

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000241.D
 Acq On : 09 Mar 2018 00:24
 Operator : JC/MD
 Sample : J1828-06 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 09 04:20:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	102237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	181867	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	177136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	90457	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	73771	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	5.51	113	53662	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	8.73	98	205918	43.52	ug/l	0.00
Spiked Amount			Recovery	=	87.04%	
62) 4-Bromofluorobenzene	11.15	95	72365	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	

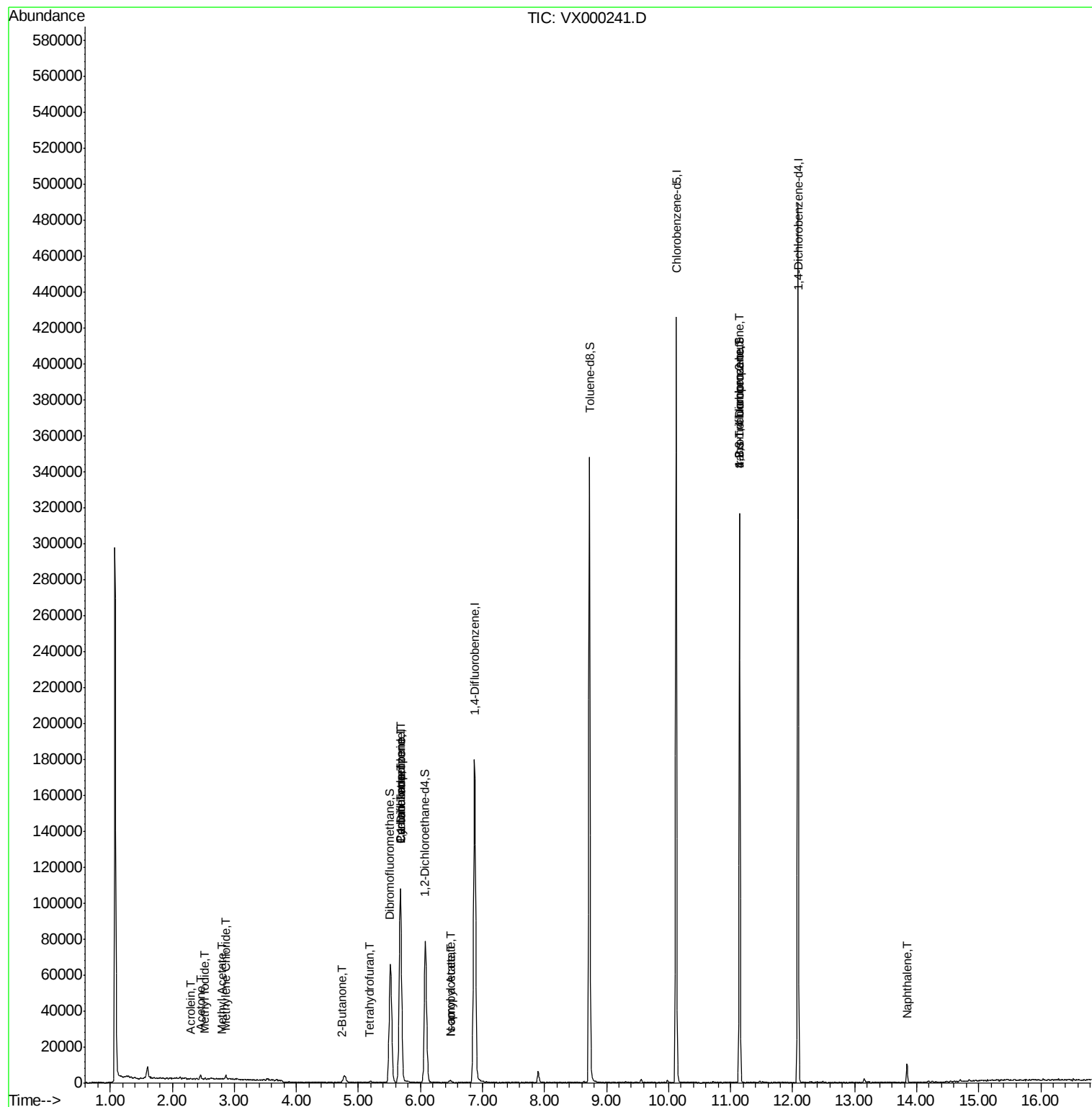
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	140	Below Cal	#	69
10) Methyl Iodide	2.53	142	98	3.22	ug/l #	59
13) Acrolein	2.30	56	59	0.22	ug/l #	53
16) Acetone	2.45	43	2509	2.47	ug/l #	86
18) Methyl Acetate	2.79	43	580	0.27	ug/l #	52
20) Methylene Chloride	2.87	84	611	0.50	ug/l #	83
25) 2-Butanone	4.73	43	291	0.23	ug/l #	50
29) Tetrahydrofuran	5.18	42	222	0.28	ug/l #	41
31) Cyclohexane	5.67	56	2485	1.60	ug/l #	22
36) 1,1-Dichloropropene	5.68	75	8277	5.11	ug/l #	49
38) Carbon Tetrachloride	5.68	117	10399	6.35	ug/l #	16
43) Isopropyl Acetate	6.48	43	1278	0.38	ug/l #	81
74) N-amyl acetate	6.48	43	1278	0.44	ug/l #	92
76) 1,2,3-Trichloropropane	11.15	75	42665	23.53	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	42665	72.05	ug/l #	10
95) Naphthalene	13.84	128	5968	0.85	ug/l	99

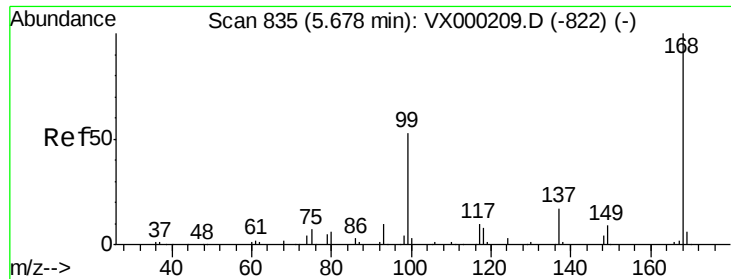
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

Instrument :

MSVOA_X

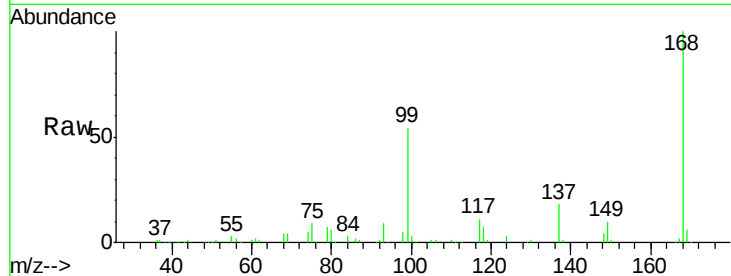
ClientSampleId :

Tot Ion:168 Resp: 102237

Ion Ratio Lower Upper

168 100

99 53.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

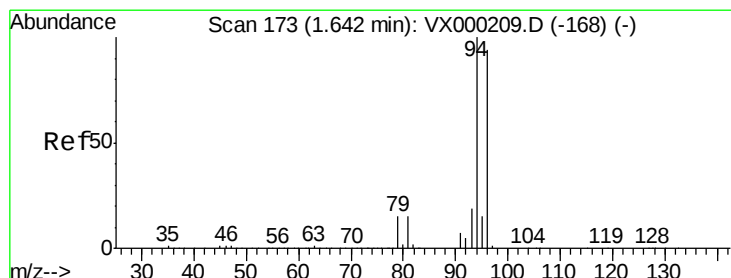
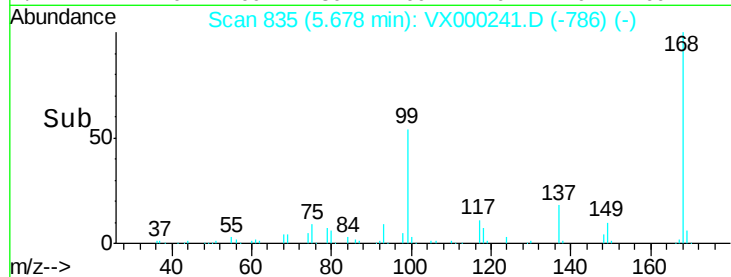
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000241.D

