

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041718\
 Data File : VX000977.D
 Acq On : 17 Apr 2018 20:40
 Operator : JC/MD
 Sample : J2411-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 04:01:17 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	251320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	349828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204384	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	158892	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	5.51	113	123652	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
50) Toluene-d8	8.72	98	488298	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.14	95	185701	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

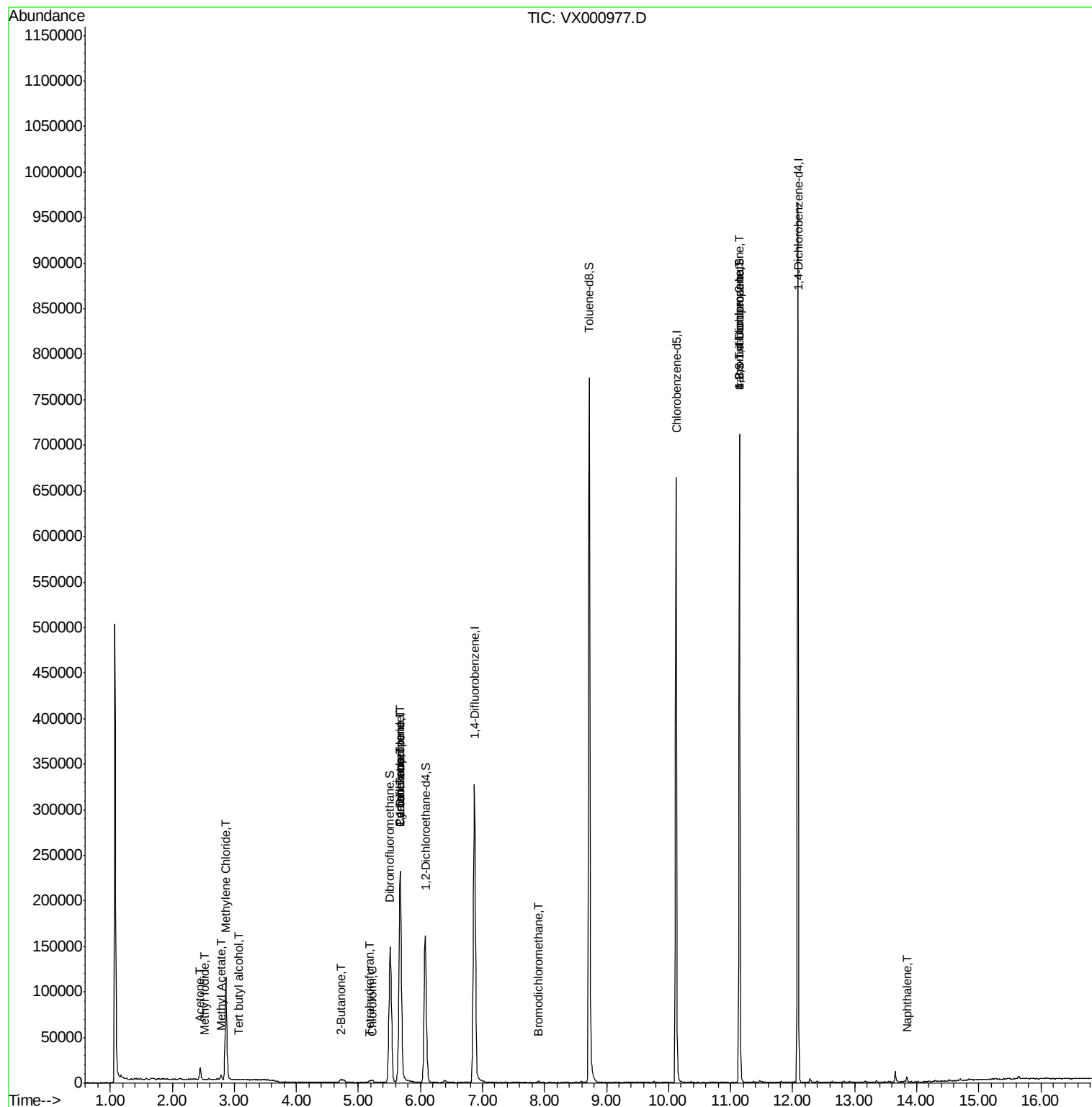
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	174	Below Cal		96
10) Methyl Iodide	2.52	142	81	8.266	ug/l #	42
11) Tert butyl alcohol	3.06	59	552	0.981	ug/l #	35
16) Acetone	2.45	43	14579	13.341	ug/l	98
18) Methyl Acetate	2.78	43	4989	1.764	ug/l	99
20) Methylene Chloride	2.86	84	53751	21.148	ug/l	97
25) 2-Butanone	4.71	43	6045	3.350	ug/l #	85
29) Tetrahydrofuran	5.18	42	2119	1.849	ug/l #	87
30) Chloroform	5.22	83	2436	0.523	ug/l #	75
31) Cyclohexane	5.67	56	4470	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15086	3.916	ug/l #	48
38) Carbon Tetrachloride	5.68	117	21419	4.967	ug/l #	16
47) Bromodichloromethane	7.90	83	790	0.206	ug/l #	89
76) 1,2,3-Trichloropropane	11.14	75	92688	26.296	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	92688	72.334	ug/l #	11
95) Naphthalene	13.84	128	3350	0.225	ug/l #	95

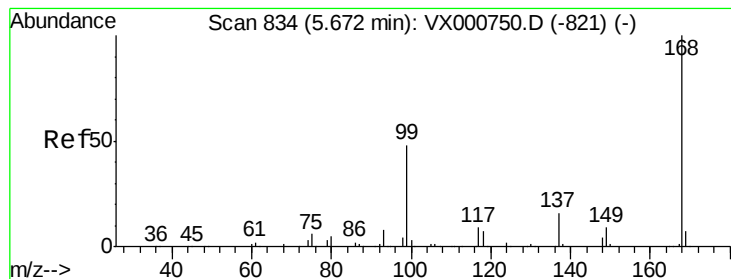
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

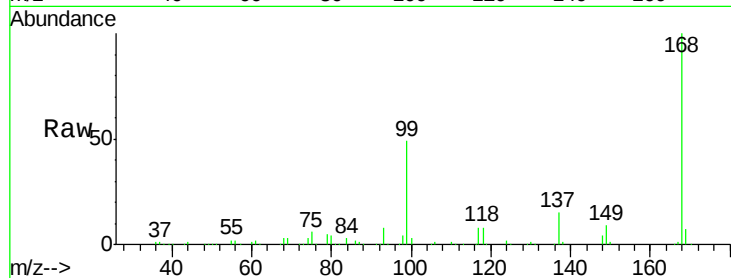
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 251320

Ion Ratio Lower Upper

168 100

99 49.2 38.3 57.5

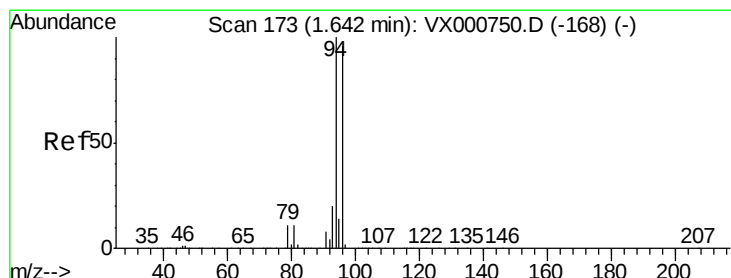
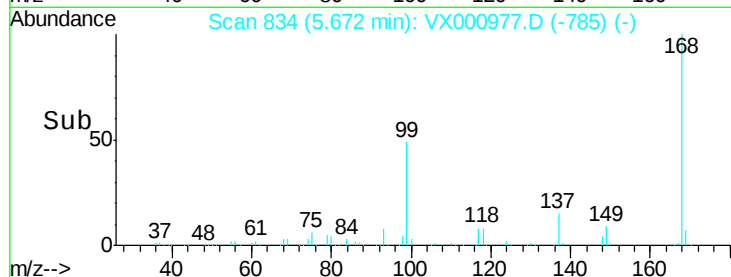


