

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001831.D
 Acq On : 18 May 2018 17:34
 Operator : JC/MD
 Sample : J2853-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:25:03 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	316061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193522	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	235941	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
35) Dibromofluoromethane	5.51	113	201106	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
50) Toluene-d8	8.72	98	719237	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	11.14	95	209382	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	

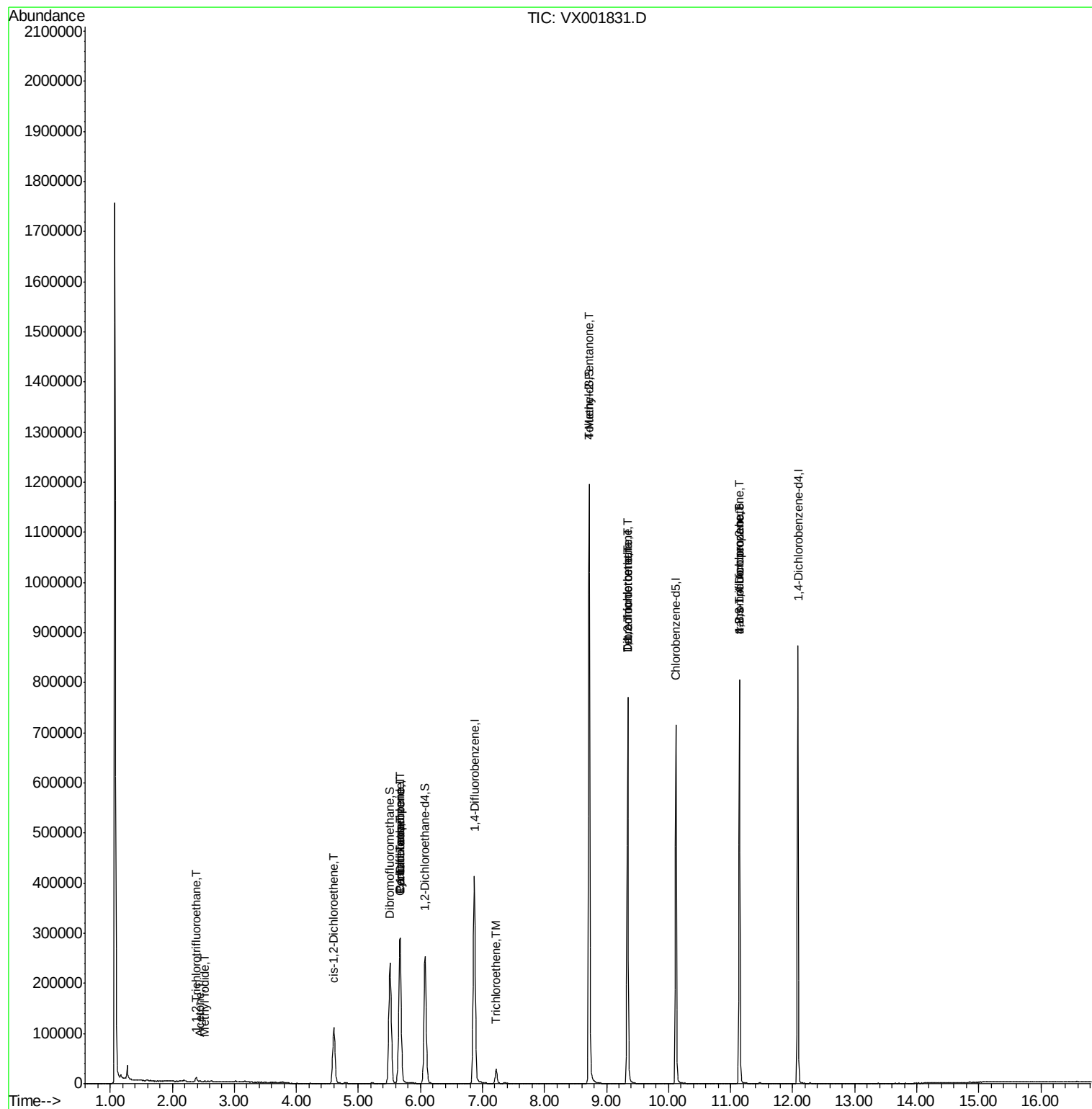
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1180	Below Cal	#	72
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3143	0.97	ug/l	96
10) Methyl Iodide	2.52	142	986	0.33	ug/l	# 90
16) Acetone	2.45	43	1061	0.64	ug/l	# 88
27) cis-1,2-Dichloroethene	4.60	96	73463	18.76	ug/l	91
31) Cyclohexane	5.66	56	4665	0.88	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	17953	3.49	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	25355	4.71	ug/l	# 16
44) Trichloroethene	7.22	130	12107	2.58	ug/l	94
51) 4-Methyl-2-Pentanone	8.72	43	2781	0.52	ug/l	# 1
55) 1,1,2-Trichloroethane	9.34	97	1198	0.32	ug/l	# 1
60) Dibromochloromethane	9.34	129	144844	38.04	ug/l	# 11
64) Tetrachloroethene	9.34	164	175050	37.75	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	97176	26.41	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	97176	76.80	ug/l	# 10

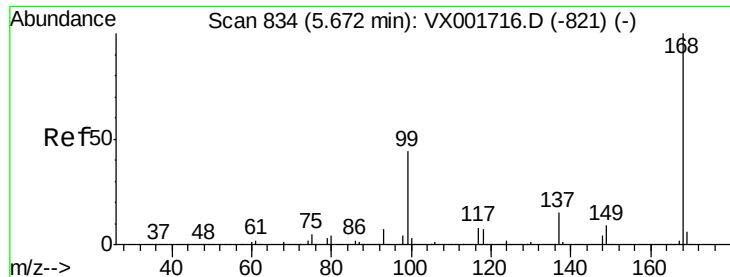
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

Instrument :

MSVOA_X

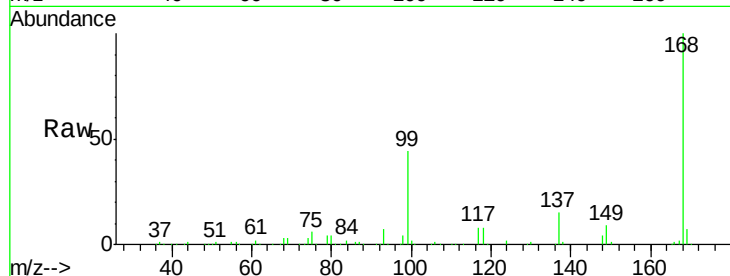
ClientSampleId :

Tot Ion:168 Resp: 316061

Ion Ratio Lower Upper

168 100

99 43.5 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

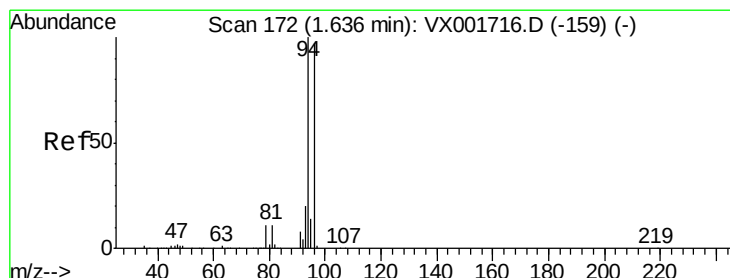
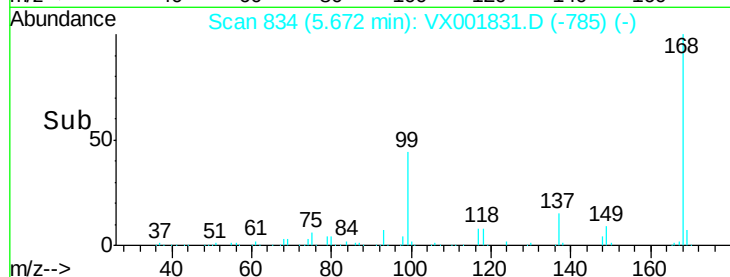
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001831.D