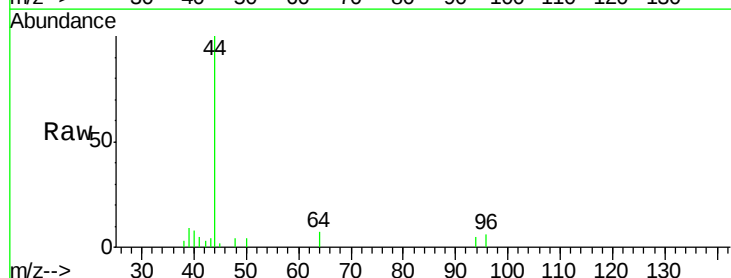
Acq: 09 Mar 2018 00:24

Tgt Ion: 94 Resp: 140

Ion Ratio Lower Upper

94 100

96 124.3 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

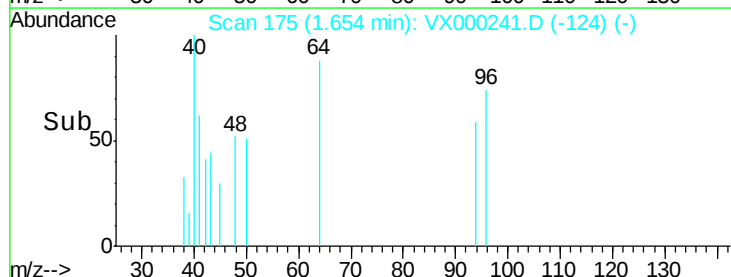
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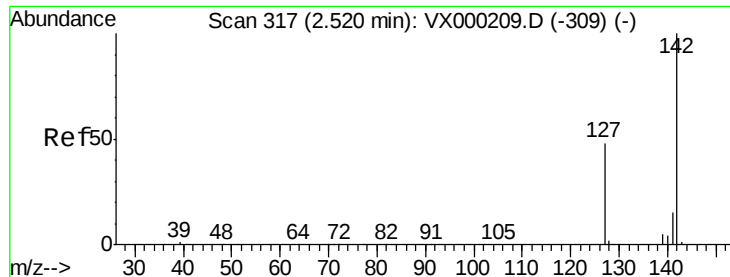
100

50

0

Time-->

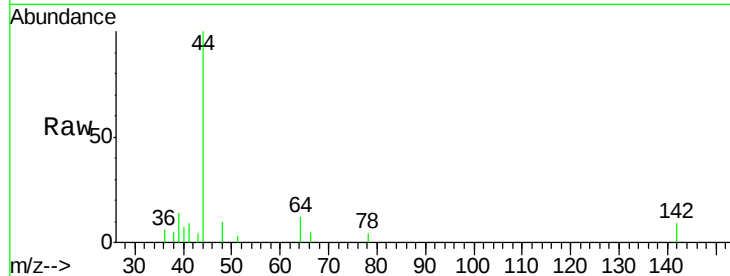




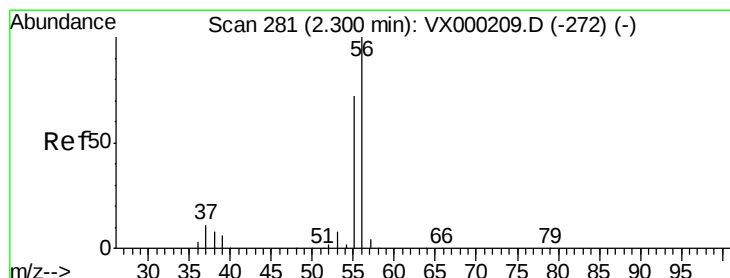
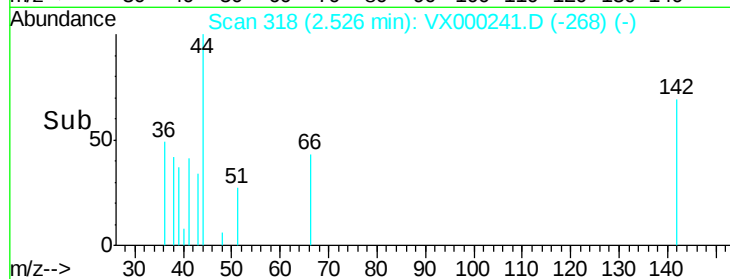
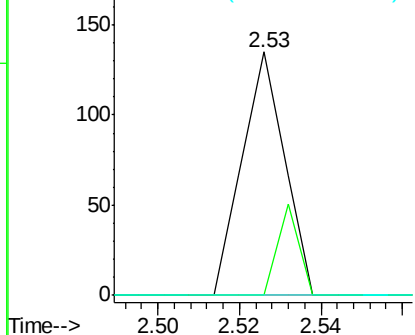
#10
Methyl Iodide
Concen: 3.22 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 98
Ion Ratio Lower Upper
142 100
127 19.4 39.0 58.6#
141 0.0 11.6 17.4#

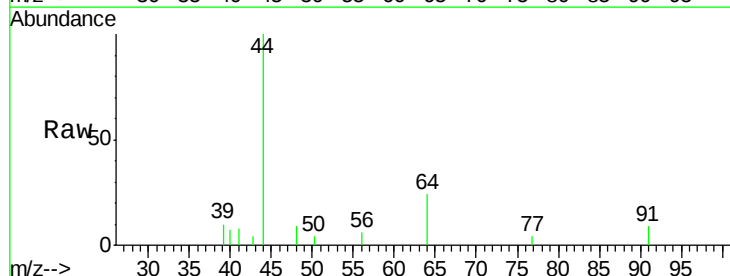


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

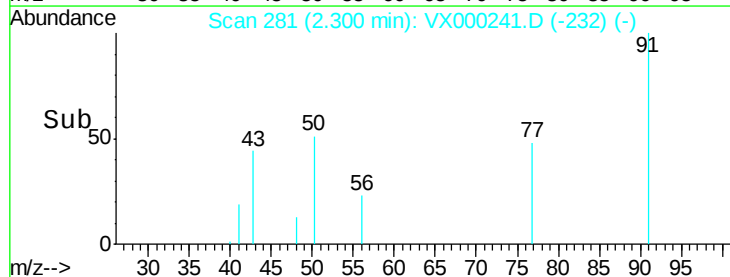
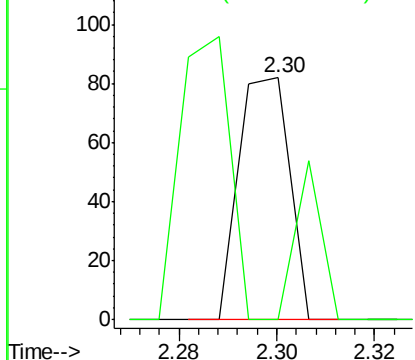


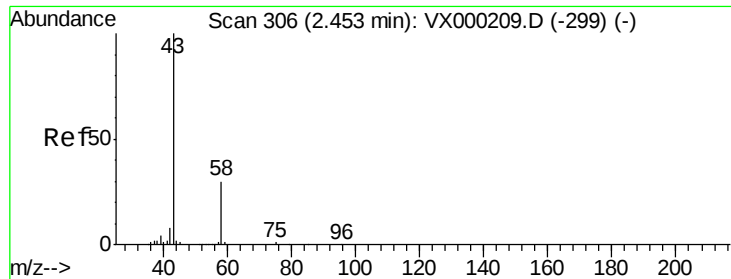
#13
Acrolein
Concen: 0.22 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 33.9 59.2 88.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.47 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

Instrument :

MSVOA_X

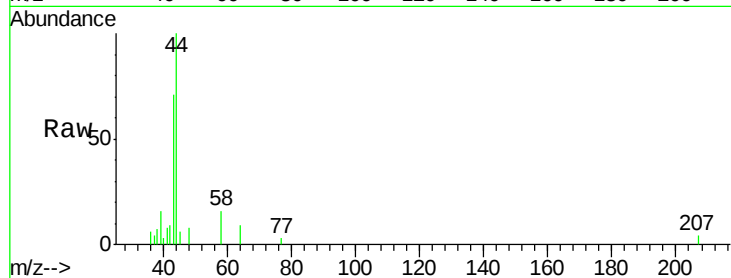
ClientSampled :

