

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001030.D
 Acq On : 21 Apr 2018 01:11
 Operator : JC/MD
 Sample : J2377-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:41:45 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205383	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	156840	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	5.51	113	120048	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
50) Toluene-d8	8.72	98	480210	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.14	95	182550	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

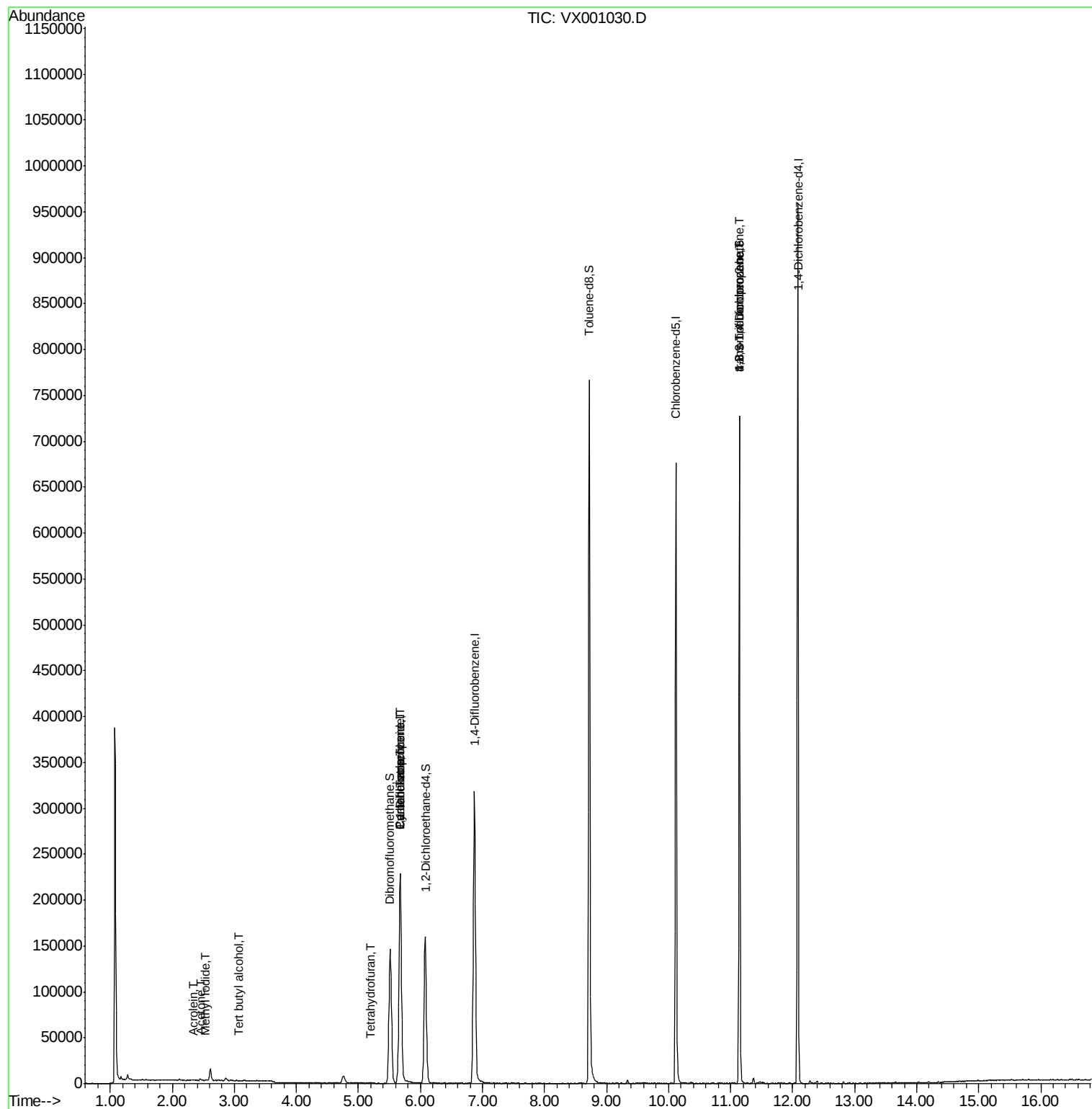
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	230	Below Cal	#	36
10) Methyl Iodide	2.53	142	232	7.68	ug/l #	41
11) Tert butyl alcohol	3.07	59	358	0.76	ug/l #	72
13) Acrolein	2.34	56	19	11.06	ug/l #	1
16) Acetone	2.45	43	2013	1.72	ug/l	91
20) Methylene Chloride	2.87	84	1244	Below Cal		95
29) Tetrahydrofuran	5.19	42	532	0.46	ug/l #	40
31) Cyclohexane	5.67	56	4127	0.94	ug/l #	11
36) 1,1-Dichloropropene	5.67	75	15141	3.80	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21555	5.35	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	92491	25.96	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	92491	77.73	ug/l #	8

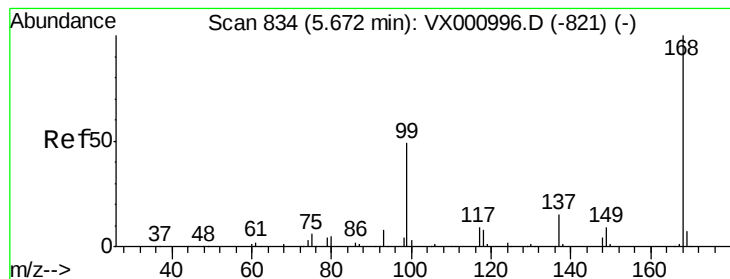
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

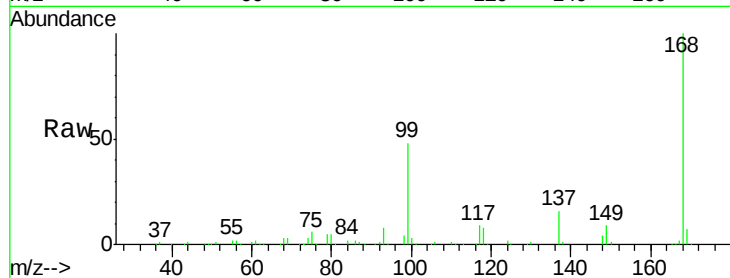
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 245585

Ion Ratio Lower Upper

168 100

99 48.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

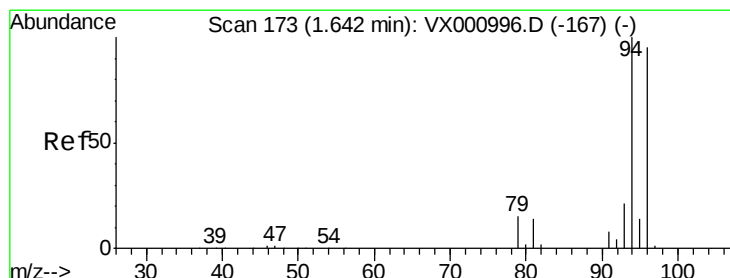
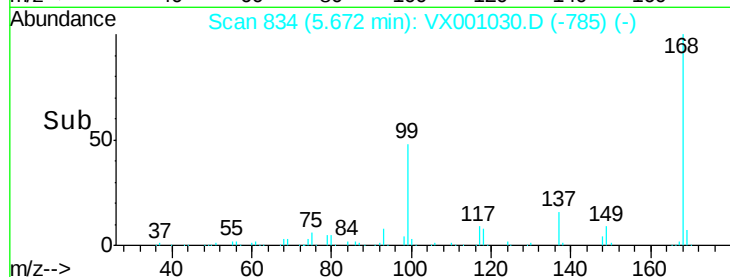
40000