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000977.D

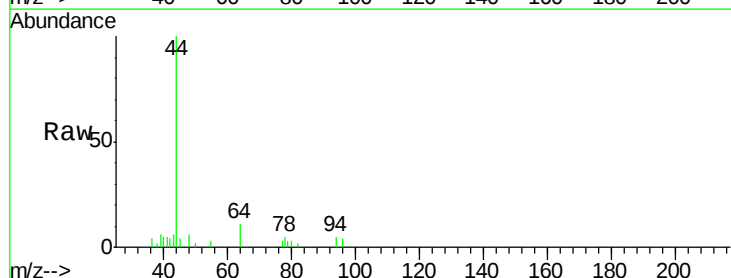
Acq: 17 Apr 2018 20:40

Tgt Ion: 94 Resp: 174

Ion Ratio Lower Upper

94 100

96 92.2 77.0 115.6

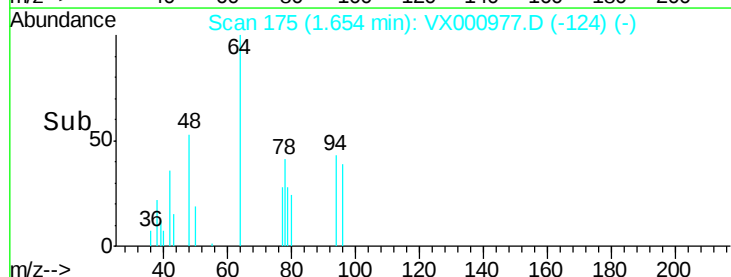


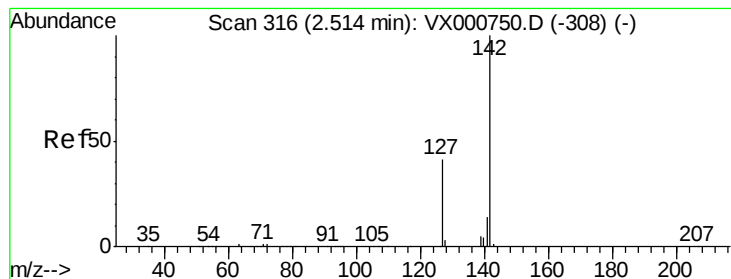
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->





#10

Methvl Iodide

Concen: 8.266 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

Instrument :

MSVOA_X

ClientSampled :

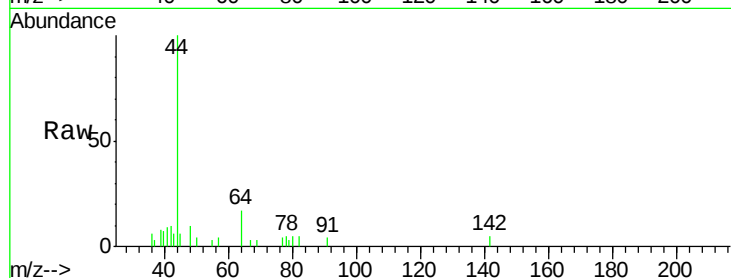
Tot Ion:142 Resp: 81

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

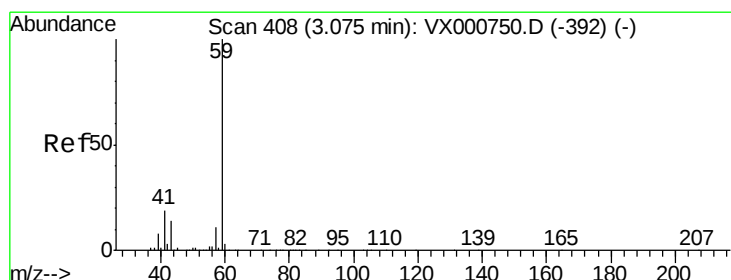
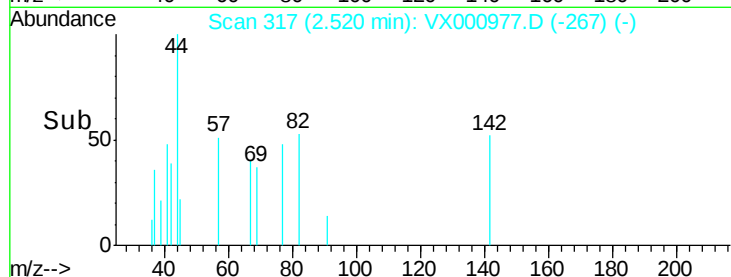
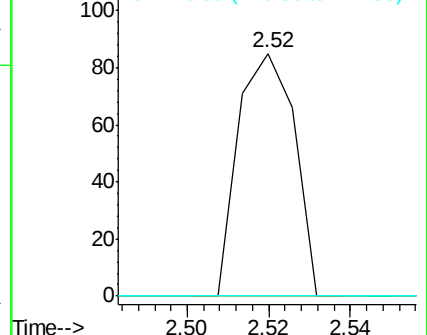
141 0.0 11.5 17.3#



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



#11

Tert butyl alcohol

Concen: 0.981 ug/l

RT: 3.06 min Scan# 405

Delta R.T. -0.02 min

Lab File: VX000977.D

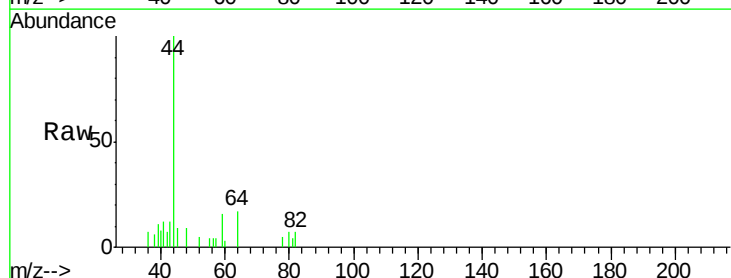
Acq: 17 Apr 2018 20:40

Tgt Ion: 59 Resp: 552

Ion Ratio Lower Upper

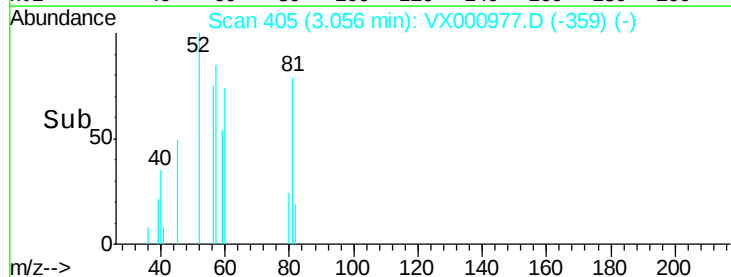
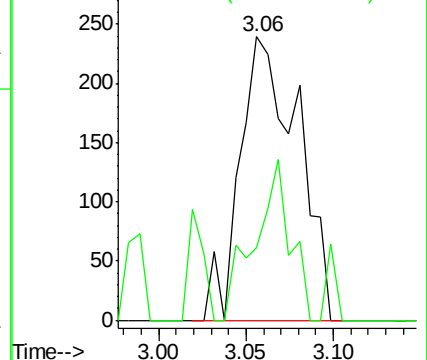
59 100

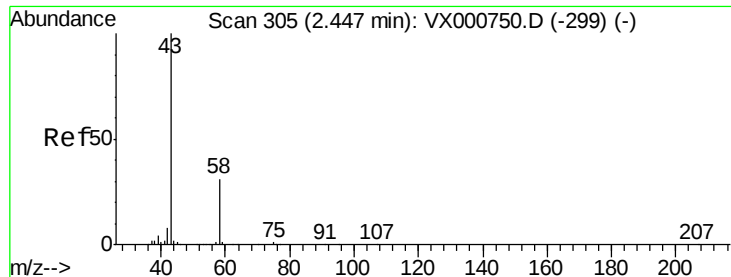
57 35.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 13.341 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

Instrument :