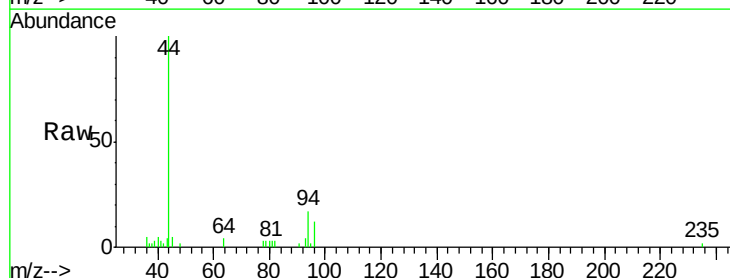
Acq: 18 May 2018 17:34

Tgt Ion: 94 Resp: 1180

Ion Ratio Lower Upper

94 100

96 69.6 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

500

400

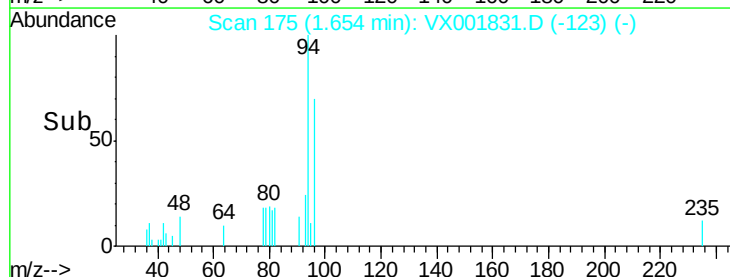
300

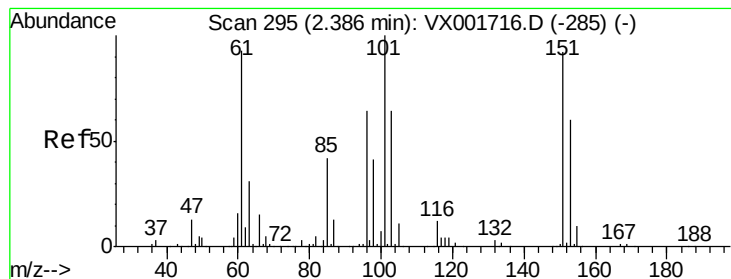
200

100

0

Time--> 1.60 1.65 1.70 1.75





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.97 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

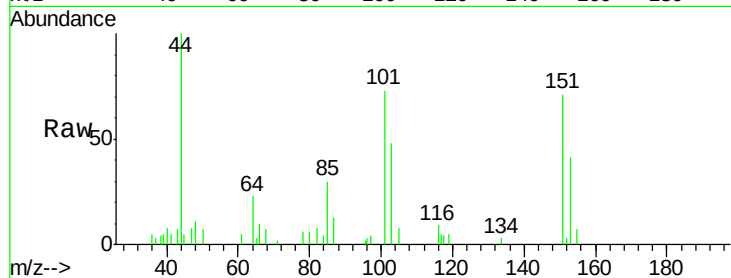
Tot Ion:101 Resp: 3143

Ion Ratio Lower Upper

101 100

85 43.5 33.7 50.5

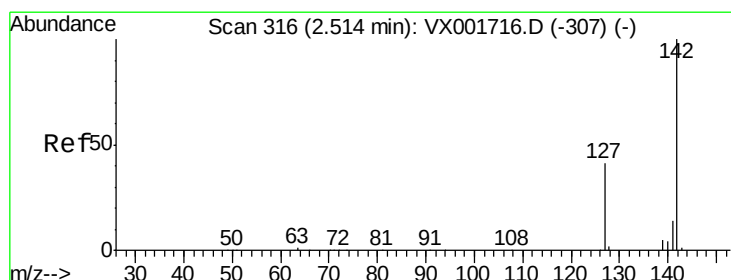
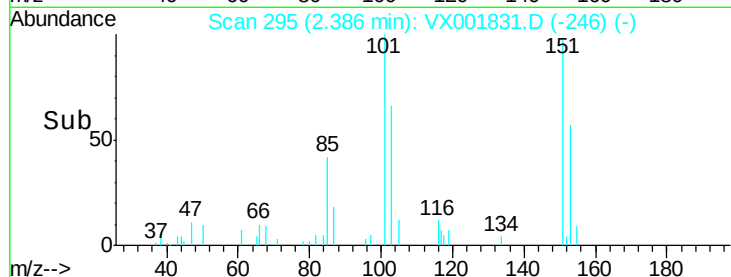
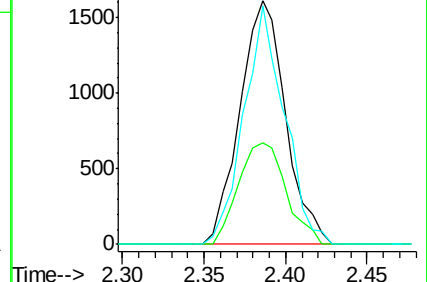
151 86.9 73.0 109.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.33 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

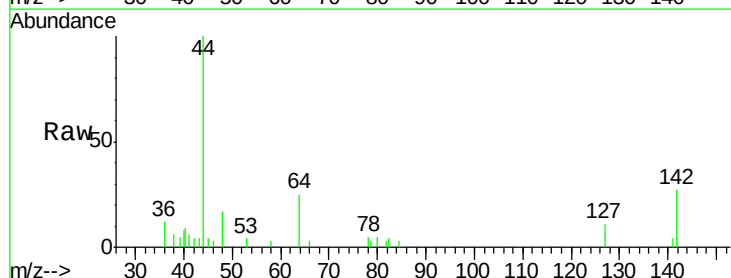
Tgt Ion:142 Resp: 986

Ion Ratio Lower Upper

142 100

127 44.2 32.5 48.7

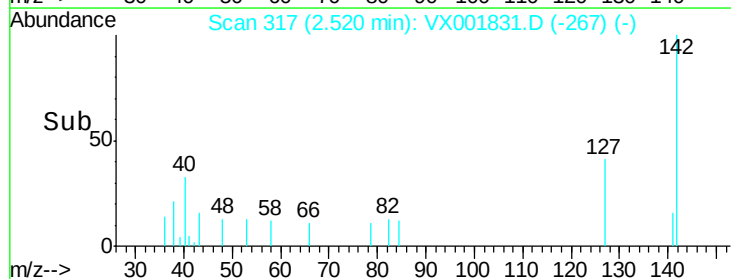
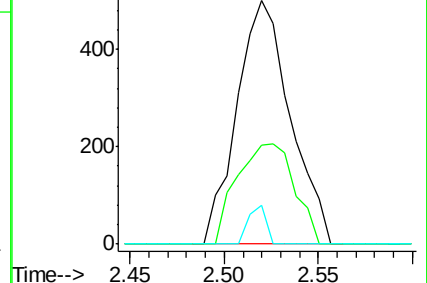
141 5.3 11.4 17.0#

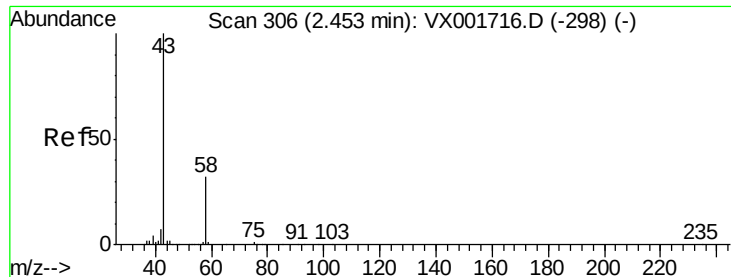


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 0.64 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