20000

0

Time-->

5.60 5.80 6.00



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001030.D

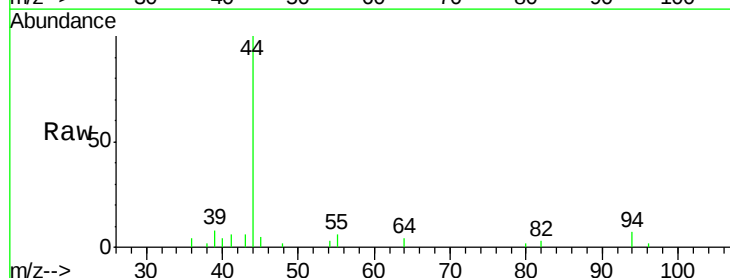
Acq: 21 Apr 2018 01:11

Tgt Ion: 94 Resp: 230

Ion Ratio Lower Upper

94 100

96 33.1 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

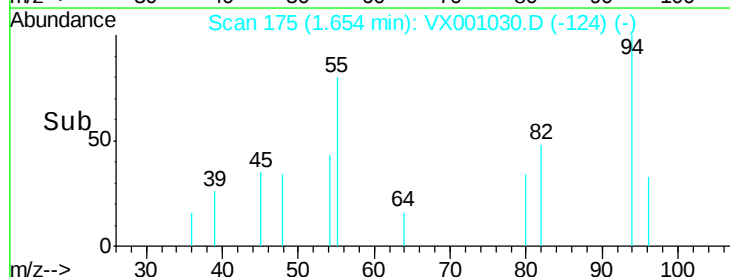
100

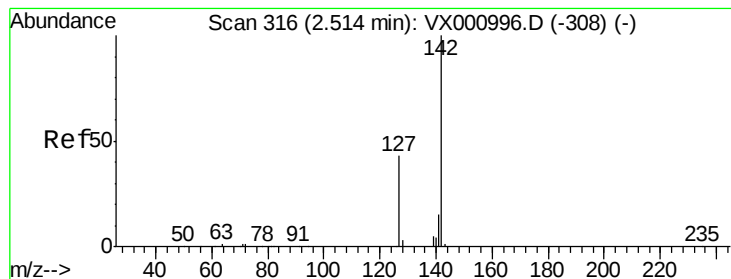
50

0

Time-->

1.62 1.64 1.66 1.68 1.70





#10

Methyl Iodide

Concen: 7.68 ug/l

RT: 2.53 min Scan# 318

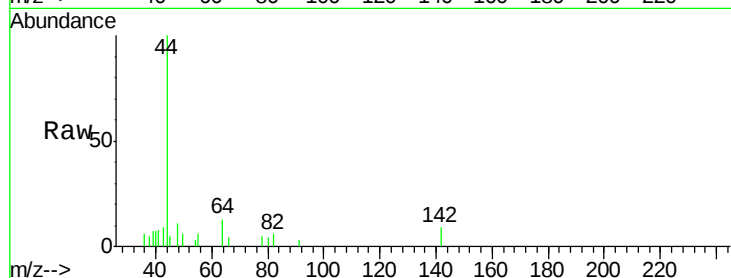
Delta R.T. 0.01 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.0	51.0#
141	0.0	11.4	17.2#

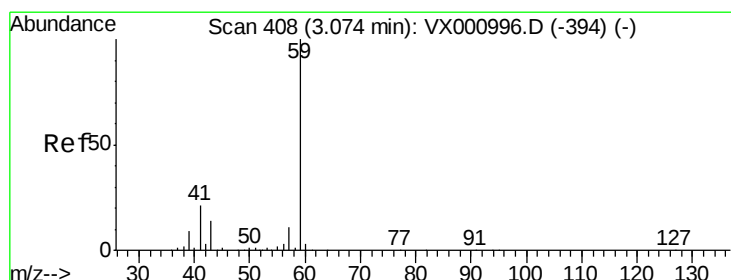
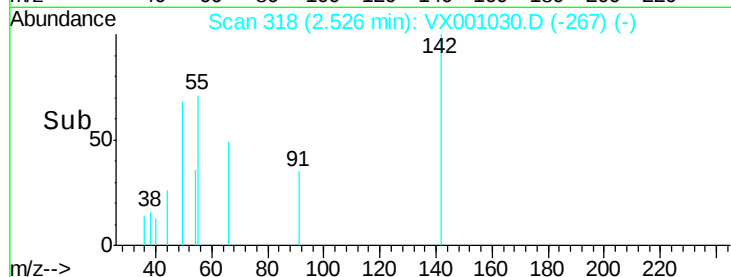
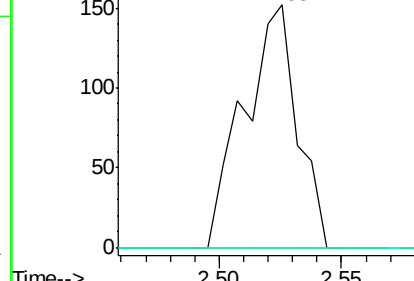


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.53



#11

Tert butyl alcohol

Concen: 0.76 ug/l

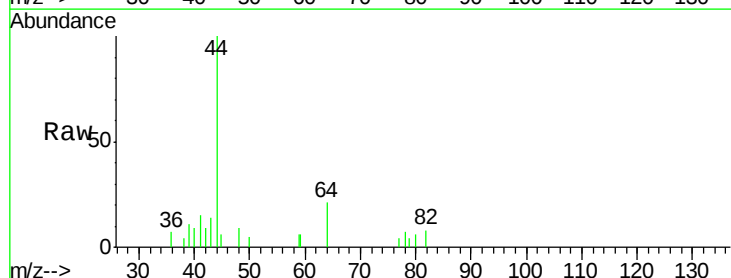
RT: 3.07 min Scan# 408

Delta R.T. 0.00 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

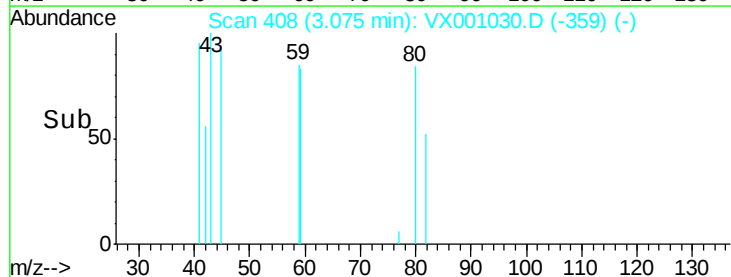
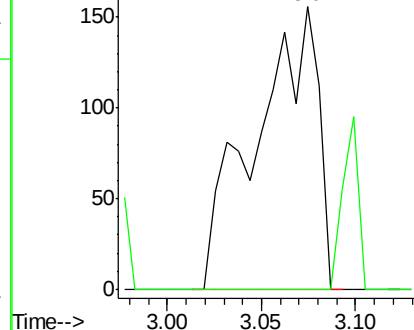
Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

