

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001837.D
 Acq On : 18 May 2018 20:14
 Operator : JC/MD
 Sample : J2986-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:27:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	445081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	192513	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	237443	56.41	ug/l	0.00
Spiked Amount			Recovery	=	112.82%	
35) Dibromofluoromethane	5.51	113	202590	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	8.72	98	735467	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
62) 4-Bromofluorobenzene	11.14	95	210057	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	

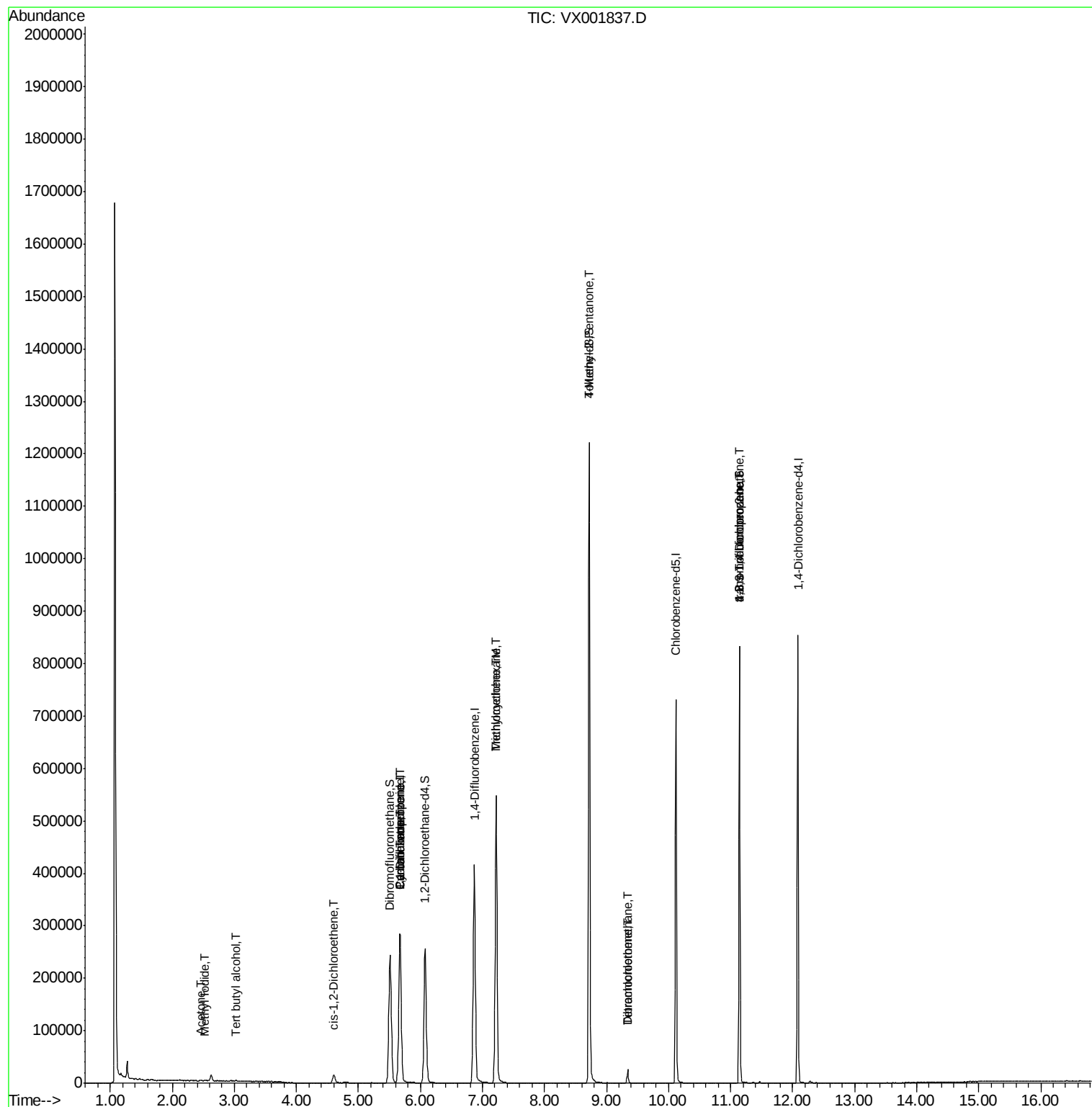
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	934	Below Cal		83
10) Methyl Iodide	2.52	142	650	0.22	ug/l #	93
11) Tert butyl alcohol	3.03	59	994	1.33	ug/l #	72
16) Acetone	2.45	43	1338	0.81	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	10194	2.62	ug/l	97
31) Cyclohexane	5.67	56	4551	0.86	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18206	3.55	ug/l #	48
38) Carbon Tetrachloride	5.67	117	25454	4.74	ug/l #	17
39) Methylcyclohexane	7.22	83	2574	0.43	ug/l #	1
44) Trichloroethene	7.22	130	231941	49.50	ug/l	96
51) 4-Methyl-2-Pentanone	8.72	43	2962	0.56	ug/l #	1
60) Dibromochloromethane	9.34	129	4783	1.26	ug/l #	11
64) Tetrachloroethene	9.34	164	5537	1.20	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	99011	27.05	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	99011	78.58	ug/l #	10

(#) = 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: VX001837.D

Acq: 18 May 2018 20:14

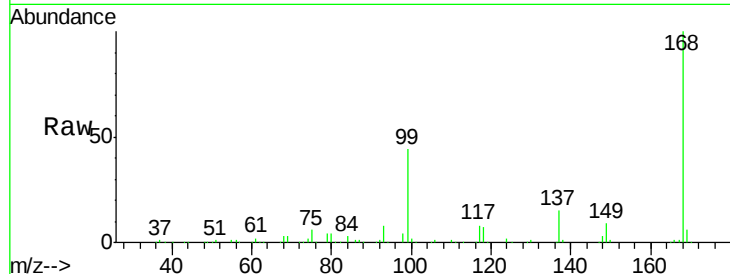
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 314009

Ion Ratio Lower Upper

168 100

99 44.1 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

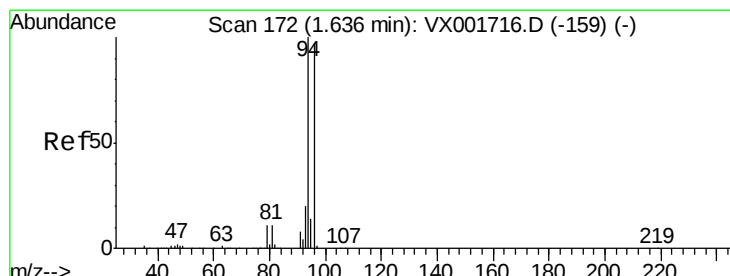
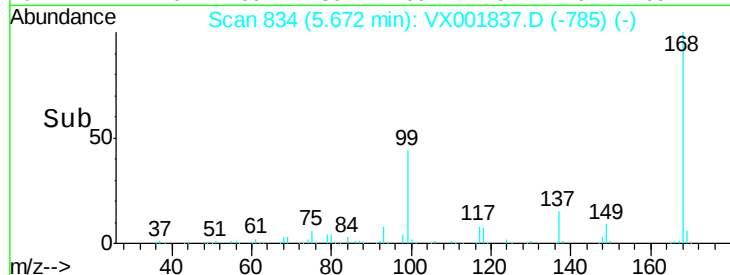
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001837.D