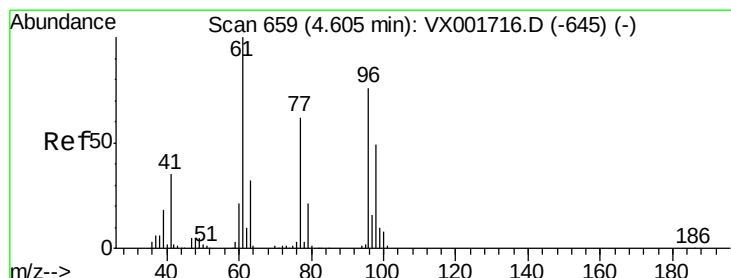
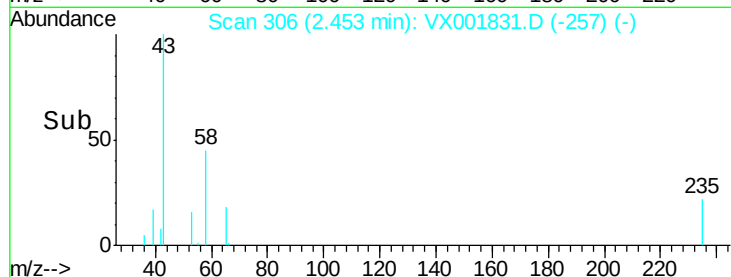
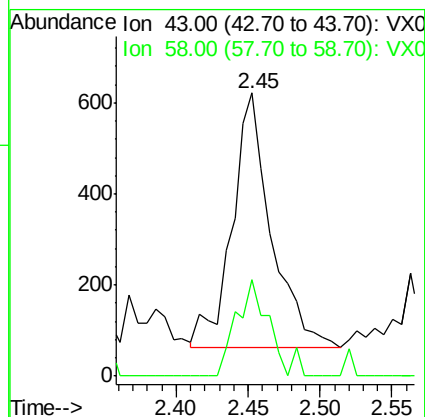
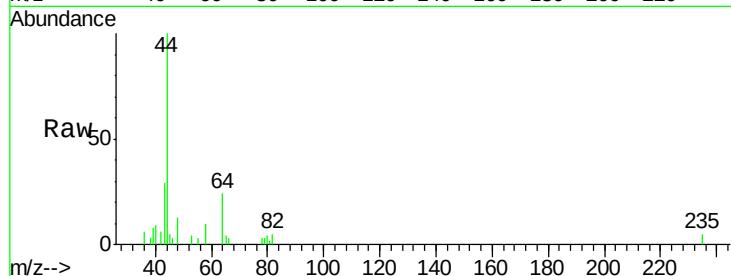
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

58 38.0 25.3 37.9#



#27

cis-1,2-Dichloroethene

Concen: 18.76 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

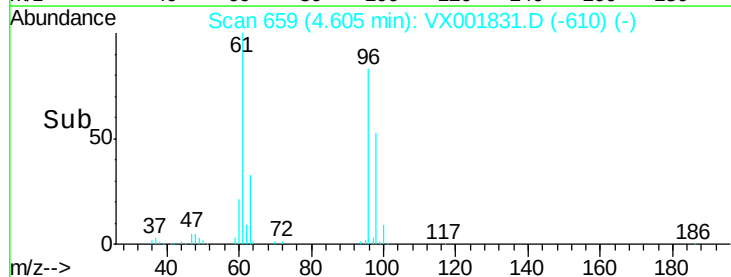
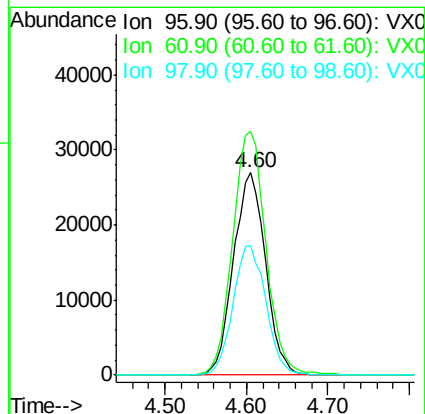
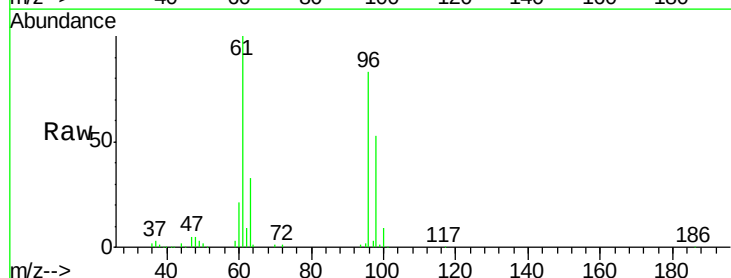
Tgt Ion: 96 Resp: 73463

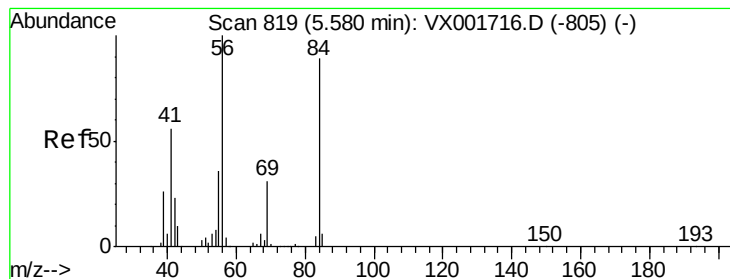
Ion Ratio Lower Upper

96 100

61 125.0 0.0 280.4

98 65.2 0.0 128.4





#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

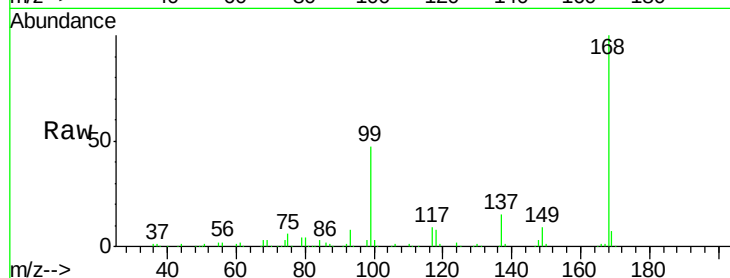
Tot Ion: 56 Resp: 4665

Ion Ratio Lower Upper

56 100

69 179.5 25.0 37.6#

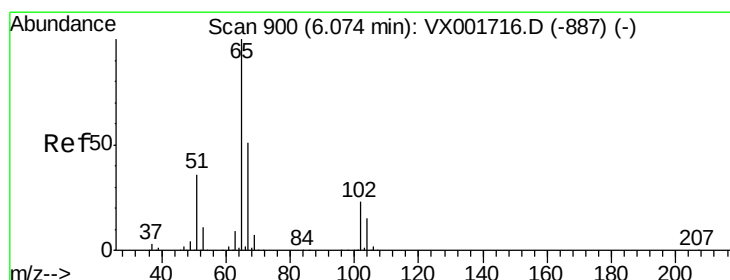
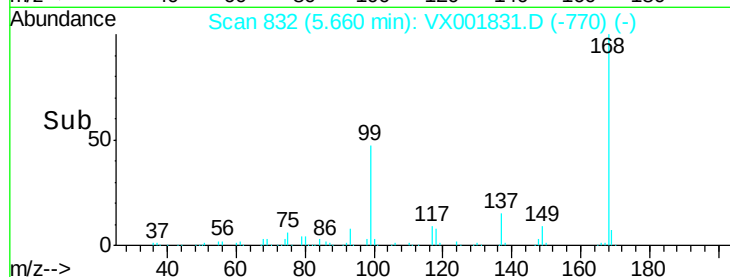
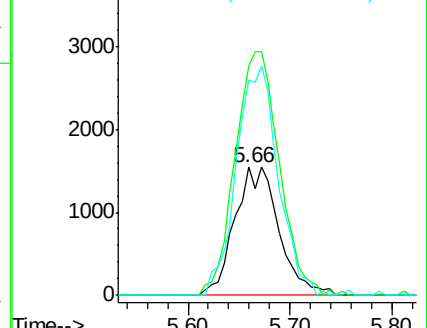
84 168.5 71.0 106.4#



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: 55.69 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001831.D

