

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000507.D
 Acq On : 29 Mar 2018 12:17
 Operator : JC/MD
 Sample : VX0329WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 29 14:47:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	97208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	179195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	96355	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	71453	56.31	ug/l	0.00
Spiked Amount			Recovery	=	112.62%	
35) Dibromofluoromethane	5.51	113	55128	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.72	98	235374	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.15	95	80806	42.02	ug/l	0.00
Spiked Amount			Recovery	=	84.04%	

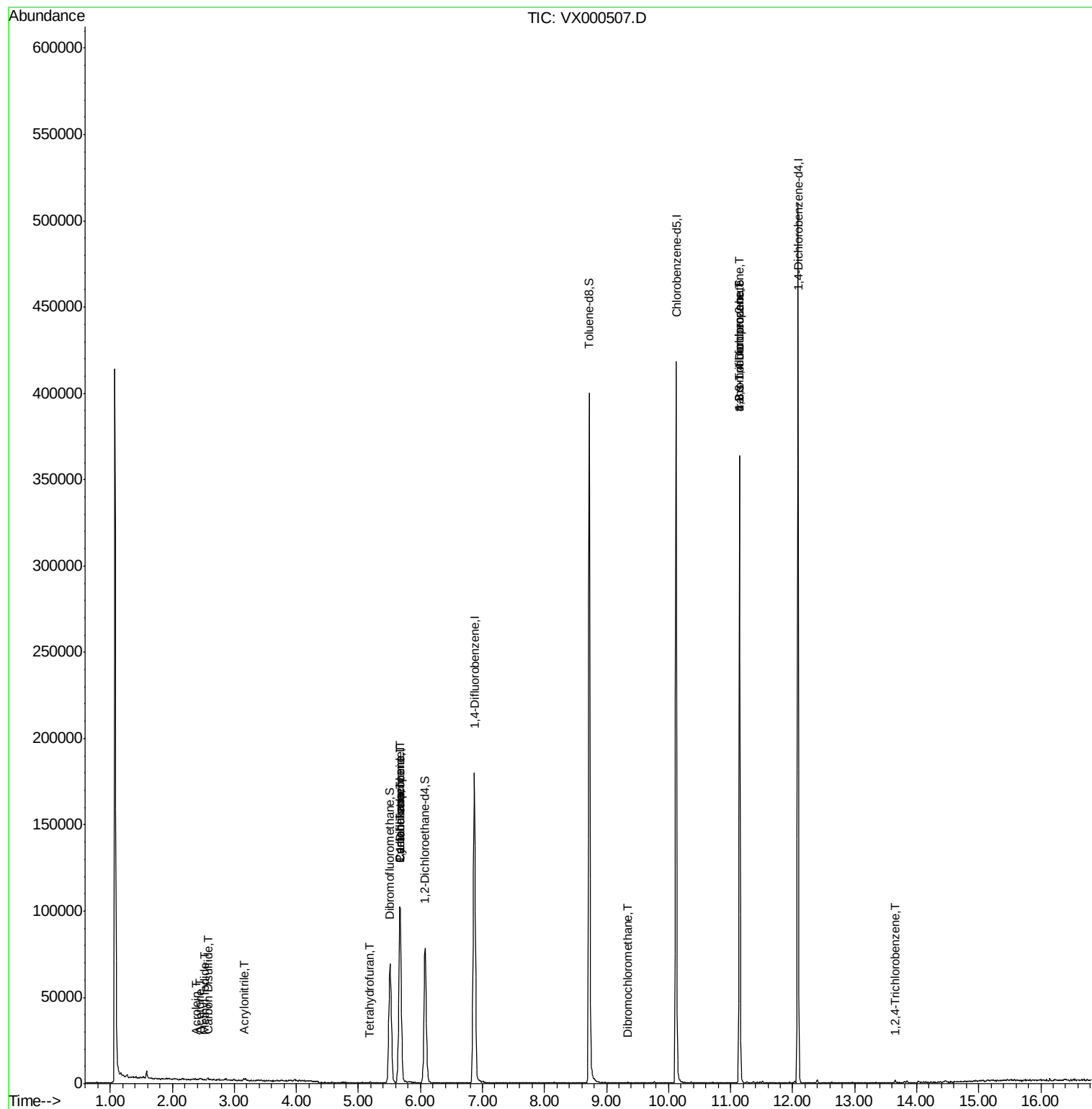
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	25	Below Cal	#	44
10) Methyl Iodide	2.53	142	25	4.29	ug/l #	37
13) Acrolein	2.39	56	20	14.71	ug/l #	1
15) Acrylonitrile	3.15	53	459	0.52	ug/l #	85
16) Acetone	2.45	43	452	0.43	ug/l	94
17) Carbon Disulfide	2.57	76	1052	0.39	ug/l #	36
29) Tetrahydrofuran	5.18	42	378	0.52	ug/l #	36
31) Cyclohexane	5.67	56	2617	1.63	ug/l #	42
36) 1,1-Dichloropropene	5.66	75	7842	4.67	ug/l #	50
38) Carbon Tetrachloride	5.67	117	10133	5.75	ug/l #	14
60) Dibromochloromethane	9.35	129	23	4.13	ug/l #	12
74) N-amyl acetate	6.48	43	37	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	46879	22.64	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	46879	73.29	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.66	180	462	0.20	ug/l #	92

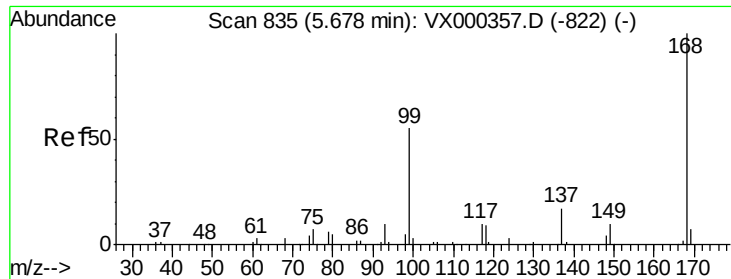
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000507.D

Acq: 29 Mar 2018 12:17

Instrument :

MSVOA_X

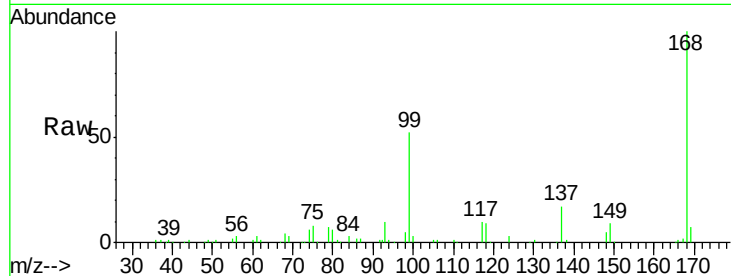
ClientSampled :

Tot Ion:168 Resp: 97208

Ion Ratio Lower Upper

168 100

99 52.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

30000

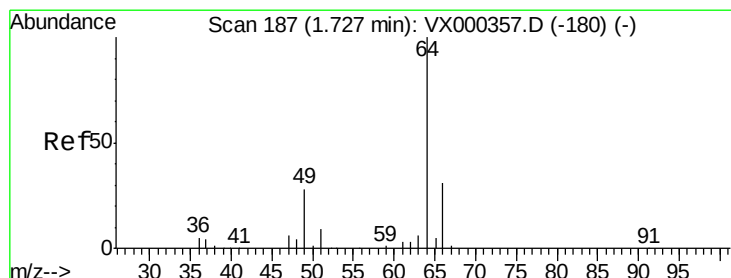
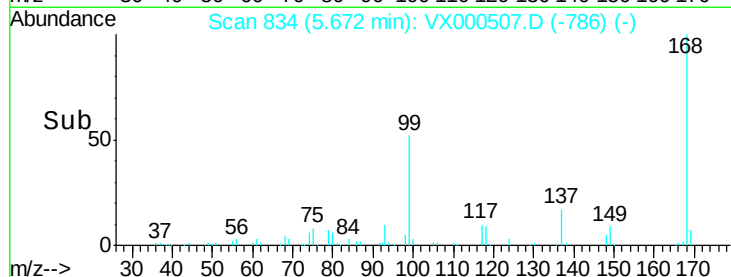
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000507.D