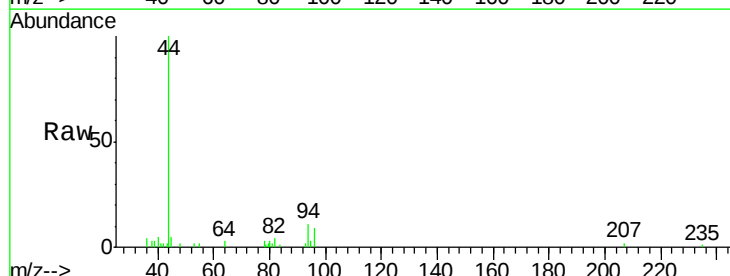
Acq: 18 May 2018 20:14

Tgt Ion: 94 Resp: 934

Ion Ratio Lower Upper

94 100

96 80.0 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

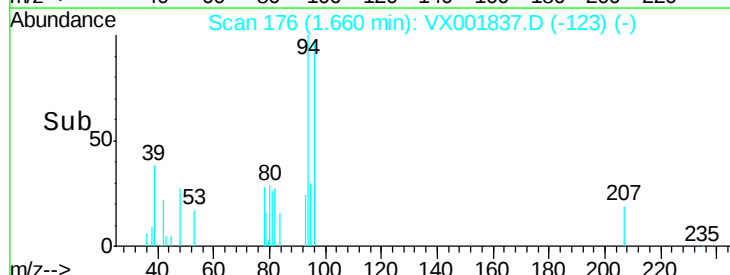
300

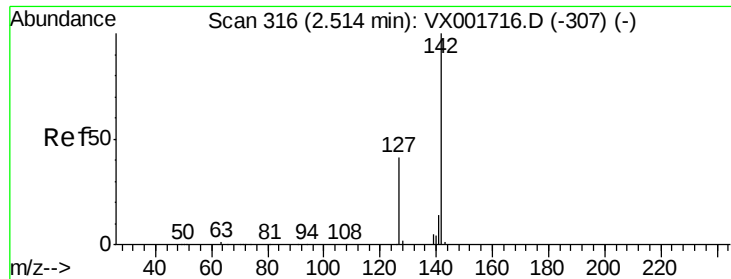
200

100

0

Time--> 1.60 1.65 1.70 1.75

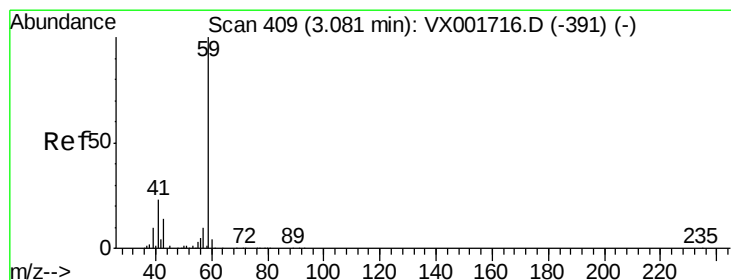
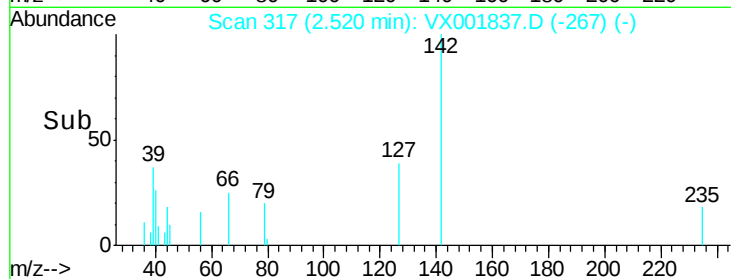
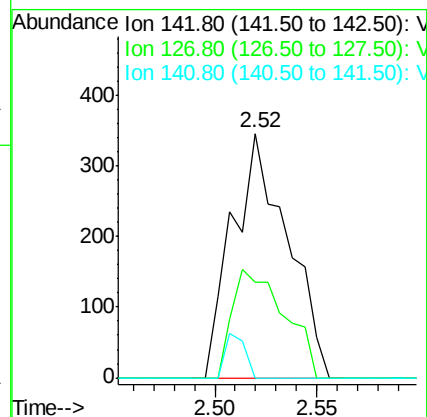
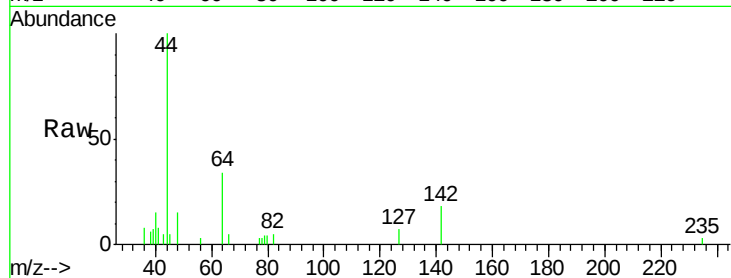




#10
Methyl Iodide
Concen: 0.22 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

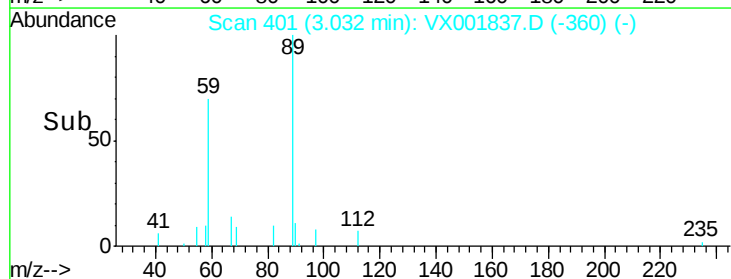
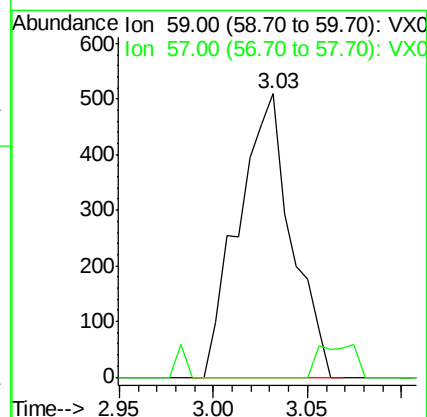
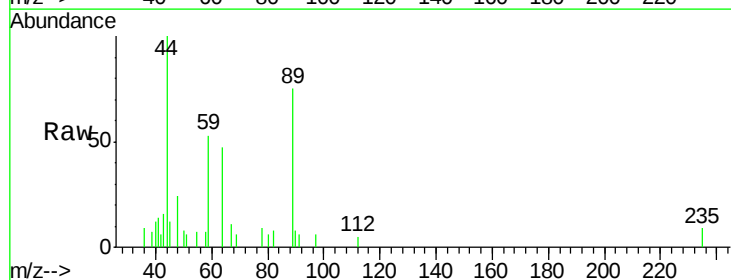
Instrument :
MSVOA_X
ClientSampleId :

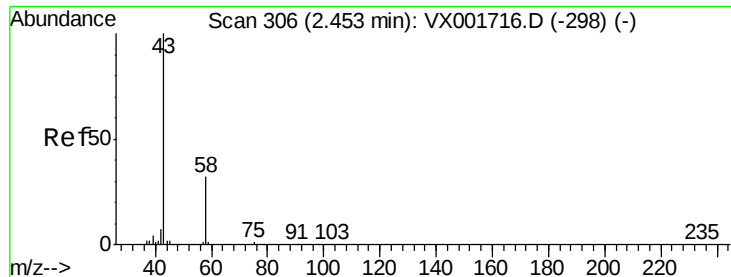
Tot Ion:142 Resp: 650
Ion Ratio Lower Upper
142 100
127 42.0 32.5 48.7
141 6.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.33 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

Tgt Ion: 59 Resp: 994
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 0.81 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001837.D

Acq: 18 May 2018 20:14

Instrument :

