

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000949.D
 Acq On : 17 Apr 2018 04:59
 Operator : JC/MD
 Sample : J2349-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 05:54:27 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	264715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	221997	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	164362	49.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.48%	
35) Dibromofluoromethane	5.51	113	129002	45.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.96%	
50) Toluene-d8	8.72	98	514094	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.14	95	198473	45.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.84%	

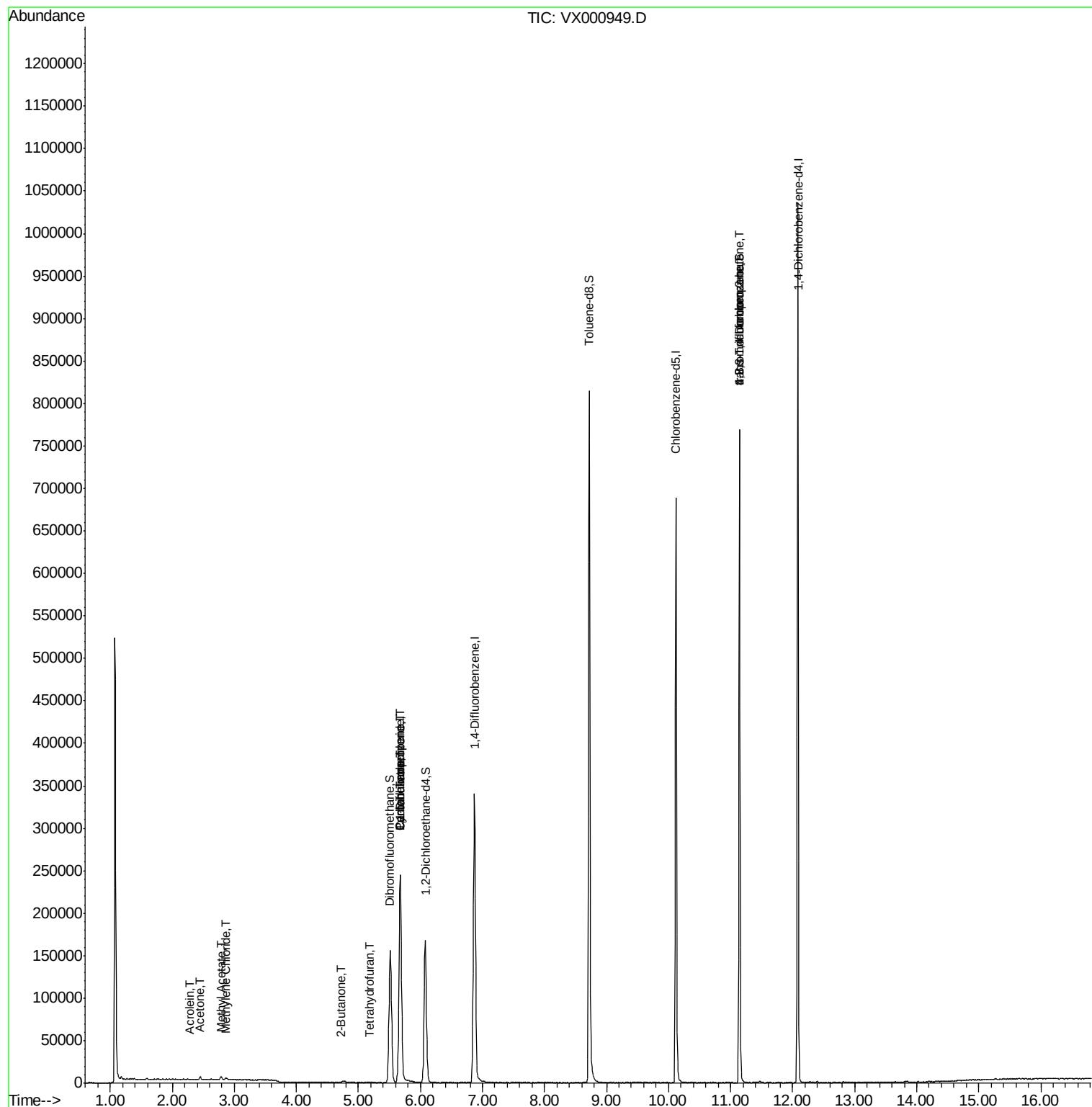
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	172	Below Cal		82
13) Acrolein	2.29	56	156	0.542	ug/l #	13
16) Acetone	2.45	43	3475	3.019	ug/l	99
18) Methyl Acetate	2.78	43	4130	1.387	ug/l	94
20) Methylene Chloride	2.87	84	864	0.323	ug/l #	79
25) 2-Butanone	4.71	43	1099	0.578	ug/l #	50
29) Tetrahydrofuran	5.18	42	434	0.360	ug/l #	64
31) Cyclohexane	5.68	56	4688	1.066	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16149	3.983	ug/l #	49
38) Carbon Tetrachloride	5.68	117	23087	5.087	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	98409	25.704	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	98409	70.706	ug/l #	11

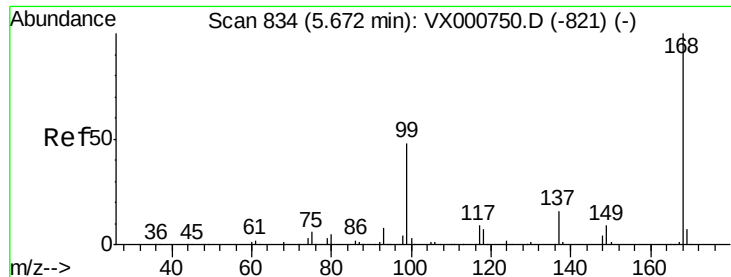
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000949.D

Acq: 17 Apr 2018 04:59

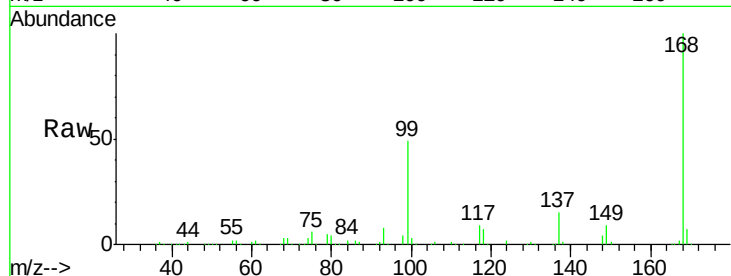
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 264715

Ion Ratio Lower Upper

168 100

99 48.9 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

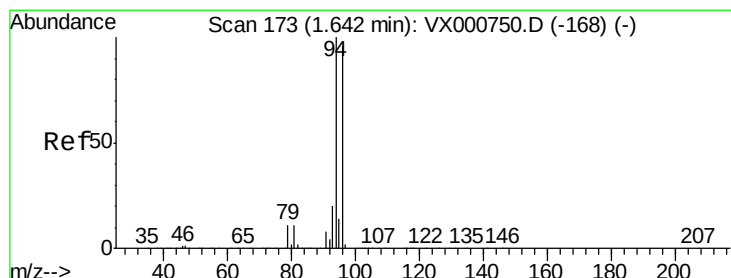
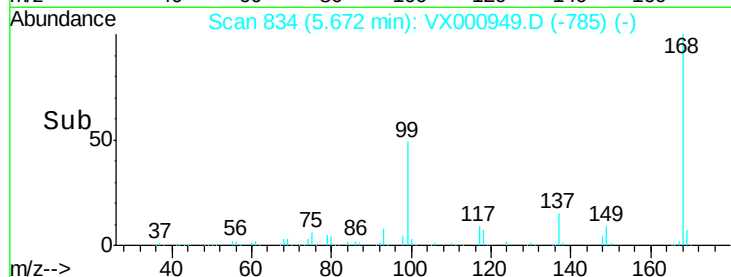
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000949.D

