

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX051818\
 Data File : VX001827.D
 Acq On : 18 May 2018 15:47
 Operator : JC/MD
 Sample : J2853-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:23:38 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	293321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	413674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	180392	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	218031	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
35) Dibromofluoromethane	5.51	113	186720	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	8.72	98	667884	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	11.14	95	192682	42.80	ug/l	0.00
Spiked Amount			Recovery	=	85.60%	

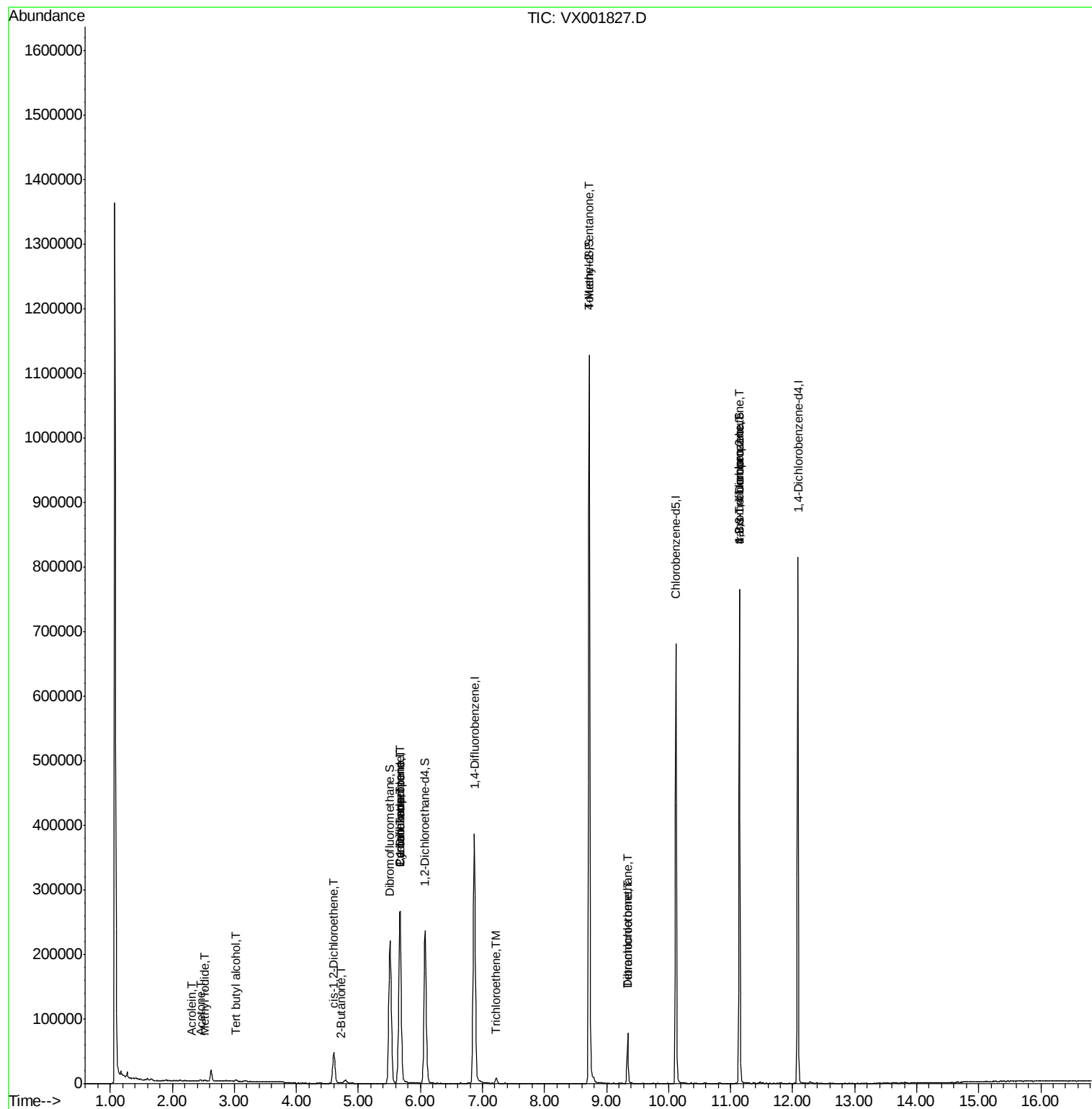
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1161	Below Cal	#	72
10) Methyl Iodide	2.52	142	1346	0.49	ug/l #	91
11) Tert butyl alcohol	3.02	59	1888	2.70	ug/l #	81
13) Acrolein	2.30	56	129	0.26	ug/l #	28
16) Acetone	2.45	43	2110	1.37	ug/l	95
25) 2-Butanone	4.72	43	493	0.21	ug/l #	51
27) cis-1,2-Dichloroethene	4.60	96	31770	8.74	ug/l	92
31) Cyclohexane	5.66	56	4314	0.87	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16739	3.52	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23665	4.74	ug/l #	16
44) Trichloroethene	7.22	130	3476	0.80	ug/l	98
51) 4-Methyl-2-Pentanone	8.72	43	2739	0.56	ug/l #	1
60) Dibromochloromethane	9.34	129	14850	4.21	ug/l #	11
64) Tetrachloroethene	9.34	164	18257	4.22	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	89447	26.08	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	89447	75.88	ug/l #	10