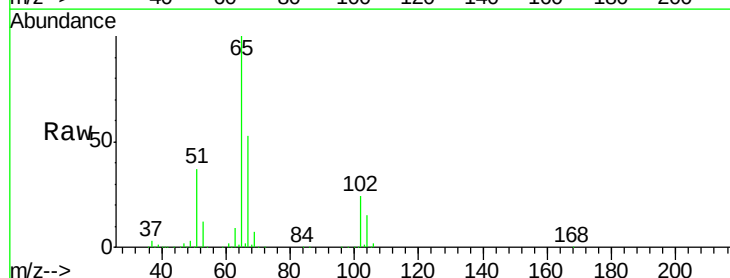
Acq: 18 May 2018 17:34

Tgt Ion: 65 Resp: 235941

Ion Ratio Lower Upper

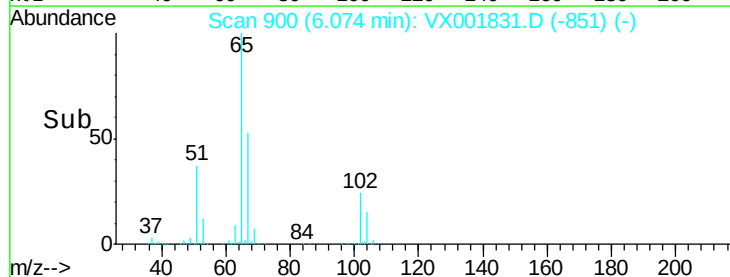
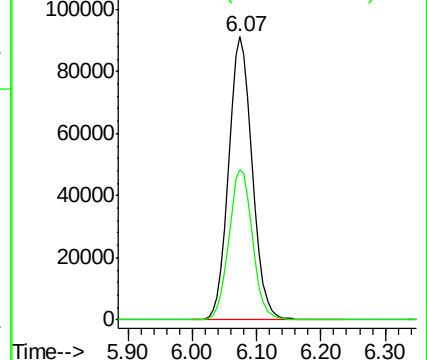
65 100

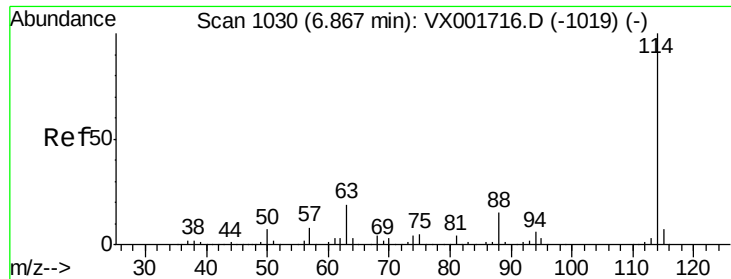
67 53.1 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

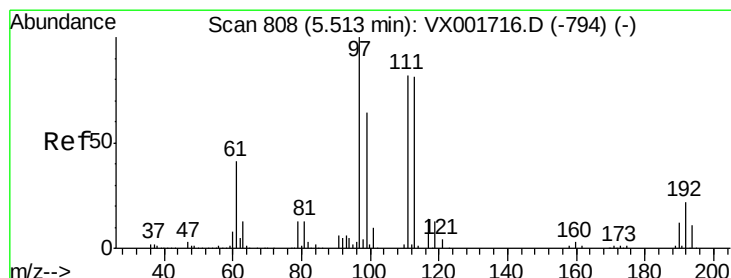
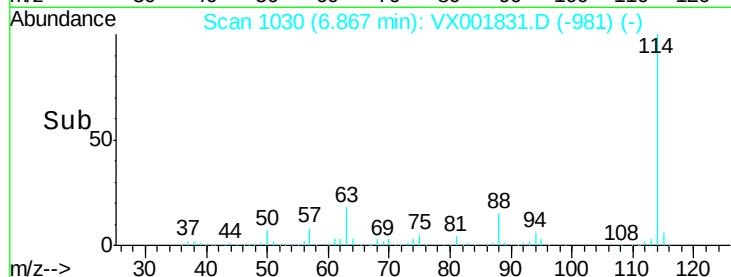
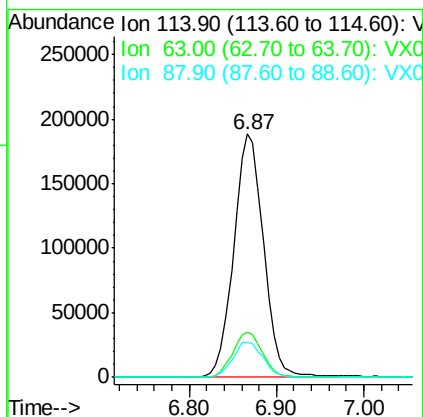
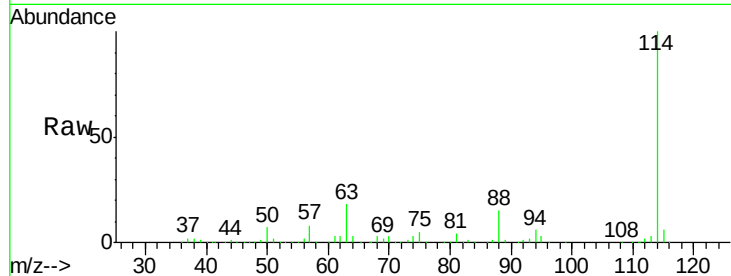




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001831.D
 Acq: 18 May 2018 17:34

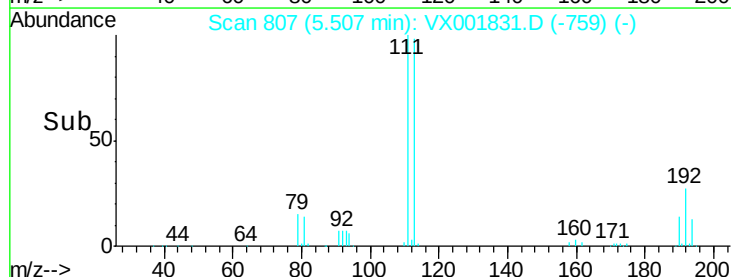
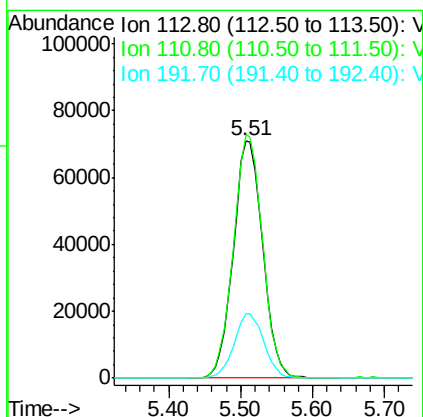
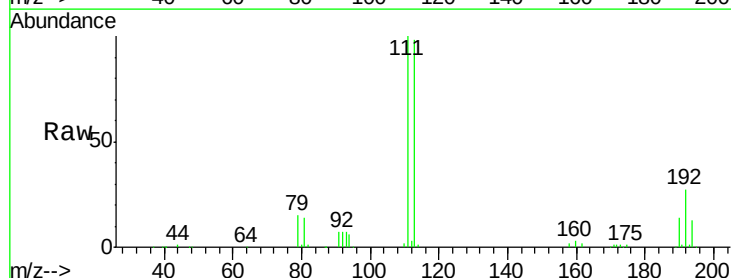
Instrument :
 MSVOA_X
 ClientSampleId :

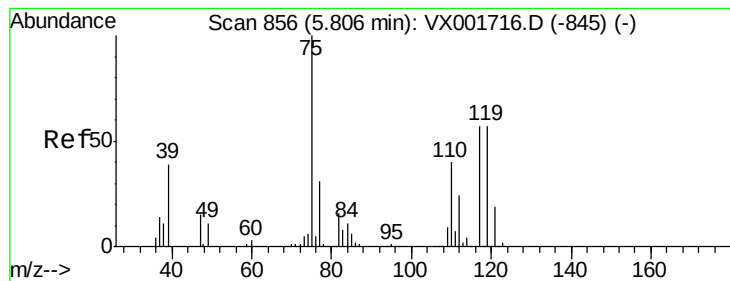
Tot Ion:114 Resp: 446363
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.0
 88 14.5 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 53.39 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001831.D
 Acq: 18 May 2018 17:34

