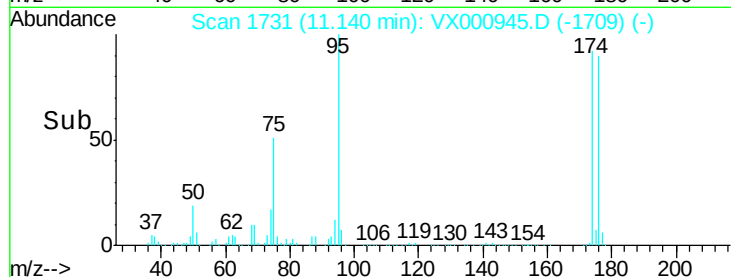
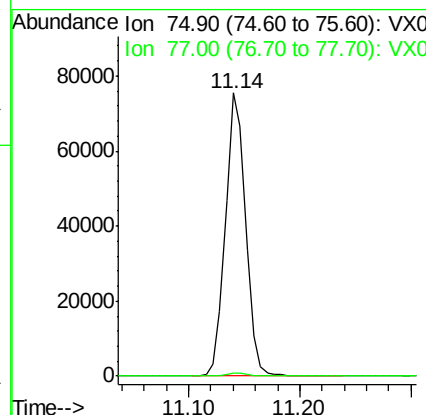
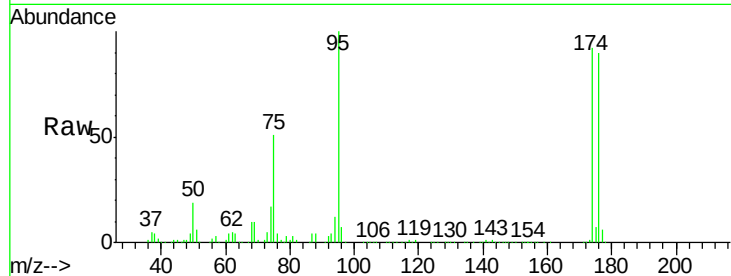




#76
 1,2,3-Trichloropropane
 Concen: 25.950 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000945.D
 Acq: 17 Apr 2018 03:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 94809
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.384 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000945.D
 Acq: 17 Apr 2018 03:17

Tgt Ion: 75 Resp: 94809
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