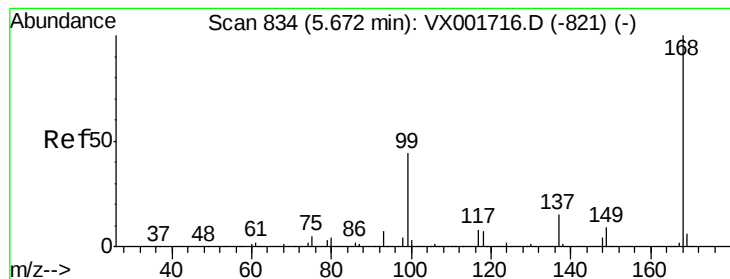
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
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: VX001827.D

Acq: 18 May 2018 15:47

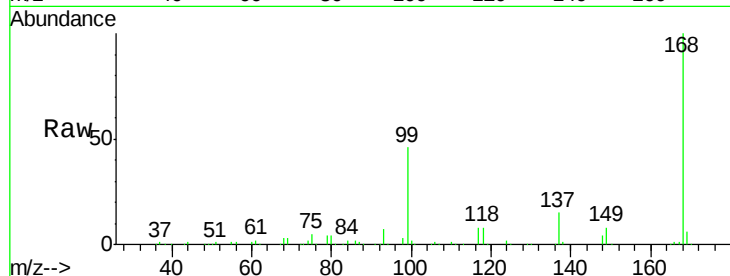
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 293321

Ion Ratio Lower Upper

168 100

99 45.6 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

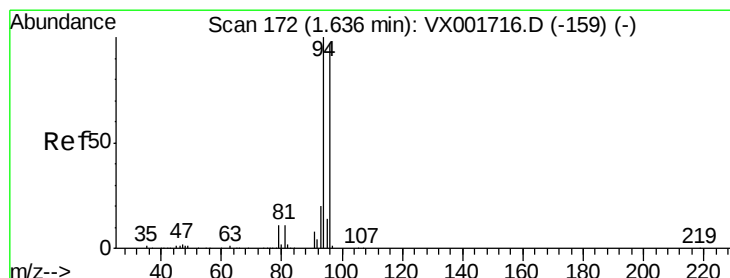
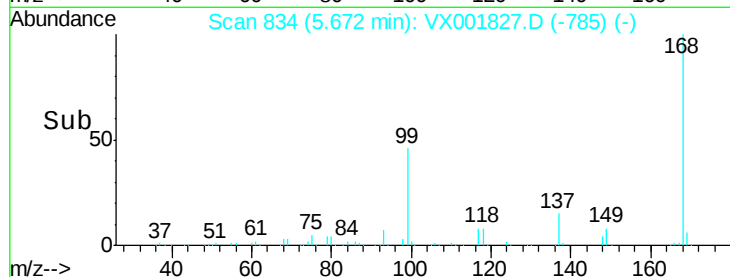
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001827.D