MSVOA_X

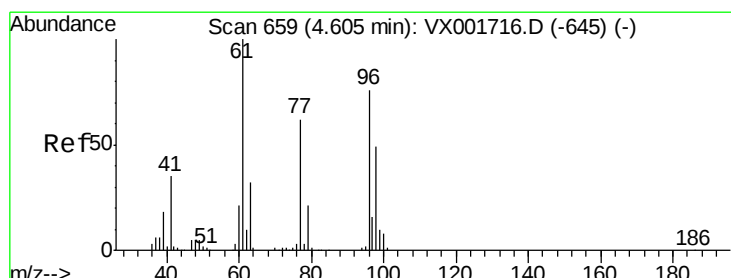
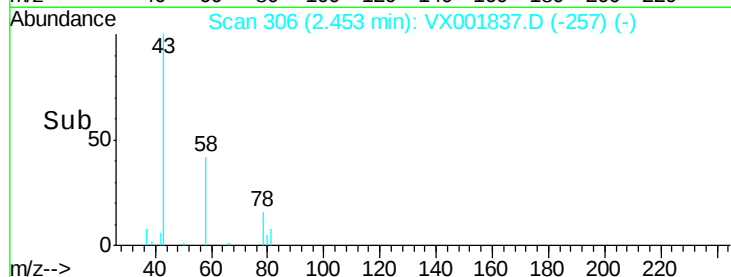
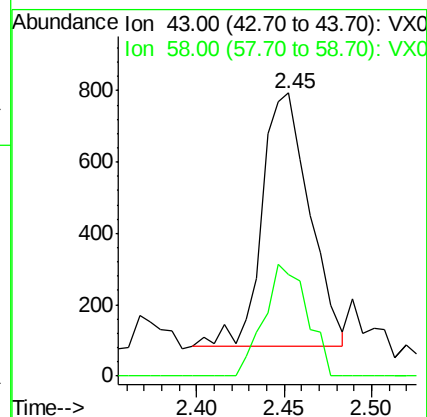
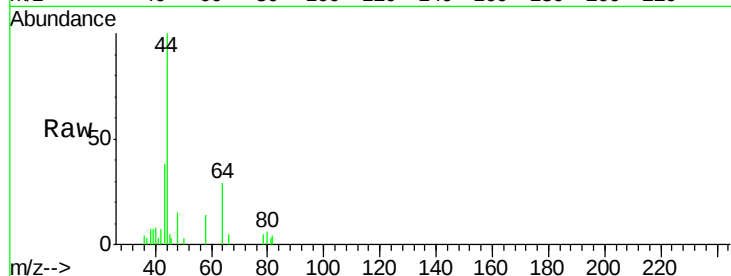
ClientSampleId :

Tot Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

58 39.9 25.3 37.9#



#27

cis-1,2-Dichloroethene

Concen: 2.62 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001837.D

Acq: 18 May 2018 20:14

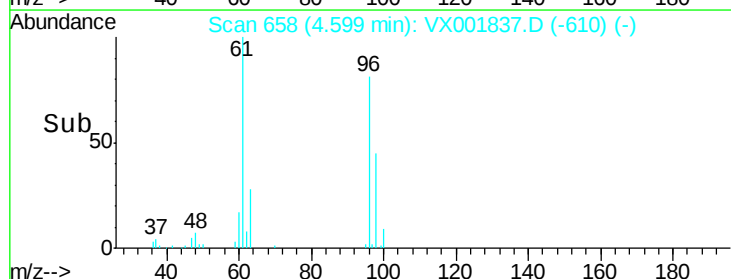
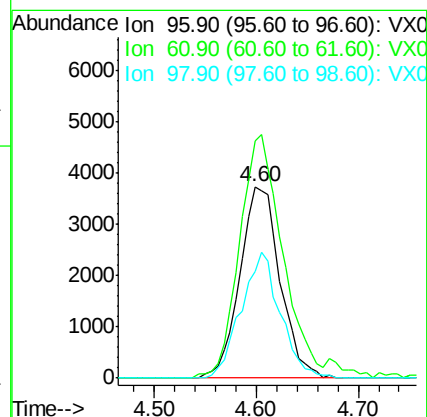
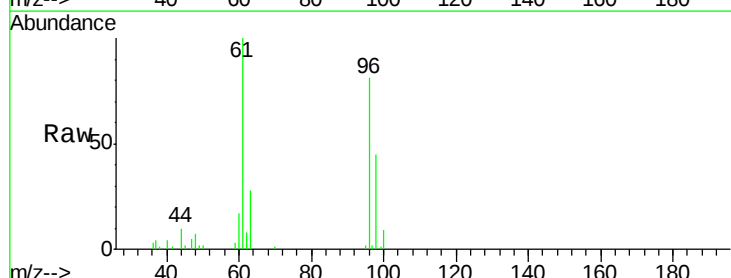
Tgt Ion: 96 Resp: 10194

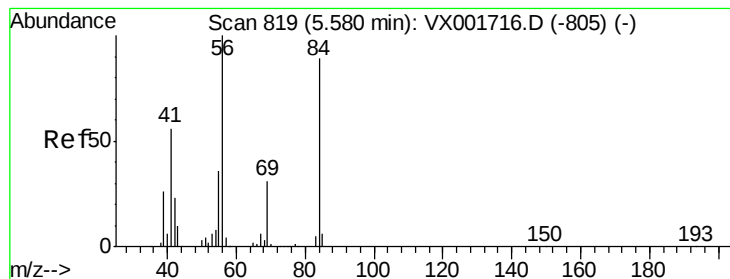
Ion Ratio Lower Upper

96 100

61 135.4 0.0 280.4

98 64.1 0.0 128.4





#31

Cyclohexane

Concen: 0.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001837.D

Acq: 18 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :

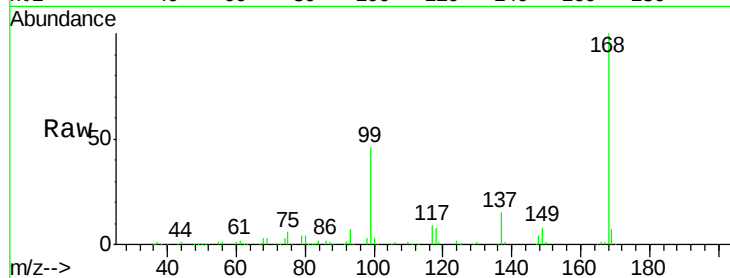
Tot Ion: 56 Resp: 4551

Ion Ratio Lower Upper

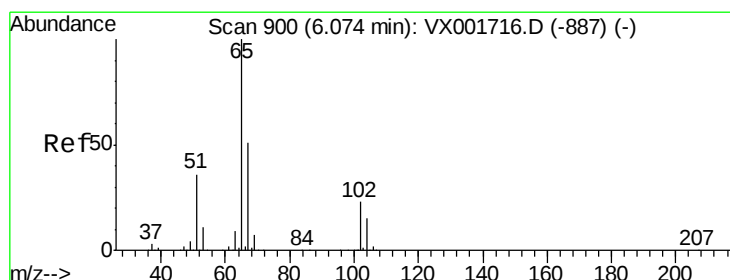
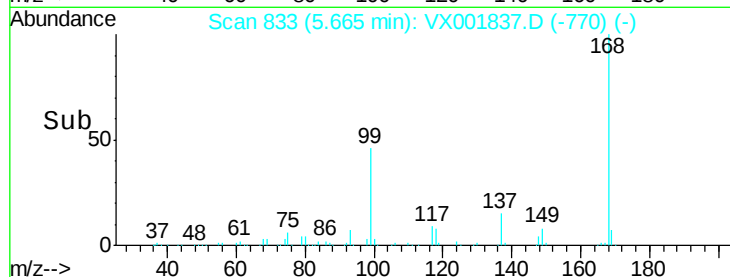
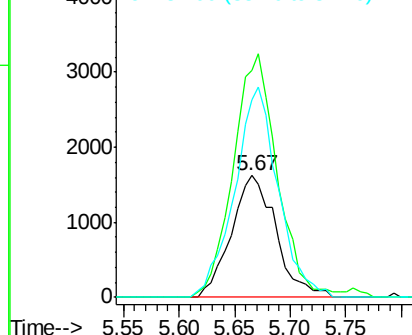
56 100

69 186.8 25.0 37.6#

84 162.8 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: 56.41 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001837.D