Tgt Ion:113 Resp: 201106
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.0 123.0
 192 27.4 21.6 32.4





#36

1,1-Dichloropropene

Concen: 3.49 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

Instrument :

MSVOA_X

ClientSampled :

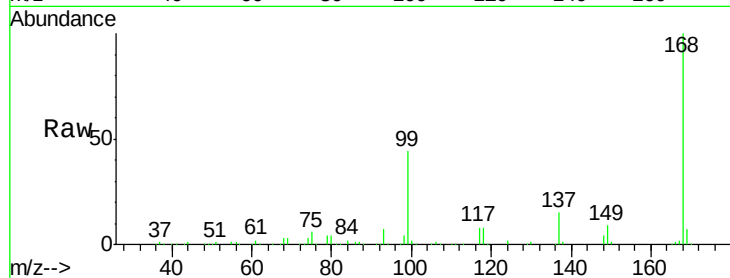
Tot Ion: 75 Resp: 17953

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

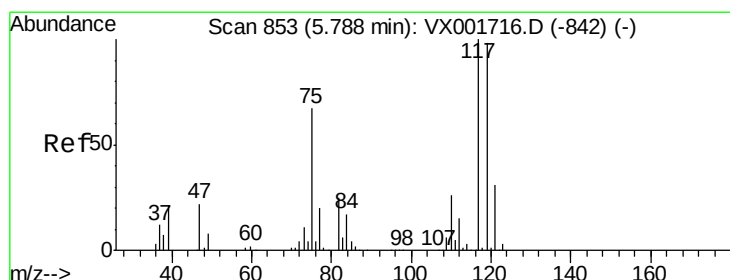
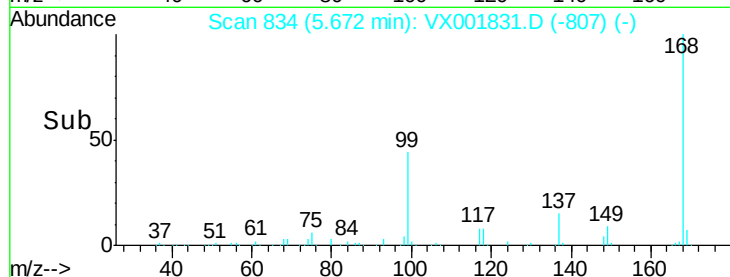
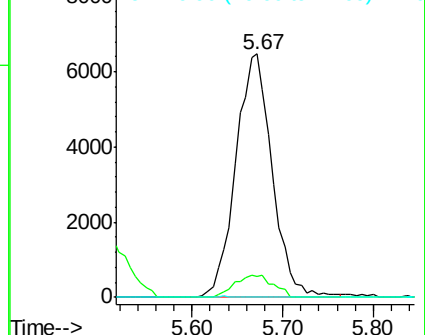
77 0.0 24.6 37.0#



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: 4.71 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

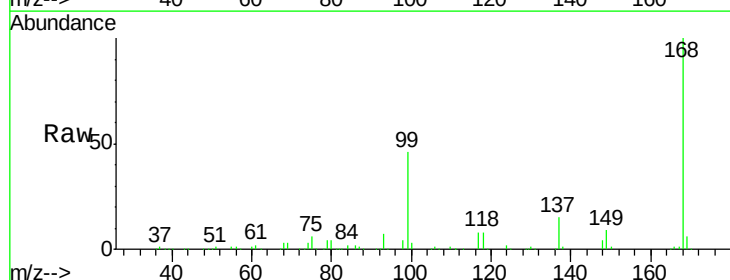
Tgt Ion: 117 Resp: 25355

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

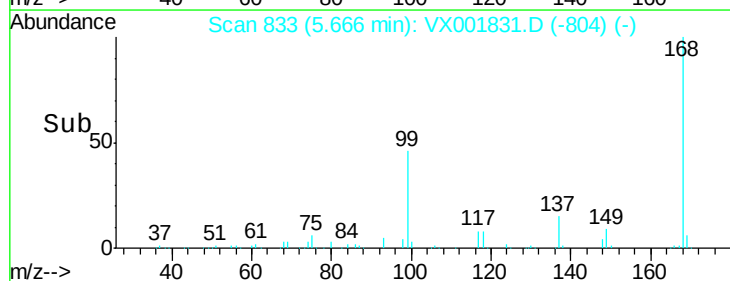
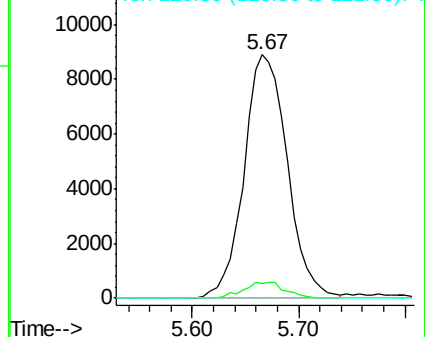
121 0.0 24.6 36.8#

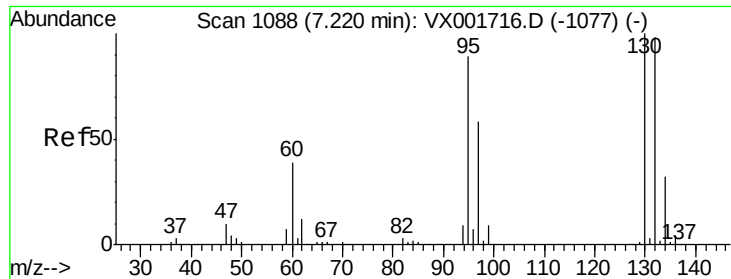


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

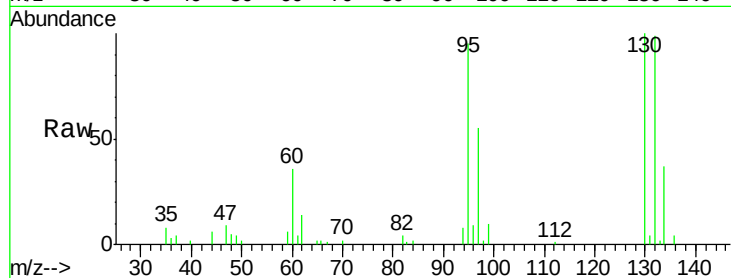




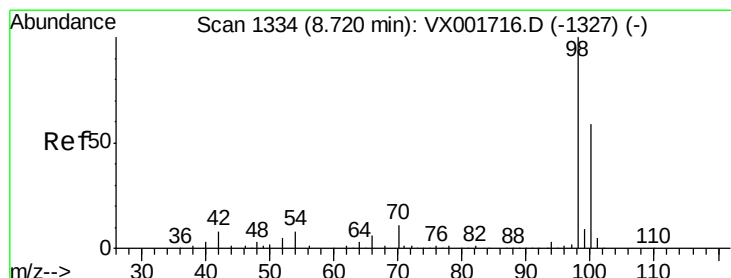
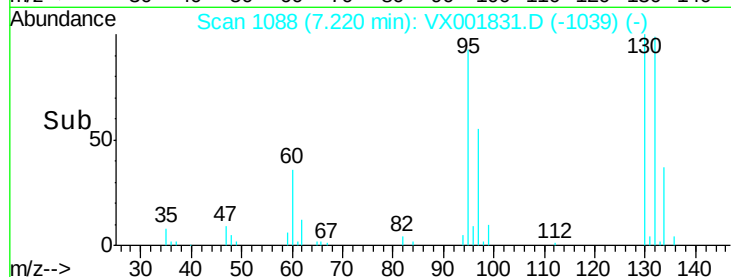
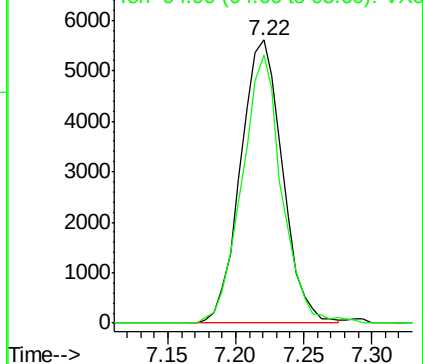
#44
 Trichloroethene
 Concen: 2.58 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001831.D
 Acq: 18 May 2018 17:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 12107
 Ion Ratio Lower Upper
 130 100
 95 94.6 0.0 177.2