Tot Ion: 43 Resp: 2509

Ion Ratio Lower Upper

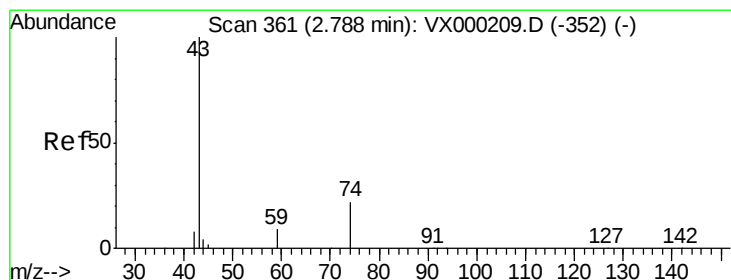
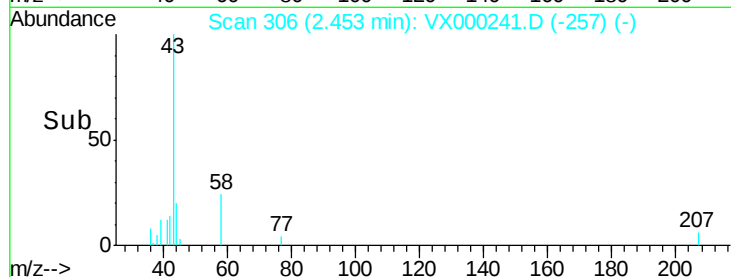
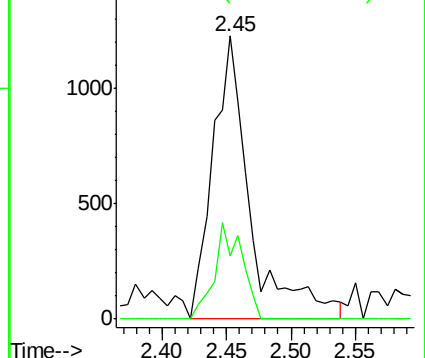
43 100

58 22.4 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.27 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000241.D

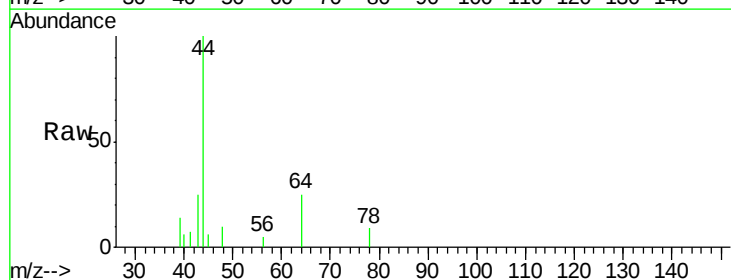
Acq: 09 Mar 2018 00:24

Tgt Ion: 43 Resp: 580

Ion Ratio Lower Upper

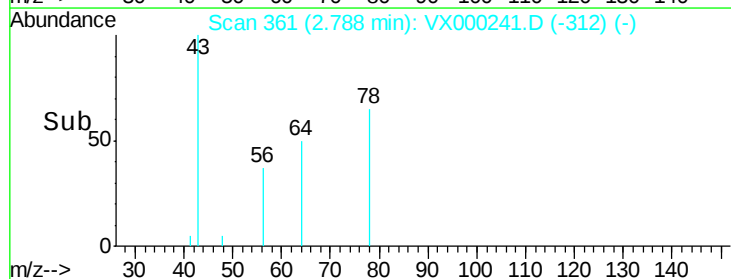
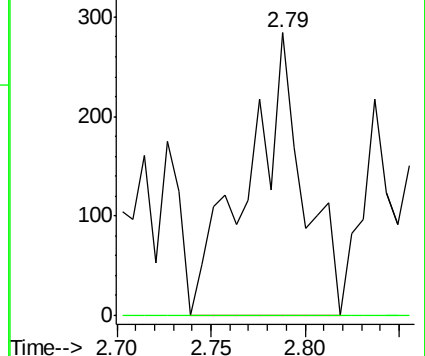
43 100

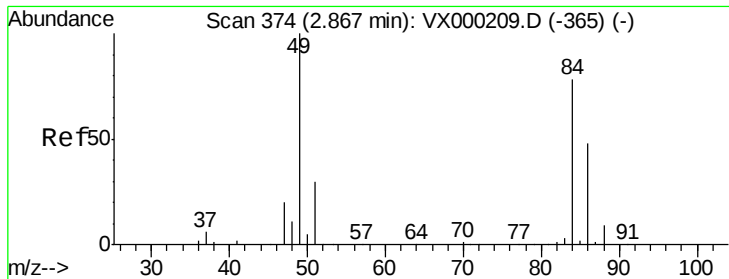
74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

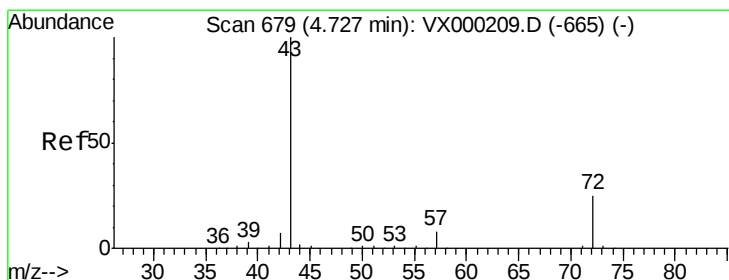
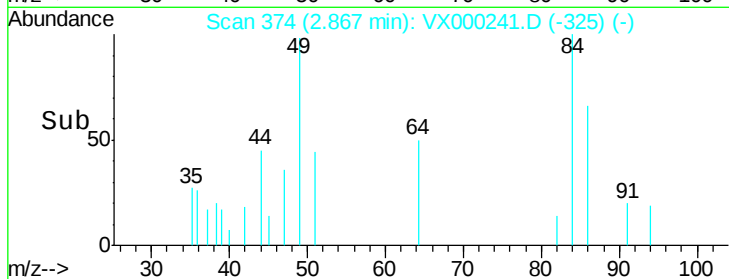
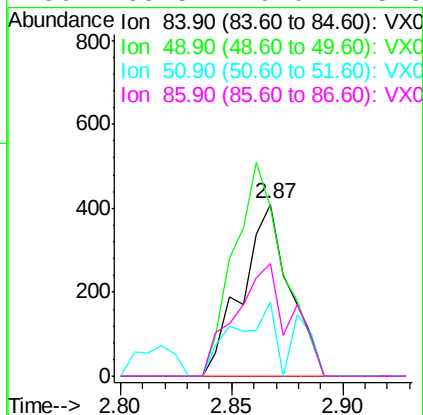
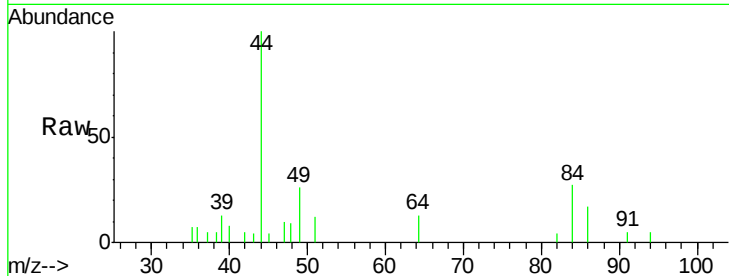




#20
Methvlene Chloride
Concen: 0.50 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

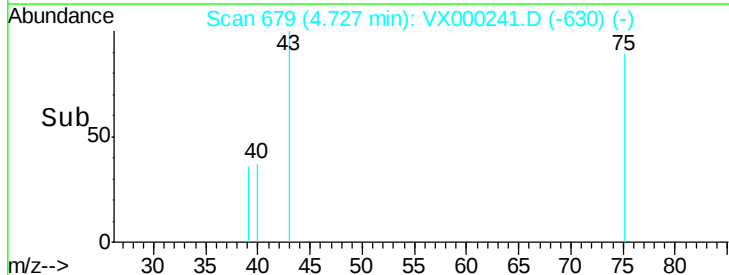
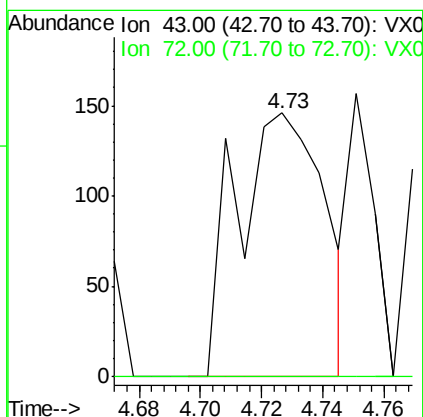
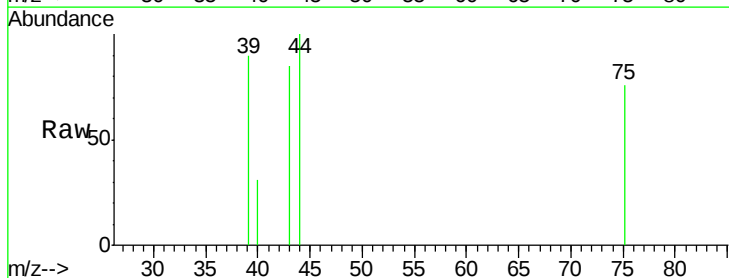
Instrument :
MSVOA_X
ClientSampleId :