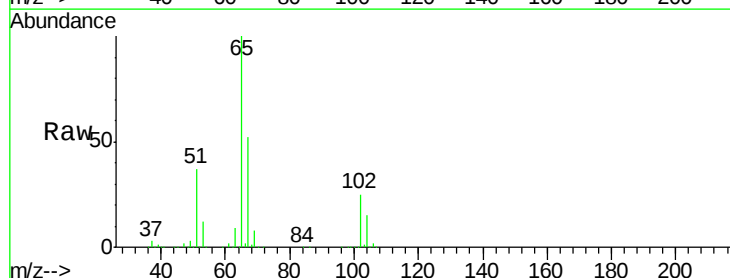
Acq: 18 May 2018 20:14

Tgt Ion: 65 Resp: 237443

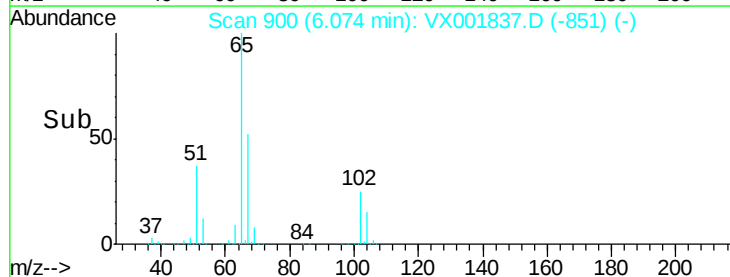
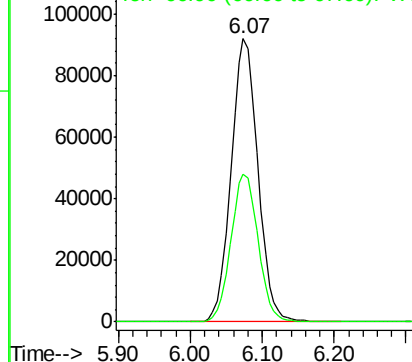
Ion Ratio Lower Upper

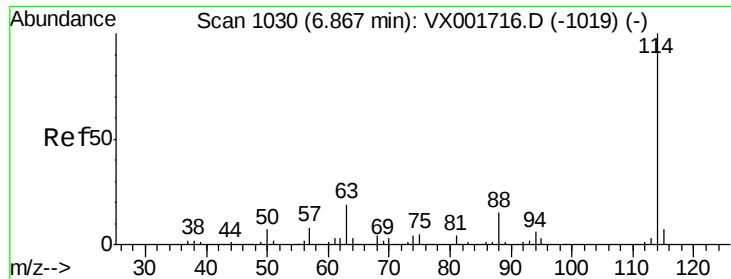
65 100

67 53.3 0.0 102.8



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

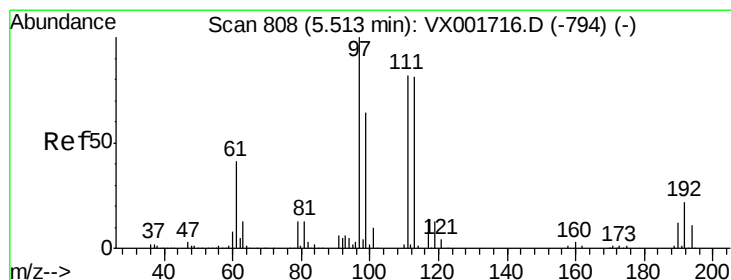
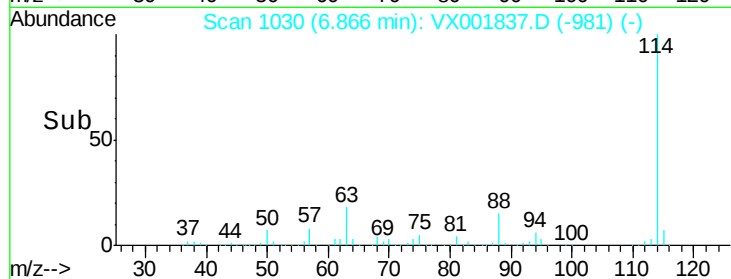
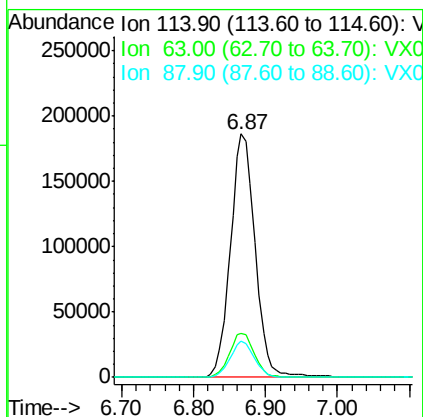
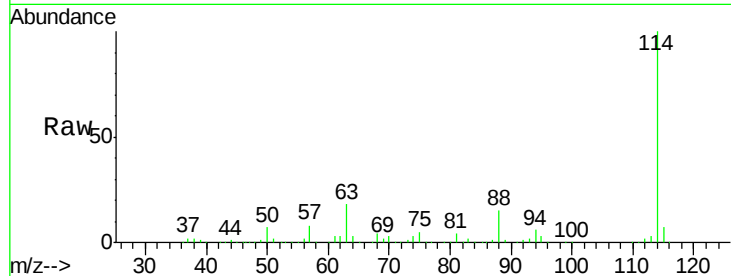




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001837.D
 Acq: 18 May 2018 20:14

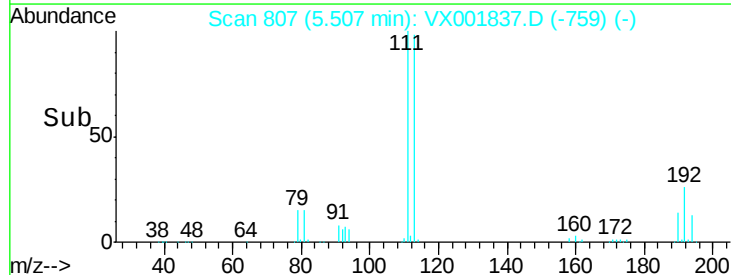
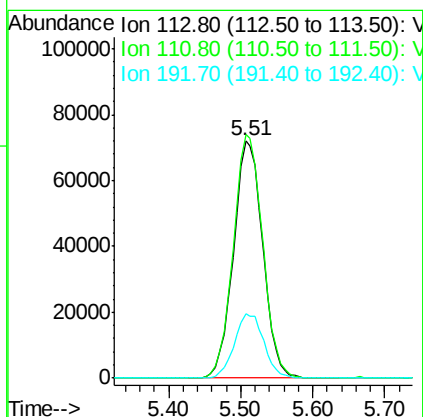
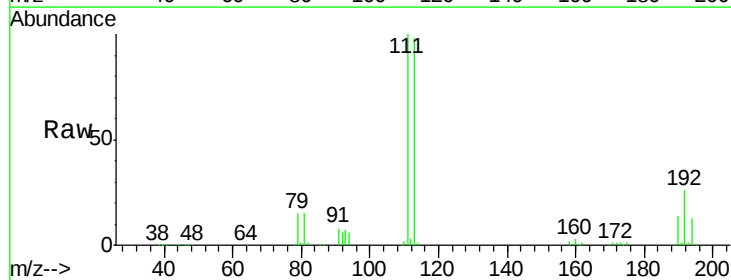
Instrument :
 MSVOA_X
 ClientSampleId :

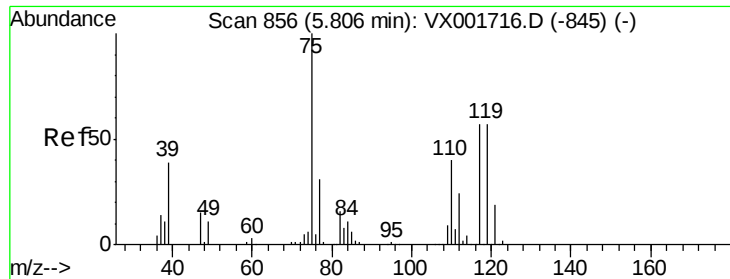
Tot Ion:114 Resp: 445081
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.0
 88 15.0 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 53.94 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001837.D
 Acq: 18 May 2018 20:14

Tgt Ion:113 Resp: 202590
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.0 123.0
 192 27.5 21.6 32.4