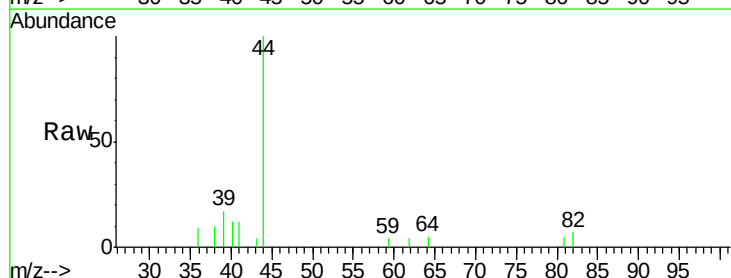
Acq: 29 Mar 2018 12:17

Tgt Ion: 64 Resp: 25

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80

60

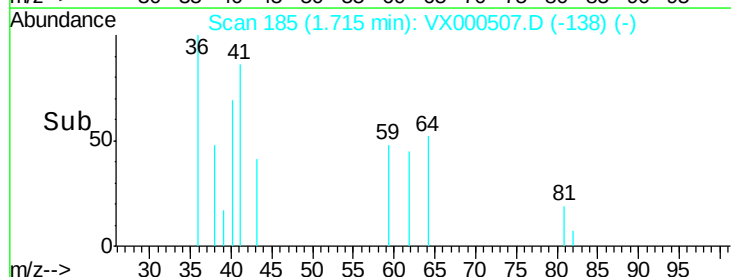
40

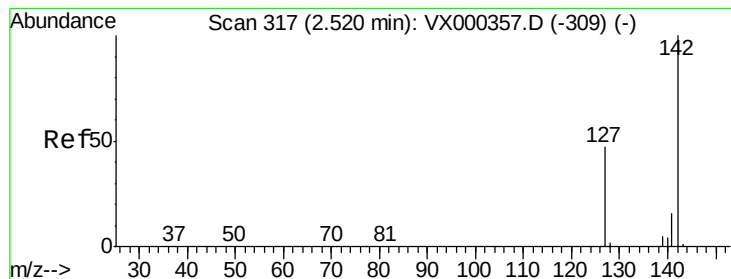
20

0

1.70 1.71 1.72 1.73

Time-->





#10

Methyl Iodide

Concen: 4.29 ug/l

RT: 2.53 min Scan# 318

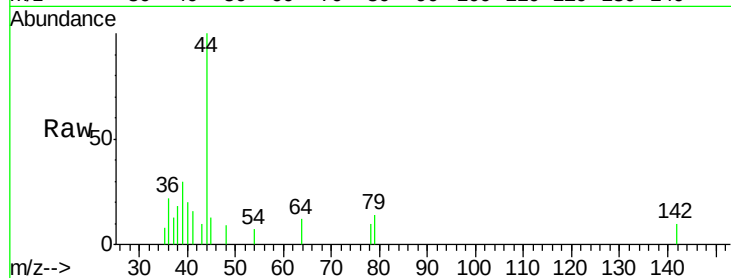
Delta R.T. 0.01 min

Lab File: VX000507.D

Acq: 29 Mar 2018 12:17

Instrument :
MSVOA_X
ClientSampled :

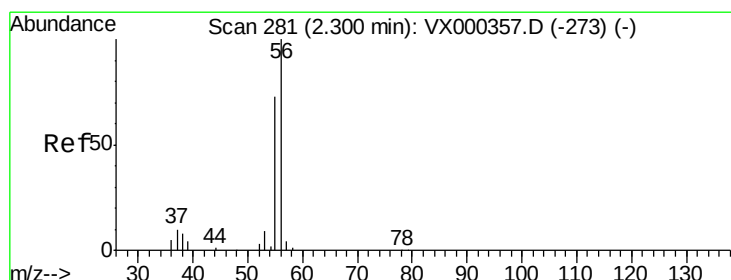
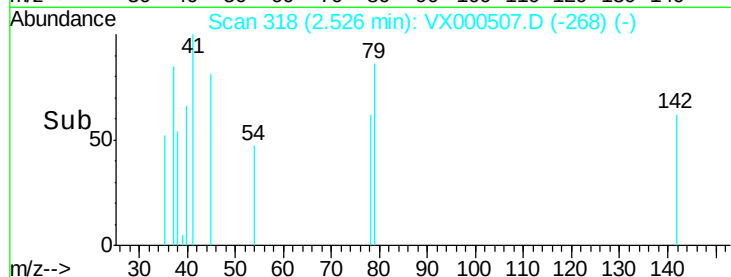
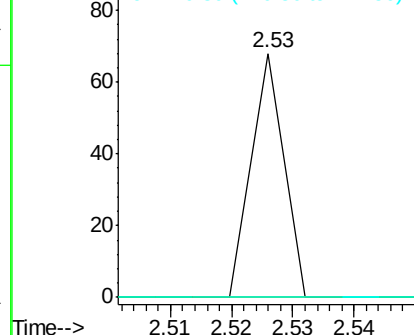
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	39.2	58.8#
141	0.0	11.7	17.5#



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



#13

Acrolein

Concen: 14.71 ug/l

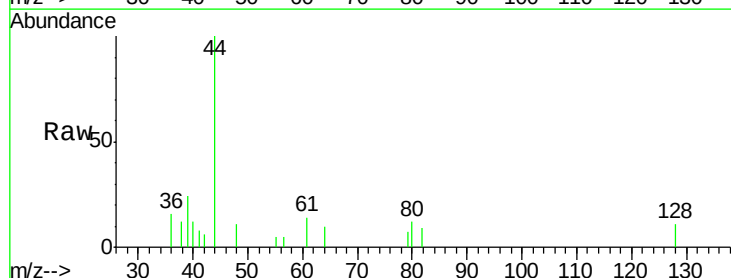
RT: 2.39 min Scan# 296

Delta R.T. 0.09 min

Lab File: VX000507.D

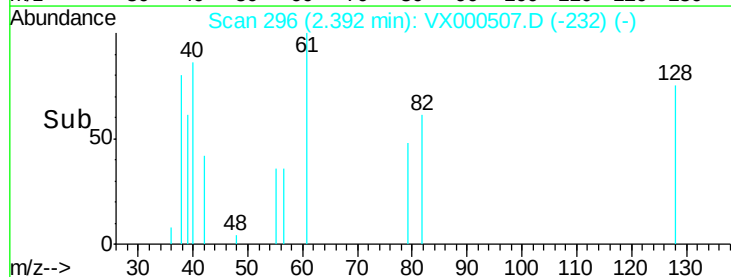
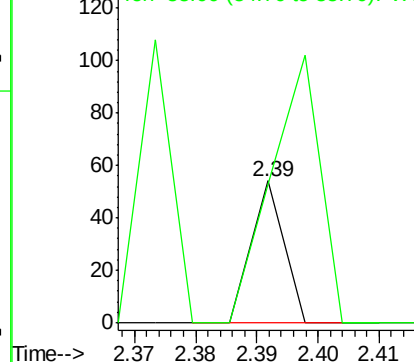
Acq: 29 Mar 2018 12:17

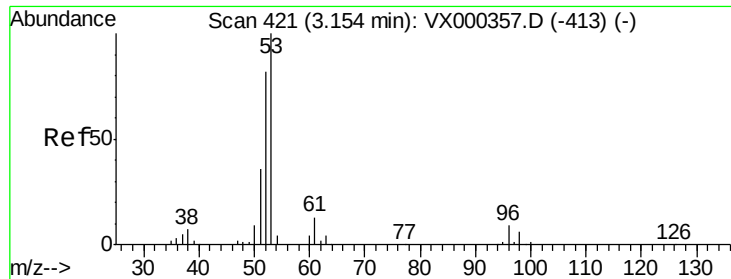
Tgt Ion	Ratio	Lower	Upper
56	100		
55	285.0	58.8	88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