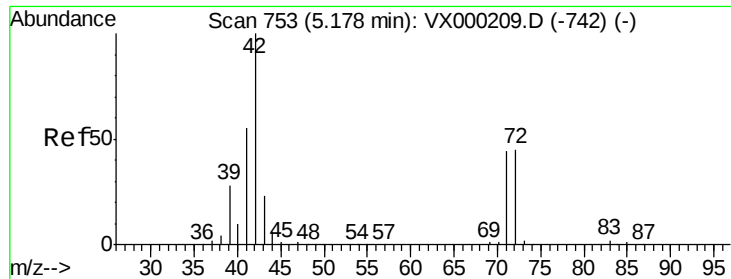
Tot Ion: 84 Resp: 611
Ion Ratio Lower Upper
84 100
49 98.3 102.1 153.1#
51 43.5 30.6 45.8
86 65.5 49.0 73.6



#25
2-Butanone
Concen: 0.23 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

Tgt Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#

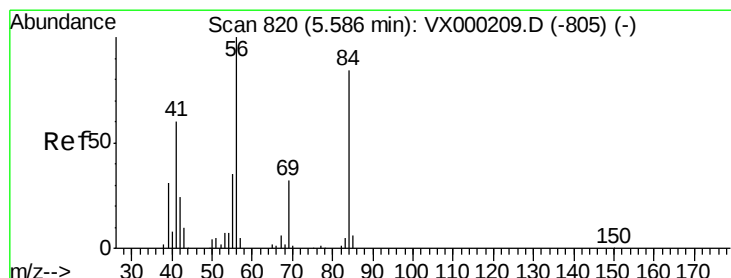
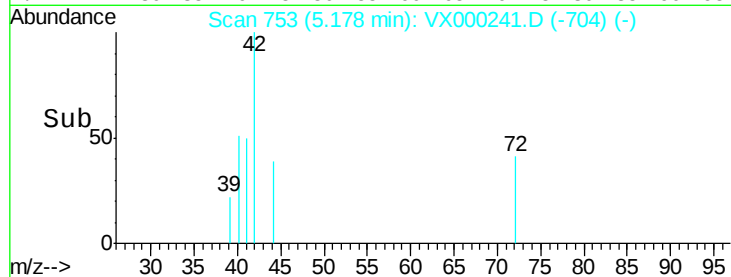
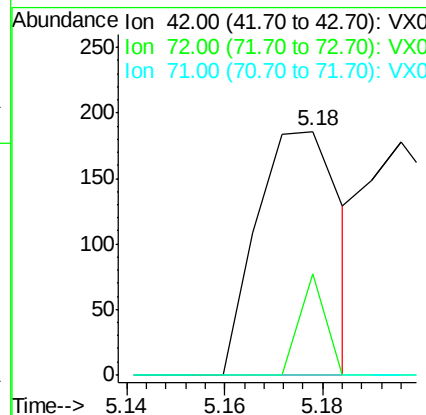
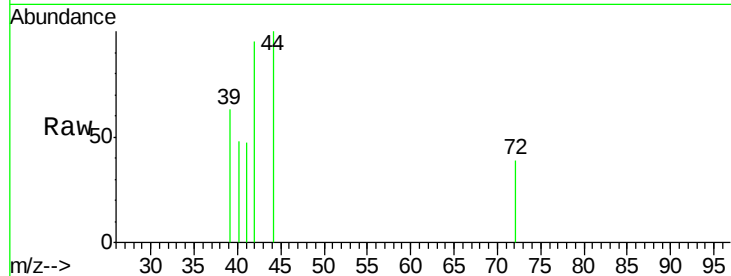




#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

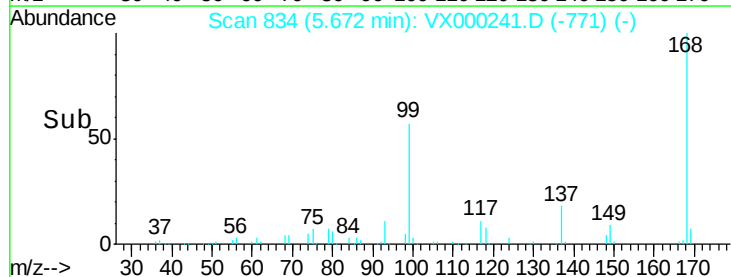
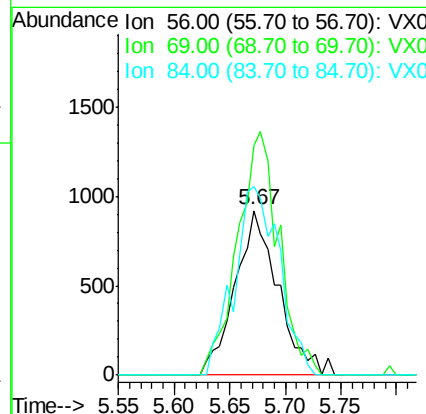
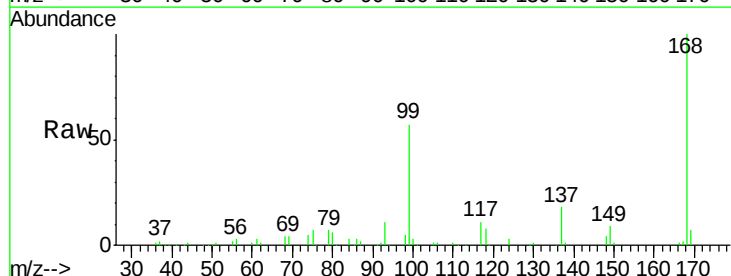
Instrument :
MSVOA_X
ClientSampleId :

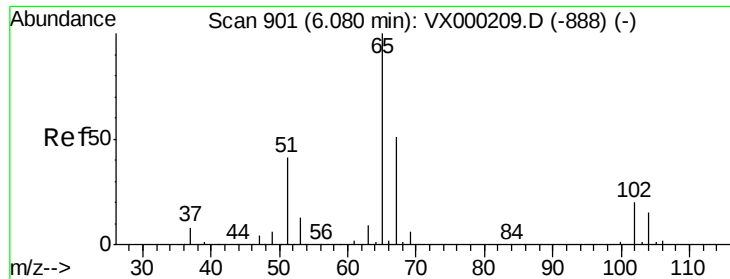
Tot Ion: 42 Resp: 222
Ion Ratio Lower Upper
42 100
72 12.6 37.3 55.9#
71 0.0 35.0 52.4#



#31
Cyclohexane
Concen: 1.60 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

Tgt Ion: 56 Resp: 2485
Ion Ratio Lower Upper
56 100
69 139.3 25.3 37.9#
84 114.5 67.2 100.8#

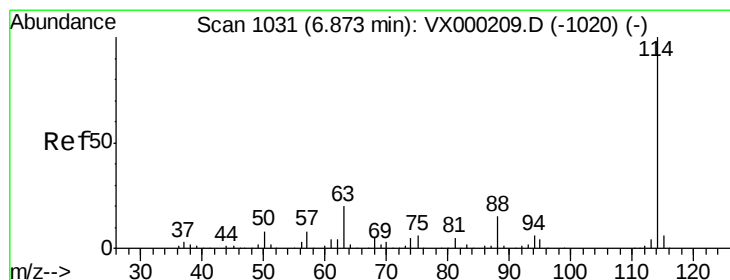
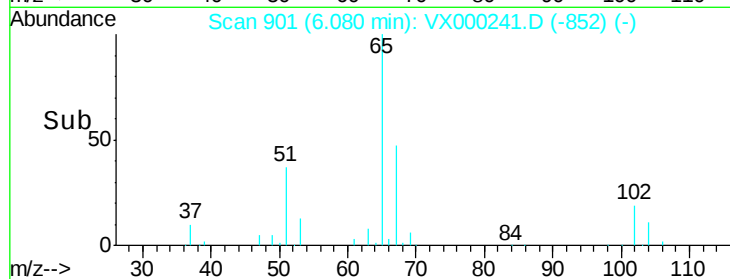
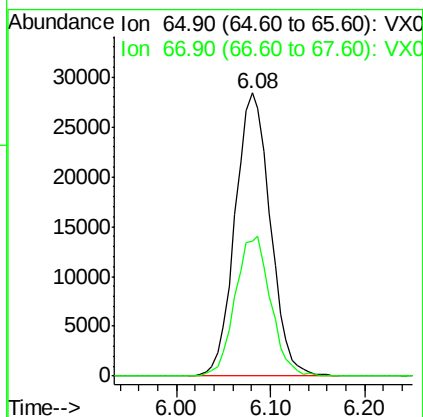
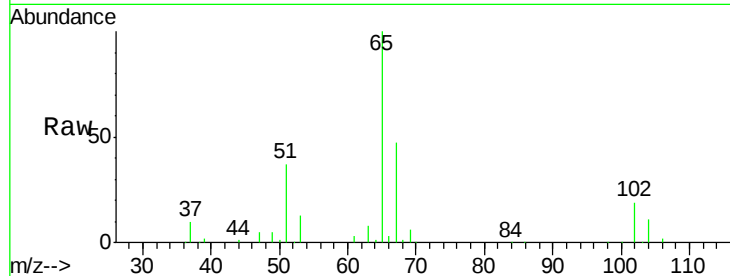