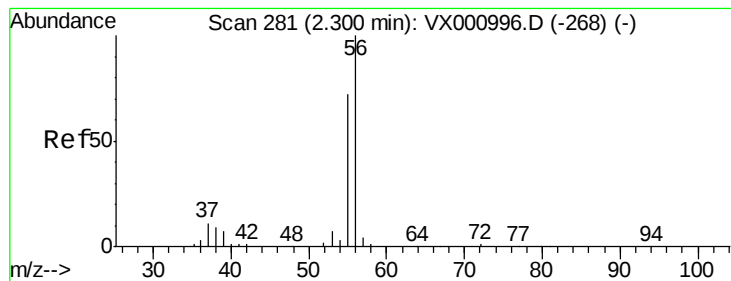


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07





#13

Acrolein

Concen: 11.06 ug/l

RT: 2.34 min Scan# 287

Delta R.T. 0.04 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

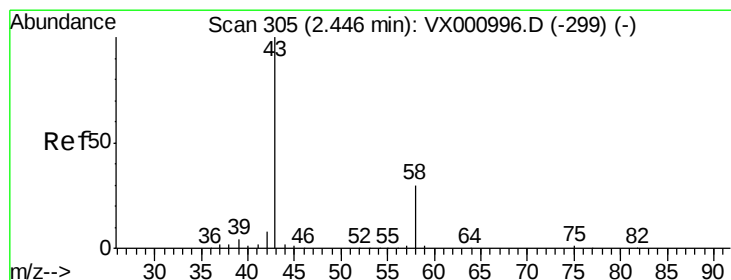
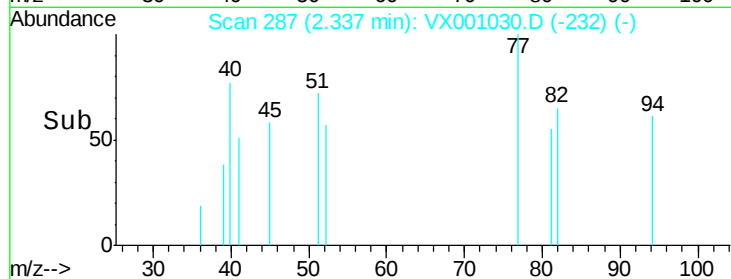
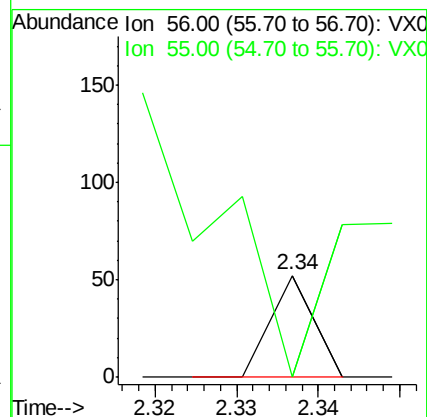
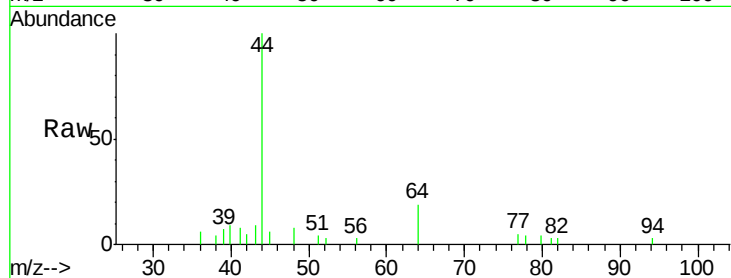
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 973.7 57.4 86.2#



#16

Acetone

Concen: 1.72 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001030.D

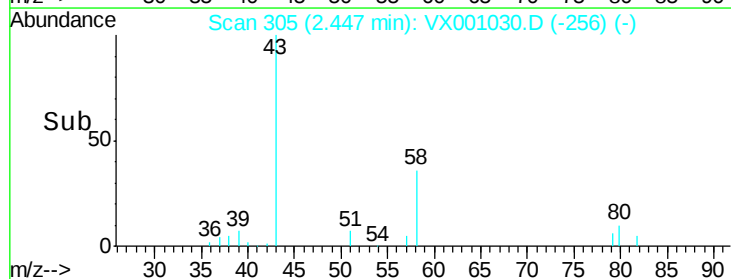
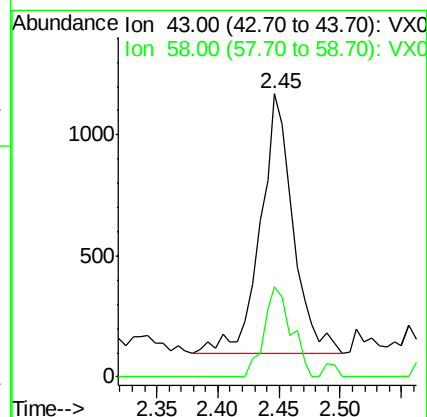
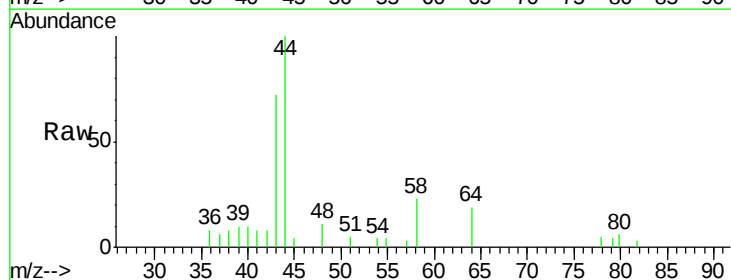
Acq: 21 Apr 2018 01:11