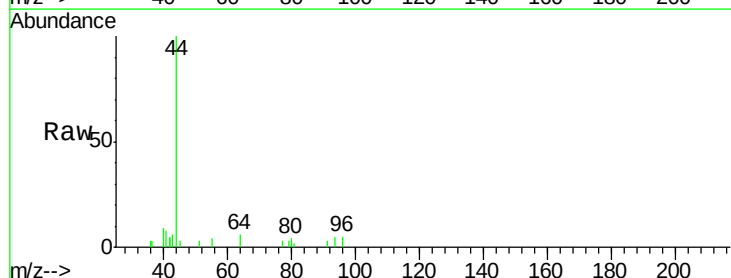
Acq: 17 Apr 2018 04:59

Tgt Ion: 94 Resp: 172

Ion Ratio Lower Upper

94 100

96 113.8 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

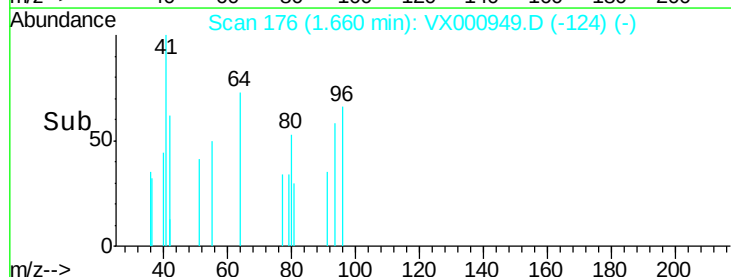
150

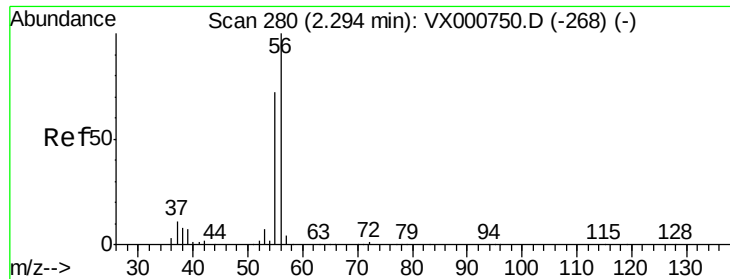
100

50

0

Time--> 1.65 1.70





#13

Acrolein

Concen: 0.542 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000949.D

Acq: 17 Apr 2018 04:59

Instrument :

MSVOA_X

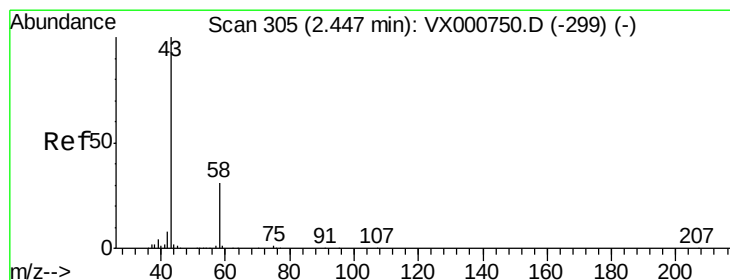
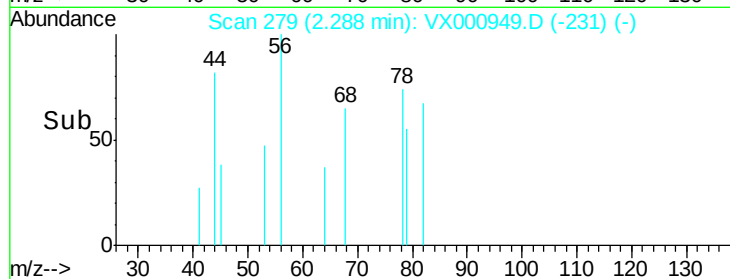
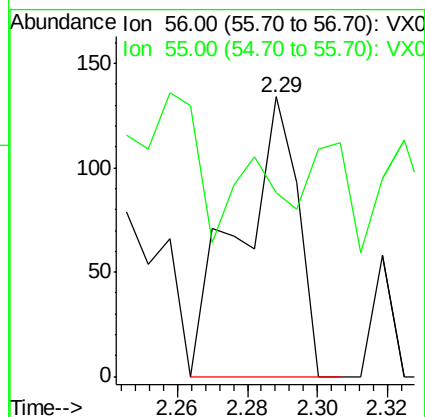
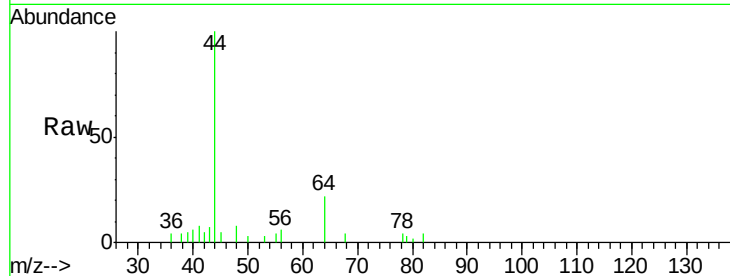
ClientSampled :

Tot Ion: 56 Resp: 156

Ion Ratio Lower Upper

56 100

55 0.0 58.7 88.1#



#16

Acetone

Concen: 3.019 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX000949.D

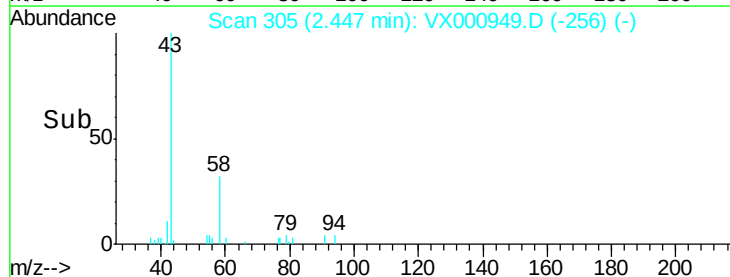
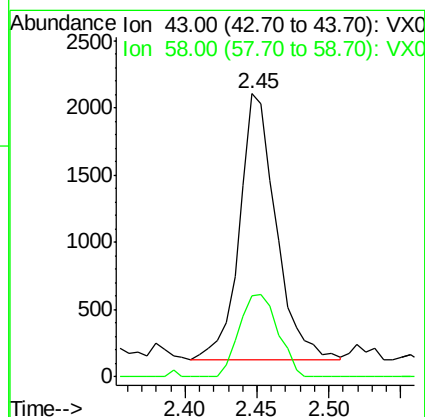
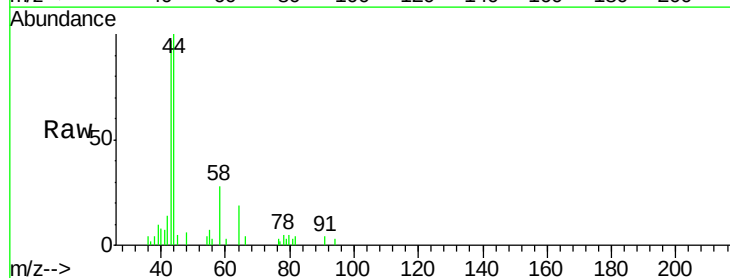
Acq: 17 Apr 2018 04:59