#33
 1,2-Dichloroethane-d4
 Concen: 52.05 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000241.D
 Acq: 09 Mar 2018 00:24

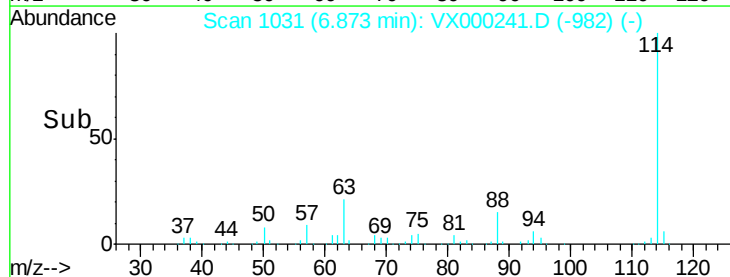
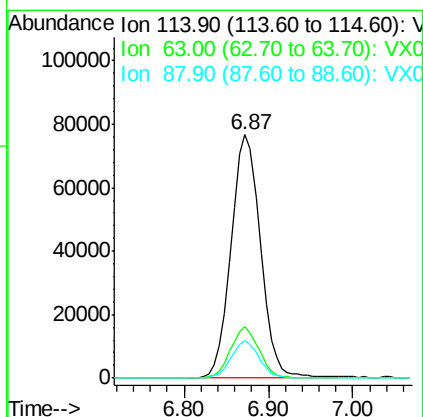
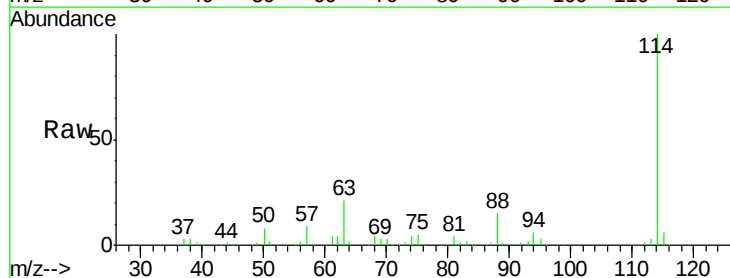
Instrument :
 MSVOA_X
 ClientSampleId :

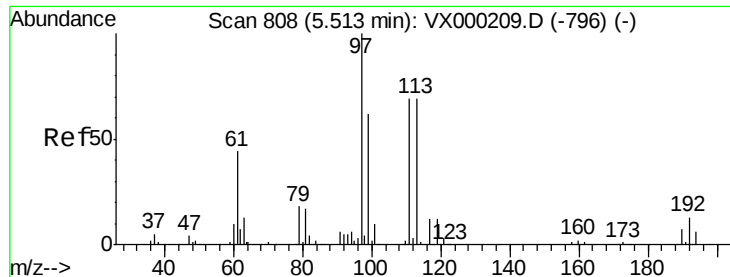
Tot Ion: 65 Resp: 73771
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000241.D
 Acq: 09 Mar 2018 00:24

Tgt Ion: 114 Resp: 181867
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.2
 88 15.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.97 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

Instrument :

MSVOA_X

ClientSampled :

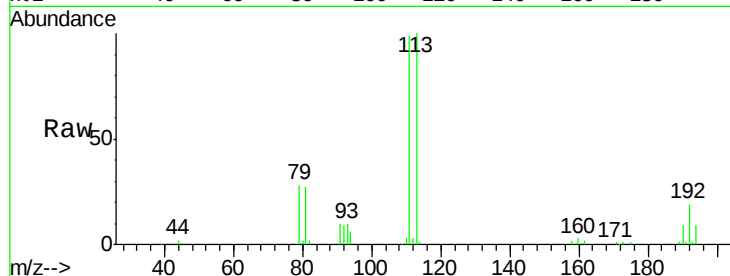
Tot Ion:113 Resp: 53662

Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.6

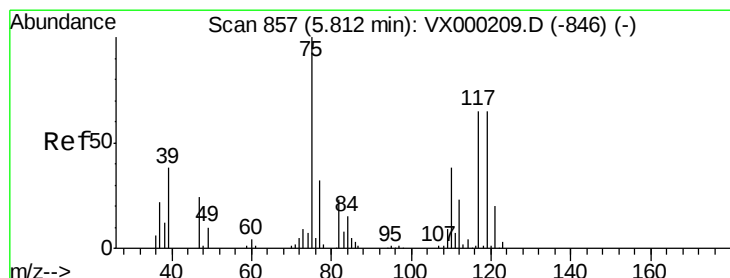
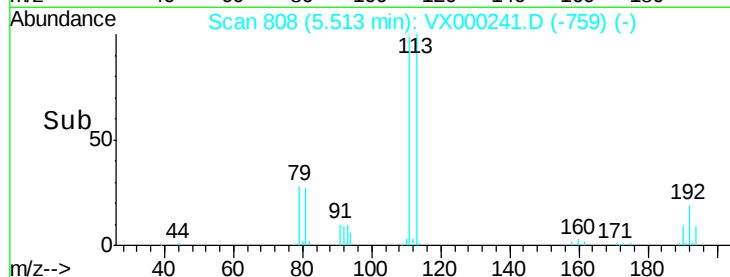
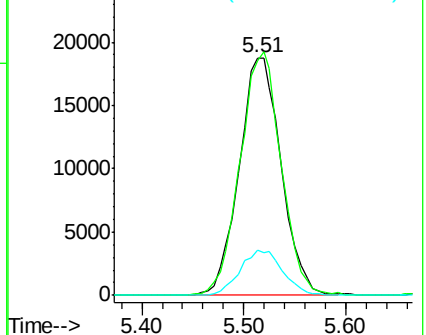
192 19.4 15.5 23.3



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: 5.11 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

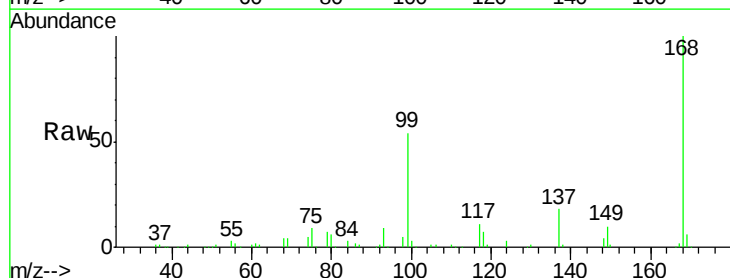
Tgt Ion: 75 Resp: 8277

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.5#

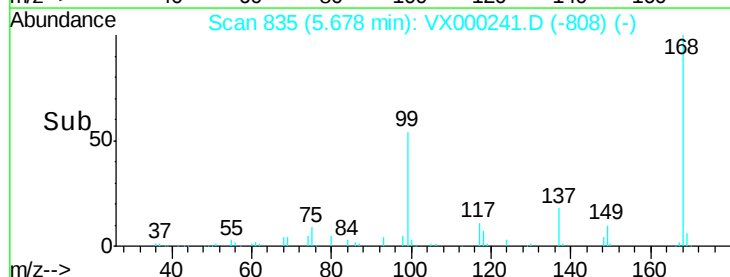
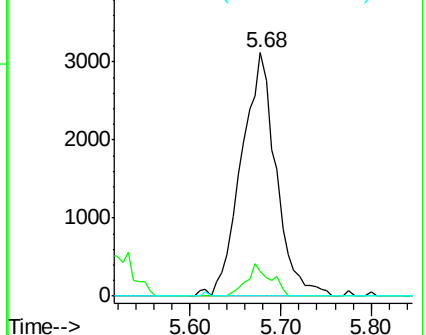
77 0.0 24.9 37.3#