MSVOA_X

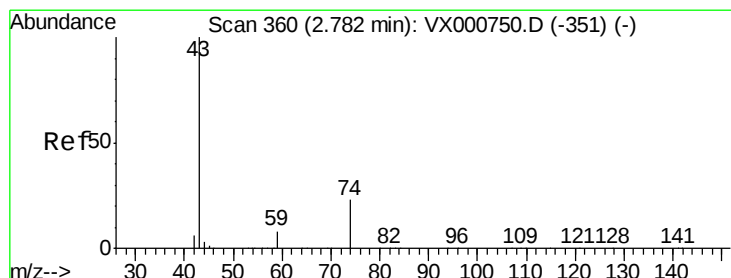
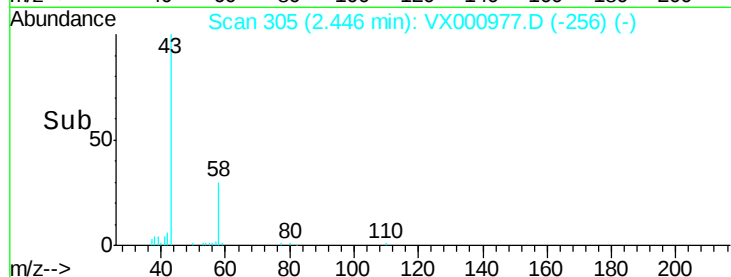
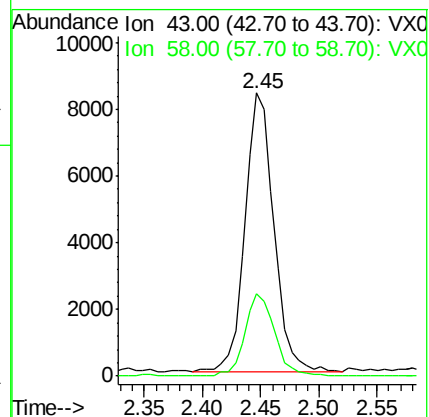
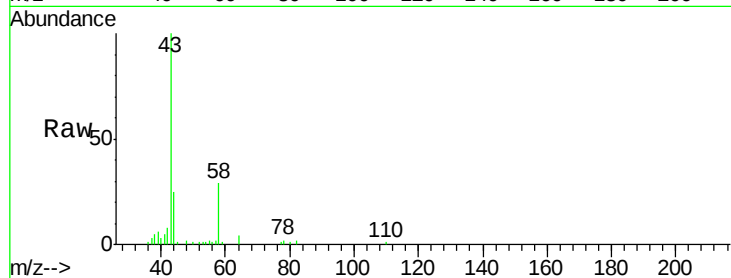
ClientSampleId :

Tot Ion: 43 Resp: 14579

Ion Ratio Lower Upper

43 100

58 29.6 24.6 37.0



#18

Methyl Acetate

Concen: 1.764 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000977.D

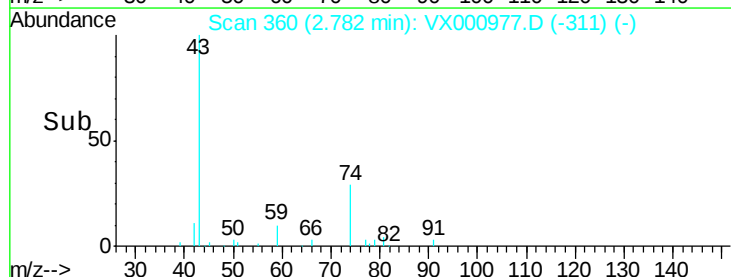
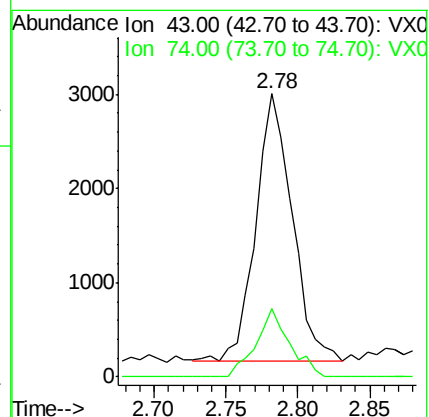
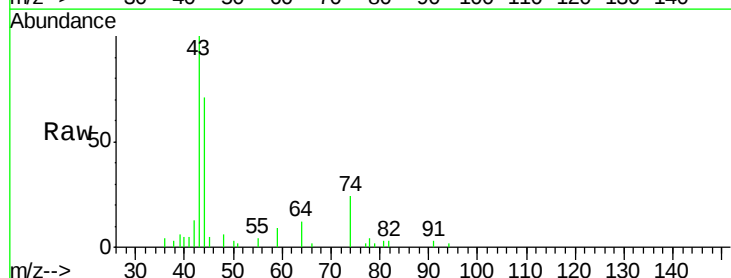
Acq: 17 Apr 2018 20:40

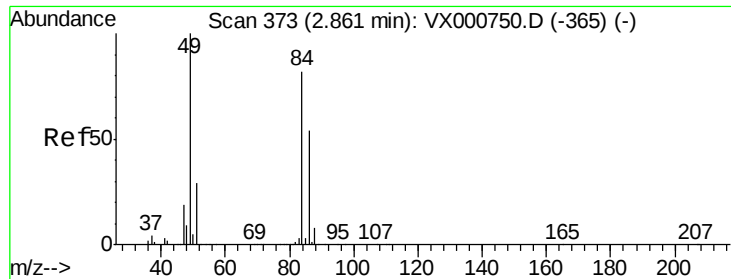
Tgt Ion: 43 Resp: 4989

Ion Ratio Lower Upper

43 100

74 23.5 19.1 28.7

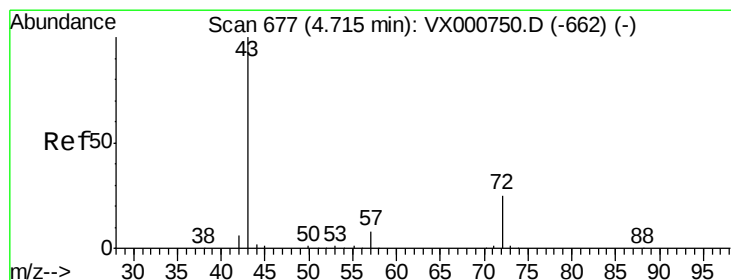
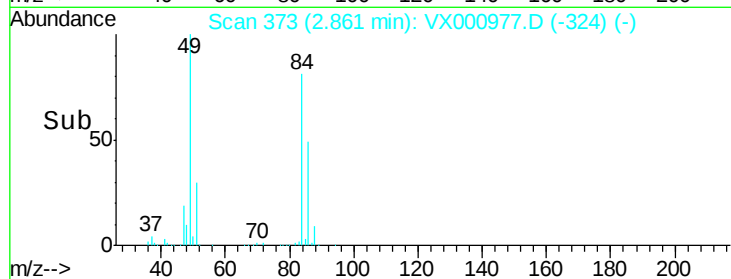
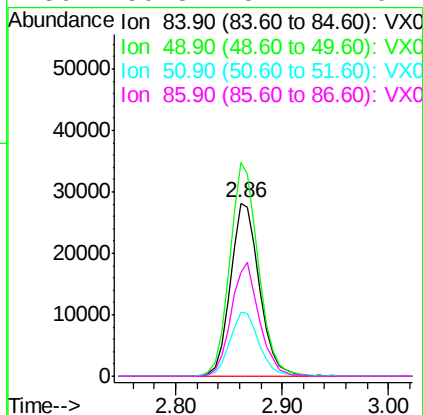
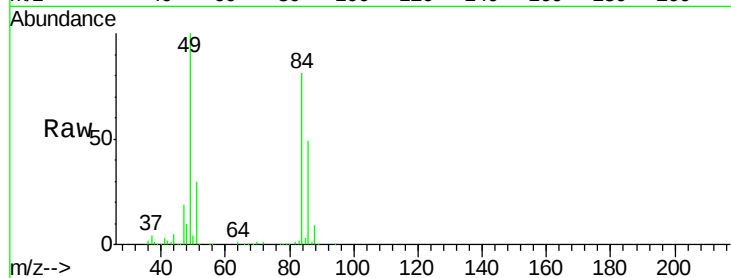




#20
Methvlene Chloride
Concen: 21.148 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000977.D
Acq: 17 Apr 2018 20:40

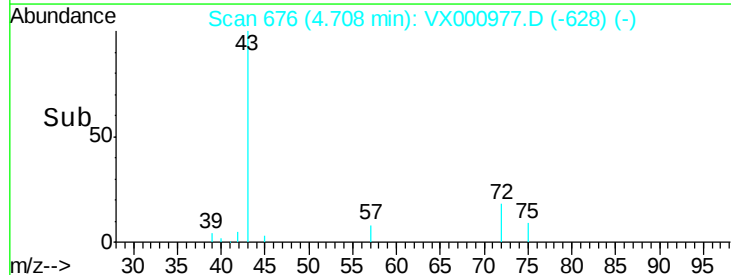
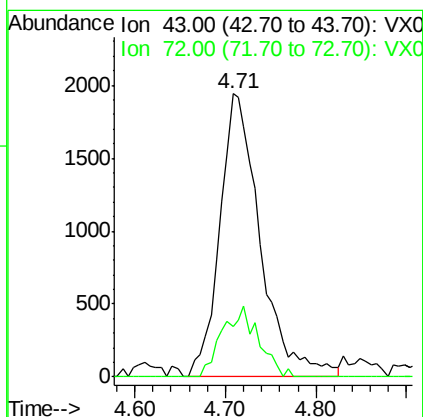
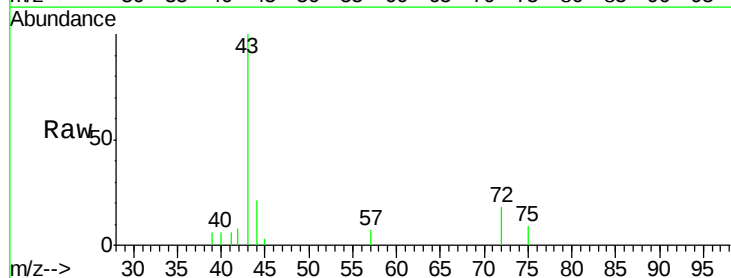
Instrument :
MSVOA_X
ClientSampled :