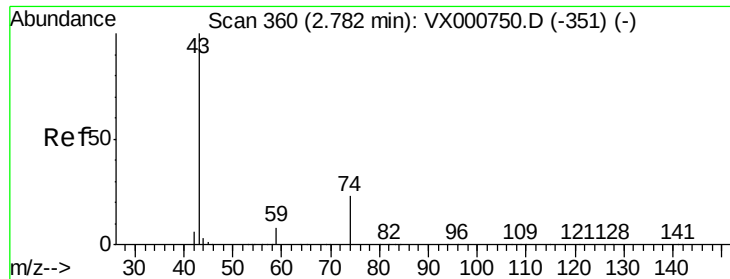
Tgt Ion: 43 Resp: 3475

Ion Ratio Lower Upper

43 100

58 30.4 24.6 37.0

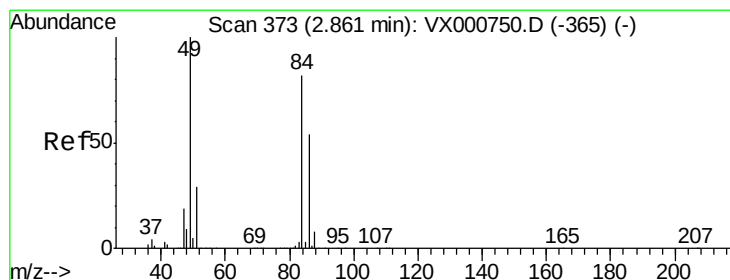
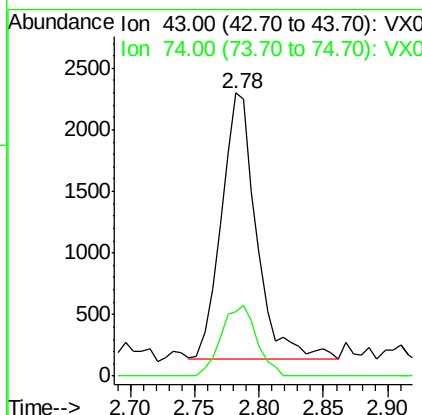
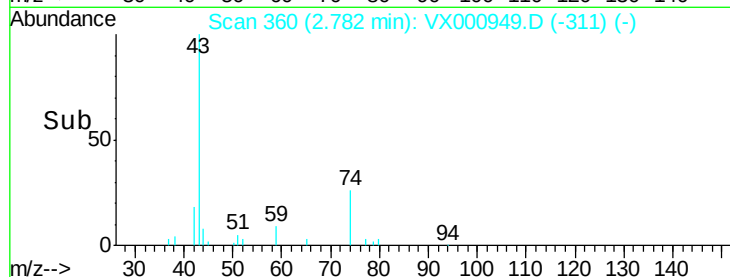
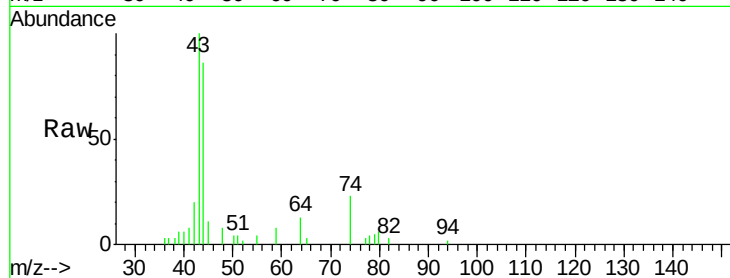




#18
Methvl Acetate
Concen: 1.387 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000949.D
Acq: 17 Apr 2018 04:59

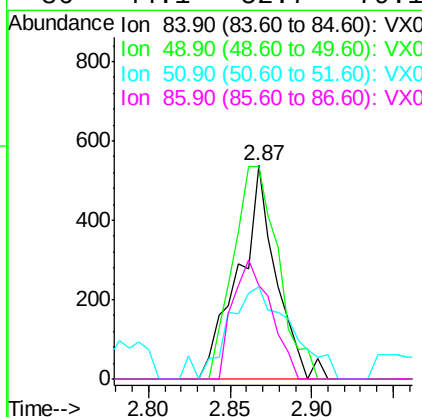
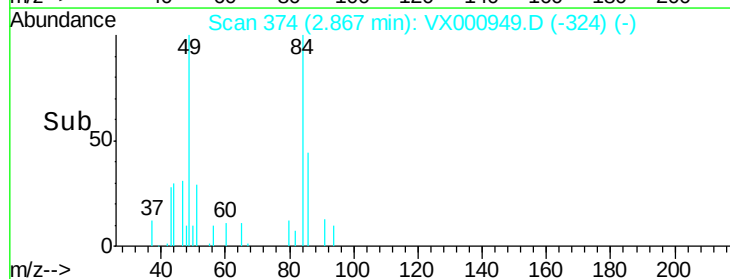
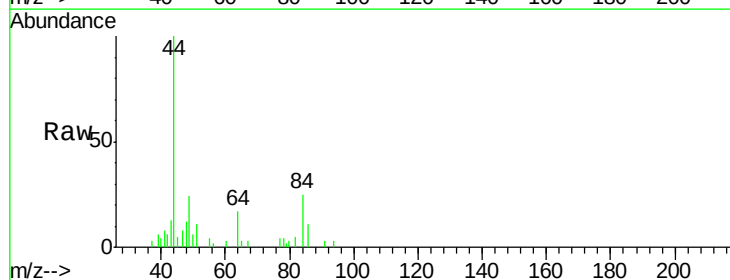
Instrument :
MSVOA_X
ClientSampleId :

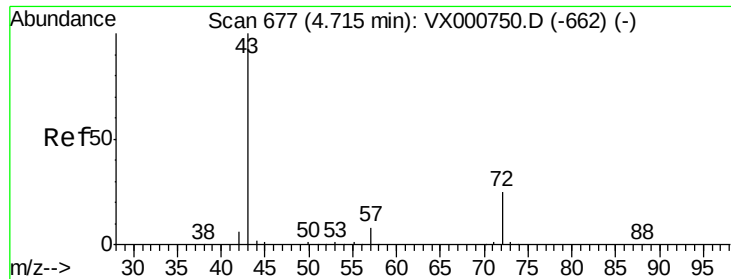
Tot Ion: 43 Resp: 4130
Ion Ratio Lower Upper
43 100
74 26.7 19.1 28.7



#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000949.D
Acq: 17 Apr 2018 04:59

Tgt Ion: 84 Resp: 864
Ion Ratio Lower Upper
84 100
49 99.6 98.1 147.1
51 43.3 28.9 43.3
86 44.1 52.7 79.1#





#25

2-Butanone

Concen: 0.578 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX000949.D

Acq: 17 Apr 2018 04:59

Instrument :