#36

1,1-Dichloropropene

Concen: 3.55 ug/l

RT: 5.67 min Scan# 833

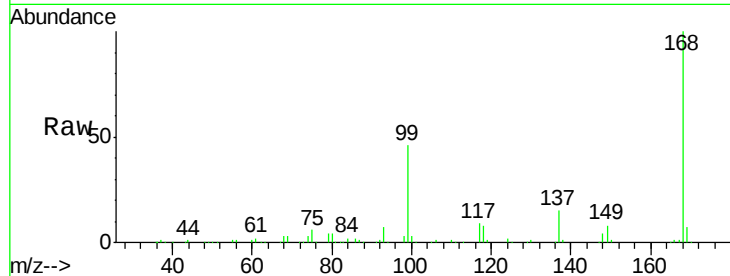
Delta R.T. -0.14 min

Lab File: VX001837.D

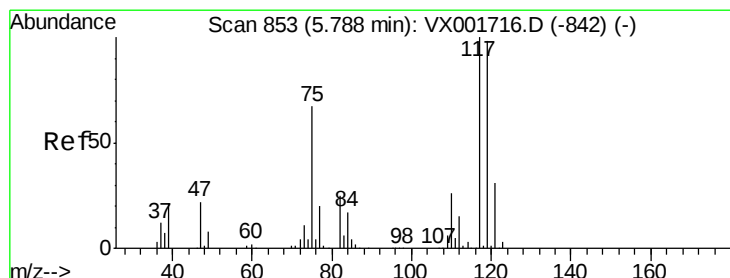
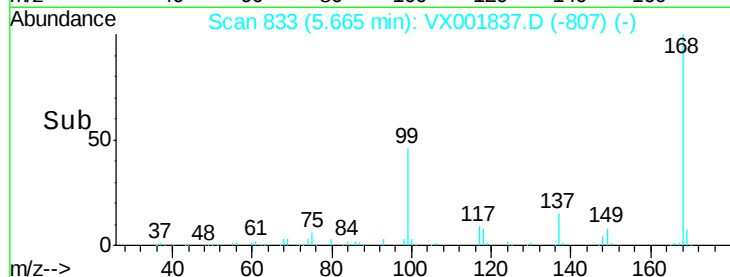
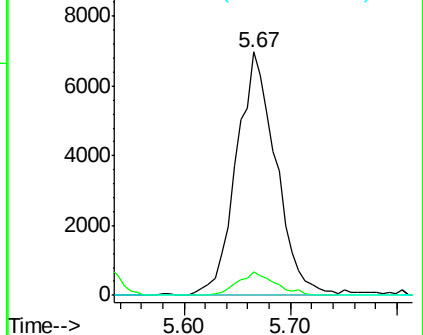
Acq: 18 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	18206
Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.1	57.1#
77	0.0	24.6	37.0#



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: 4.74 ug/l

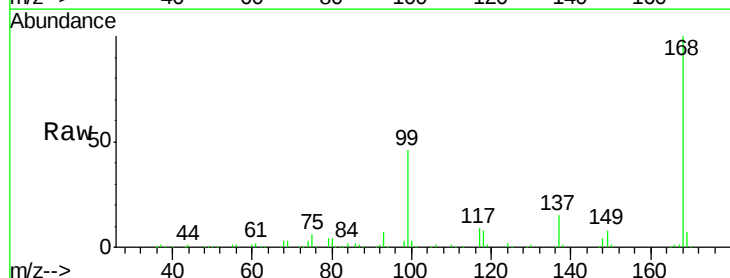
RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

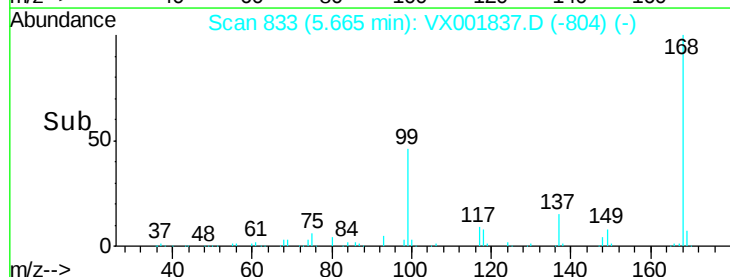
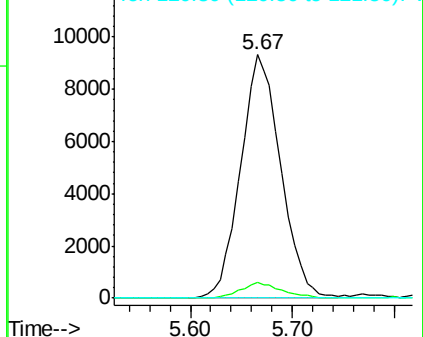
Lab File: VX001837.D

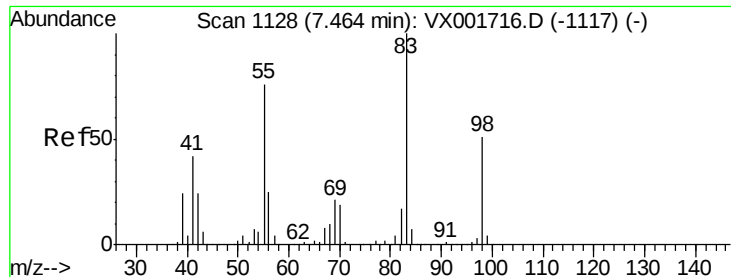
Acq: 18 May 2018 20:14

Tgt Ion:	117	Resp:	25454
Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.6	116.4#
121	0.0	24.6	36.8#



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

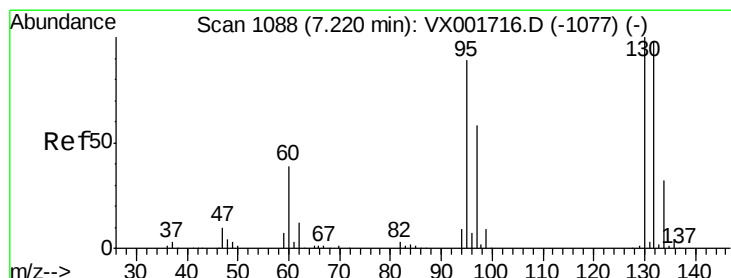
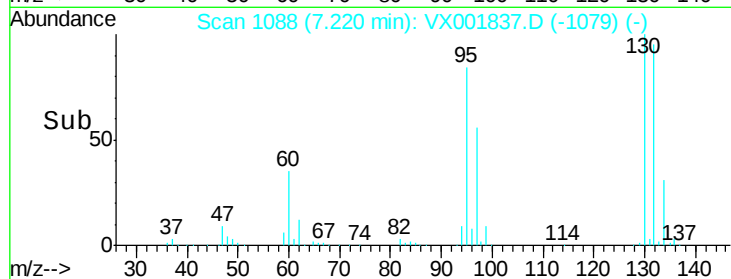
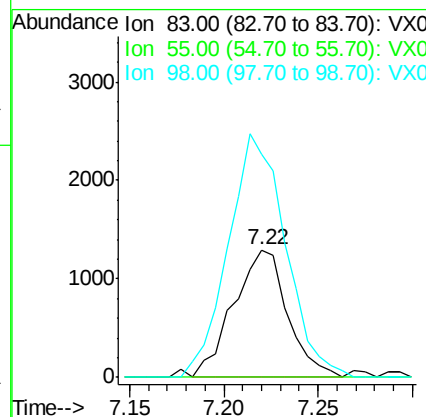
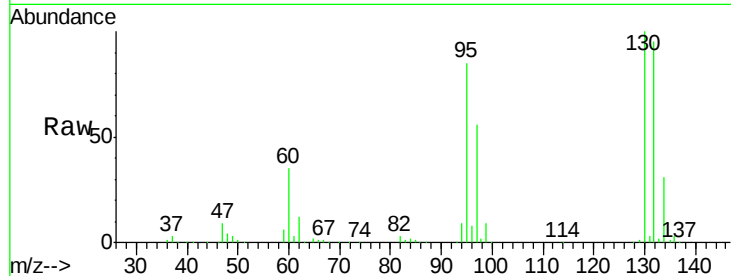




#39
Methvlcvclohexane
Concen: 0.43 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.24 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