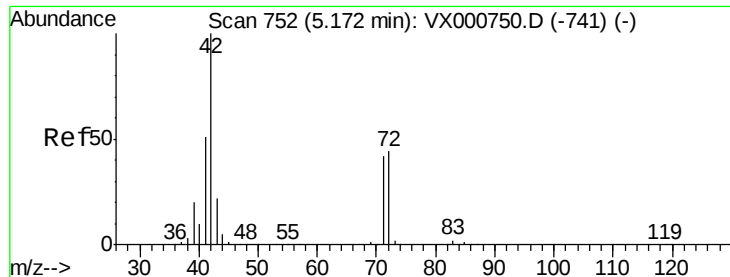
Tot Ion: 84 Resp: 53751
Ion Ratio Lower Upper
84 100
49 123.2 98.1 147.1
51 36.7 28.9 43.3
86 59.8 52.7 79.1



#25
2-Butanone
Concen: 3.350 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX000977.D
Acq: 17 Apr 2018 20:40

Tgt Ion: 43 Resp: 6045
Ion Ratio Lower Upper
43 100
72 17.6 20.3 30.5#





#29

Tetrahydrofuran

Concen: 1.849 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

Instrument :

MSVOA_X

ClientSampled :

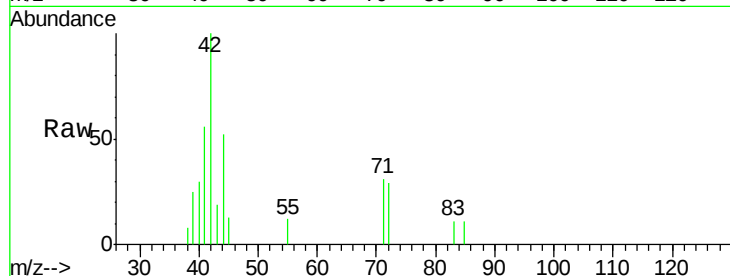
Tot Ion: 42 Resp: 2119

Ion Ratio Lower Upper

42 100

72 34.5 35.1 52.7#

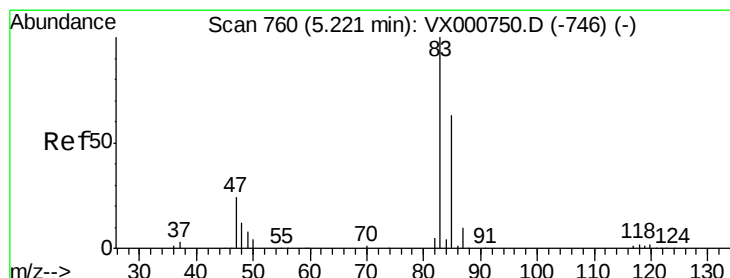
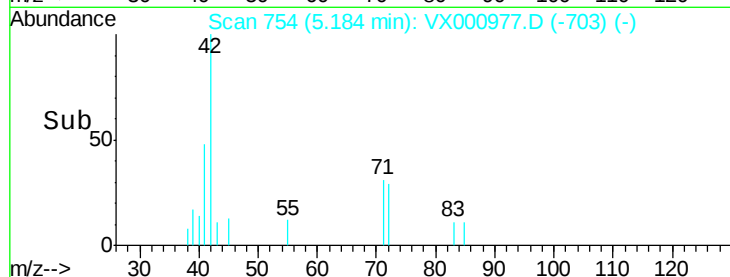
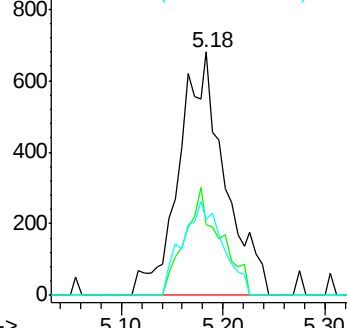
71 34.0 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.523 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX000977.D

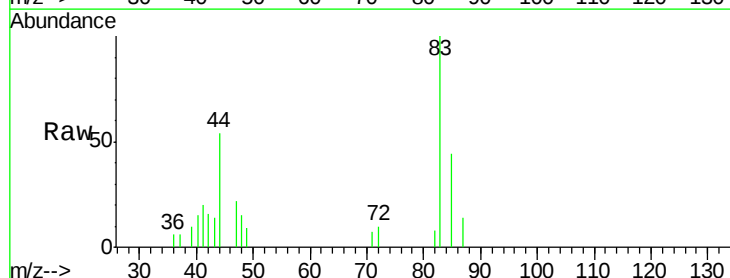
Acq: 17 Apr 2018 20:40

Tgt Ion: 83 Resp: 2436

Ion Ratio Lower Upper

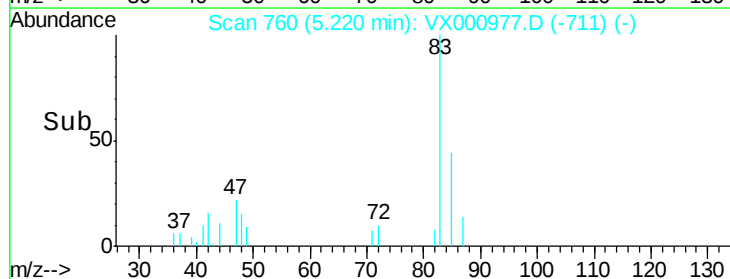
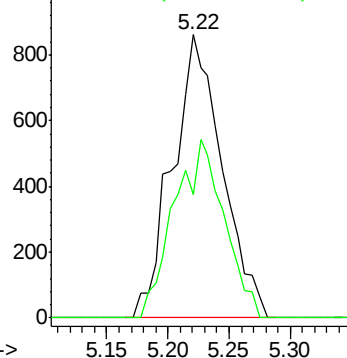
83 100

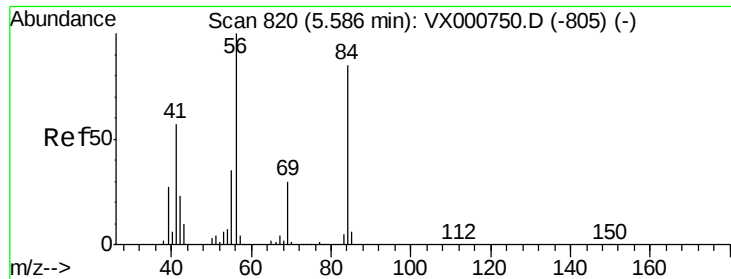
85 43.6 50.7 76.1#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

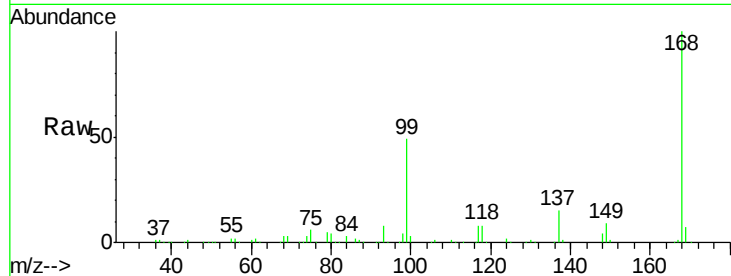




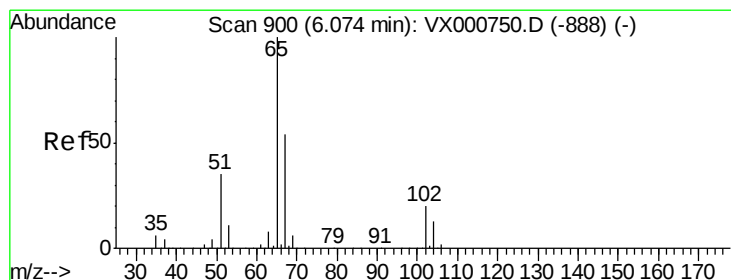
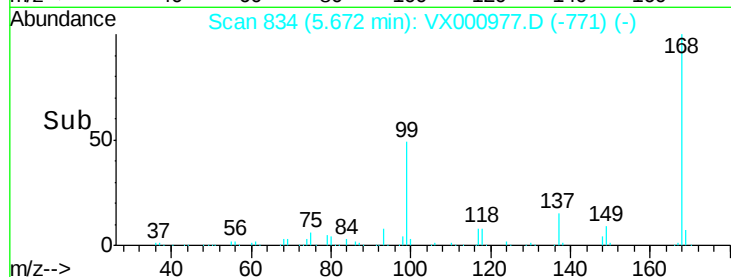
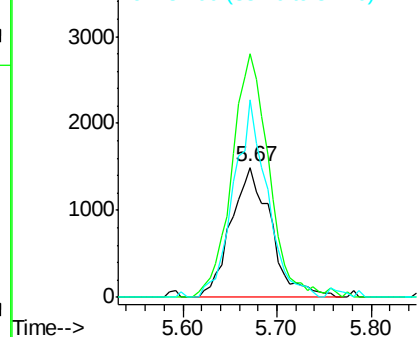
#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000977.D
Acq: 17 Apr 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4470
Ion Ratio Lower Upper
56 100
69 187.6 24.2 36.4#
84 151.8 67.6 101.4#