MSVOA_X

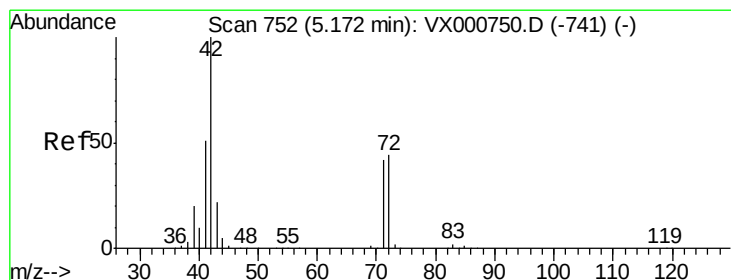
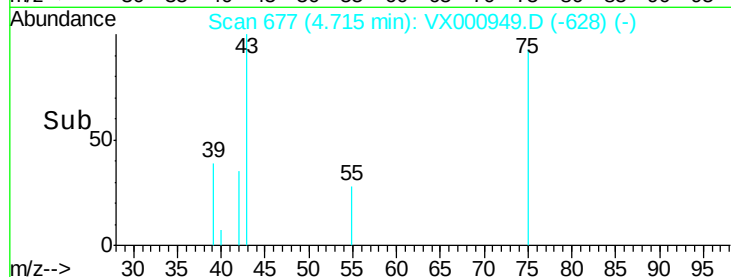
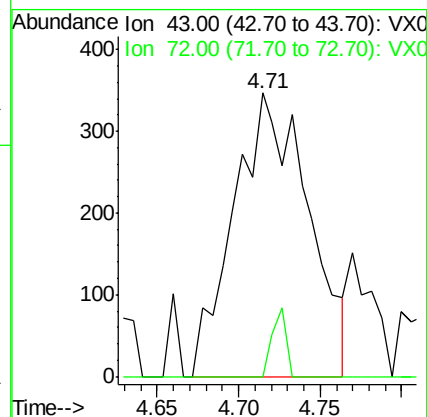
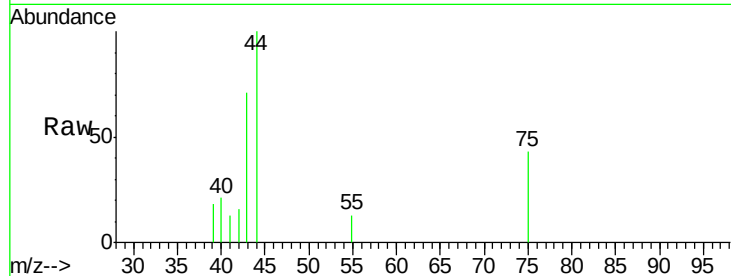
ClientSampleId :

Tot Ion: 43 Resp: 1099

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#29

Tetrahydrofuran

Concen: 0.360 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000949.D

Acq: 17 Apr 2018 04:59

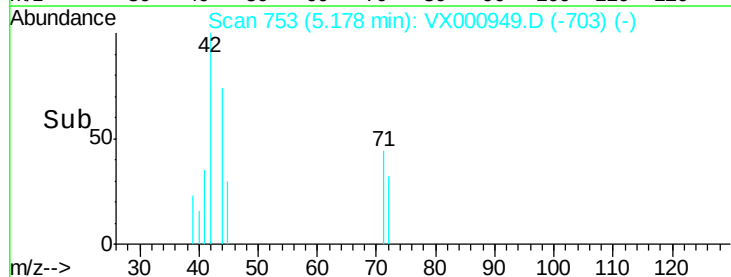
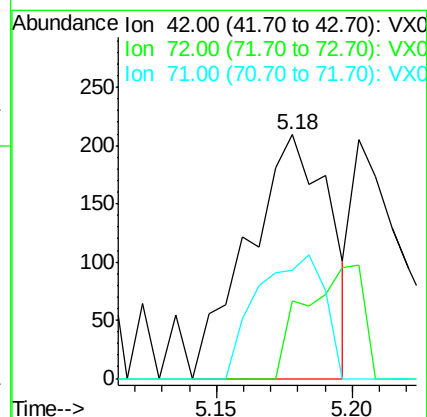
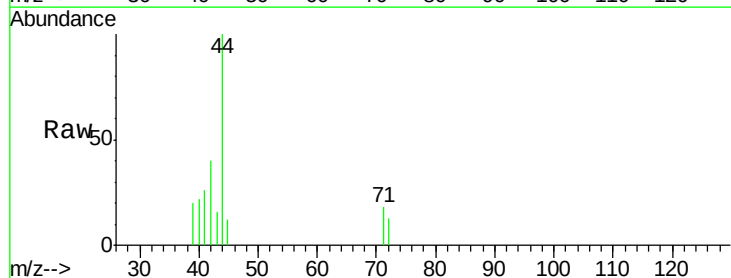
Tgt Ion: 42 Resp: 434

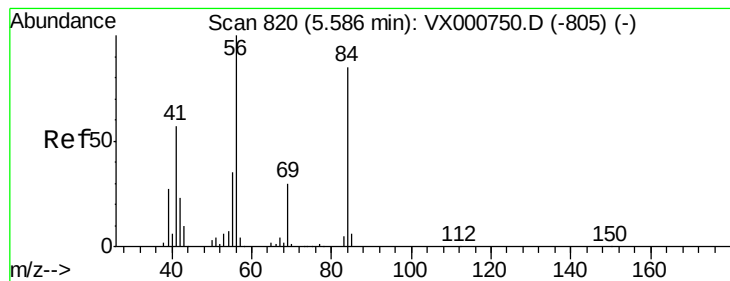
Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 41.7 32.8 49.2





#31

Cyclohexane

Concen: 1.066 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000949.D

Acq: 17 Apr 2018 04:59

Instrument :
MSVOA_X
ClientSampleId :