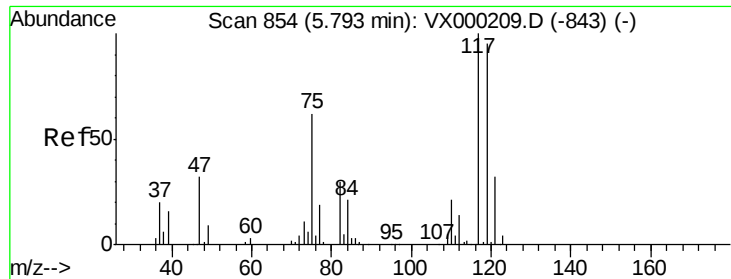


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.35 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

Instrument :

MSVOA_X

ClientSampled :

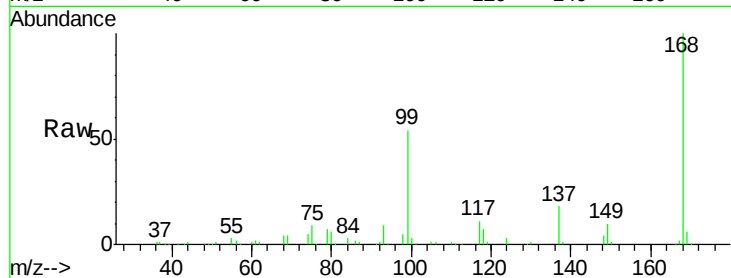
Tot Ion:117 Resp: 10399

Ion Ratio Lower Upper

117 100

119 5.0 75.9 113.9#

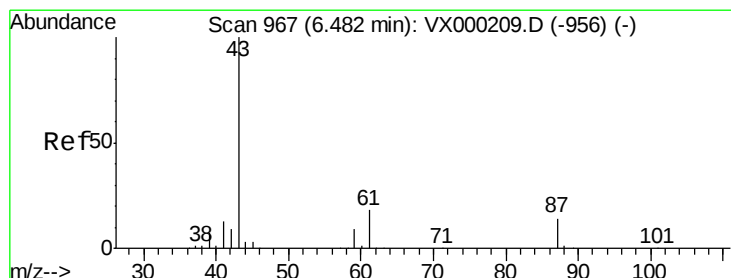
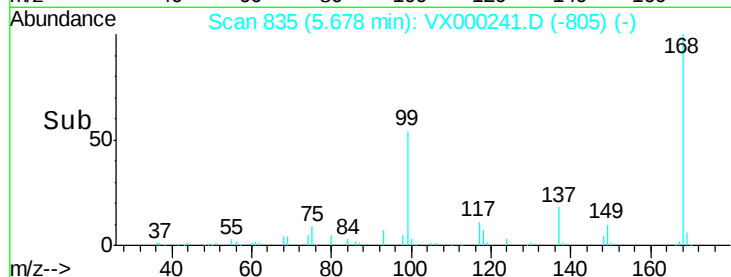
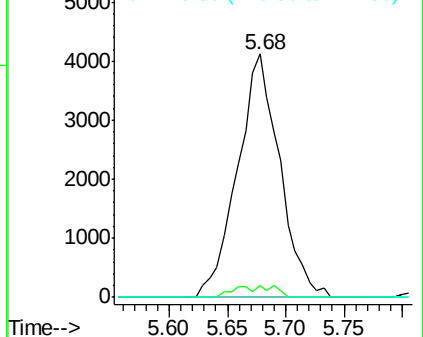
121 0.0 25.8 38.6#



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



#43

Isopropyl Acetate

Concen: 0.38 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

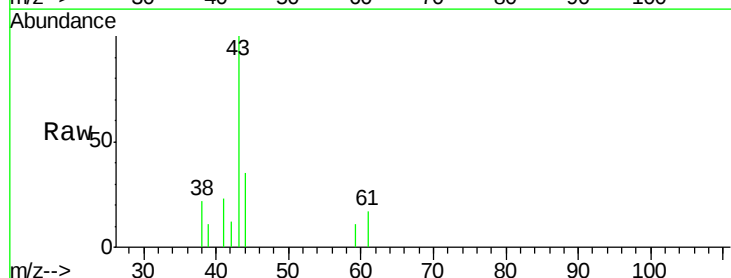
Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

61 22.1 14.8 22.2

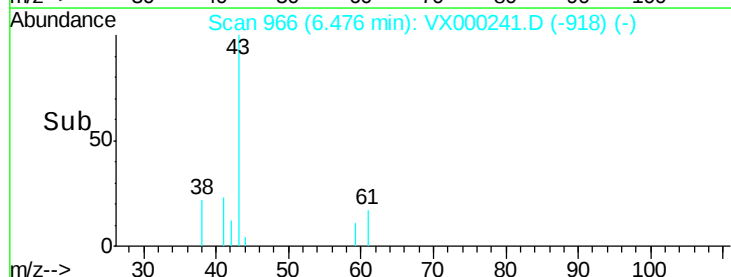
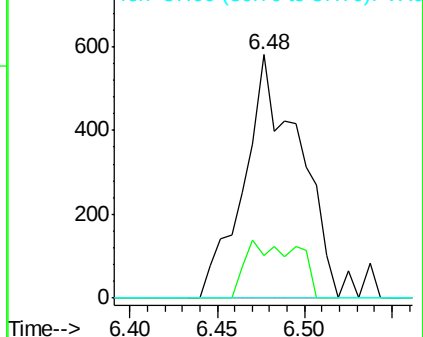
87 0.0 10.6 16.0#

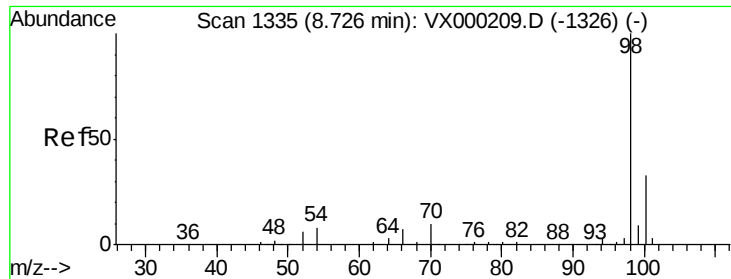


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

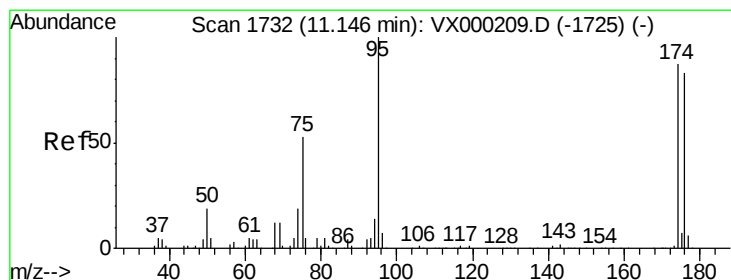
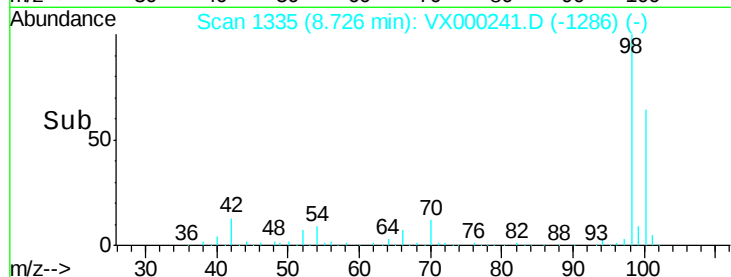
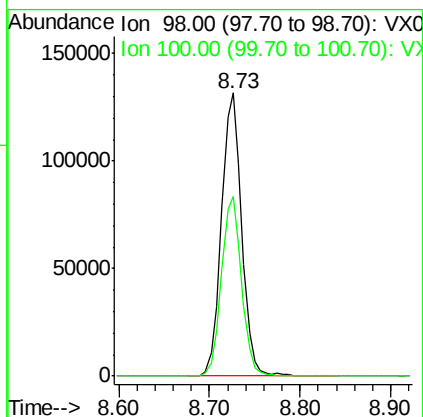
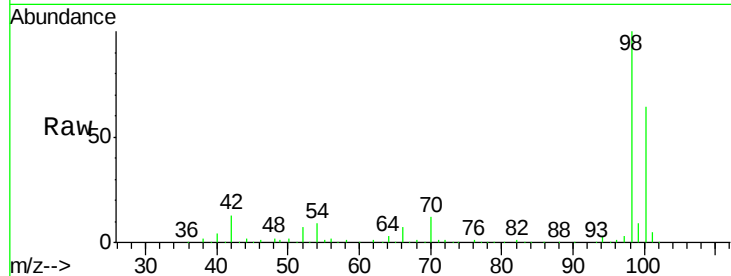