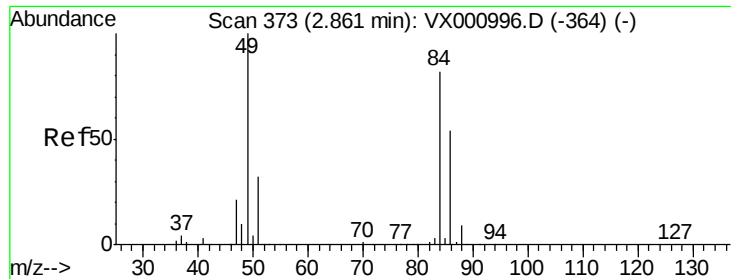
Tgt Ion: 43 Resp: 2013

Ion Ratio Lower Upper

43 100

58 34.6 23.7 35.5

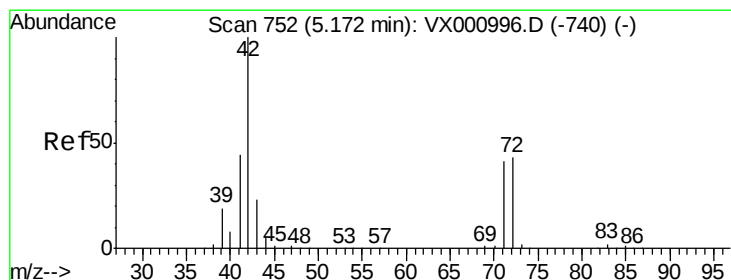
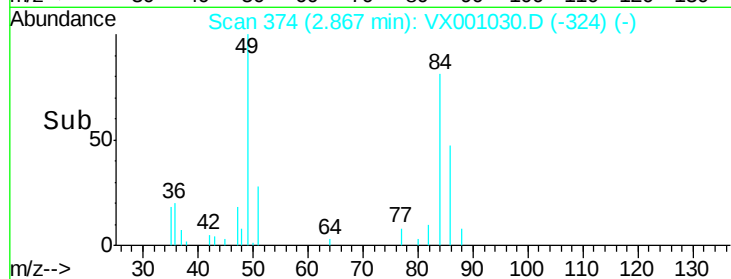
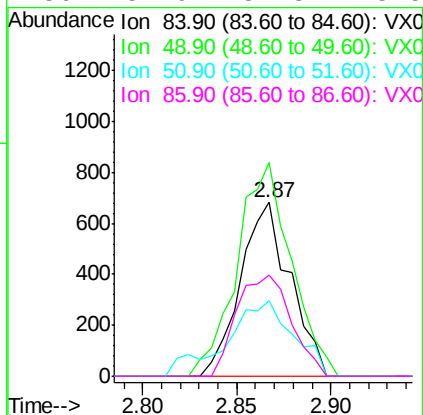
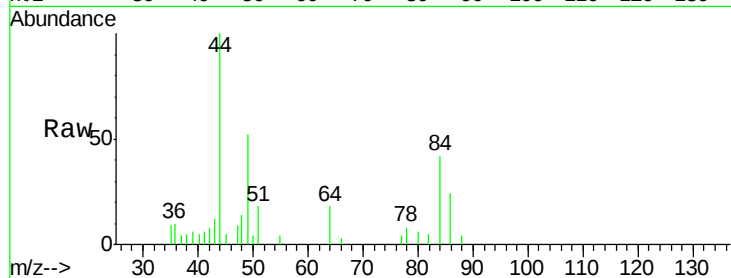




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001030.D
Acq: 21 Apr 2018 01:11

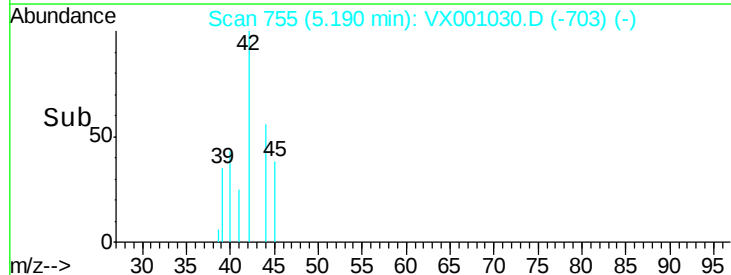
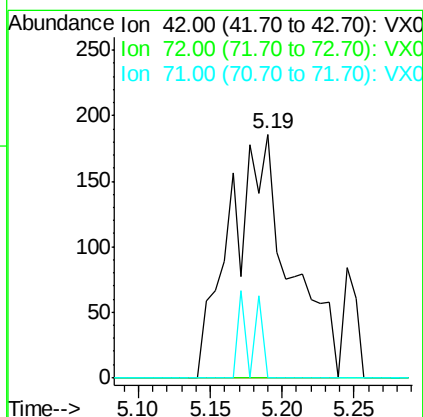
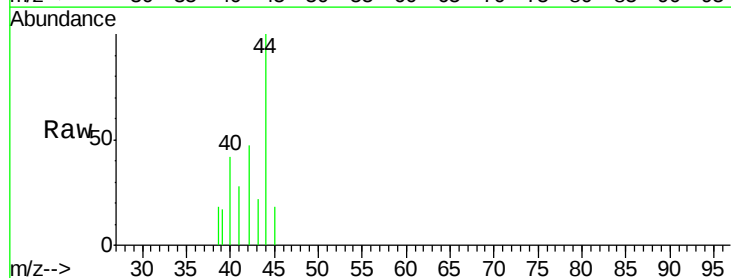
Instrument :
MSVOA_X
ClientSampled :

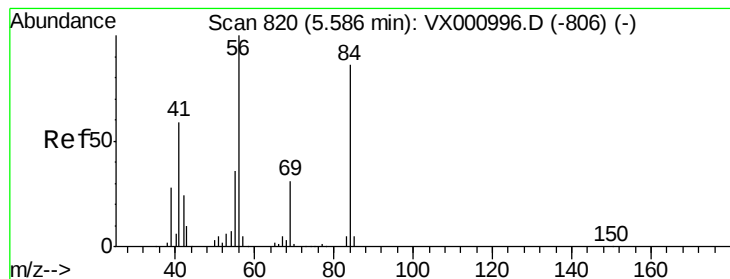
Tot Ion: 84 Resp: 1244
Ion Ratio Lower Upper
84 100
49 123.0 97.1 145.7
51 43.4 30.8 46.2
86 57.9 52.3 78.5



#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX001030.D
Acq: 21 Apr 2018 01:11

Tgt Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 8.8 32.6 49.0#





#31

Cyclohexane

Concen: 0.94 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

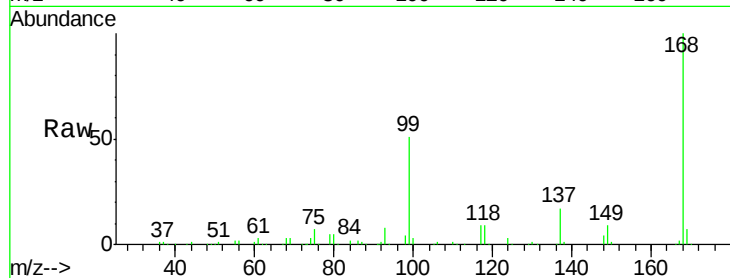
Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

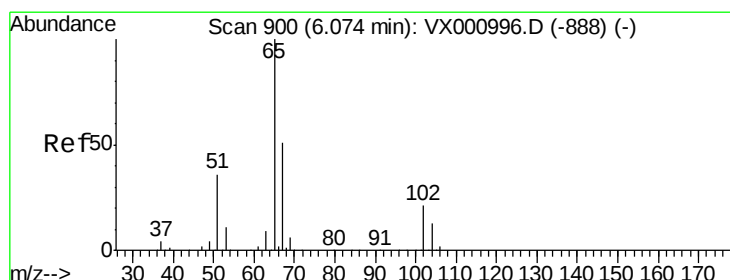
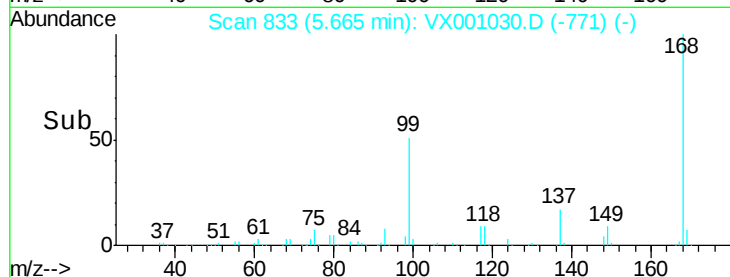
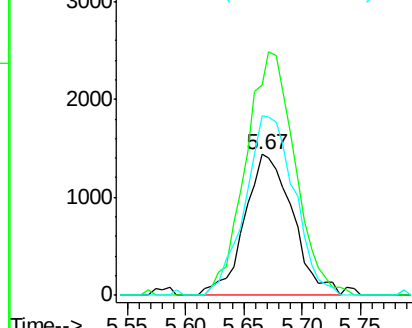
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4127