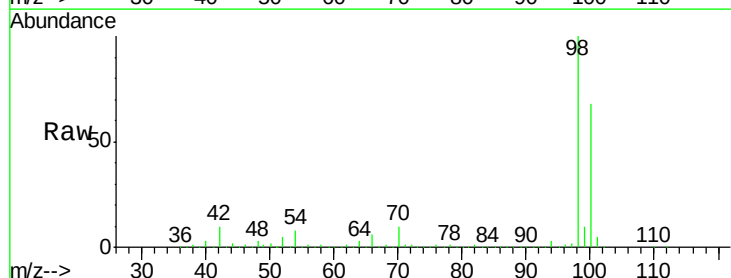


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

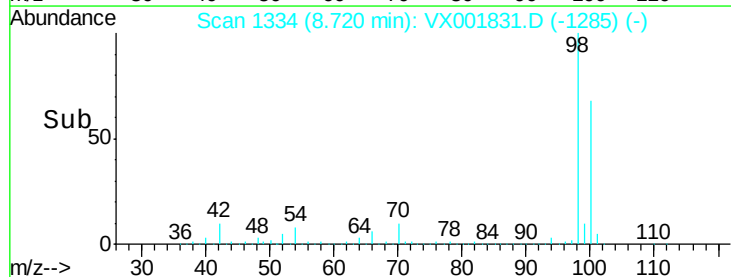
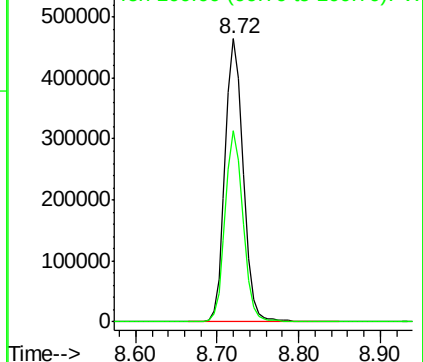


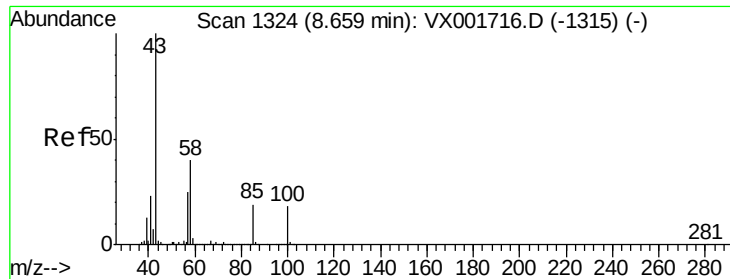
#50
 Toluene-d8
 Concen: 53.31 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001831.D
 Acq: 18 May 2018 17:34

Tgt Ion: 98 Resp: 719237
 Ion Ratio Lower Upper
 98 100
 100 66.8 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

Instrument :

MSVOA_X

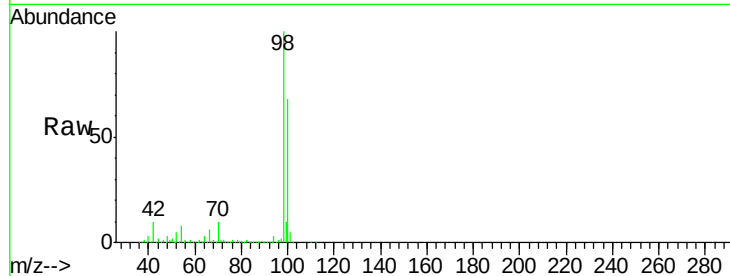
ClientSampleId :

Tot Ion: 43 Resp: 2781

Ion Ratio Lower Upper

43 100

58 200.0 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

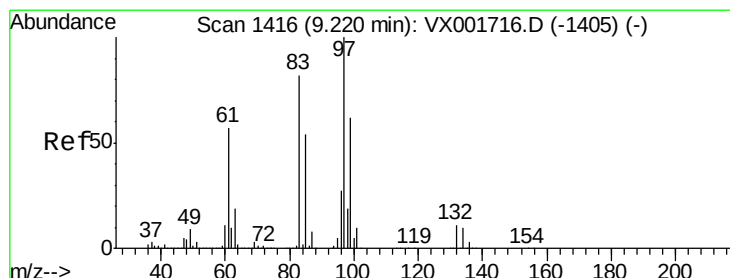
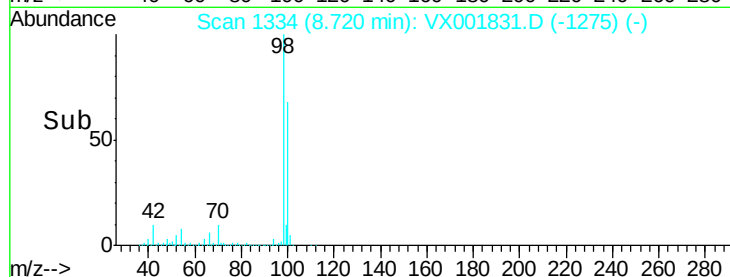
2000

1000

0

8.72

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.32 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.12 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

Tgt Ion: 97 Resp: 1198

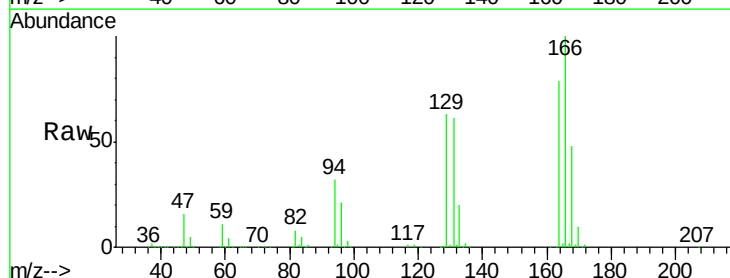
Ion Ratio Lower Upper

97 100

83 284.2 65.8 98.8#

85 37.6 43.4 65.0#

99 18.5 49.8 74.6#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

3000

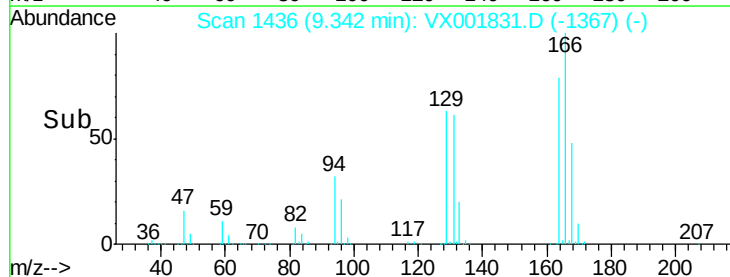
2000

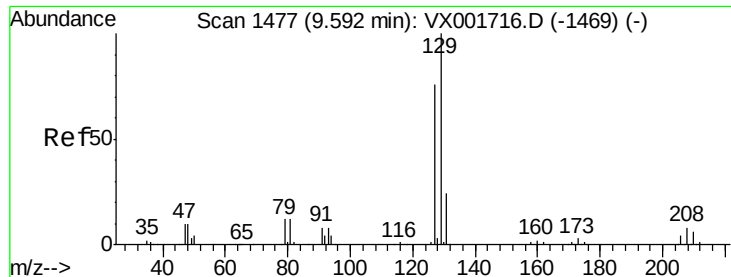
1000

0

9.34

Time-->





#60

Dibromochloromethane

Concen: 38.04 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

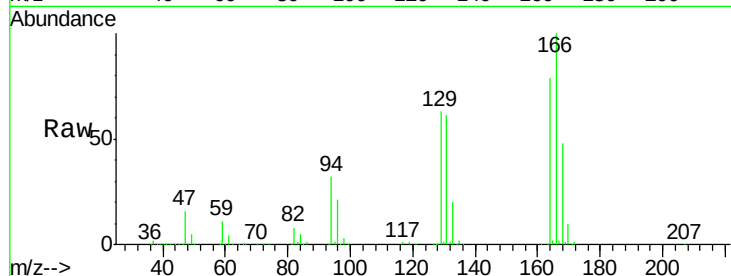
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 144844