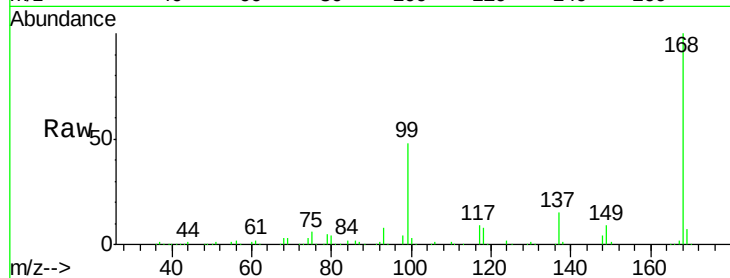
Tot Ion: 56 Resp: 4688

Ion Ratio Lower Upper

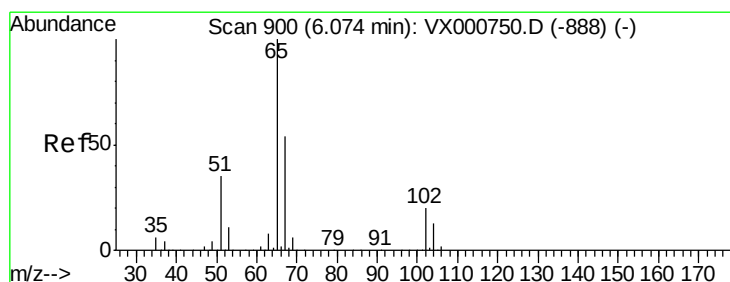
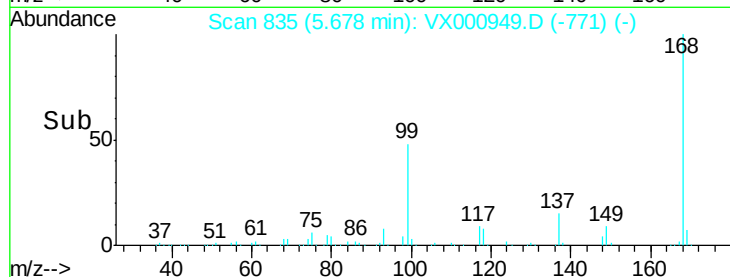
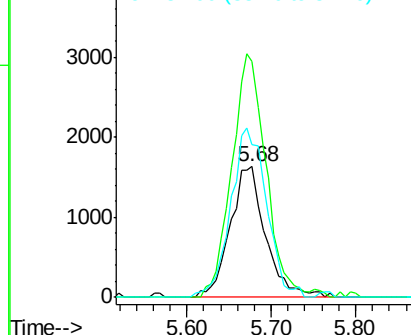
56 100

69 181.0 24.2 36.4#

84 116.8 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: 49.243 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000949.D

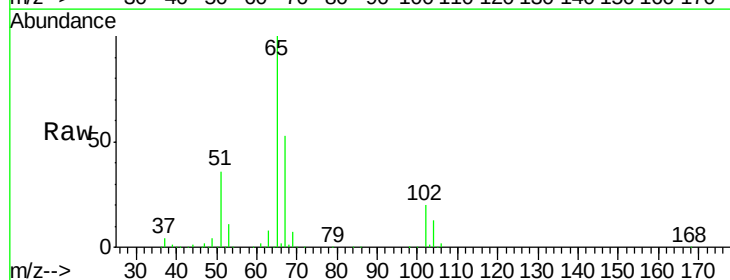
Acq: 17 Apr 2018 04:59

Tgt Ion: 65 Resp: 164362

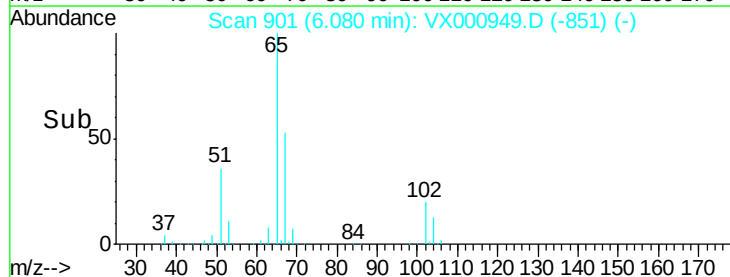
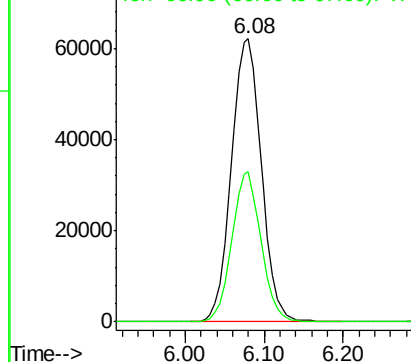
Ion Ratio Lower Upper

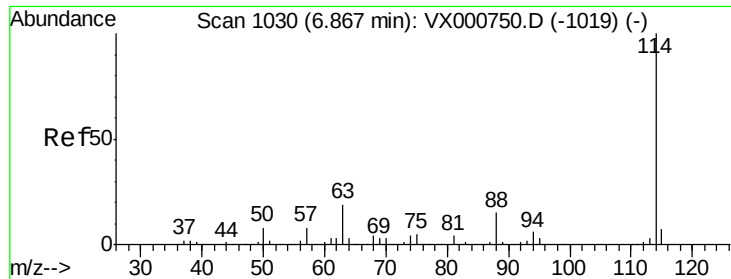
65 100

67 51.4 0.0 103.8



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

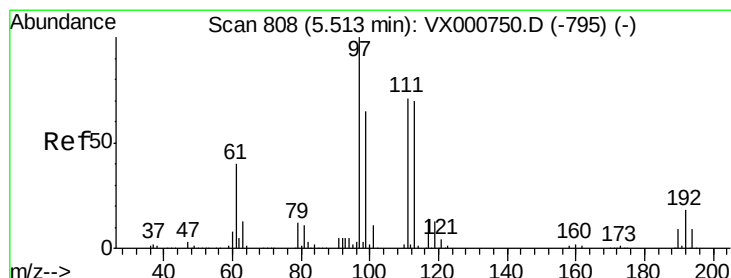
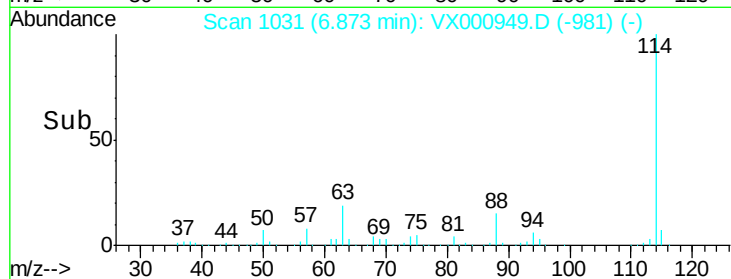
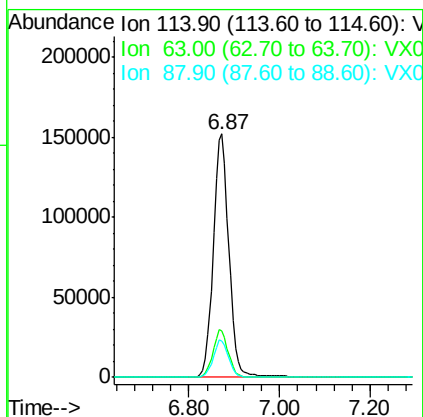
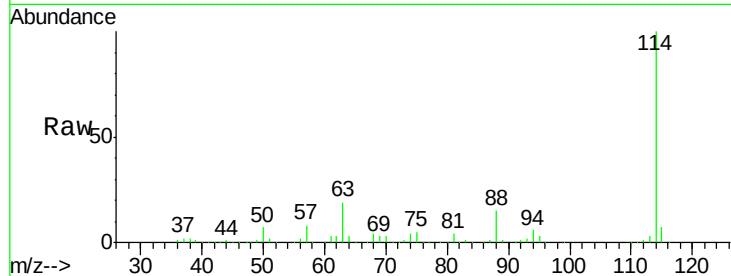




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000949.D
 Acq: 17 Apr 2018 04:59