Ion	Ratio	Lower	Upper
56	100		
69	149.4	24.6	36.8#
84	126.9	69.0	103.6#



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: 50.38 ug/l

RT: 6.08 min Scan# 901

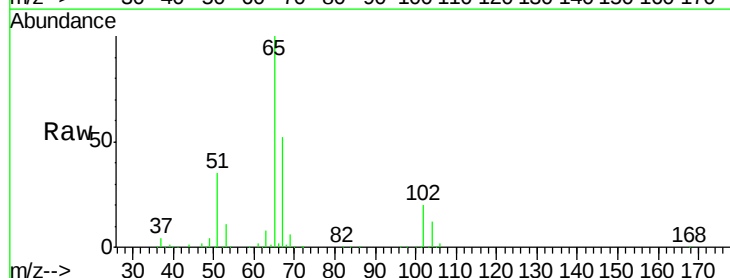
Delta R.T. 0.01 min

Lab File: VX001030.D

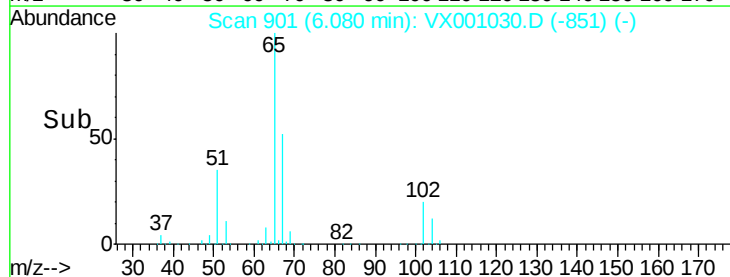
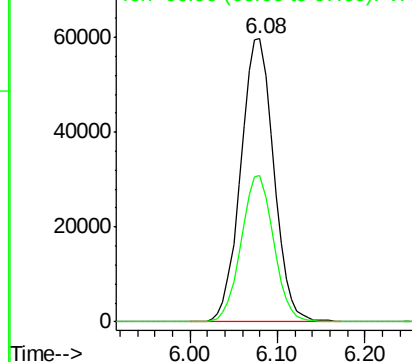
Acq: 21 Apr 2018 01:11

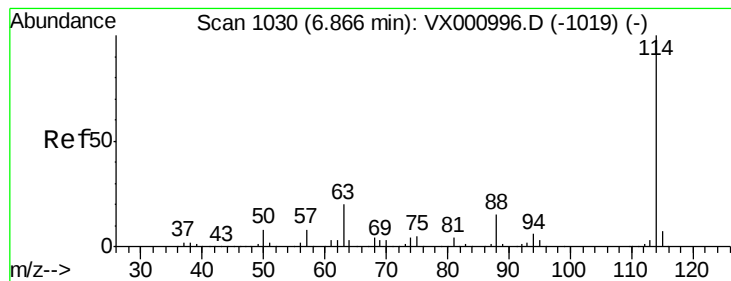
Tgt Ion: 65 Resp: 156840

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

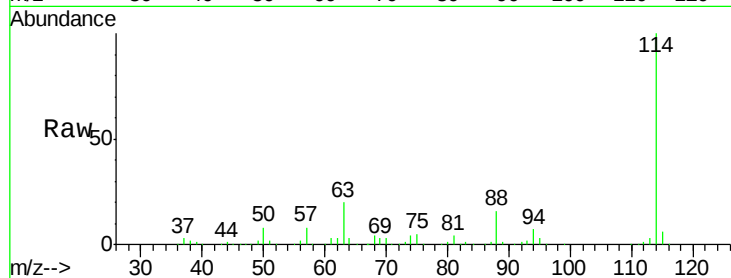
Tot Ion:114 Resp: 338898

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

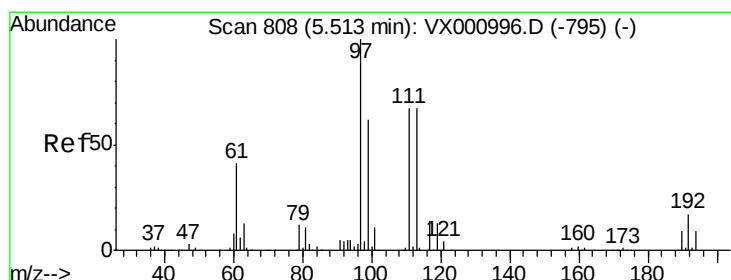
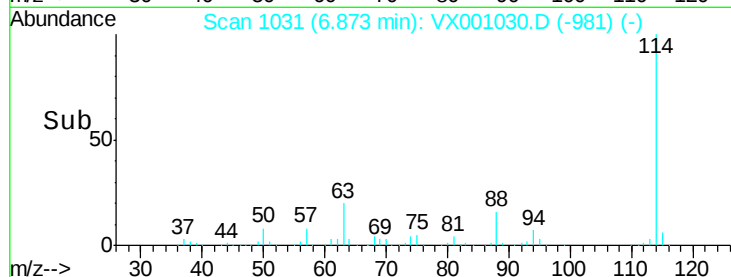
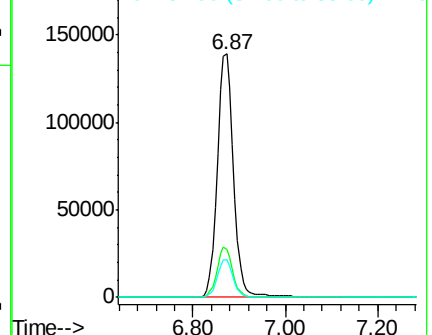
88 15.7 0.0 29.8



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: 46.45 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