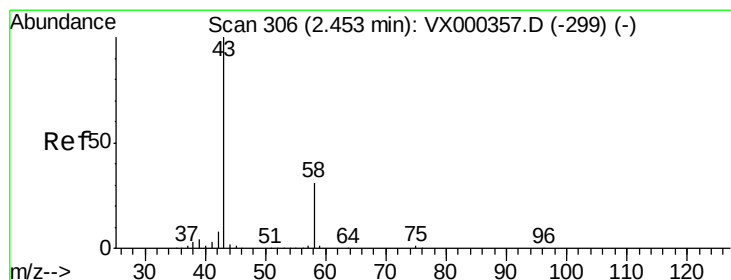
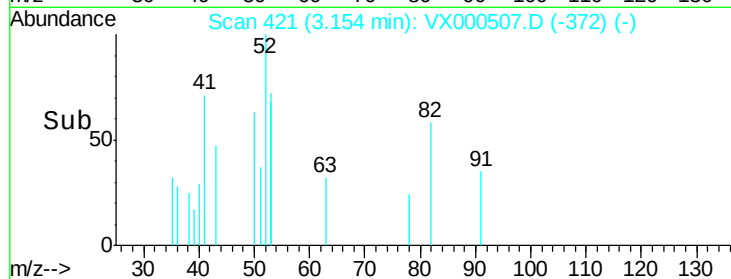
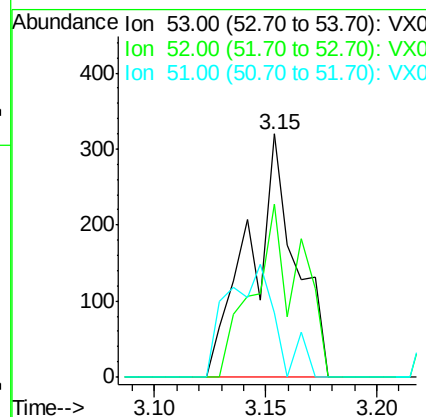
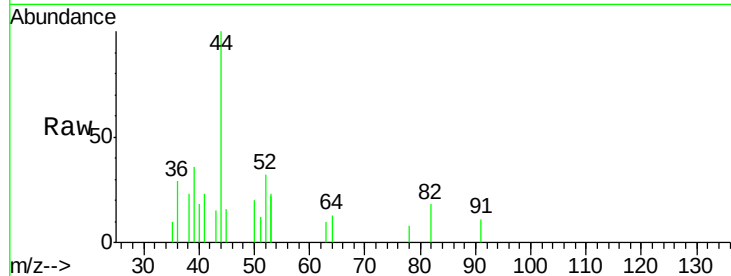




#15
 Acrylonitrile
 Concen: 0.52 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX000507.D
 Acq: 29 Mar 2018 12:17

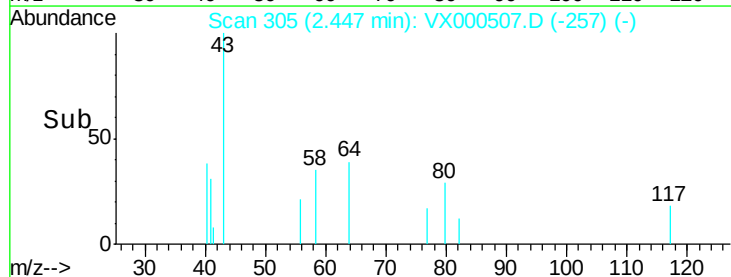
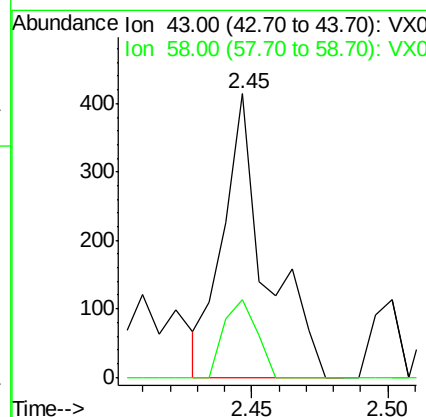
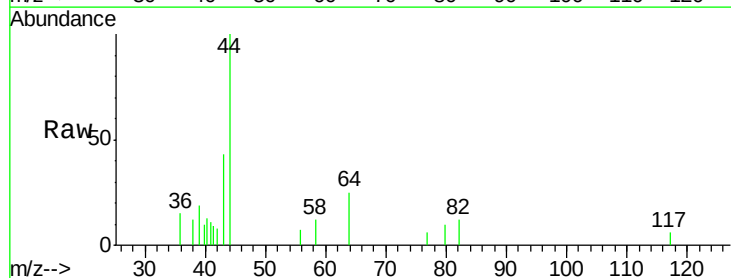
Instrument :
 MSVOA_X
 ClientSampled :

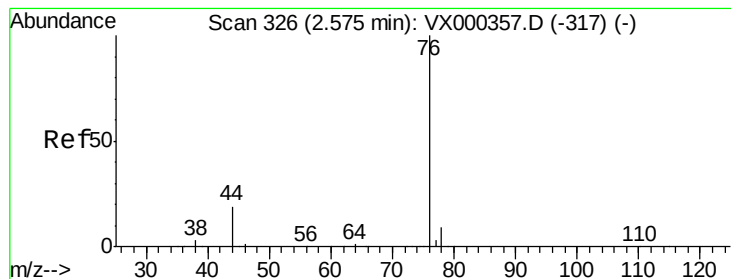
Tot Ion: 53 Resp: 459
 Ion Ratio Lower Upper
 53 100
 52 72.1 66.6 99.8
 51 49.0 29.3 43.9#



#16
 Acetone
 Concen: 0.43 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX000507.D
 Acq: 29 Mar 2018 12:17

Tgt Ion: 43 Resp: 452
 Ion Ratio Lower Upper
 43 100
 58 27.5 24.7 37.1





#17

Carbon Disulfide

Concen: 0.39 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000507.D

Acq: 29 Mar 2018 12:17

Instrument :

MSVOA_X

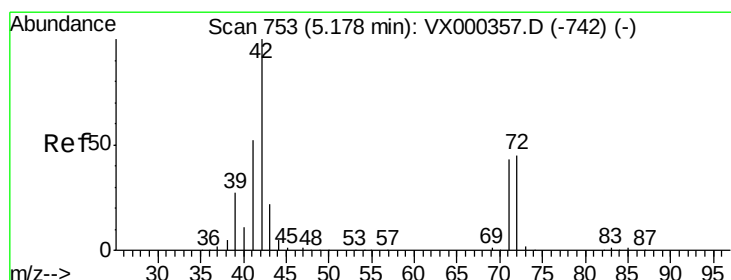
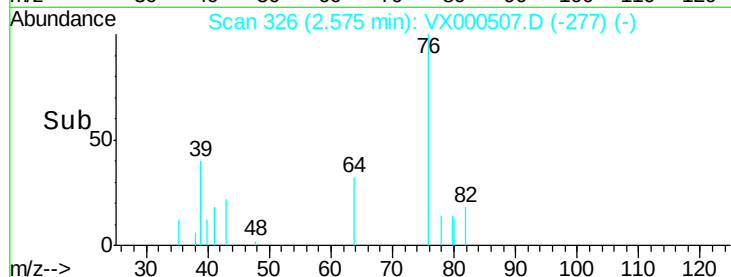
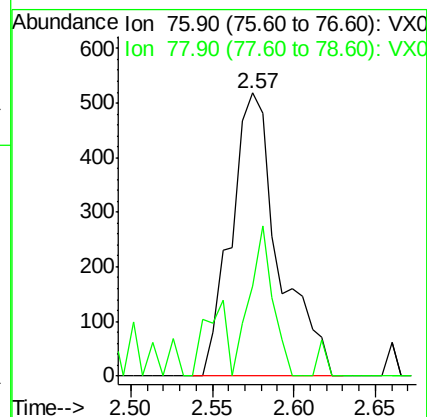
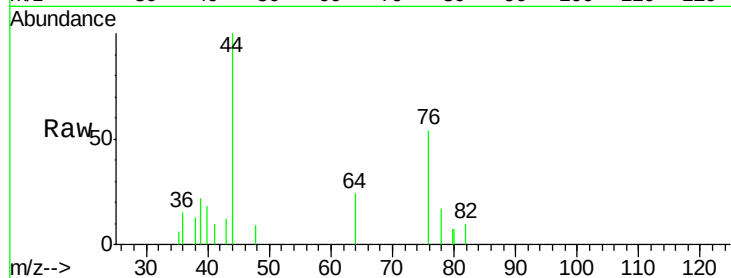
ClientSampled :