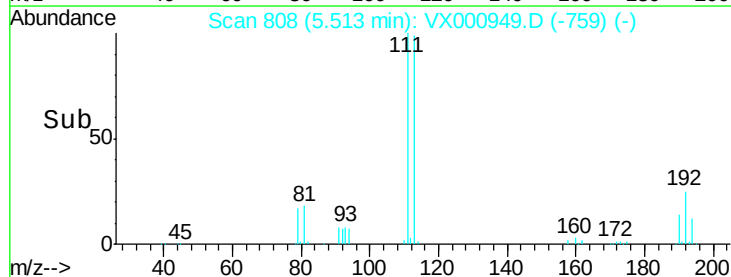
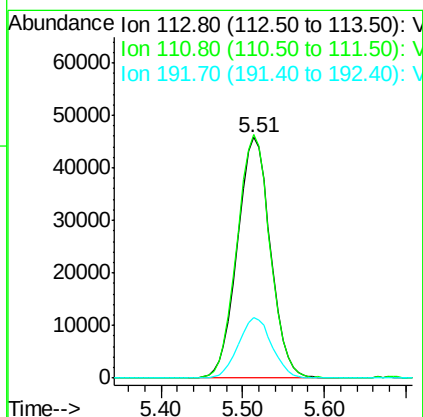
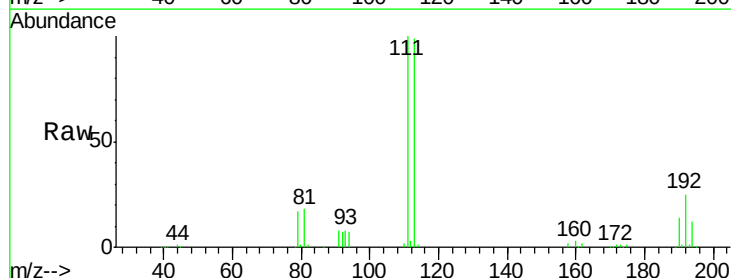
Instrument :
 MSVOA_X
 ClientSampleId :

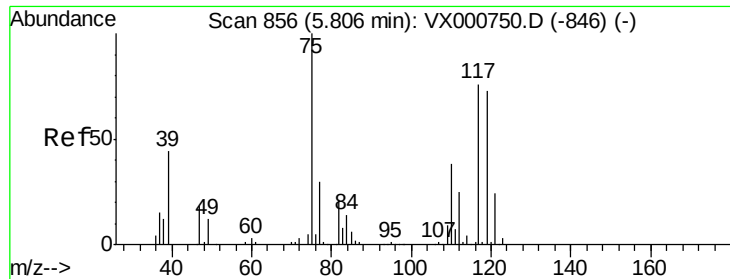
Tot Ion:114 Resp: 368158
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 14.9 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 45.480 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000949.D
 Acq: 17 Apr 2018 04:59

Tgt Ion:113 Resp: 129002
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.5 122.3
 192 25.4 20.4 30.6

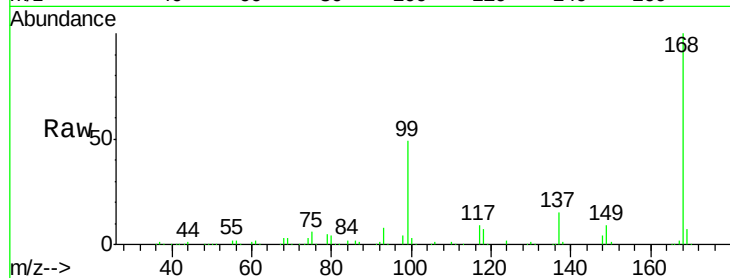




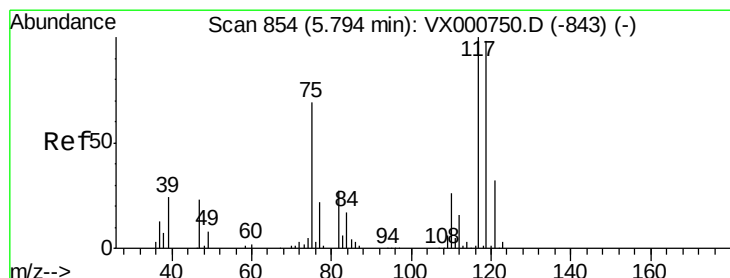
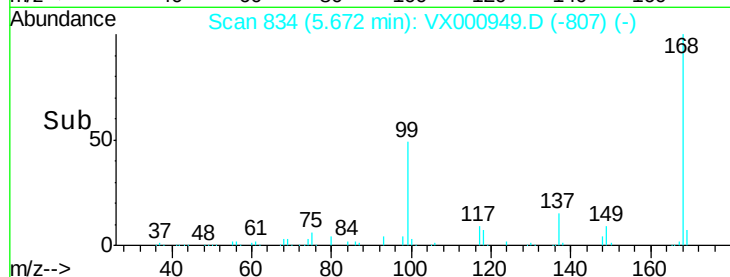
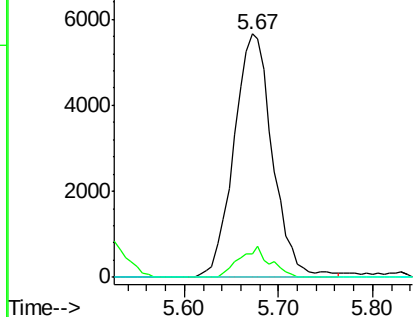
#36
 1,1-Dichloropropene
 Concen: 3.983 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000949.D
 Acq: 17 Apr 2018 04:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 16149
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.2 57.6#
 77 0.0 25.4 38.2#

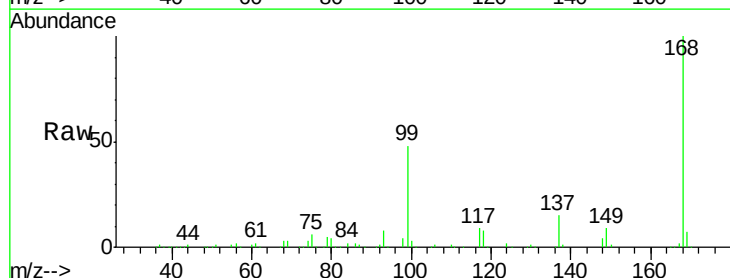


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

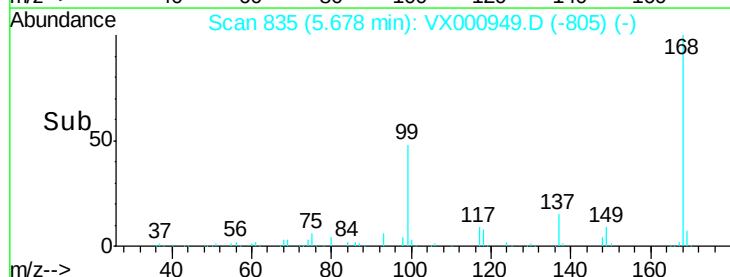
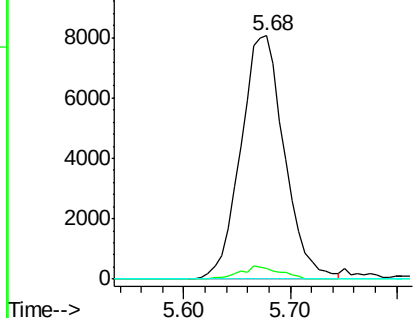