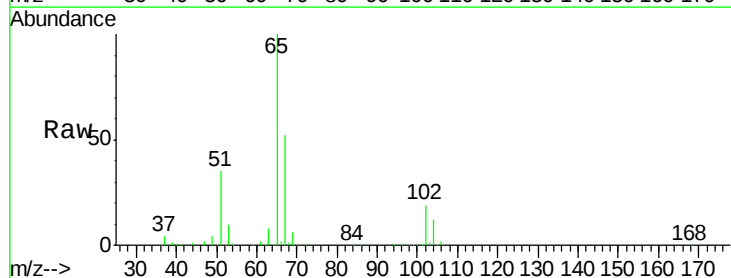


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

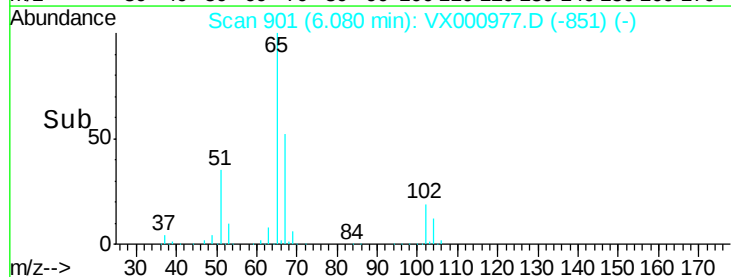
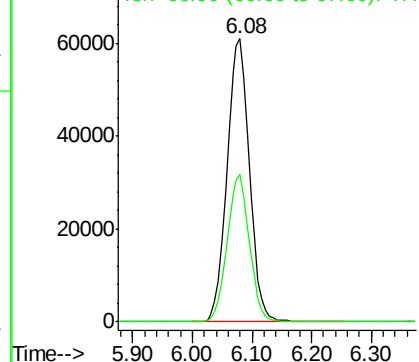


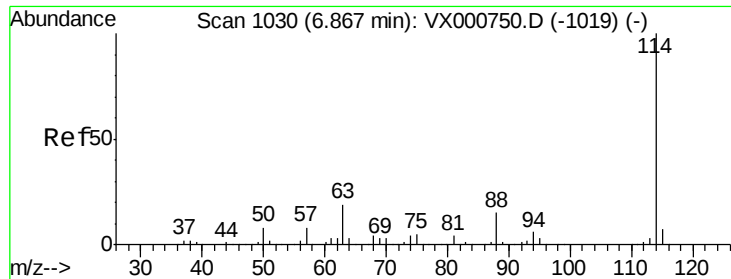
#33
1,2-Dichloroethane-d4
Concen: 50.142 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000977.D
Acq: 17 Apr 2018 20:40

Tgt Ion: 65 Resp: 158892
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



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

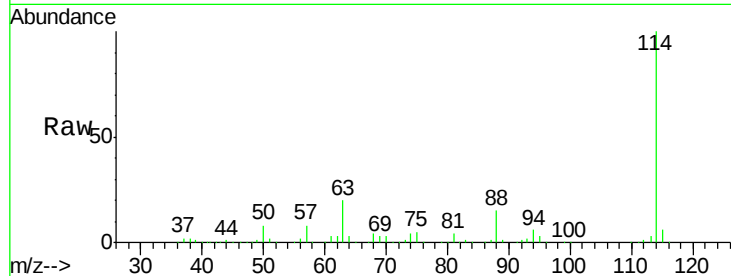




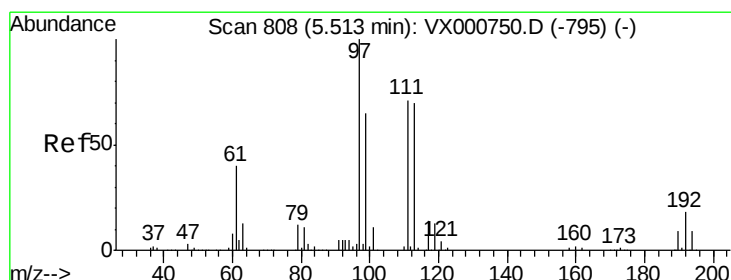
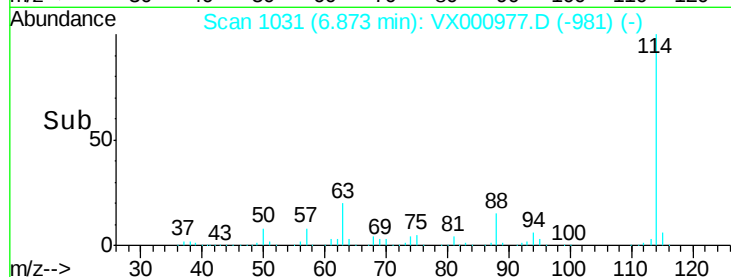
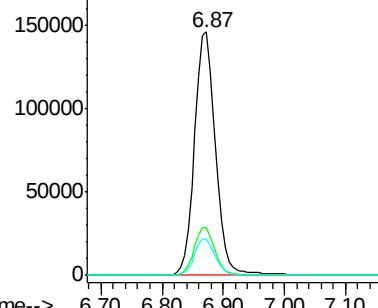
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000977.D
 Acq: 17 Apr 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.4
88	14.8	0.0	31.0

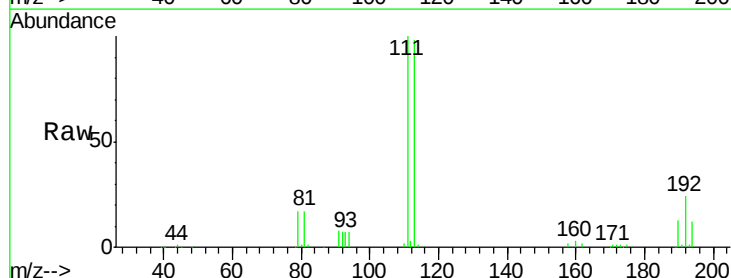


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

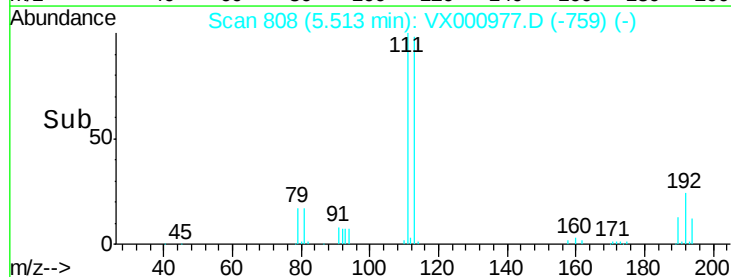
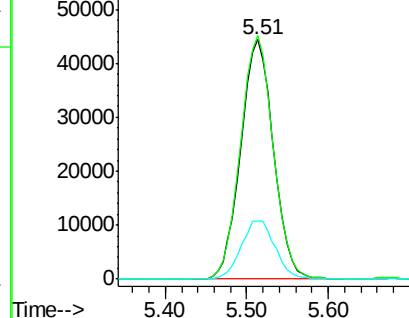