Tot Ion: 76 Resp: 1052

Ion Ratio Lower Upper

76 100

78 31.7 7.0 10.6#



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000507.D

Acq: 29 Mar 2018 12:17

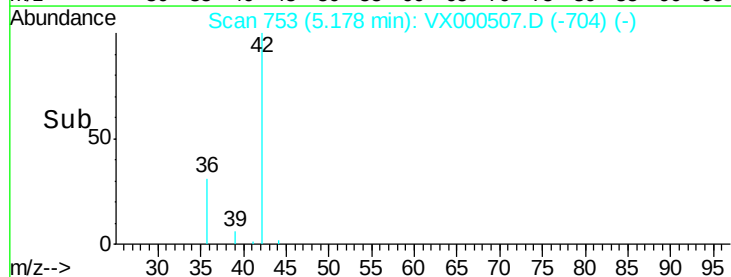
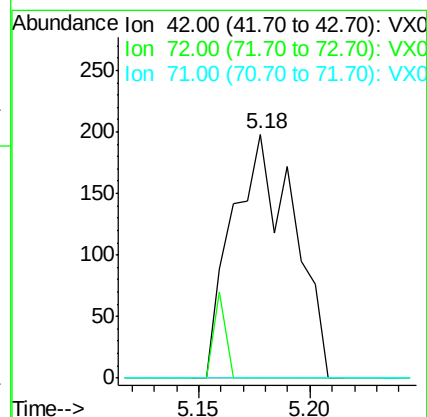
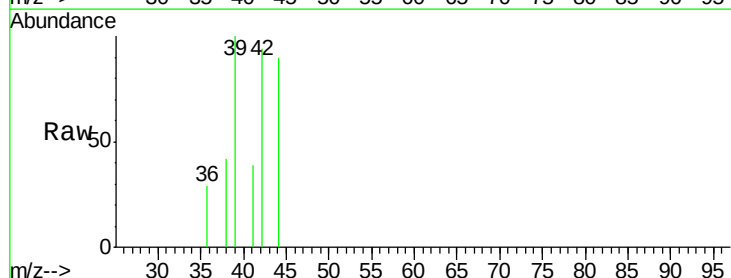
Tgt Ion: 42 Resp: 378

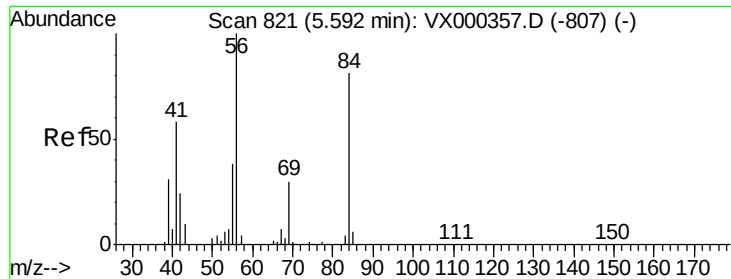
Ion Ratio Lower Upper

42 100

72 6.9 37.9 56.9#

71 0.0 34.4 51.6#

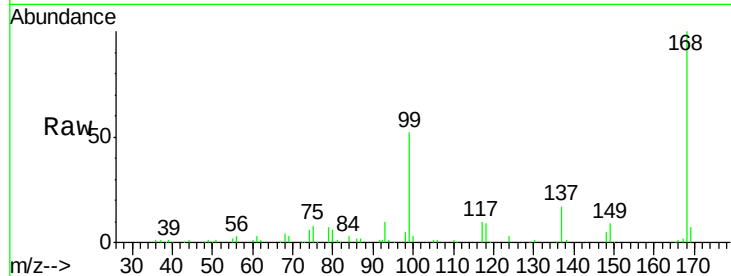




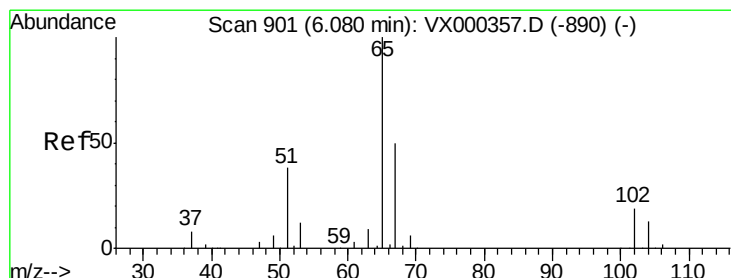
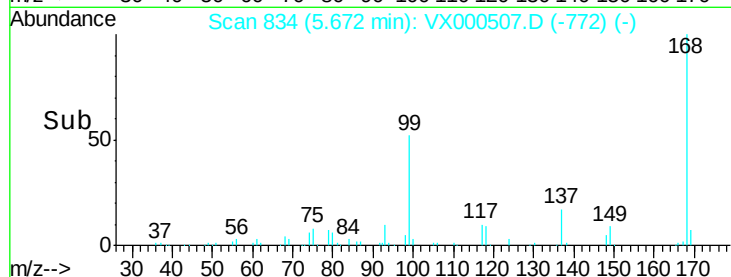
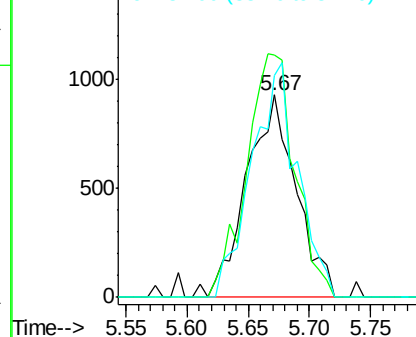
#31
Cyclohexane
Concen: 1.63 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 2617
Ion Ratio Lower Upper
56 100
69 119.5 23.4 35.0#
84 109.5 71.0 106.4#

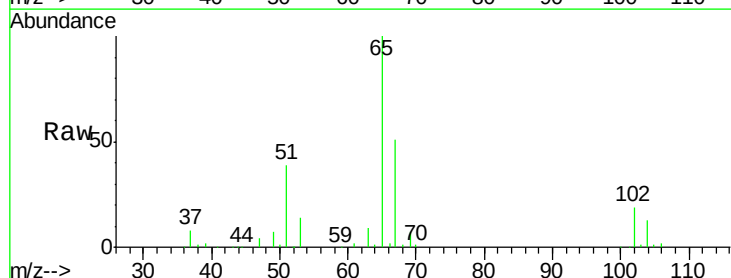


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

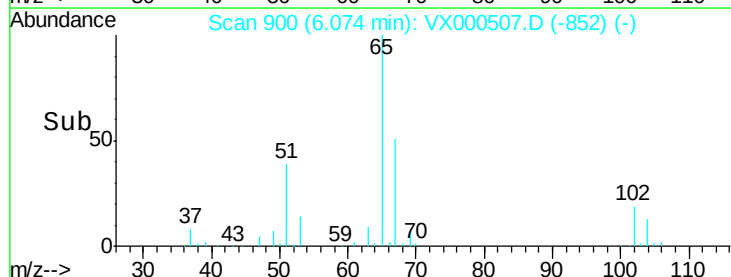
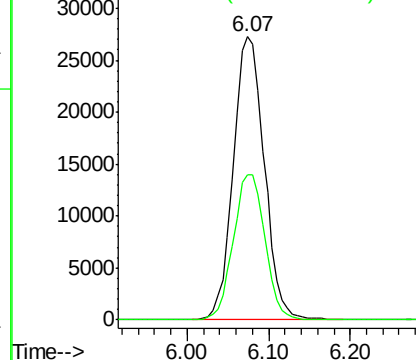


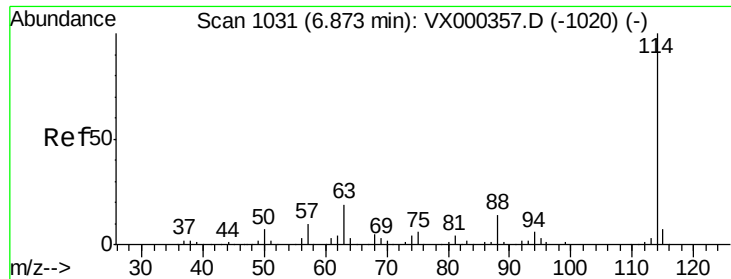
#33
1,2-Dichloroethane-d4
Concen: 56.31 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