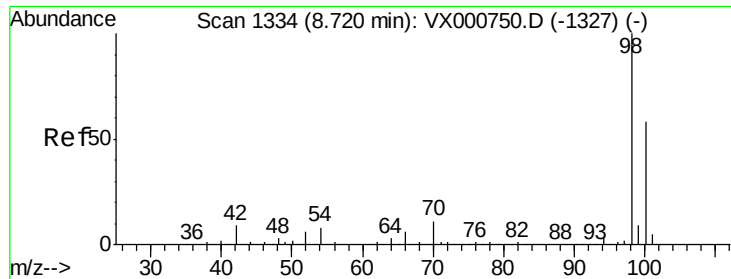
#38
 Carbon Tetrachloride
 Concen: 5.087 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000949.D
 Acq: 17 Apr 2018 04:59

Tgt Ion: 117 Resp: 23087
 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

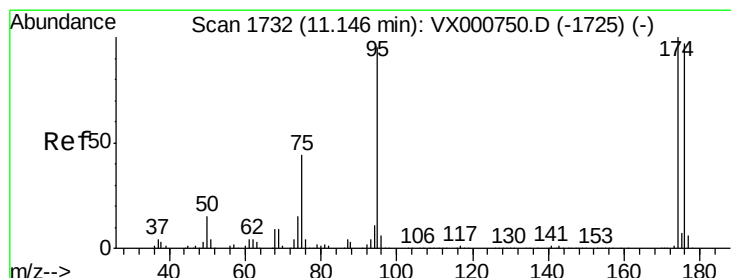
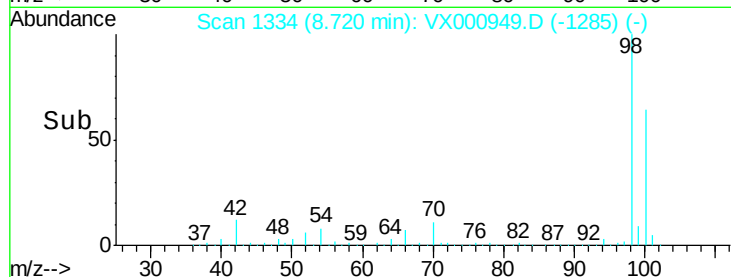
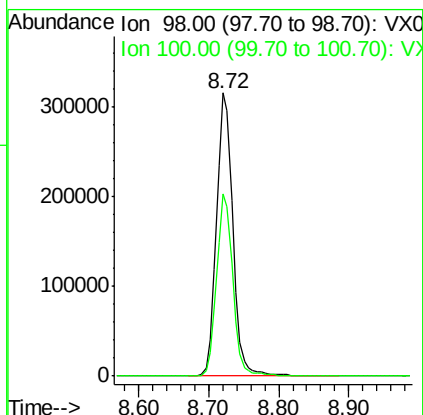
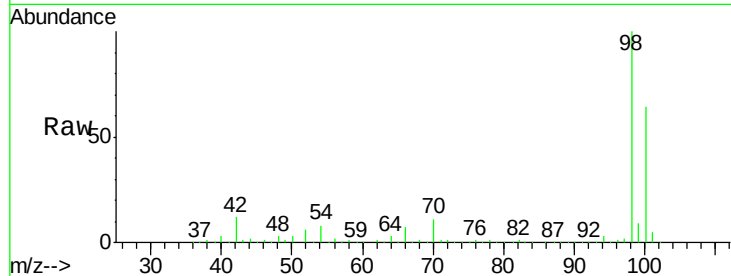




#50
Toluene-d8
Concen: 48.678 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000949.D
Acq: 17 Apr 2018 04:59

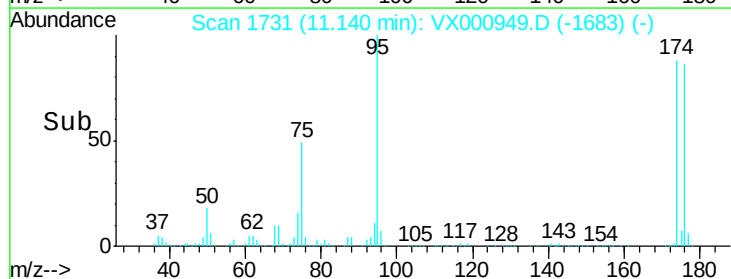
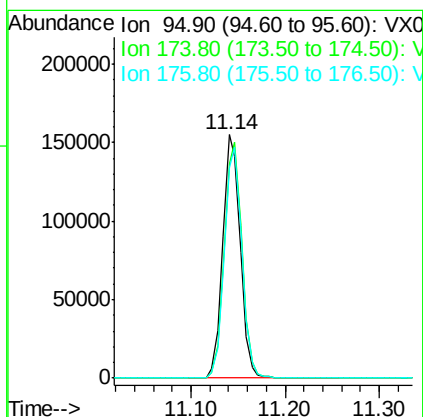
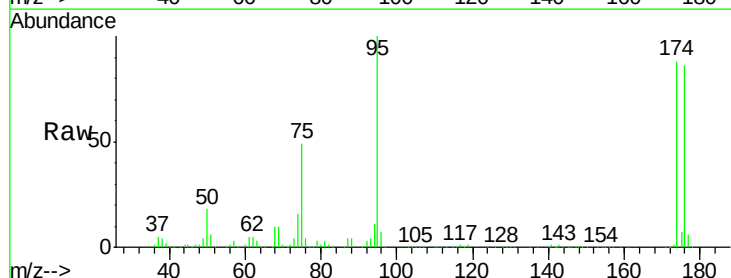
Instrument :
MSVOA_X
ClientSampleId :

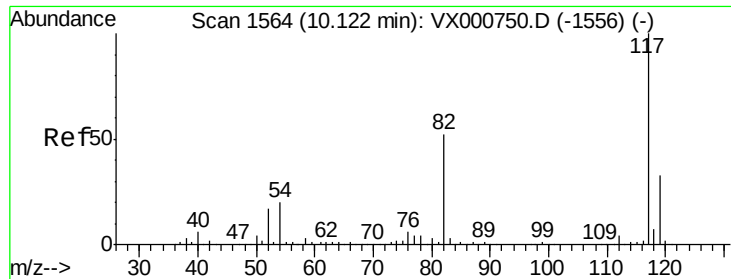
Tot Ion: 98 Resp: 514094
Ion Ratio Lower Upper
98 100
100 64.0 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 45.423 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000949.D
Acq: 17 Apr 2018 04:59

Tgt Ion: 95 Resp: 198473
Ion Ratio Lower Upper
95 100
174 98.3 0.0 198.4
176 95.4 0.0 194.4