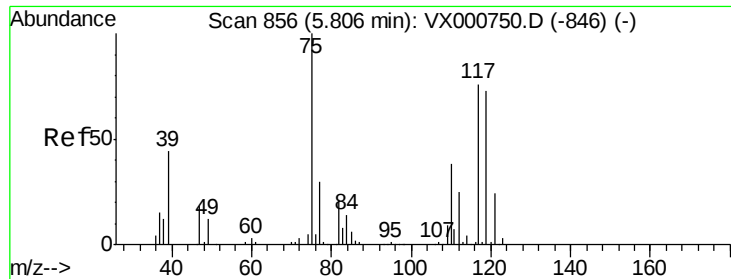
#35
 Dibromofluoromethane
 Concen: 45.878 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000977.D
 Acq: 17 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	25.2	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

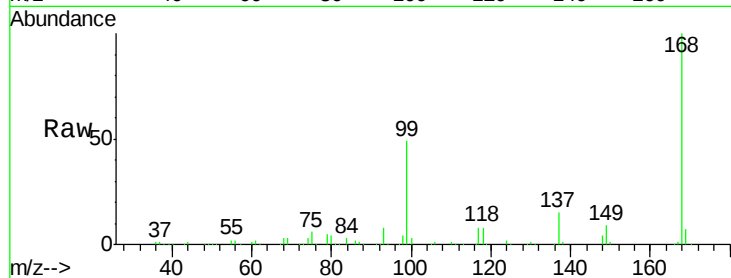




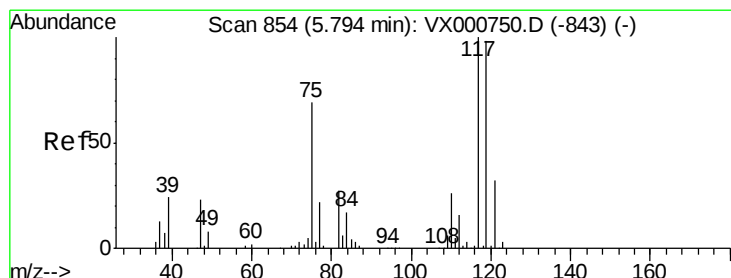
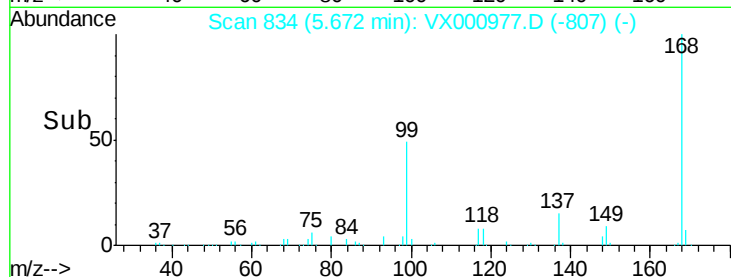
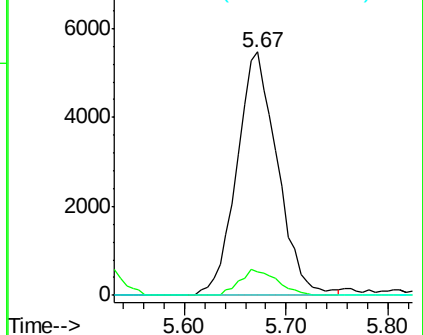
#36
 1,1-Dichloropropene
 Concen: 3.916 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000977.D
 Acq: 17 Apr 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.2	57.6#
77	0.0	25.4	38.2#

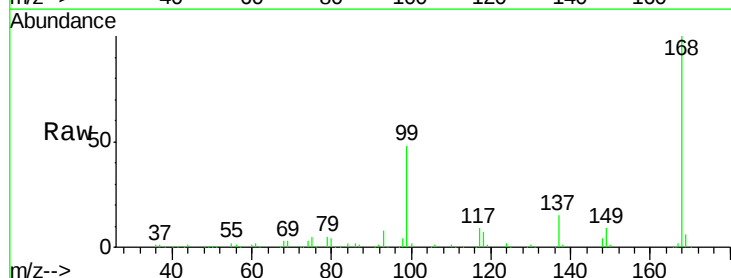


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

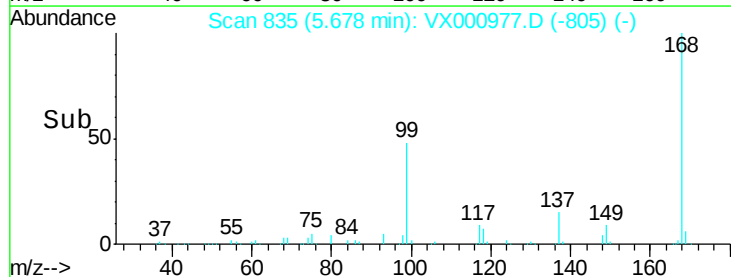
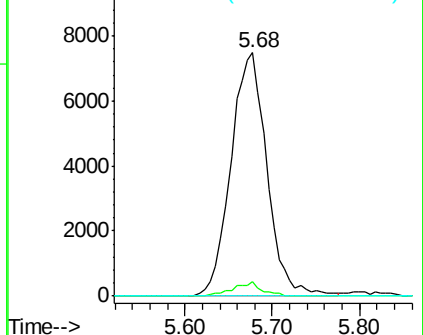


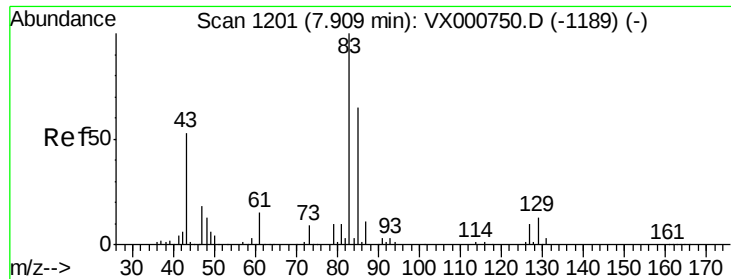
#38
 Carbon Tetrachloride
 Concen: 4.967 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000977.D
 Acq: 17 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	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





#47

Bromodichloromethane

Concen: 0.206 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

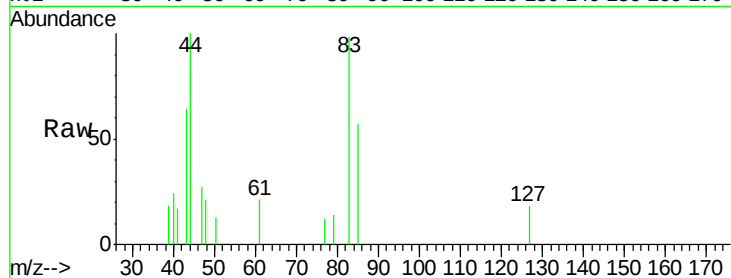
Tot Ion: 83 Resp: 790

Ion Ratio Lower Upper

83 100

85 58.3 52.2 78.4

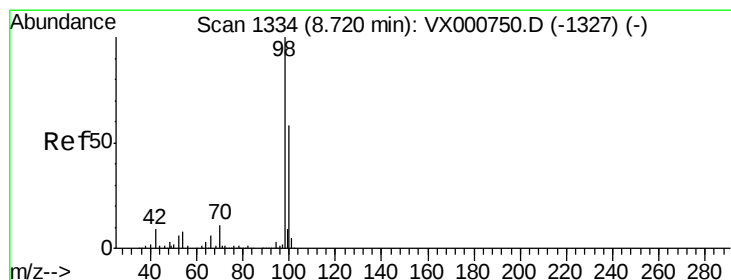
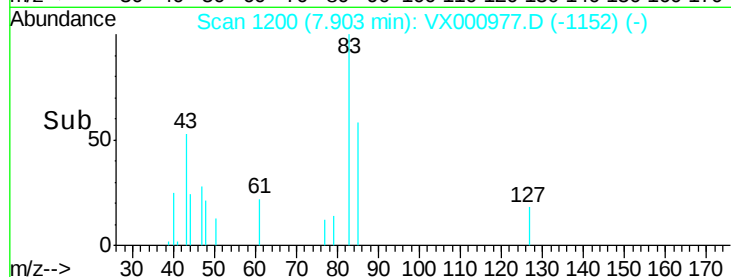
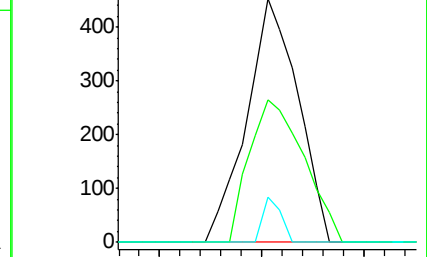
127 18.3 7.8 11.8#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#50