Tgt Ion: 65 Resp: 71453
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.2



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

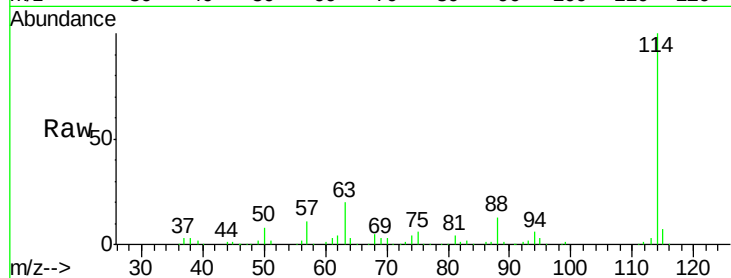




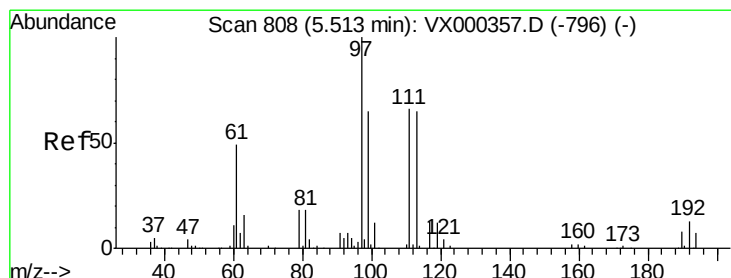
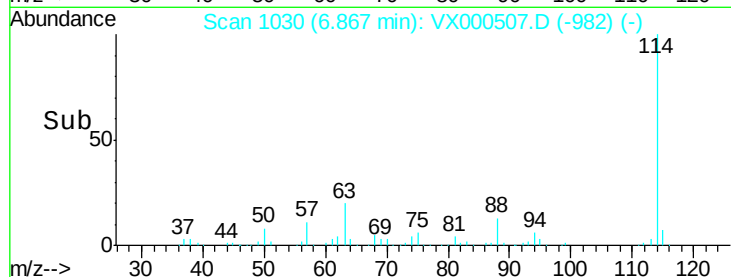
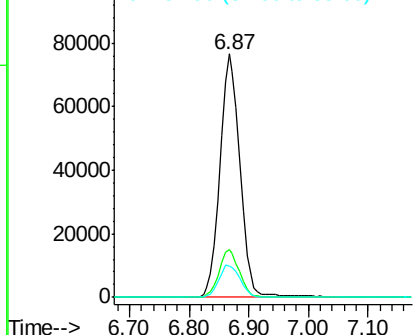
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 179195
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.4
88 12.9 0.0 27.0

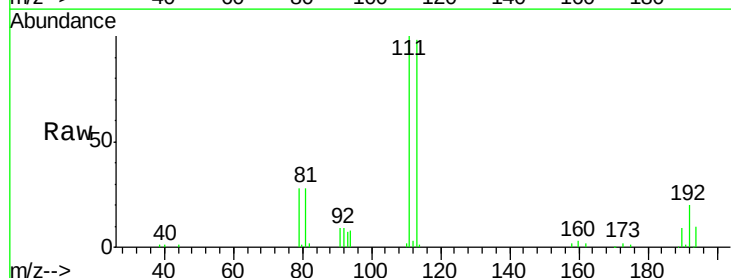


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX
Ion 87.90 (87.60 to 88.60): VX

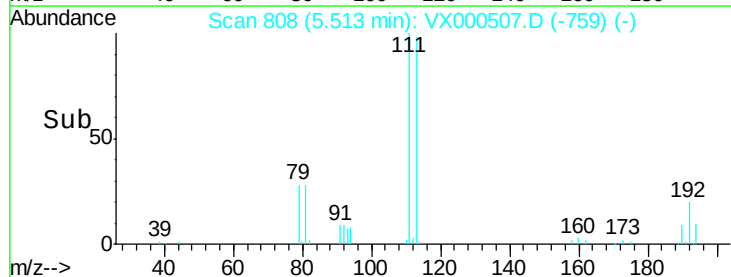
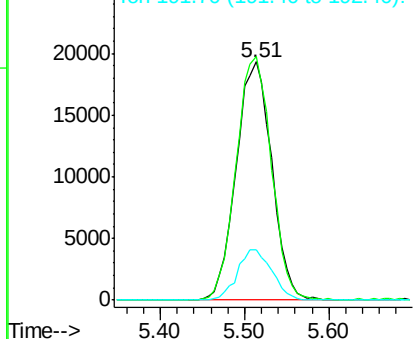


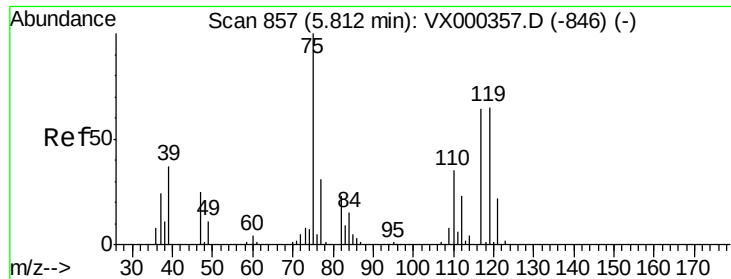
#35
Dibromofluoromethane
Concen: 48.83 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

Tgt Ion:113 Resp: 55128
Ion Ratio Lower Upper
113 100
111 101.4 82.4 123.6
192 20.7 15.8 23.6



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

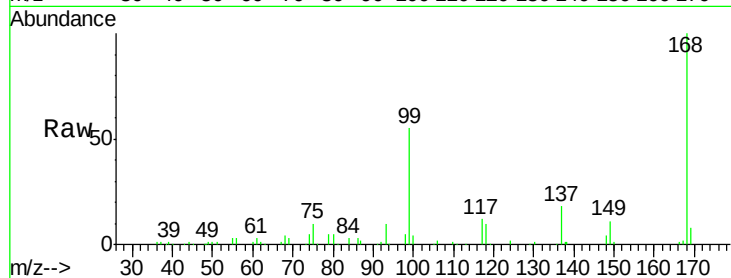




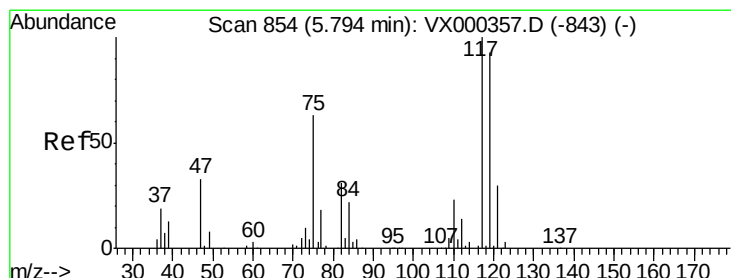
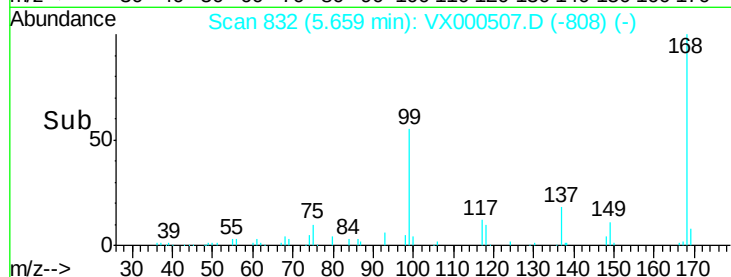
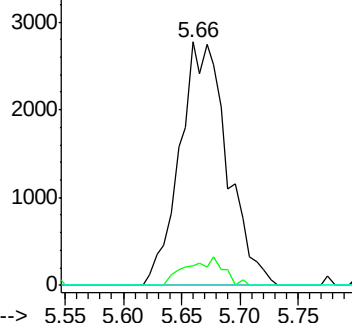
#36
 1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX000507.D
 Acq: 29 Mar 2018 12:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 7842
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.9 53.7#
 77 0.0 24.0 36.0#