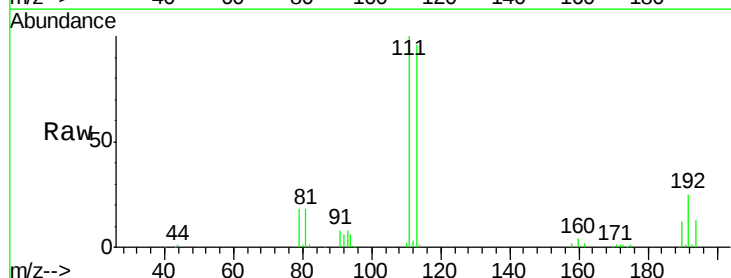
Tgt Ion:113 Resp: 120048

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

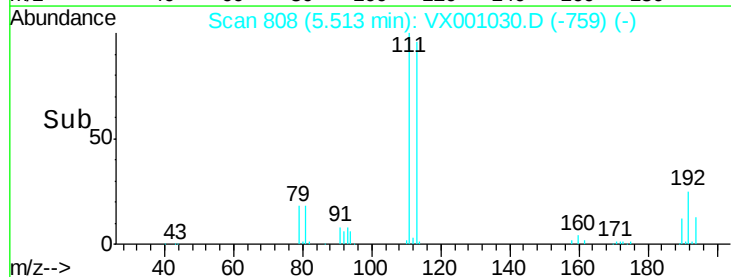
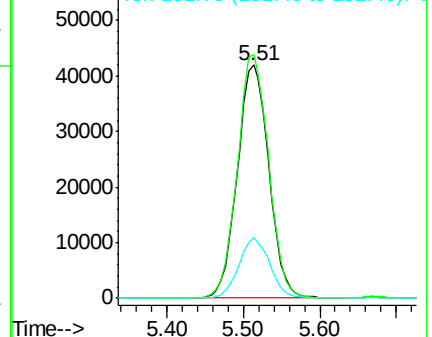
192 25.3 20.4 30.6

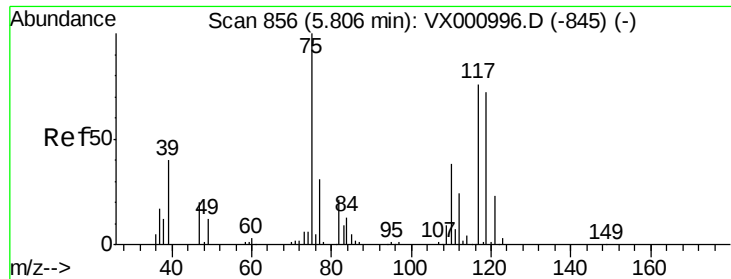


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

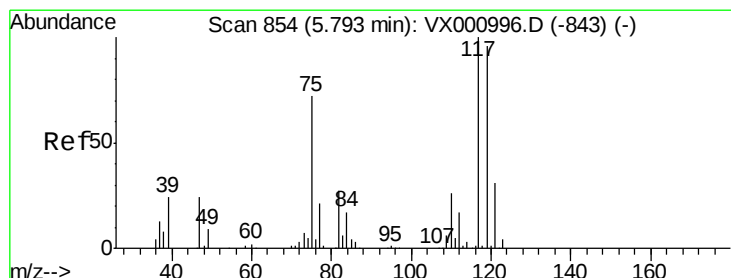
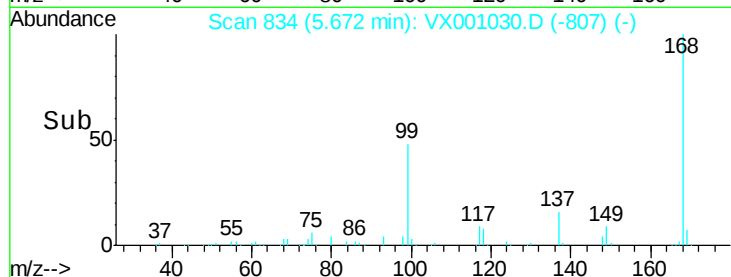
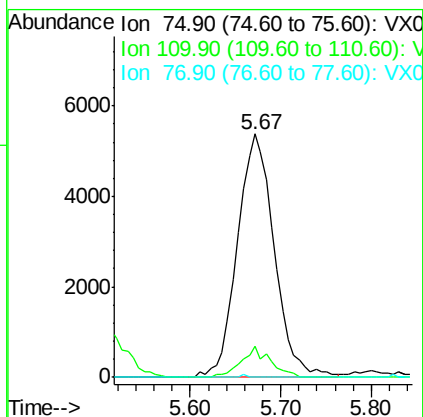
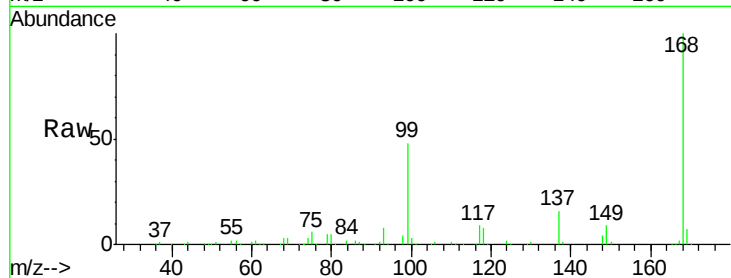




#36
 1,1-Dichloropropene
 Concen: 3.80 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001030.D
 Acq: 21 Apr 2018 01:11

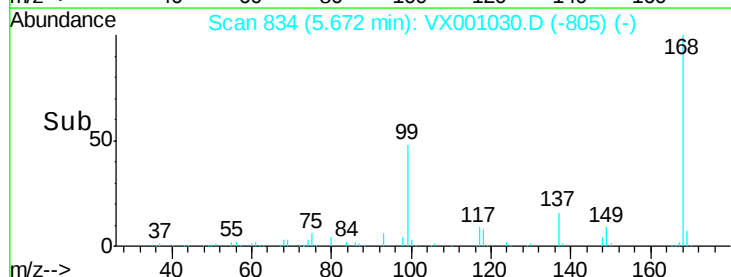
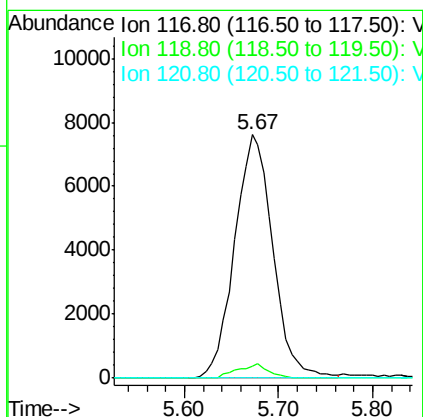
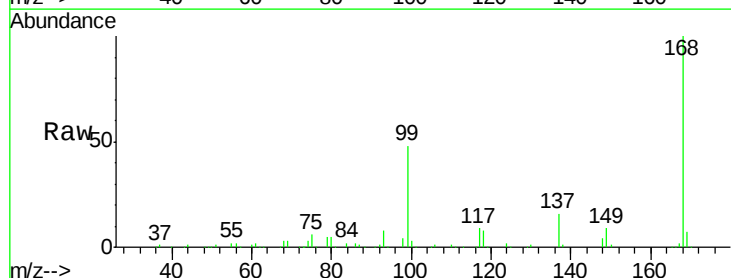
Instrument :
 MSVOA_X
 ClientSampled :

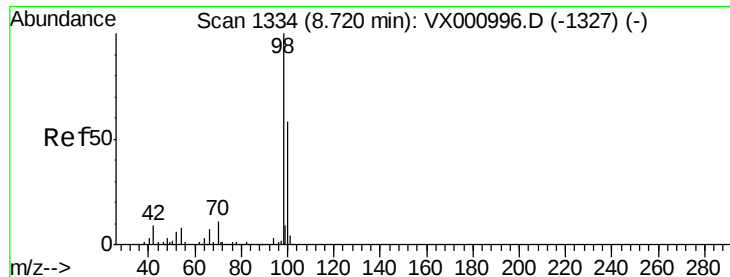
Tot Ion: 75 Resp: 15141
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.7 56.1#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.35 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001030.D
 Acq: 21 Apr 2018 01:11