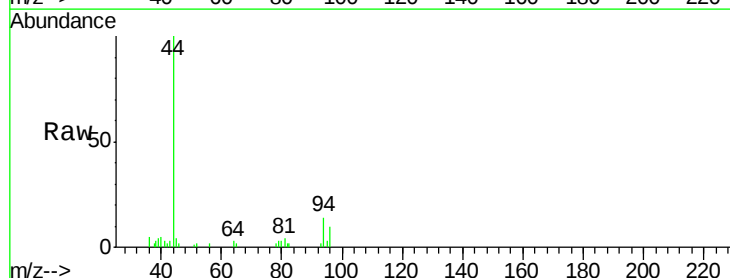
Acq: 18 May 2018 15:47

Tgt Ion: 94 Resp: 1161

Ion Ratio Lower Upper

94 100

96 69.2 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

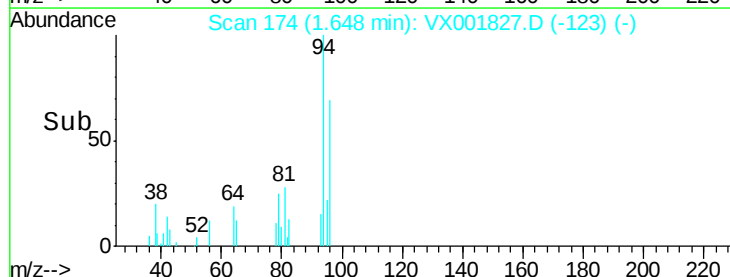
300

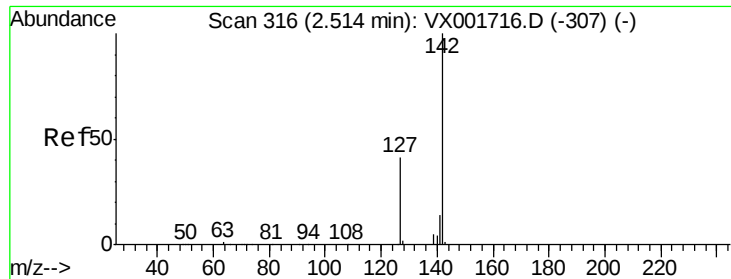
200

100

0

Time--> 1.60 1.65 1.70

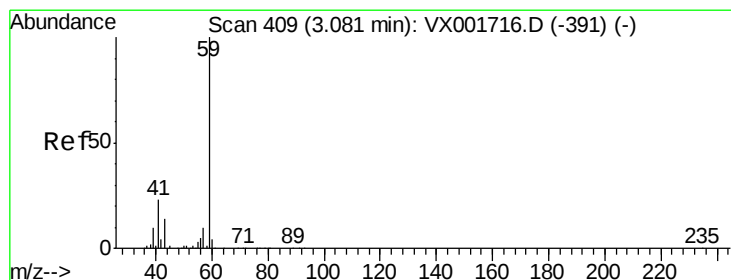
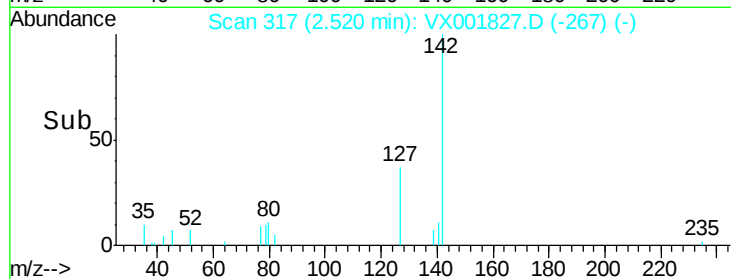
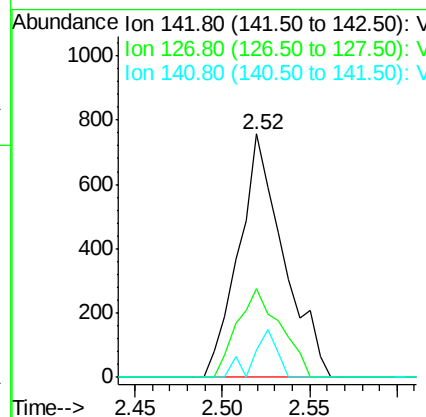
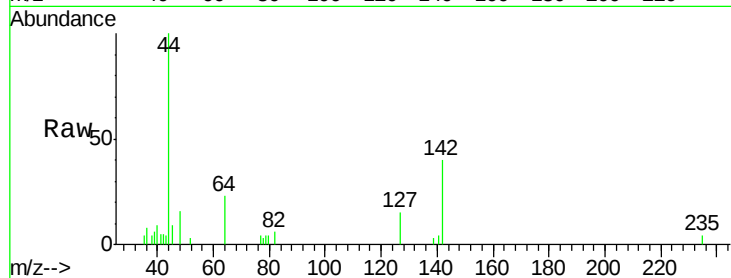




#10
Methyl Iodide
Concen: 0.49 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001827.D
Acq: 18 May 2018 15:47

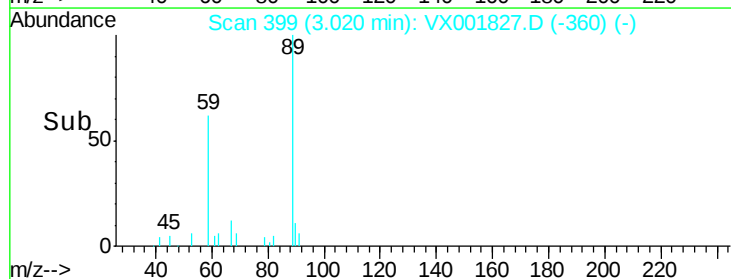
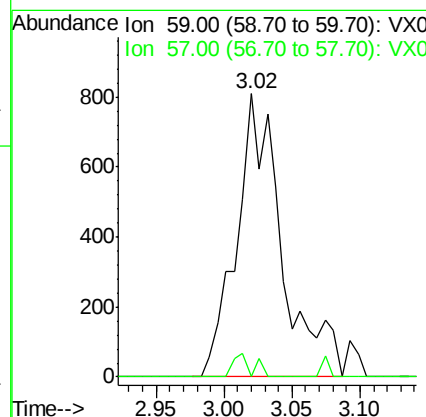
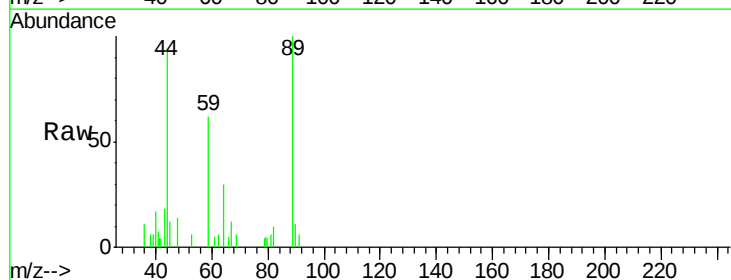
Instrument :
MSVOA_X
ClientSampleId :