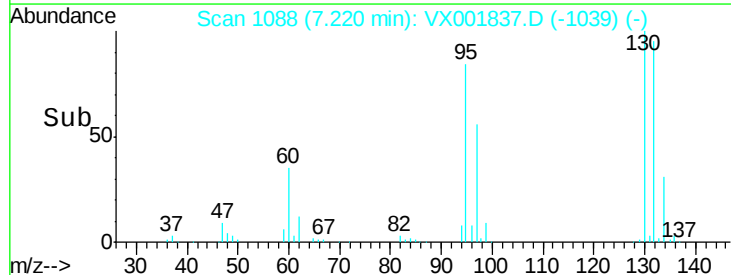
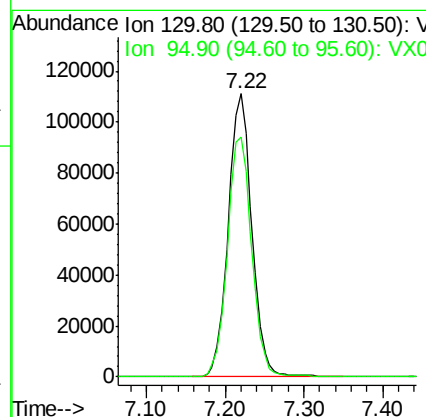
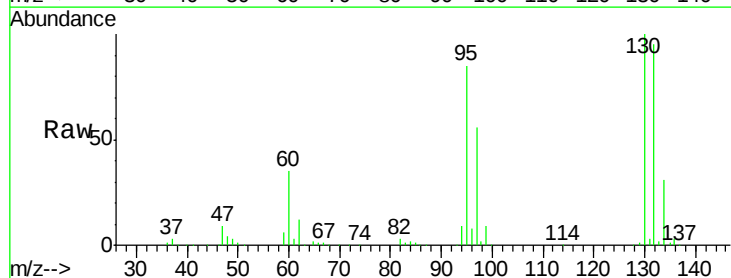
Instrument :
MSVOA_X
ClientSampleId :

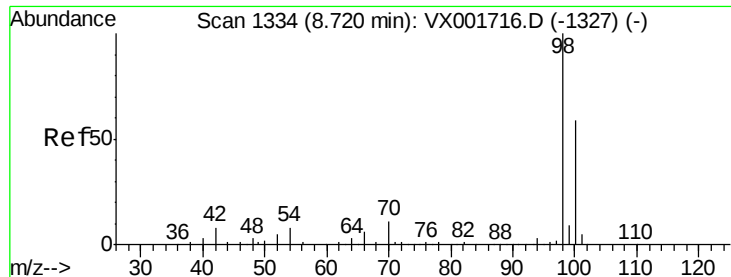
Tot Ion: 83 Resp: 2574
Ion Ratio Lower Upper
83 100
55 0.0 60.6 90.8#
98 169.7 40.4 60.6#



#44
Trichloroethene
Concen: 49.50 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

Tgt Ion:130 Resp: 231941
Ion Ratio Lower Upper
130 100
95 84.6 0.0 177.2





#50

Toluene-d8

Concen: 54.67 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001837.D

Acq: 18 May 2018 20:14

Instrument :

MSVOA_X

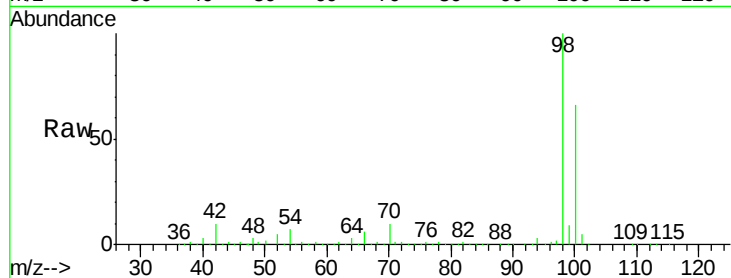
ClientSampleId :

Tot Ion: 98 Resp: 735467

Ion Ratio Lower Upper

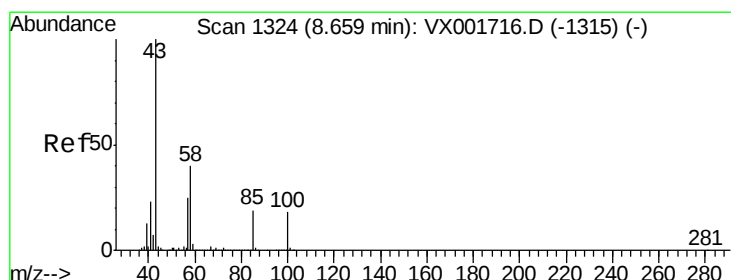
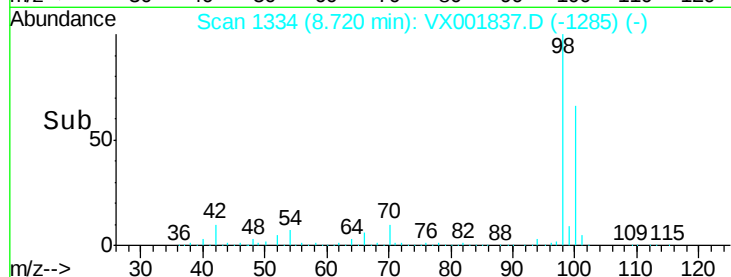
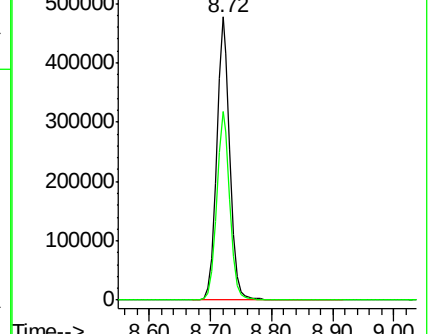
98 100

100 66.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001837.D

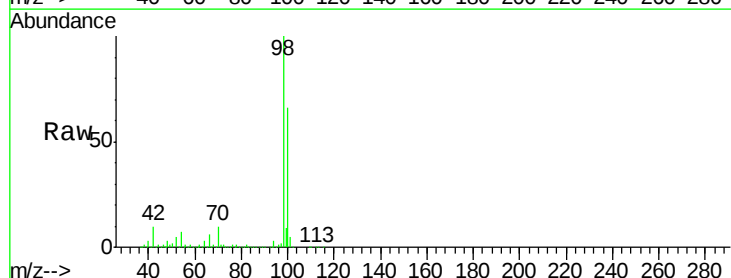
Acq: 18 May 2018 20:14

Tgt Ion: 43 Resp: 2962

Ion Ratio Lower Upper

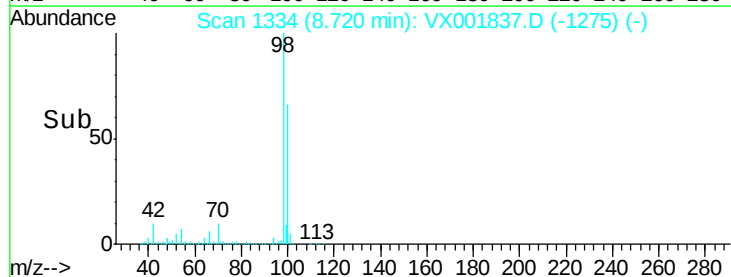
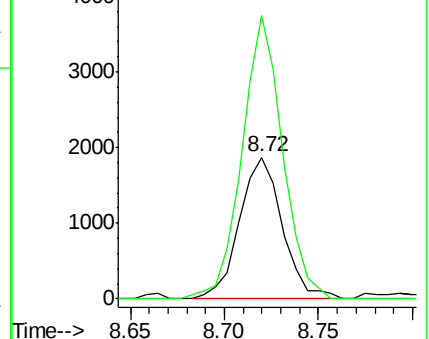
43 100

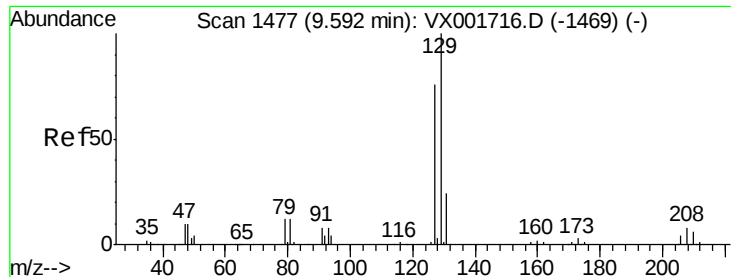
58 187.9 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