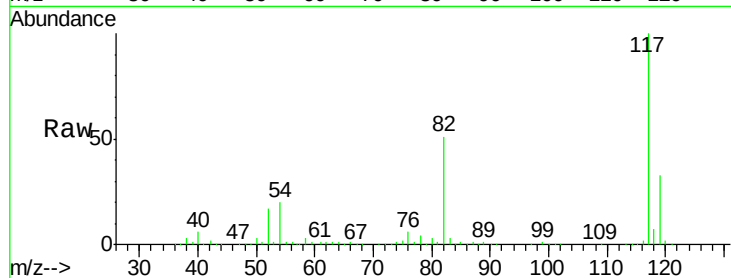




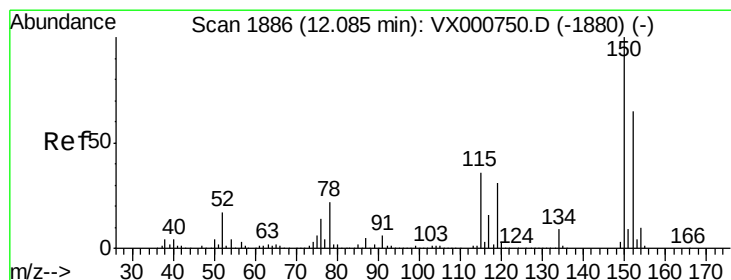
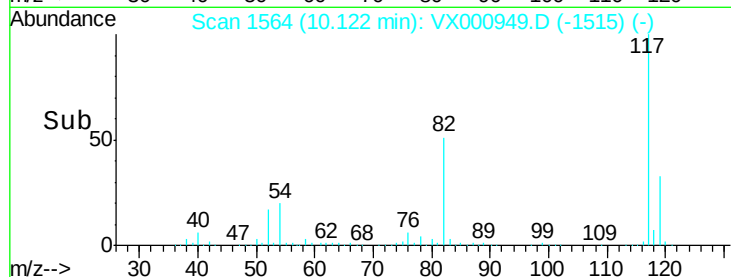
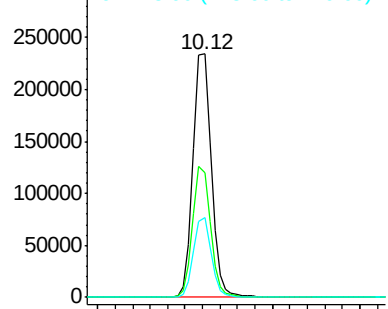
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000949.D
Acq: 17 Apr 2018 04:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 340753
Ion Ratio Lower Upper
117 100
82 51.1 41.9 62.9
119 32.9 26.0 39.0

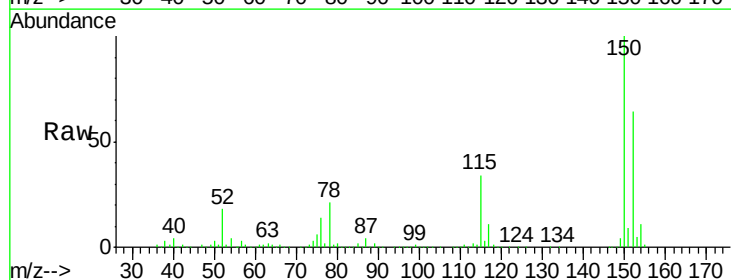


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

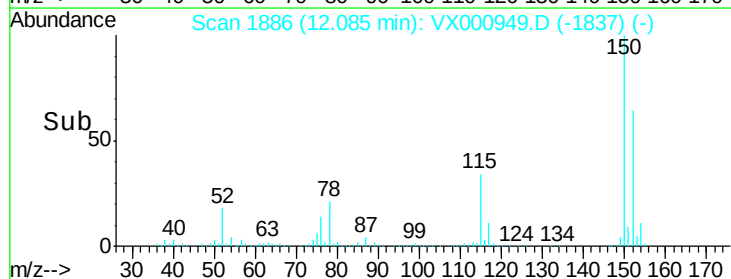
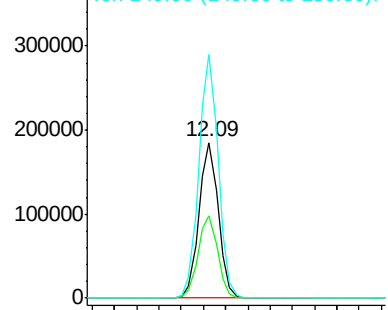


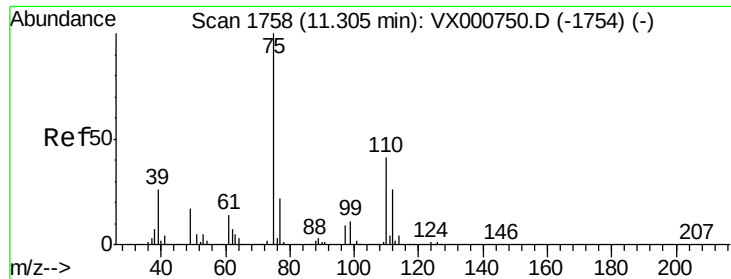
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000949.D
Acq: 17 Apr 2018 04:59

Tgt Ion:152 Resp: 221997
Ion Ratio Lower Upper
152 100
115 53.7 37.9 113.7
150 156.5 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

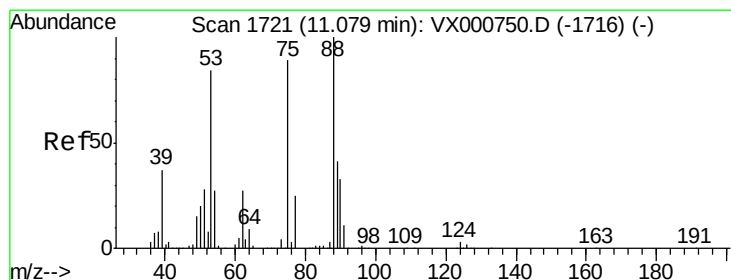
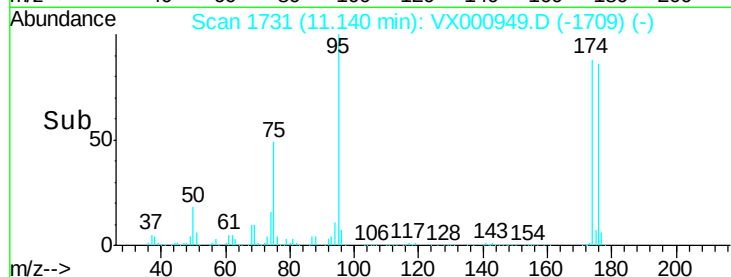
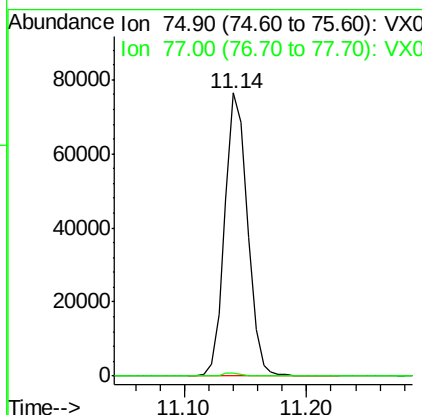
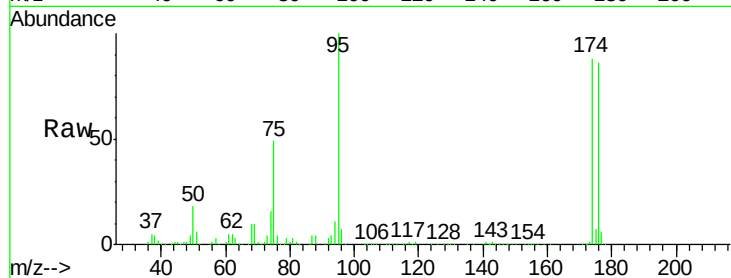




#76
 1,2,3-Trichloropropane
 Concen: 25.704 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000949.D
 Acq: 17 Apr 2018 04:59

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 98409
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.706 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000949.D
 Acq: 17 Apr 2018 04:59

Tgt Ion: 75 Resp: 98409
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