Toluene-d8

Concen: 48.658 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000977.D

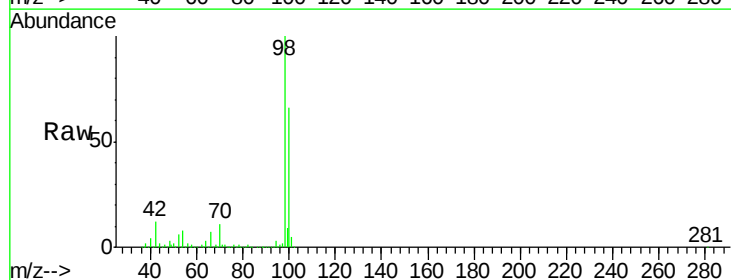
Acq: 17 Apr 2018 20:40

Tgt Ion: 98 Resp: 488298

Ion Ratio Lower Upper

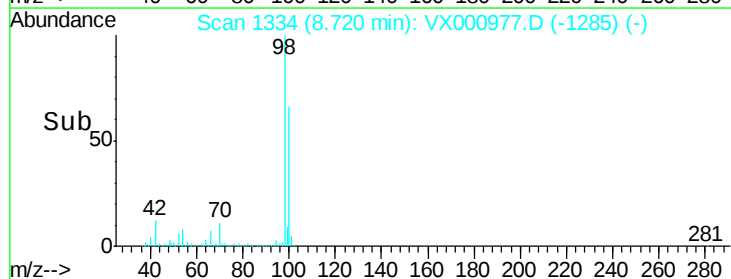
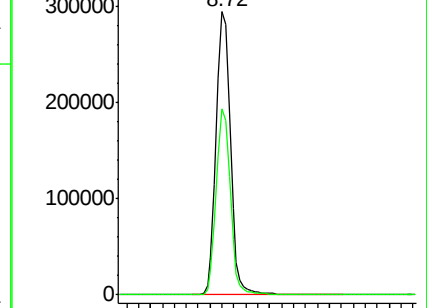
98 100

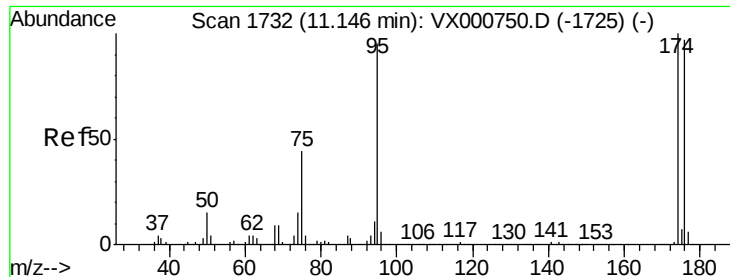
100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

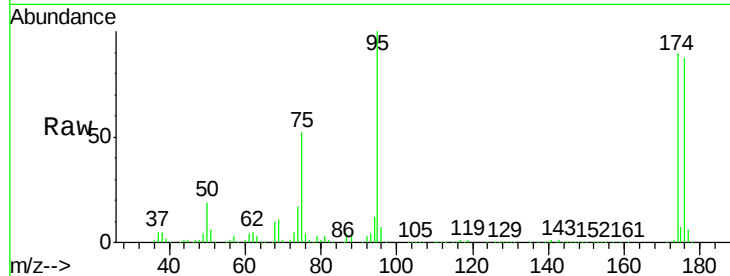




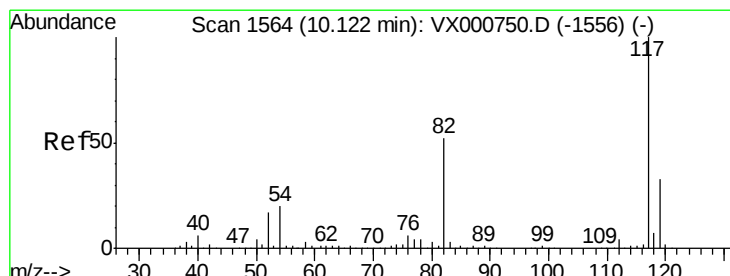
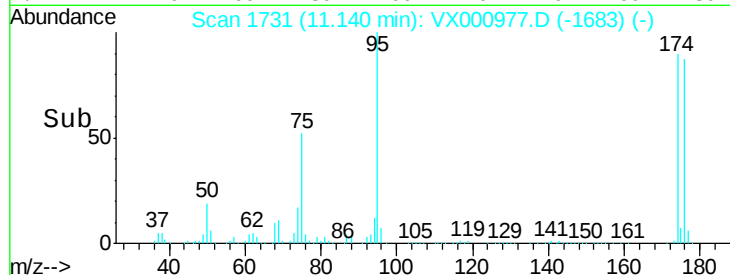
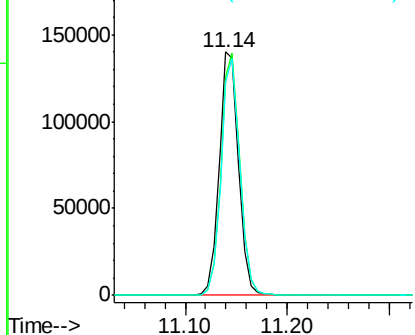
#62
 4-Bromofluorobenzene
 Concen: 44.727 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: VX000977.D
 Acq: 17 Apr 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 95 Resp: 185701
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 198.4
 176 94.4 0.0 194.4

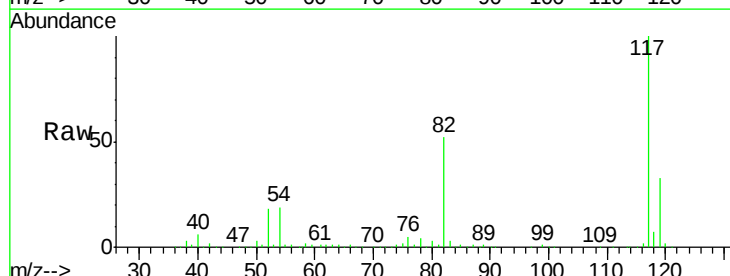


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

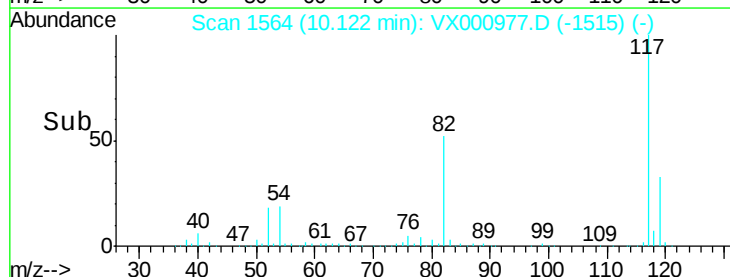
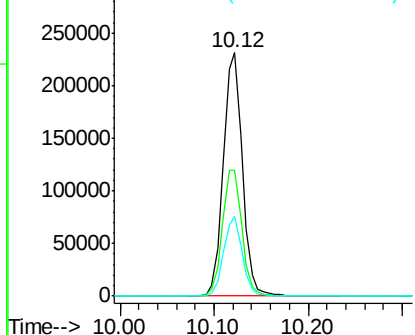


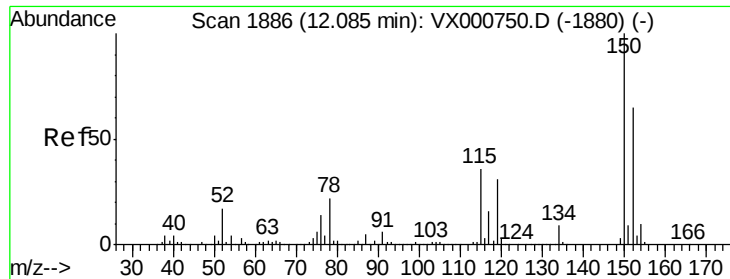
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX000977.D
 Acq: 17 Apr 2018 20:40

Tgt Ion: 117 Resp: 322826
 Ion Ratio Lower Upper
 117 100
 82 51.6 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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