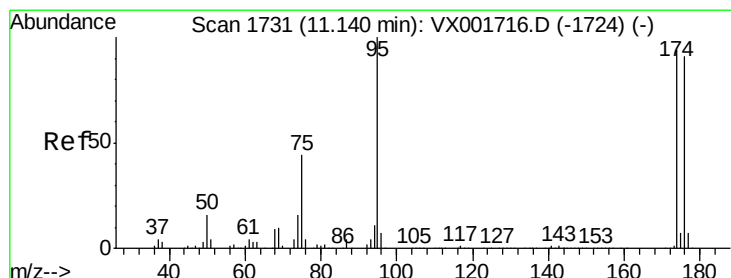
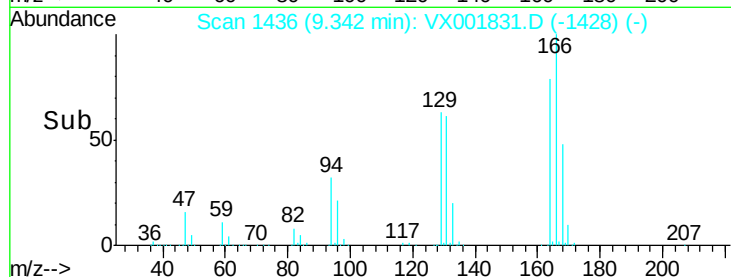
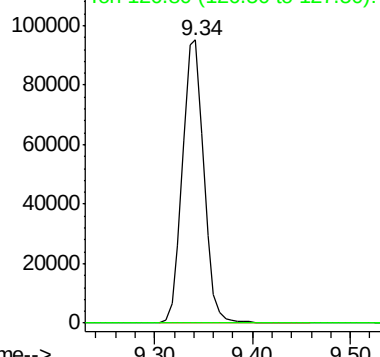
Ion Ratio Lower Upper

129 100

127 0.1 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: 43.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

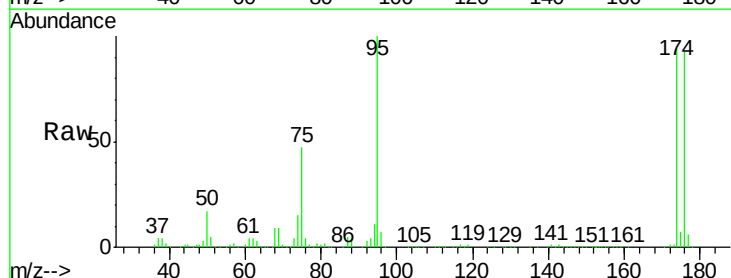
Tgt Ion: 95 Resp: 209382

Ion Ratio Lower Upper

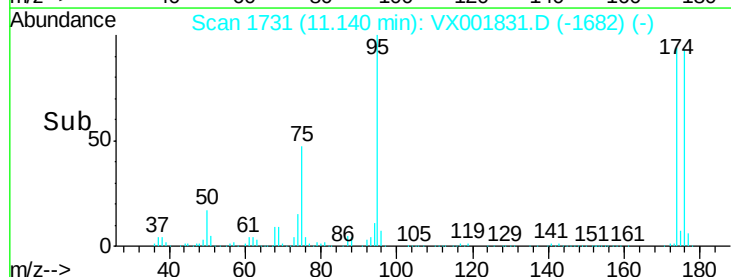
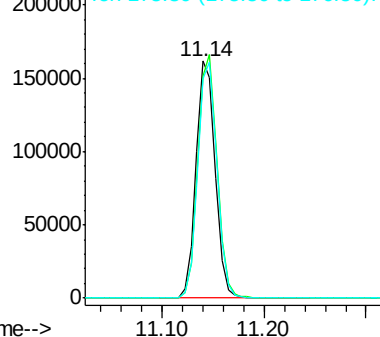
95 100

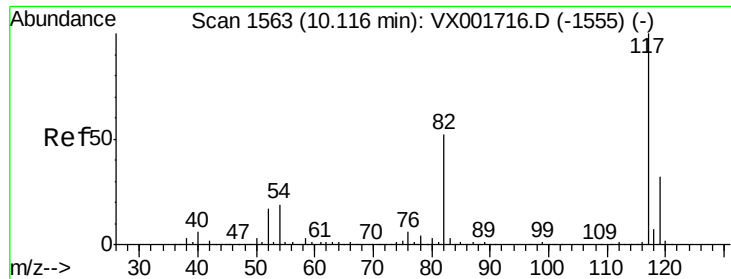
174 103.1 0.0 201.8

176 100.0 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

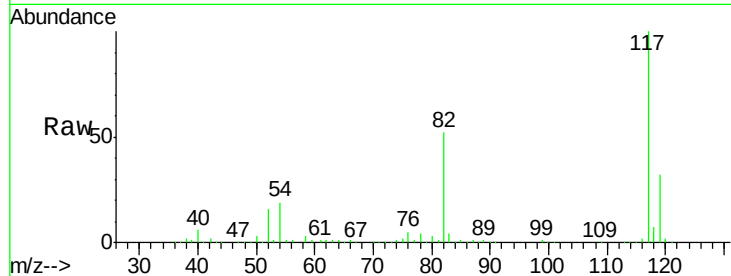




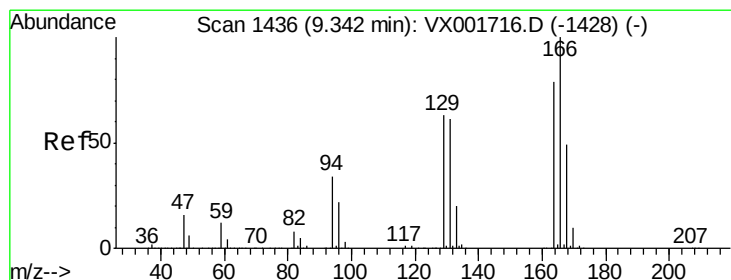
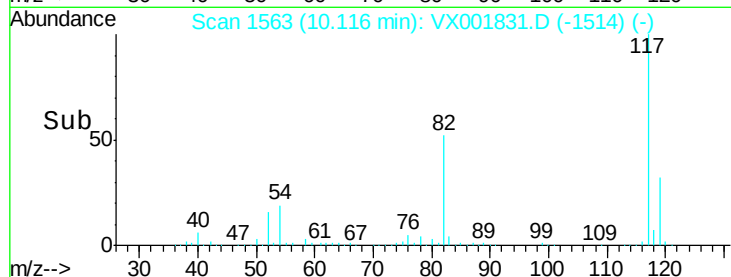
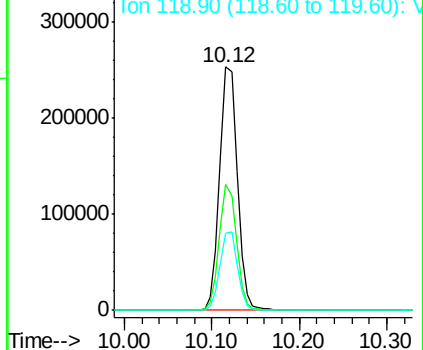
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001831.D
Acq: 18 May 2018 17:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 356222
Ion Ratio Lower Upper
117 100
82 51.9 41.4 62.2
119 31.8 25.6 38.4