#50
Toluene-d8
Concen: 43.52 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

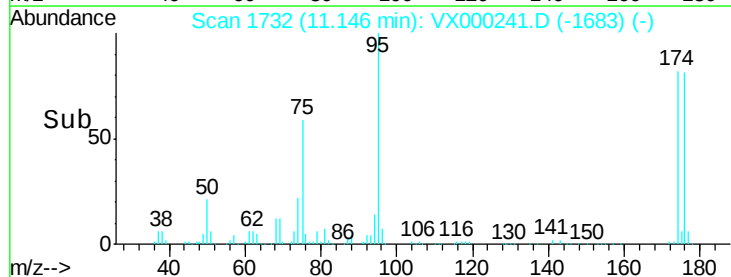
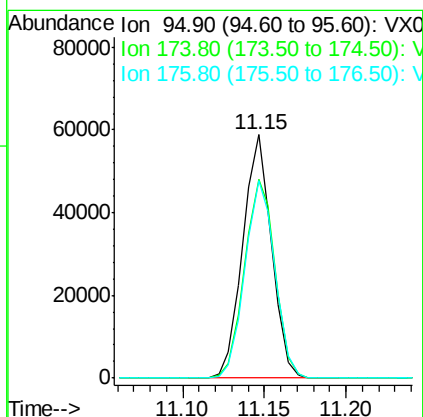
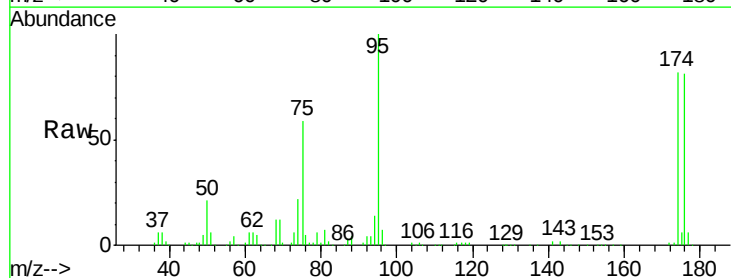
Instrument :
MSVOA_X
ClientSampled :

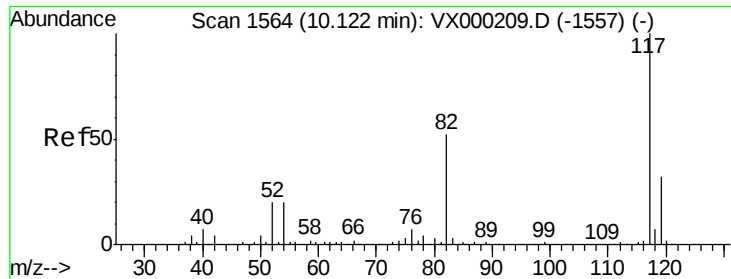
Tot Ion: 98 Resp: 205918
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 39.19 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

Tgt Ion: 95 Resp: 72365
Ion Ratio Lower Upper
95 100
174 86.4 0.0 175.6
176 84.3 0.0 171.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

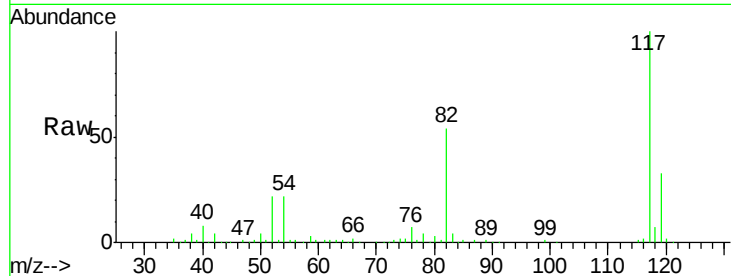
Tot Ion:117 Resp: 177136

Ion Ratio Lower Upper

117 100

82 54.0 42.0 63.0

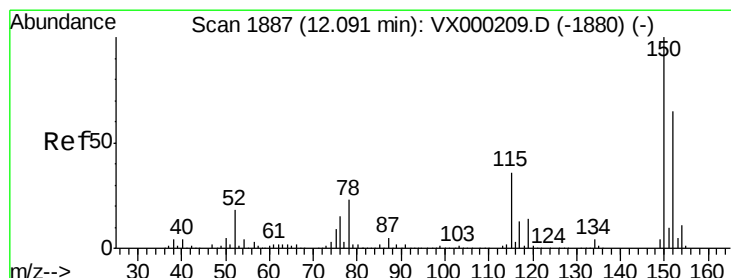
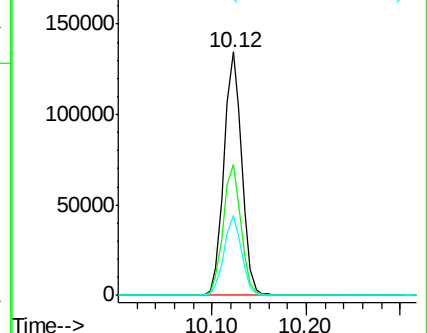
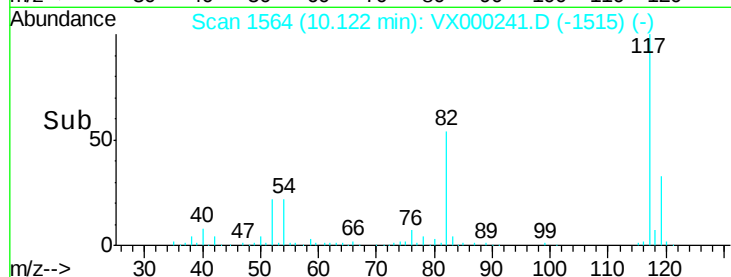
119 32.9 25.3 37.9



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. -0.01 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

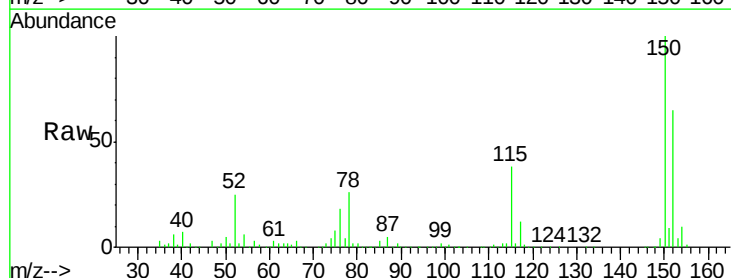
Tgt Ion:152 Resp: 90457

Ion Ratio Lower Upper

152 100

115 57.4 39.8 119.3

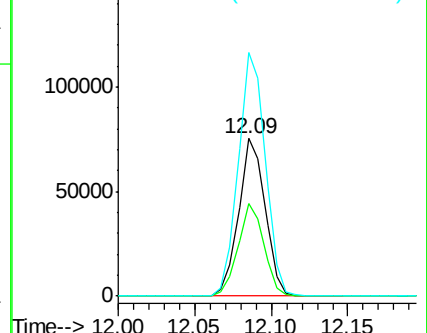
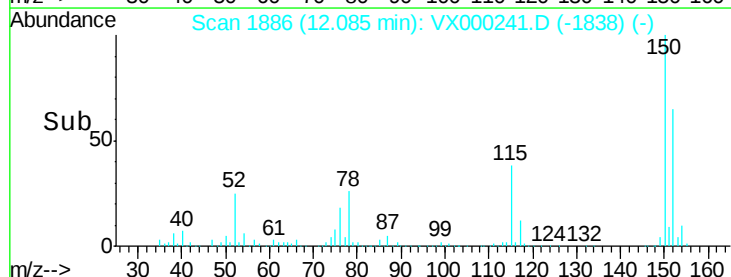
150 157.3 0.0 345.0