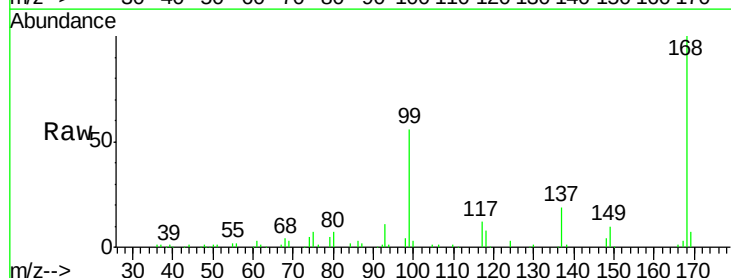


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

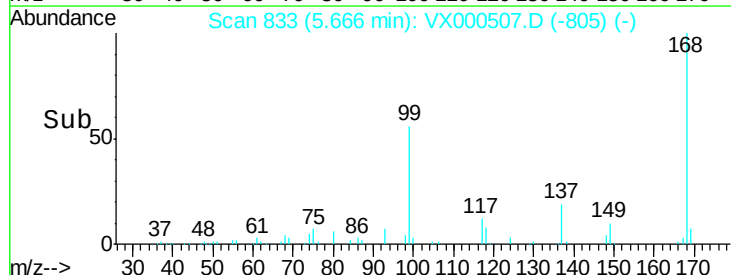
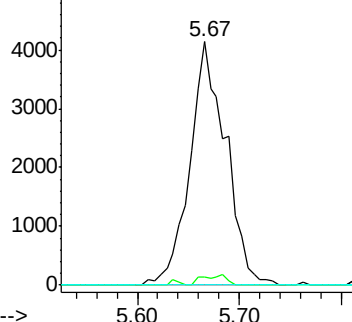


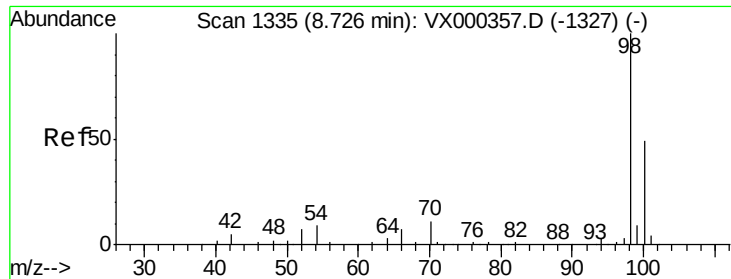
#38
 Carbon Tetrachloride
 Concen: 5.75 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX000507.D
 Acq: 29 Mar 2018 12:17

Tgt Ion:117 Resp: 10133
 Ion Ratio Lower Upper
 117 100
 119 3.4 77.4 116.2#
 121 0.0 24.8 37.2#



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

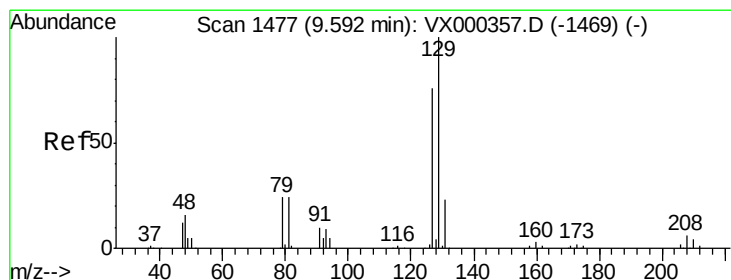
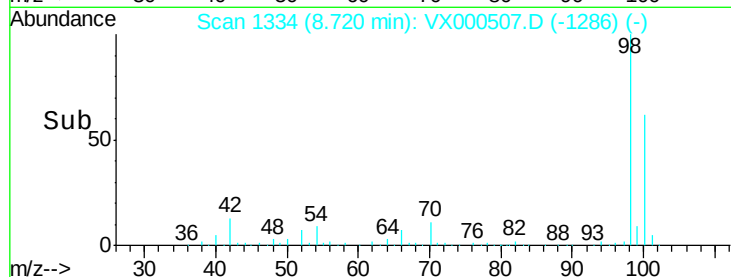
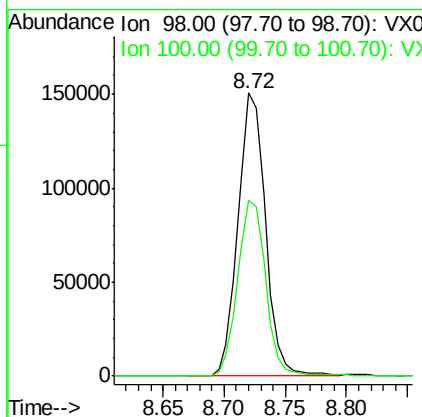
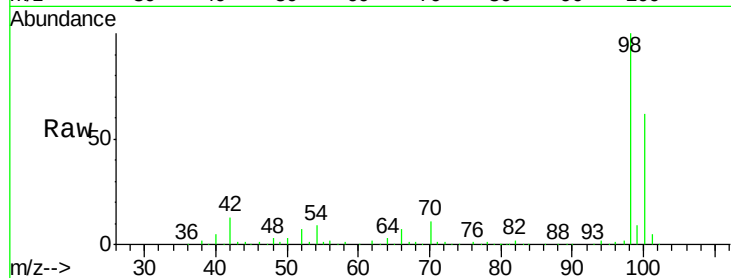




#50
Toluene-d8
Concen: 50.33 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

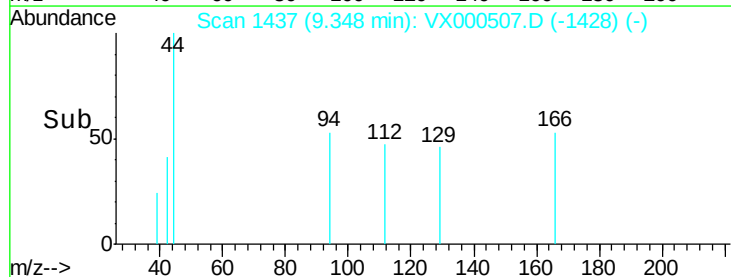
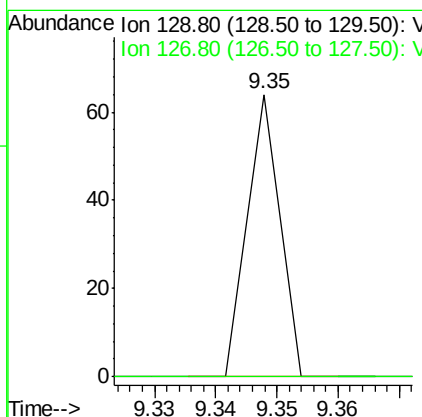
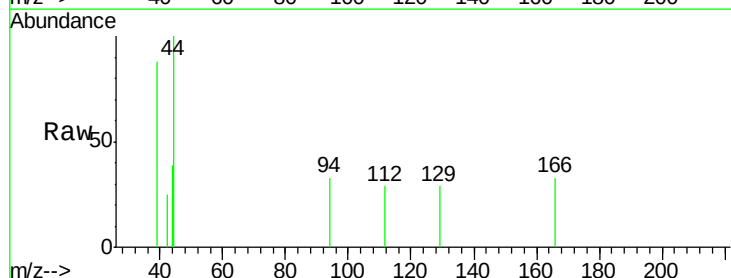
Instrument :
MSVOA_X
ClientSampleId :

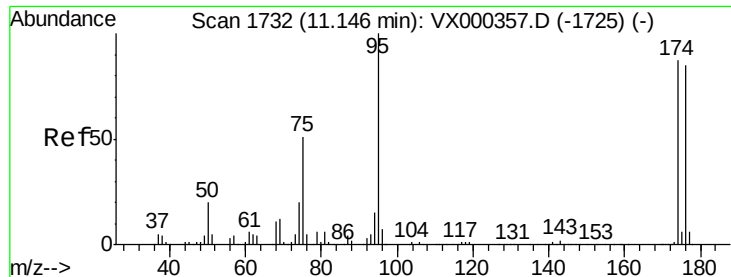
Tot Ion: 98 Resp: 235374
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#60
Dibromochloromethane
Concen: 4.13 ug/l
RT: 9.35 min Scan# 1437
Delta R.T. -0.24 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

Tgt Ion:129 Resp: 23
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.6#





#62

4-Bromofluorobenzene

Concen: 42.02 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000507.D

Acq: 29 Mar 2018 12:17

Instrument :

MSVOA_X

ClientSampled :