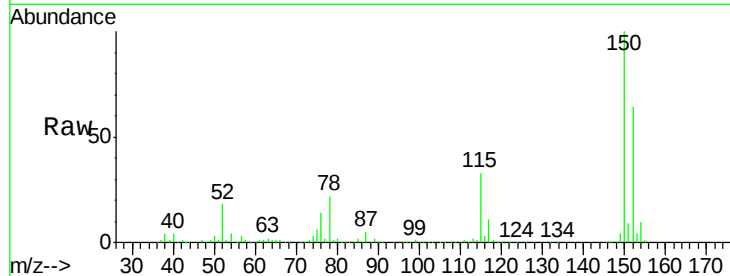
Tot Ion:152 Resp: 204384

Ion Ratio Lower Upper

152 100

115 52.5 37.9 113.7

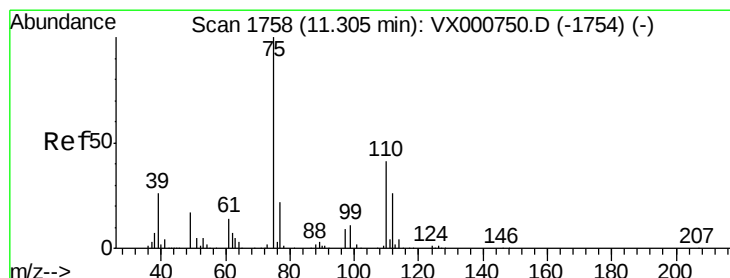
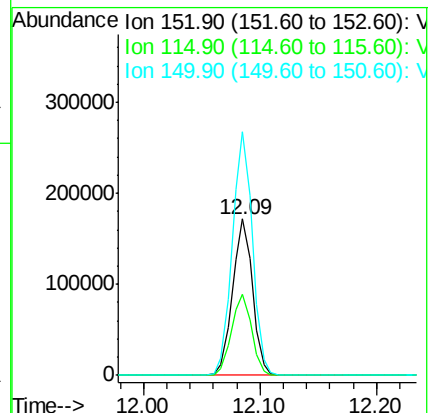
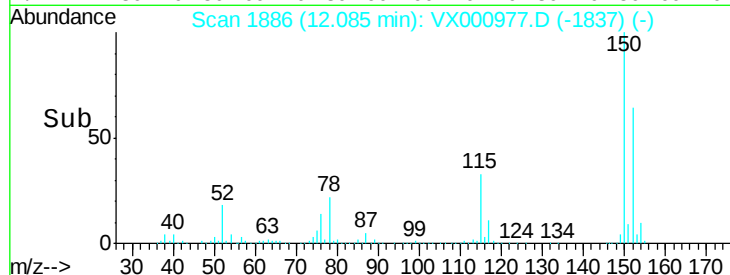
150 156.8 0.0 348.0



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: 26.296 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000977.D

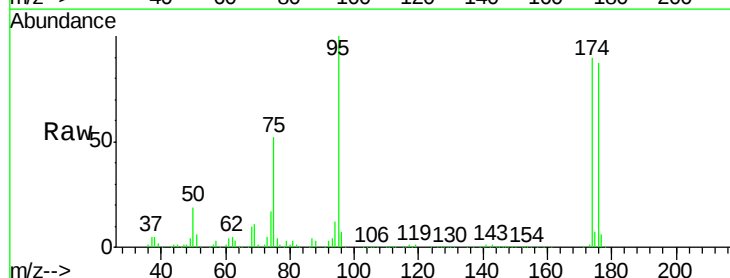
Acq: 17 Apr 2018 20:40

Tgt Ion: 75 Resp: 92688

Ion Ratio Lower Upper

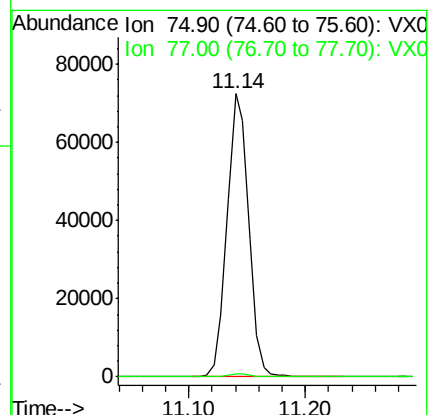
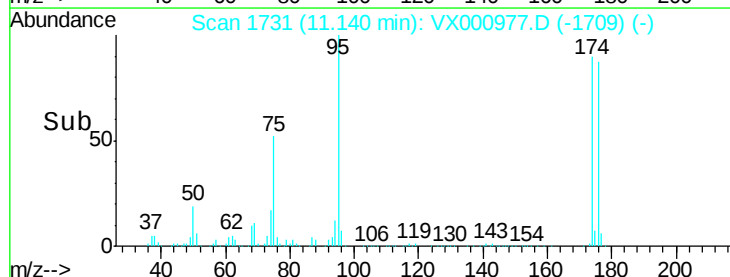
75 100

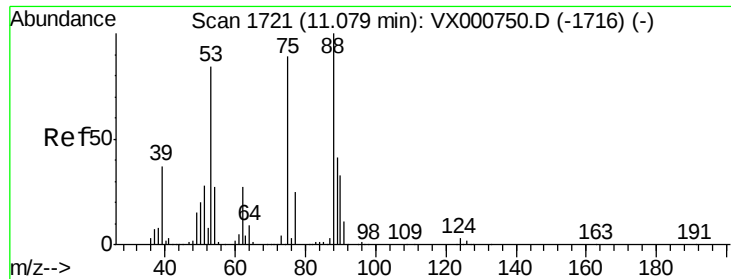
77 1.1 20.5 61.5#



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: 72.334 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

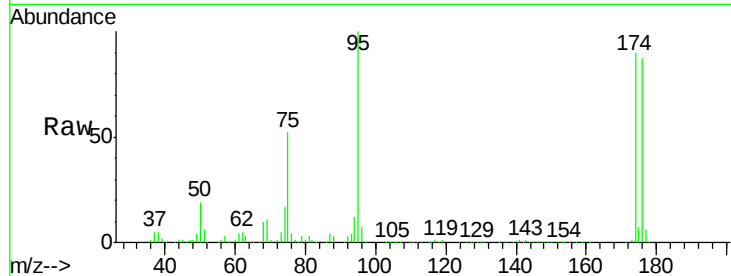
Tot Ion: 75 Resp: 92688

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

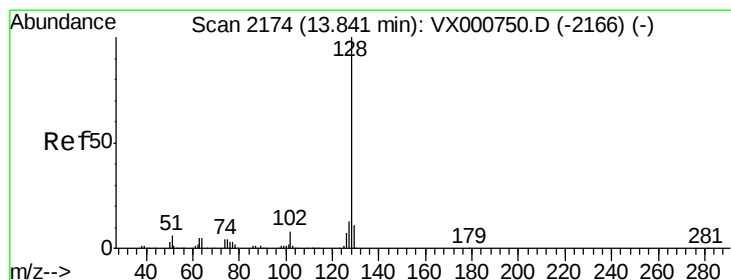
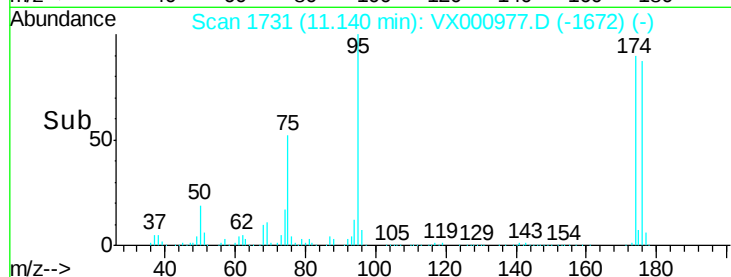
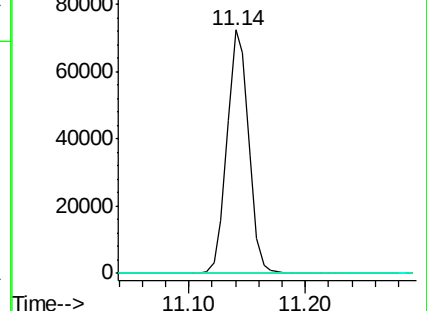
89 0.0 40.9 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.225 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000977.D

Acq: 17 Apr 2018 20:40

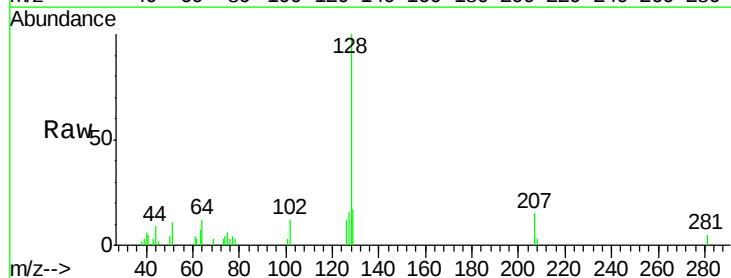
Tgt Ion: 128 Resp: 3350

Ion Ratio Lower Upper

128 100

127 14.8 10.4 15.6

129 13.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