Tgt Ion: 117 Resp: 21555
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.5 114.7#
 121 0.0 24.5 36.7#

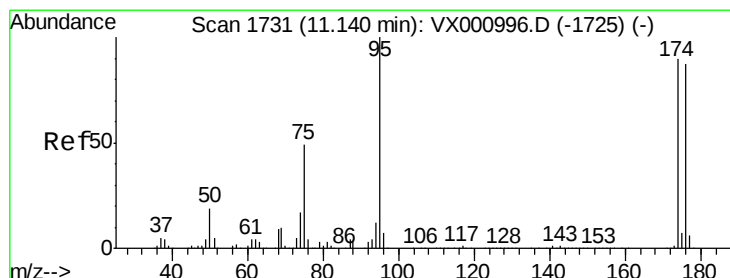
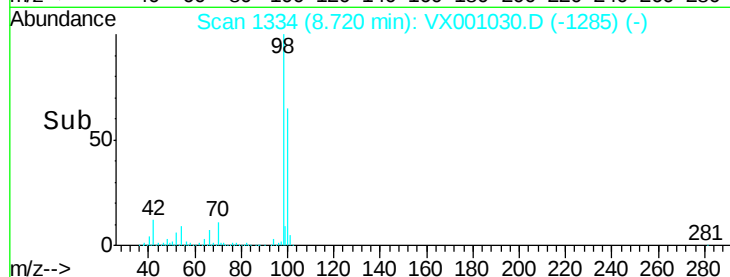
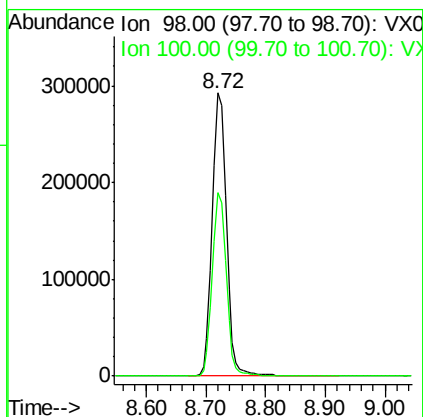
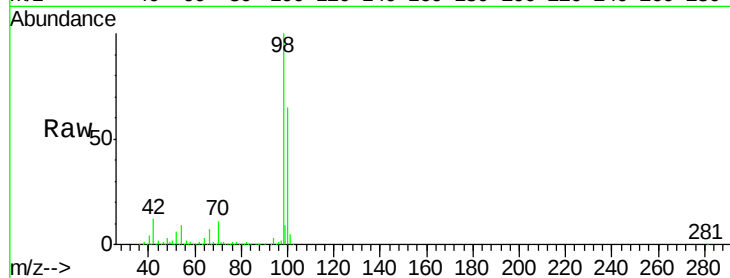




#50
Toluene-d8
Concen: 50.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001030.D
Acq: 21 Apr 2018 01:11

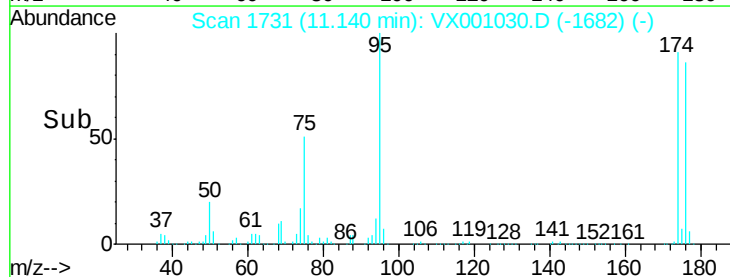
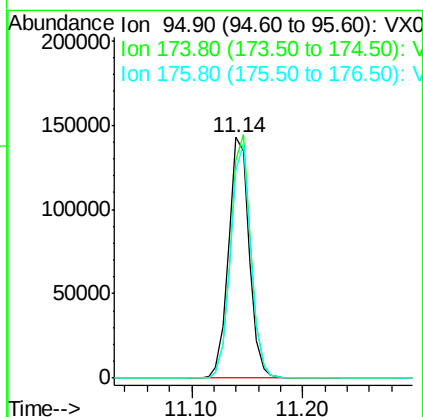
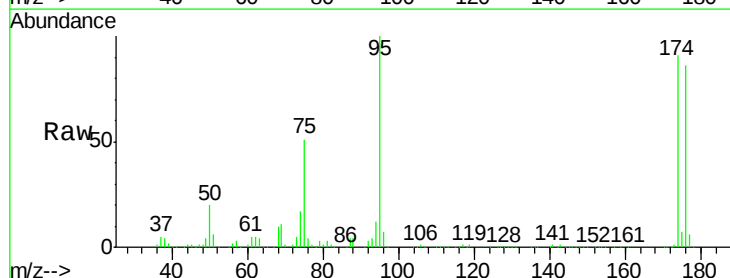
Instrument :
MSVOA_X
ClientSampleId :

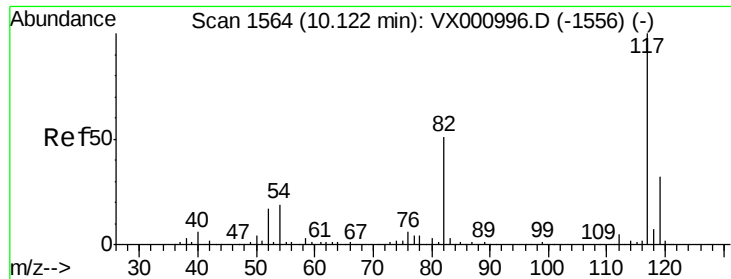
Tot Ion: 98 Resp: 480210
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001030.D
Acq: 21 Apr 2018 01:11

Tgt Ion: 95 Resp: 182550
Ion Ratio Lower Upper
95 100
174 98.7 0.0 198.4
176 95.5 0.0 192.0