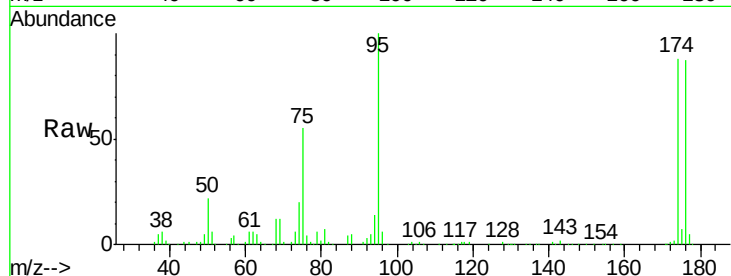
Tot Ion: 95 Resp: 80806

Ion Ratio Lower Upper

95 100

174 90.4 0.0 173.6

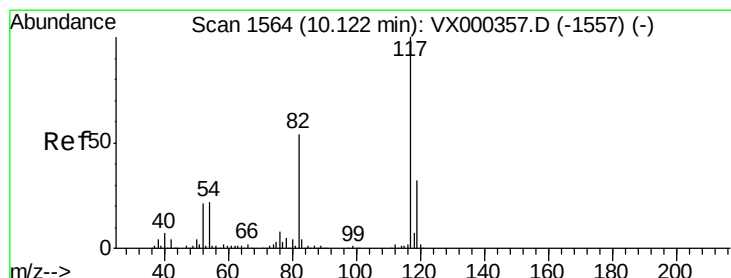
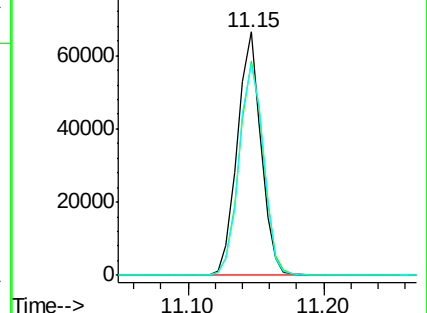
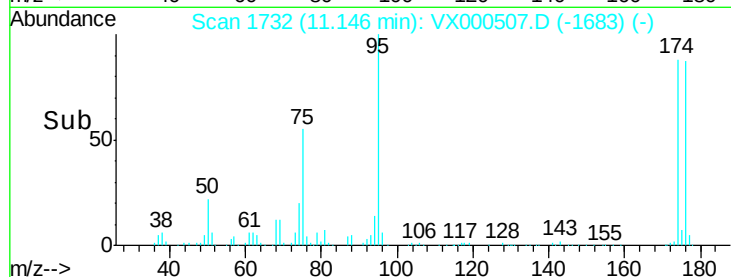
176 90.2 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000507.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000507.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000507.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000507.D

Acq: 29 Mar 2018 12:17

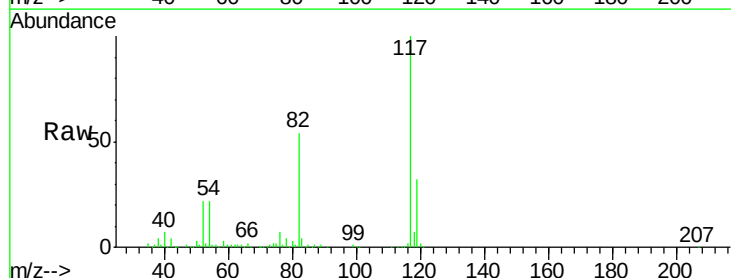
Tgt Ion: 117 Resp: 182969

Ion Ratio Lower Upper

117 100

82 54.0 43.8 65.8

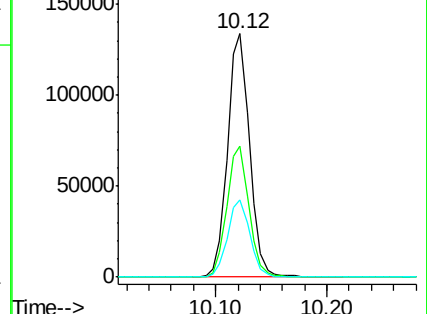
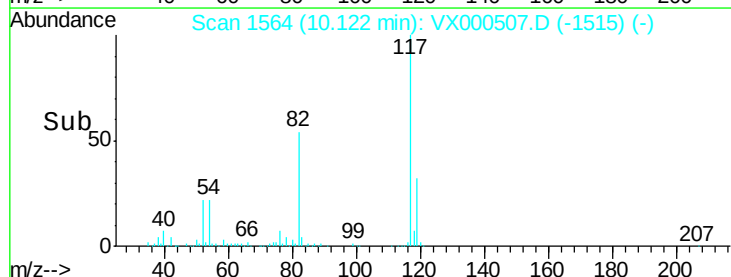
119 31.9 24.9 37.3

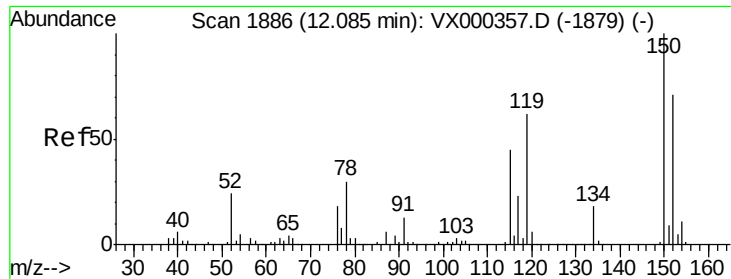


Abundance Ion 116.90 (116.60 to 117.60): VX000507.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000507.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000507.D (-1515) (-)



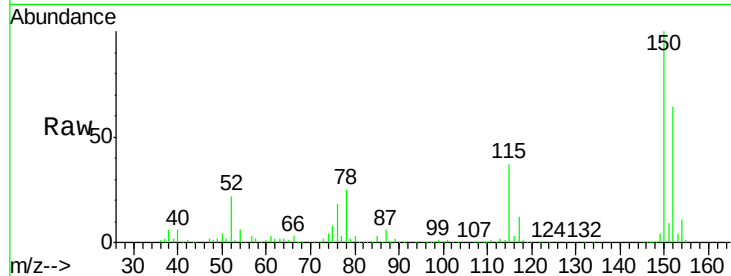


#72

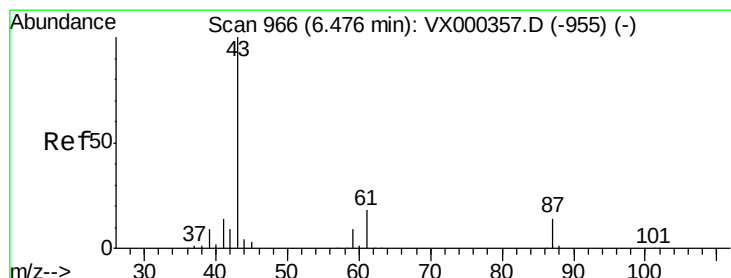
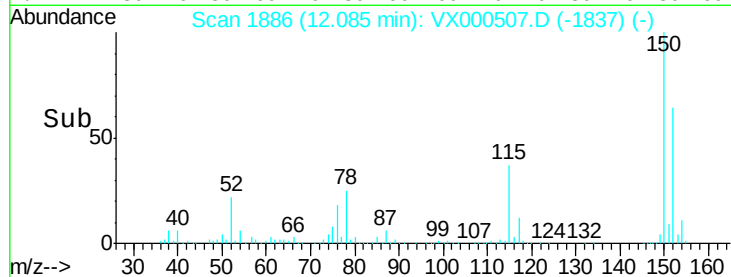
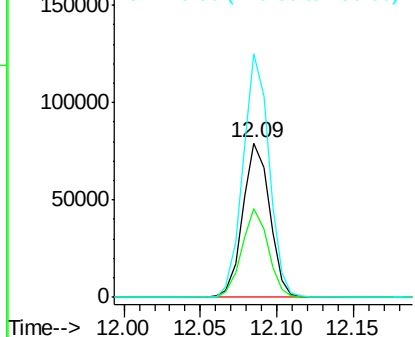
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 96355
Ion Ratio Lower Upper
152 100
115 56.4 39.8 119.3
150 152.9 0.0 344.4



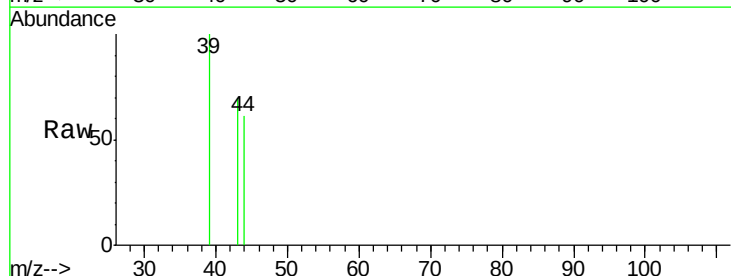
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