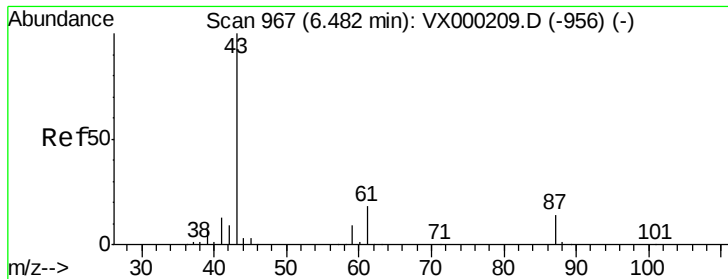


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.44 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000241.D

Acq: 09 Mar 2018 00:24

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1278

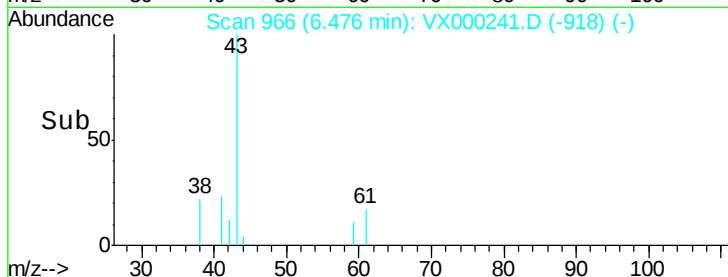
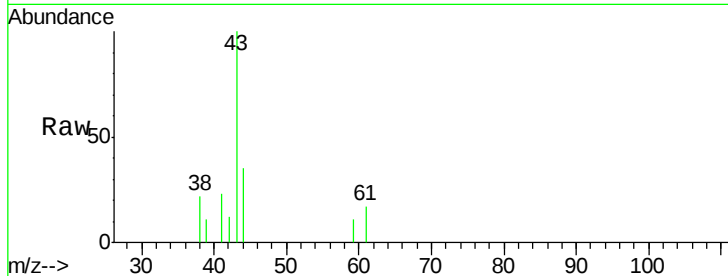
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 22.1 14.8 22.2

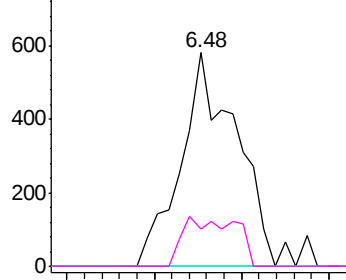


Abundance Ion 43.00 (42.70 to 43.70): VX0

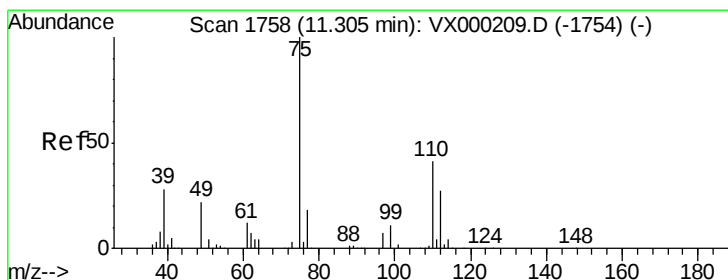
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000241.D

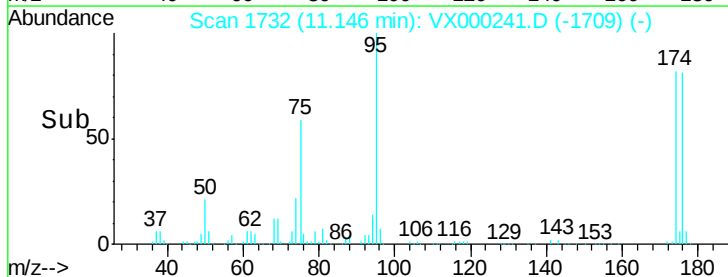
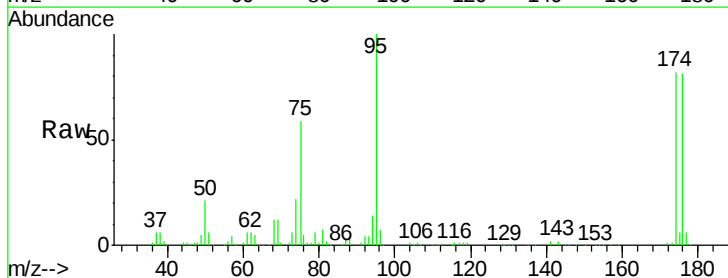
Acq: 09 Mar 2018 00:24

Tgt Ion: 75 Resp: 42665

Ion Ratio Lower Upper

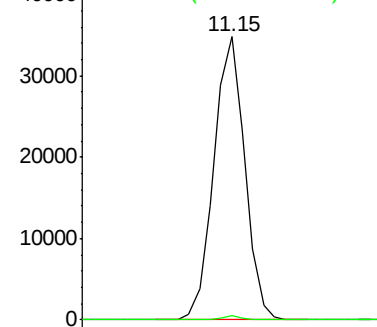
75 100

77 1.1 22.3 66.8#

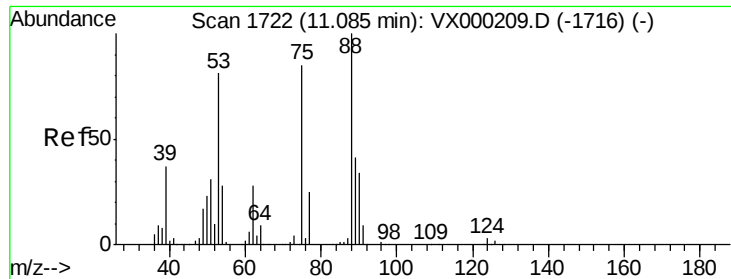


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



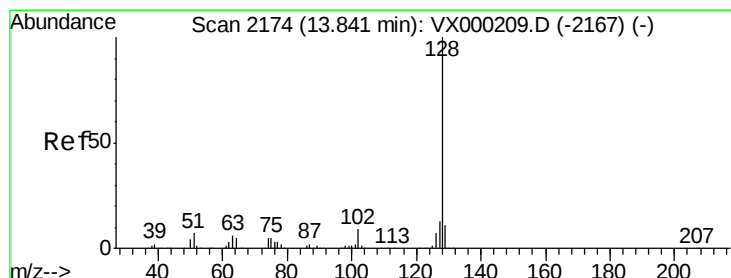
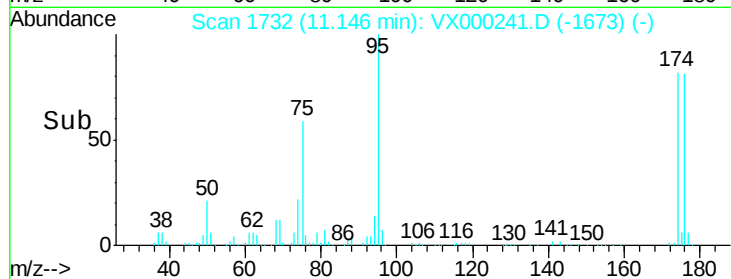
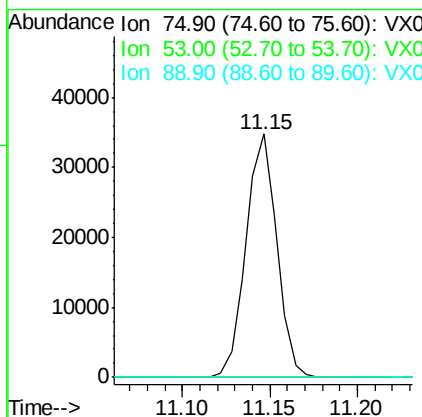
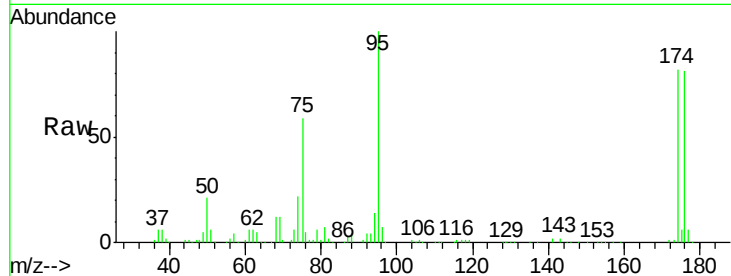
Time-->



#81
trans-1,4-Dichloro-2-butene
Concen: 72.05 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 42665
Ion Ratio Lower Upper
75 100
53 0.0 78.6 118.0#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 0.85 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000241.D
Acq: 09 Mar 2018 00:24

Tgt Ion: 128 Resp: 5968
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.5 8.6 13.0