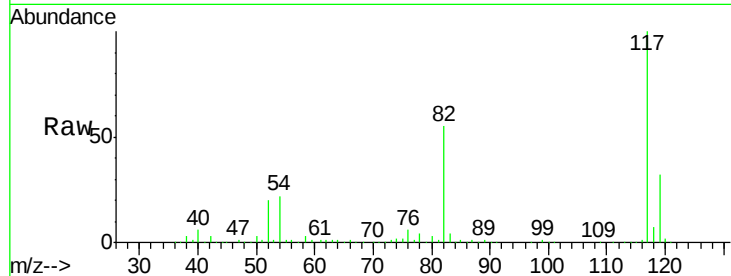




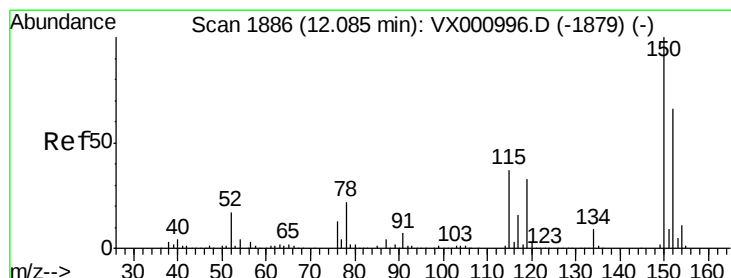
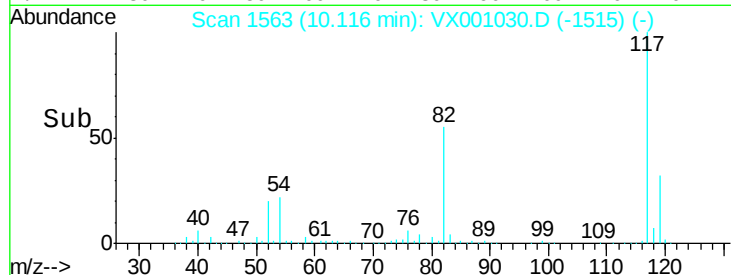
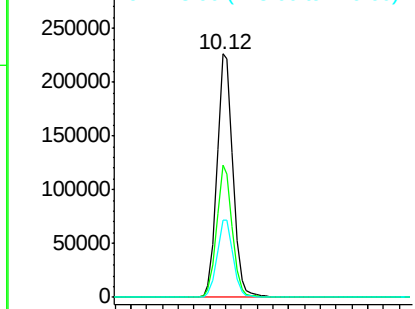
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001030.D
Acq: 21 Apr 2018 01:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 318627
Ion Ratio Lower Upper
117 100
82 54.5 40.6 60.8
119 31.9 26.0 39.0

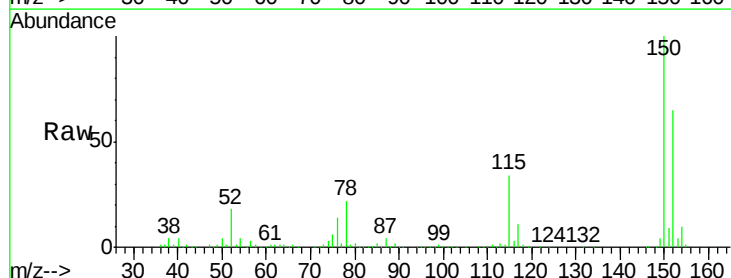


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

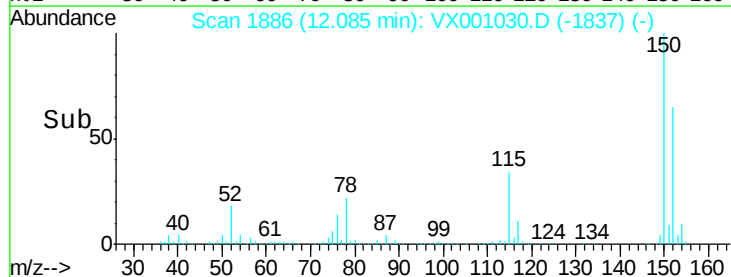
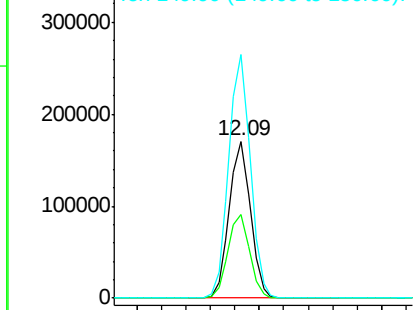


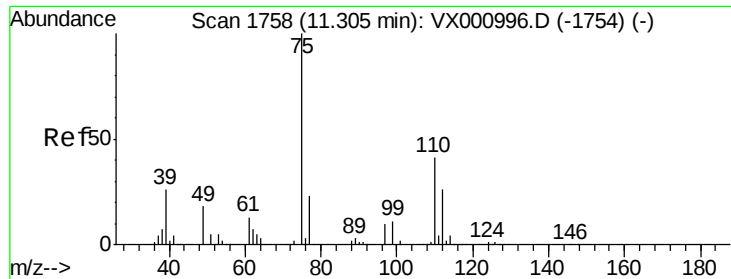
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001030.D
Acq: 21 Apr 2018 01:11

Tgt Ion:152 Resp: 205383
Ion Ratio Lower Upper
152 100
115 54.1 38.2 114.6
150 157.0 0.0 350.4



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: 25.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

Instrument :

MSVOA_X

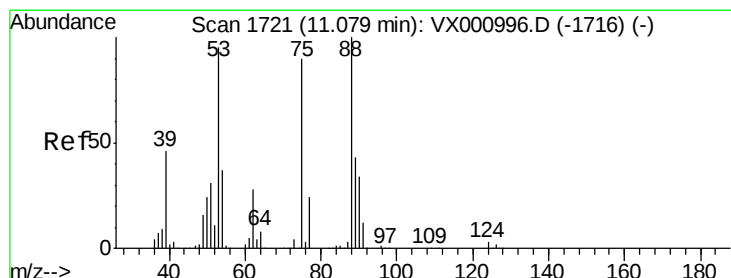
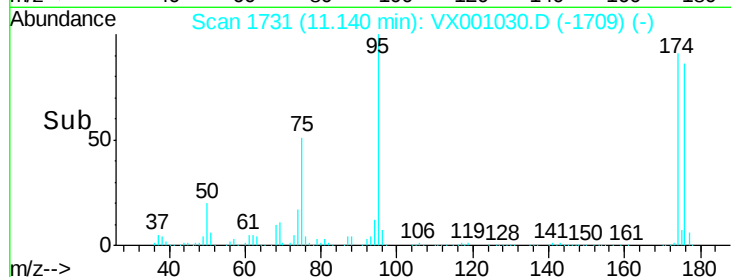
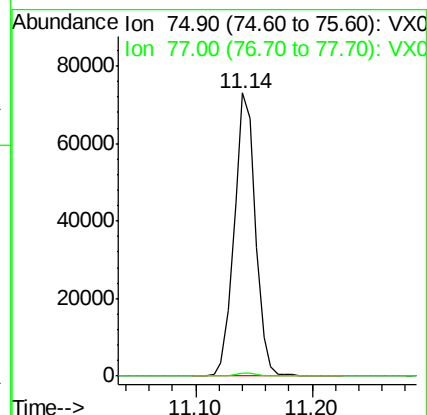
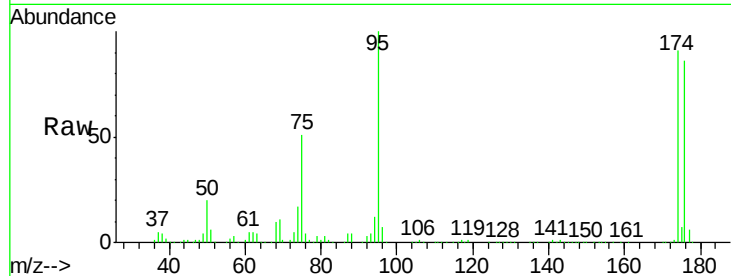
ClientSampleId :

Tot Ion: 75 Resp: 92491

Ion Ratio Lower Upper

75 100

77 1.2 19.6 58.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001030.D

Acq: 21 Apr 2018 01:11

Tgt Ion: 75 Resp: 92491

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#