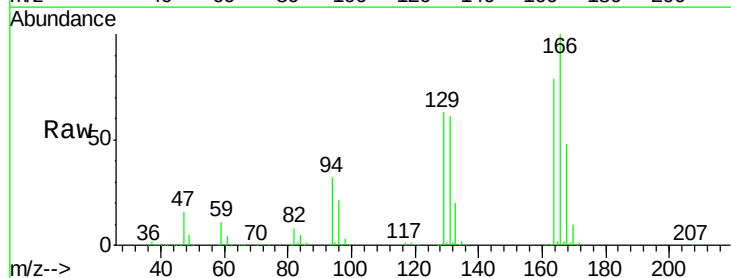


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

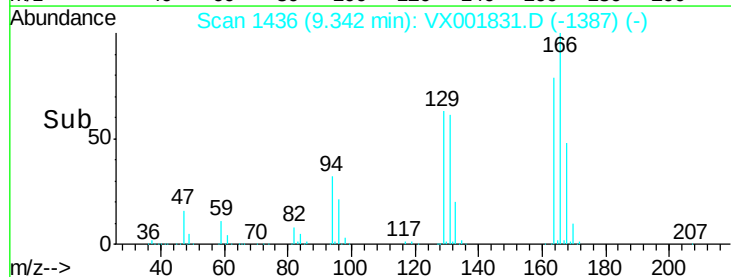
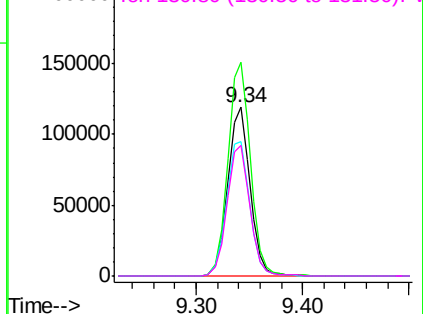


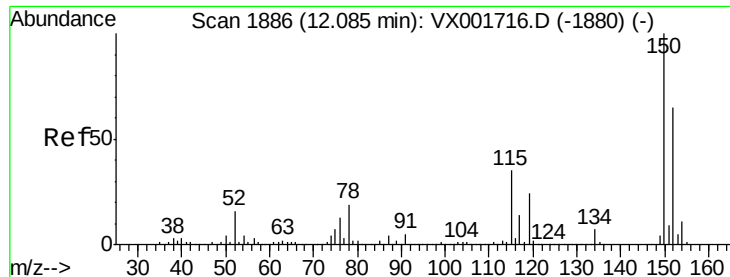
#64
Tetrachloroethene
Concen: 37.75 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001831.D
Acq: 18 May 2018 17:34

Tgt Ion:164 Resp: 175050
Ion Ratio Lower Upper
164 100
166 126.8 101.8 152.8
129 80.0 63.8 95.6
131 77.6 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: VX001831.D

Acq: 18 May 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

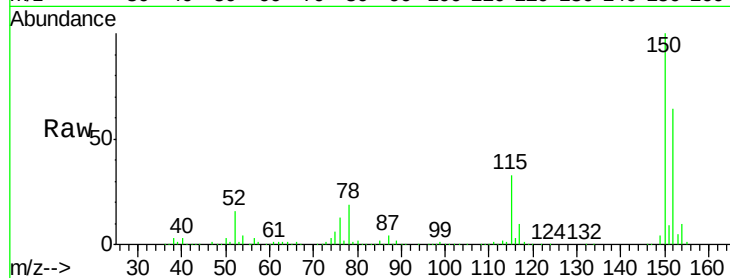
Tot Ion:152 Resp: 193522

Ion Ratio Lower Upper

152 100

115 51.6 37.4 112.2

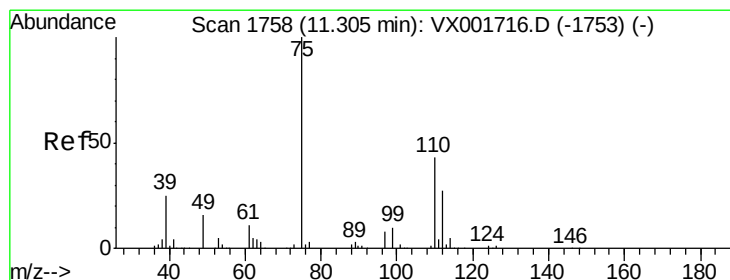
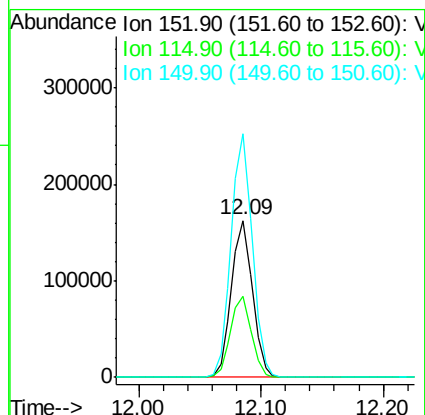
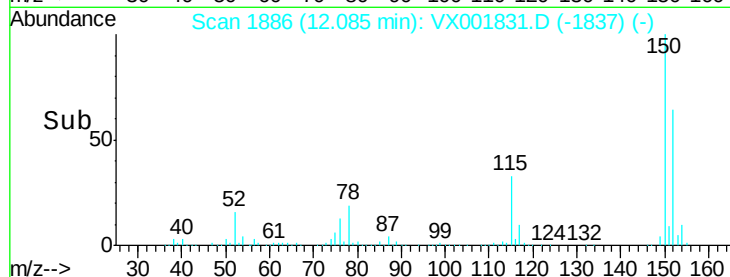
150 156.3 0.0 344.8



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: 26.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001831.D

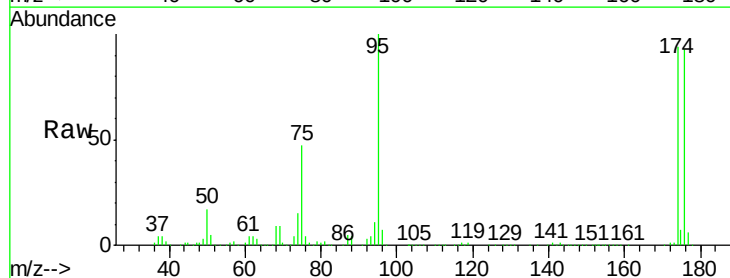
Acq: 18 May 2018 17:34

Tgt Ion: 75 Resp: 97176

Ion Ratio Lower Upper

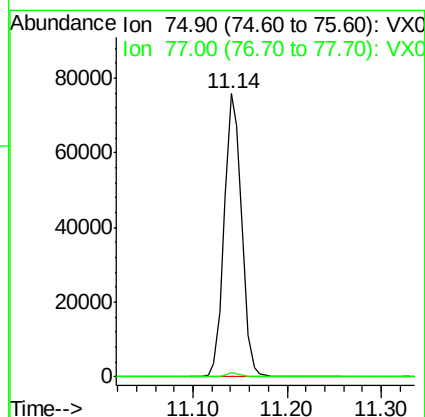
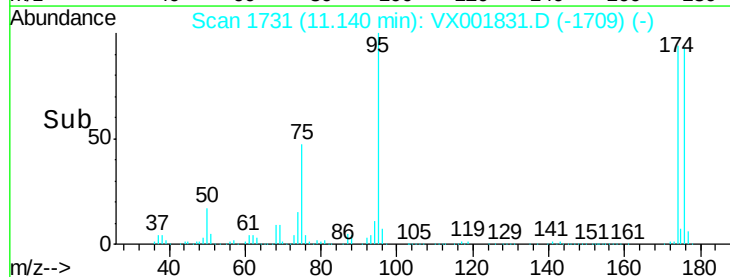
75 100

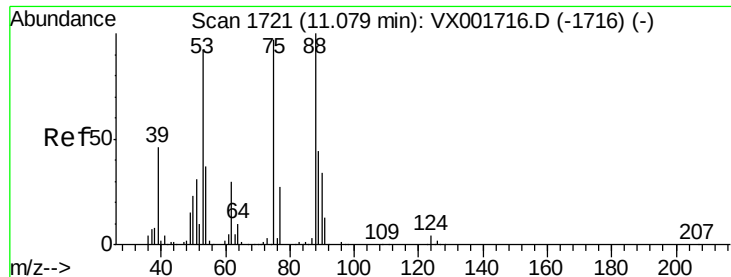
77 1.3 18.9 56.7#



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: 76.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001831.D

Acq: 18 May 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 97176

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#