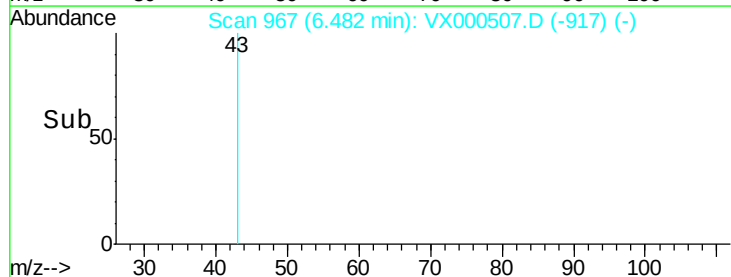
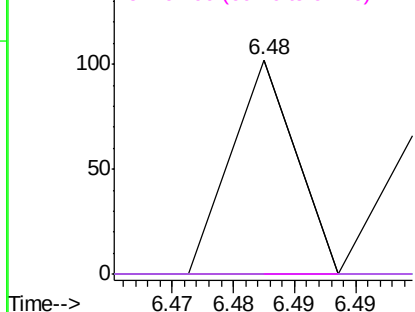
#74

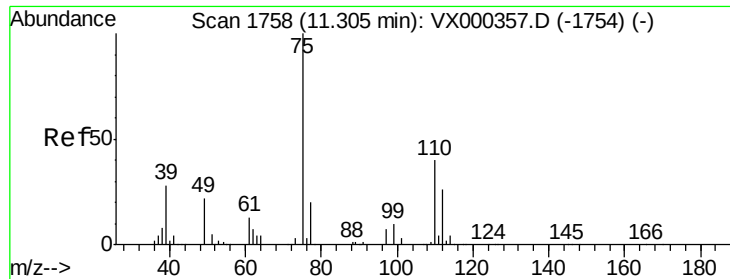
N-amyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000507.D
Acq: 29 Mar 2018 12:17

Tgt Ion: 43 Resp: 37
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 0.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

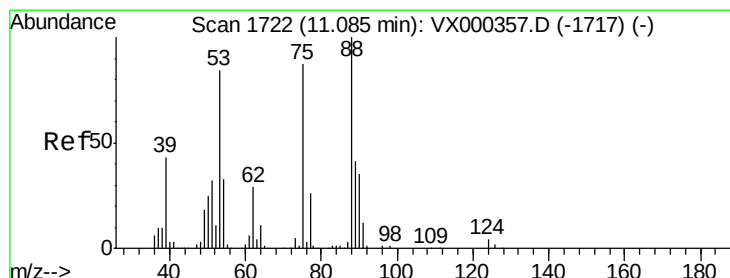
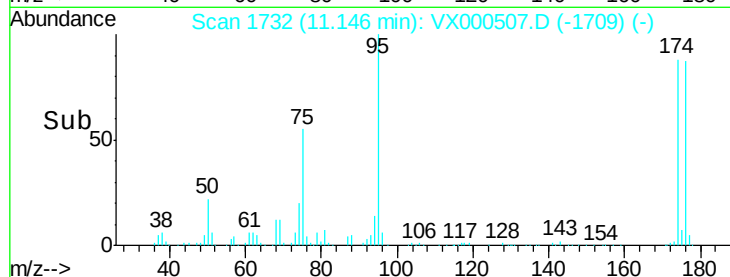
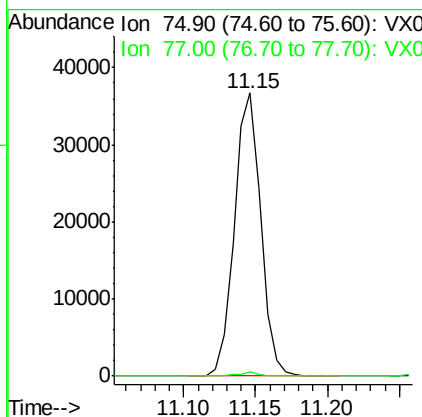
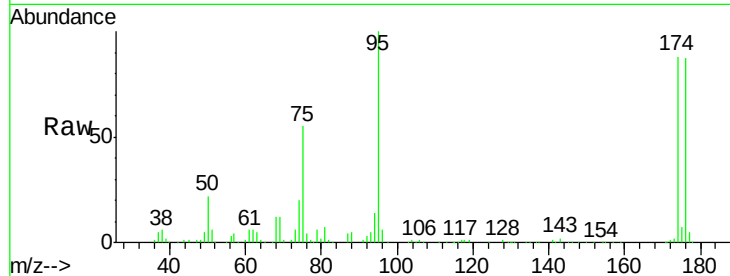




#76
 1,2,3-Trichloropropane
 Concen: 22.64 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000507.D
 Acq: 29 Mar 2018 12:17

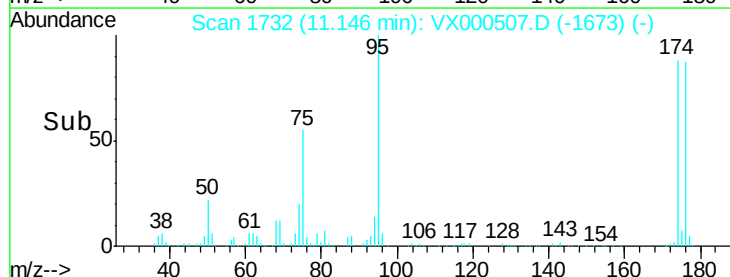
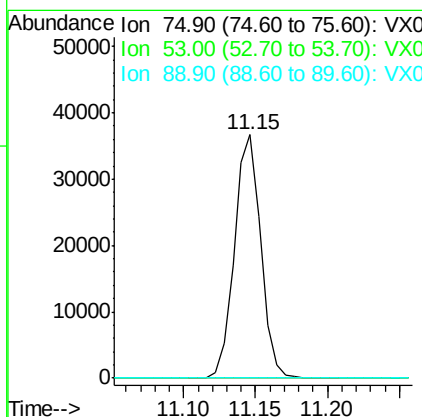
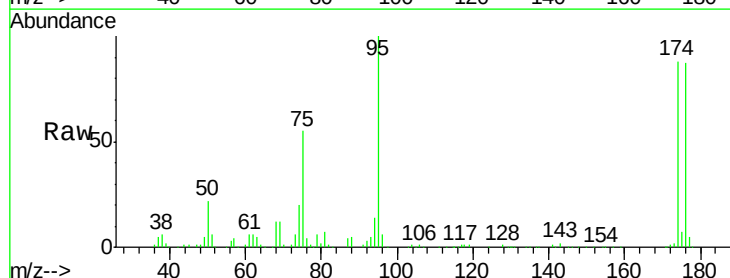
Instrument :
 MSVOA_X
 ClientSampled :

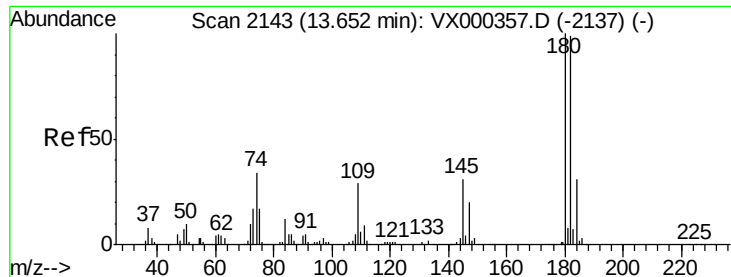
Tot Ion: 75 Resp: 46879
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.29 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000507.D
 Acq: 29 Mar 2018 12:17

Tgt Ion: 75 Resp: 46879
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

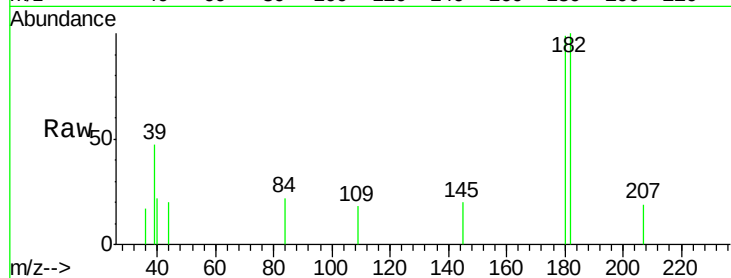




#93
 1,2,4-Trichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000507.D
 Acq: 29 Mar 2018 12:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.9
145	12.8	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