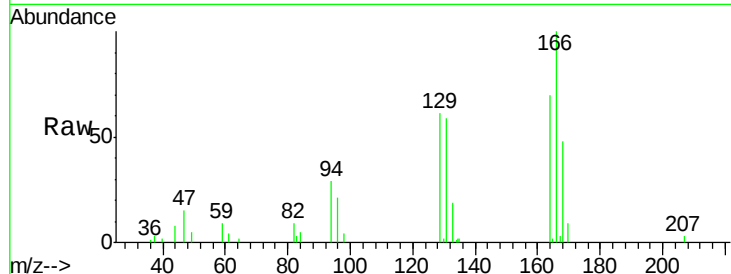




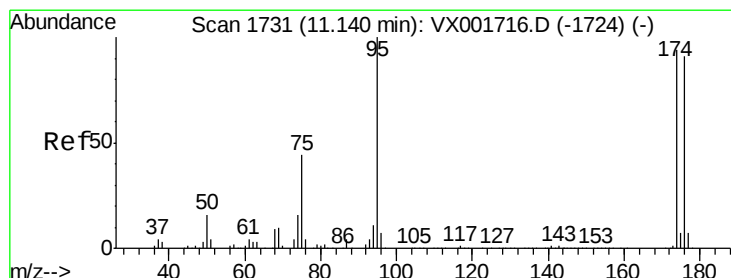
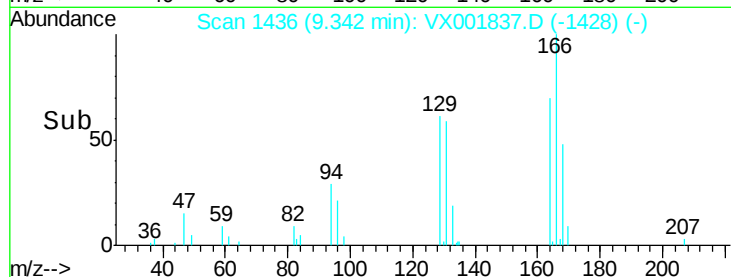
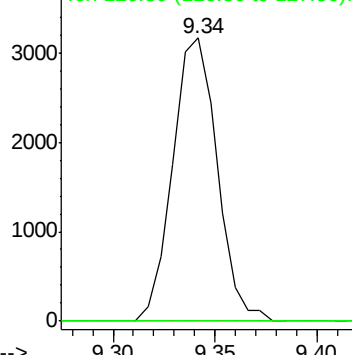
#60
Dibromochloromethane
Concen: 1.26 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 4783
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

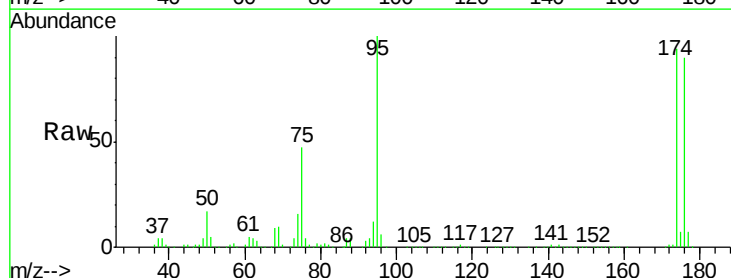


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

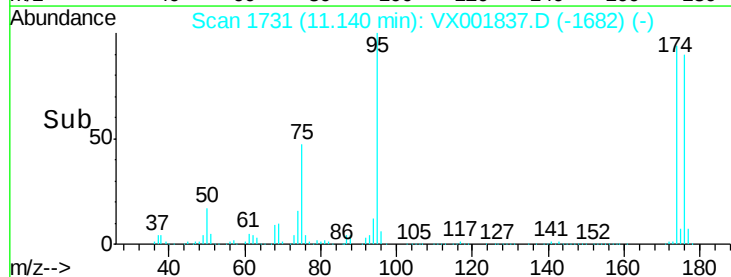
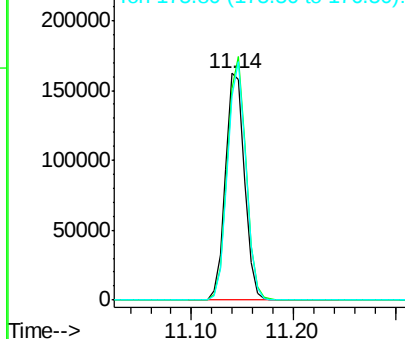


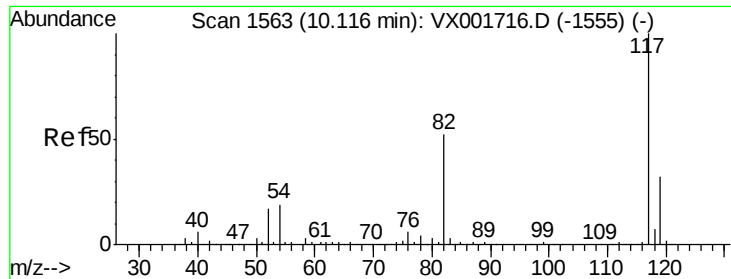
#62
4-Bromofluorobenzene
Concen: 43.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

Tgt Ion: 95 Resp: 210057
Ion Ratio Lower Upper
95 100
174 104.3 0.0 201.8
176 101.1 0.0 196.8



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

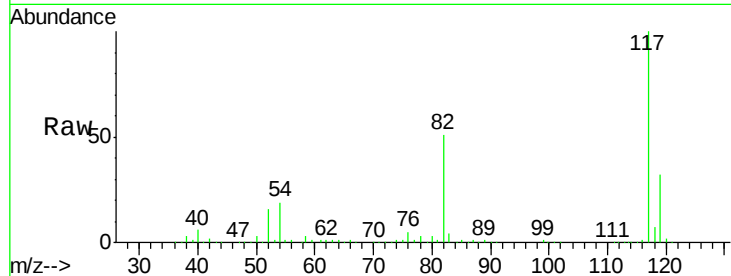




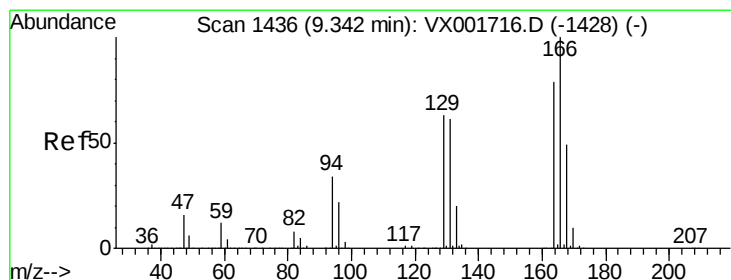
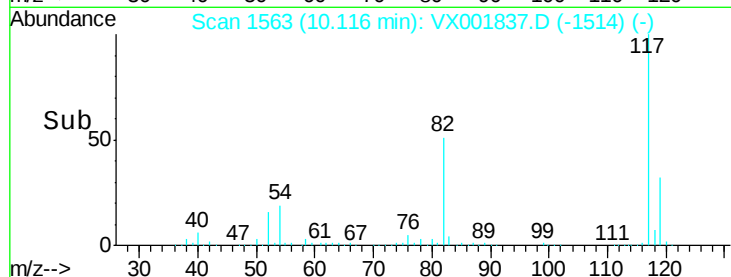
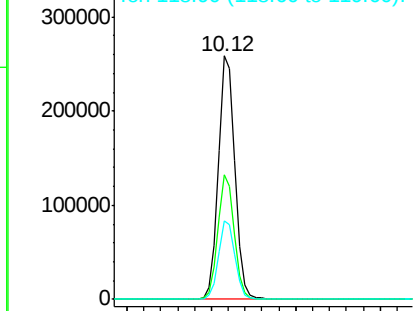
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 353584
Ion Ratio Lower Upper
117 100
82 51.3 41.4 62.2
119 32.2 25.6 38.4

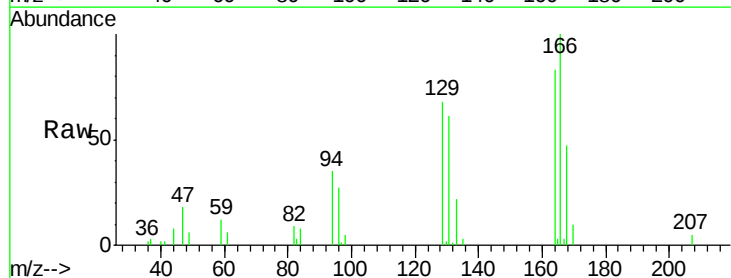


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

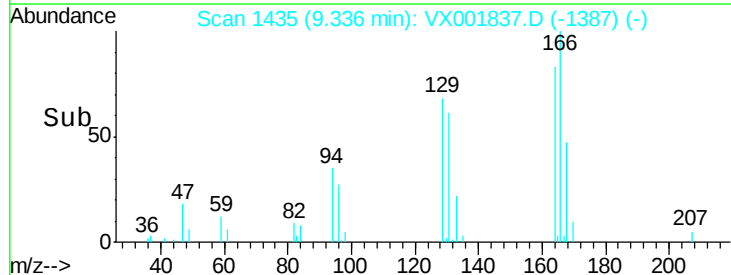
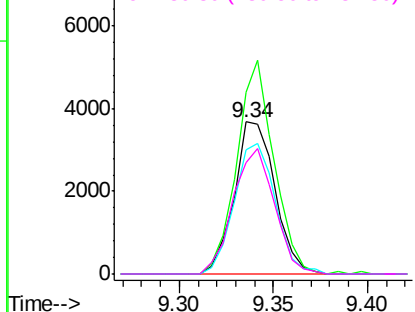


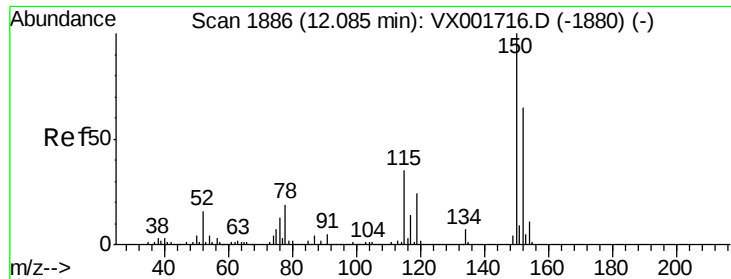
#64
Tetrachloroethene
Concen: 1.20 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX001837.D
Acq: 18 May 2018 20:14

Tgt Ion:164 Resp: 5537
Ion Ratio Lower Upper
164 100
166 119.8 101.8 152.8
129 81.8 63.8 95.6
131 73.1 62.2 93.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX001837.D

Acq: 18 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

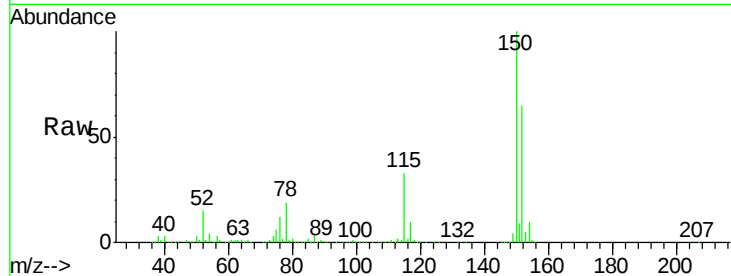
Tot Ion:152 Resp: 192513

Ion Ratio Lower Upper

152 100

115 51.6 37.4 112.2

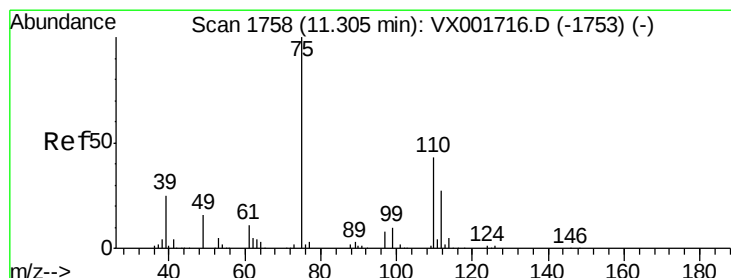
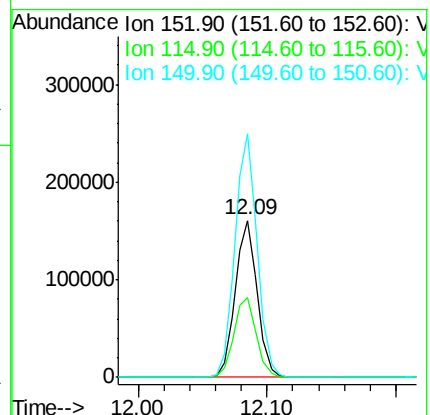
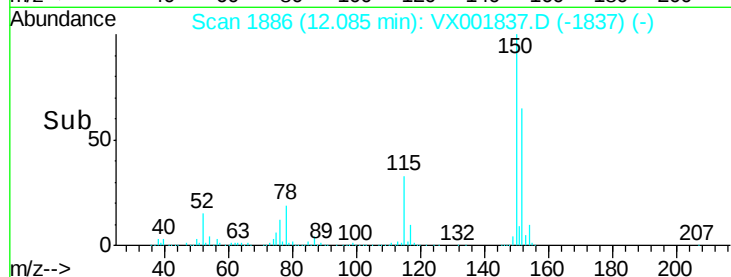
150 156.7 0.0 344.8



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: 27.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001837.D

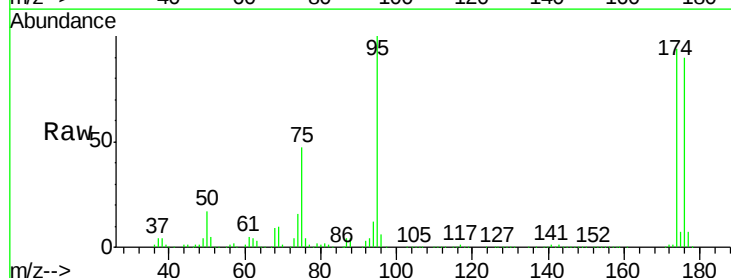
Acq: 18 May 2018 20:14

Tgt Ion: 75 Resp: 99011

Ion Ratio Lower Upper

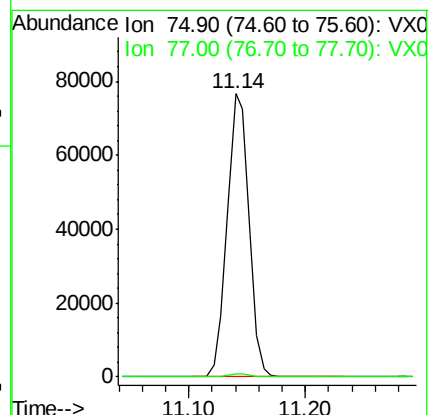
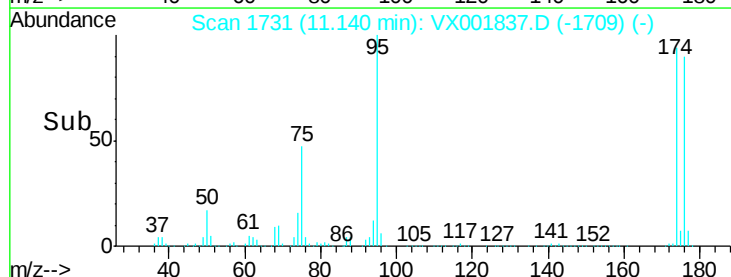
75 100

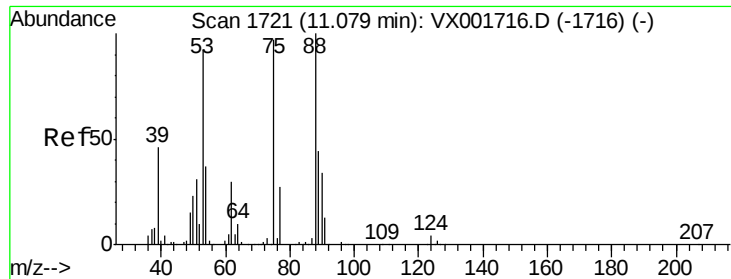
77 1.3 18.9 56.7#



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: 78.58 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001837.D
 Acq: 18 May 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 99011
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.2#
 89 0.0 38.8 58.2#