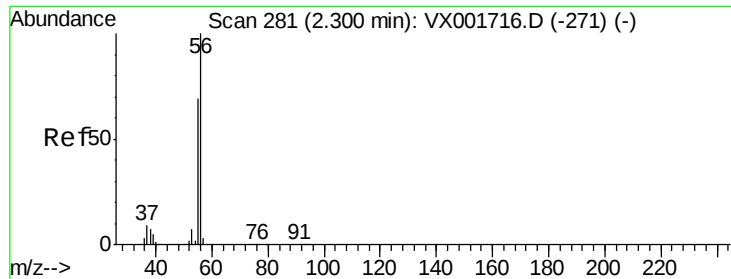
Tot Ion:142 Resp: 1346
Ion Ratio Lower Upper
142 100
127 35.1 32.5 48.7
141 10.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.70 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX001827.D
Acq: 18 May 2018 15:47

Tgt Ion: 59 Resp: 1888
Ion Ratio Lower Upper
59 100
57 3.3 8.5 12.7#





#13

Acrolein

Concen: 0.26 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

Instrument :

MSVOA_X

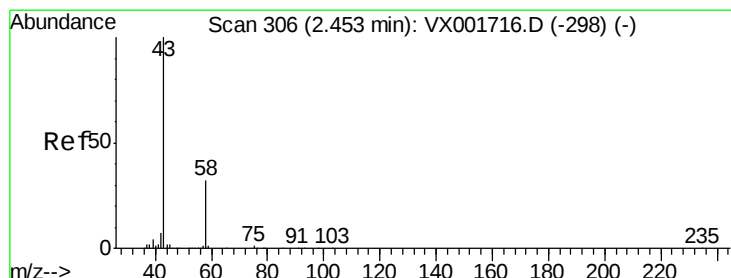
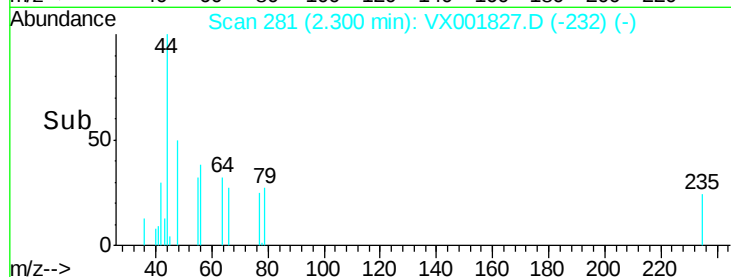
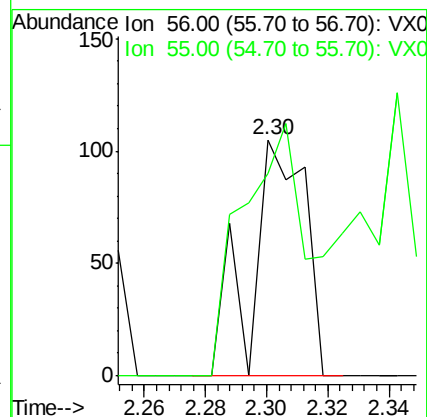
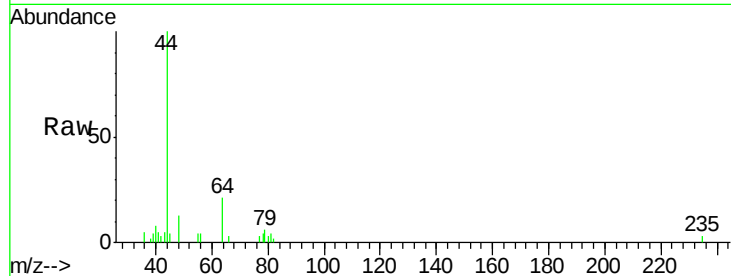
ClientSampleId :

Tot Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 129.5 56.2 84.2#



#16

Acetone

Concen: 1.37 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001827.D

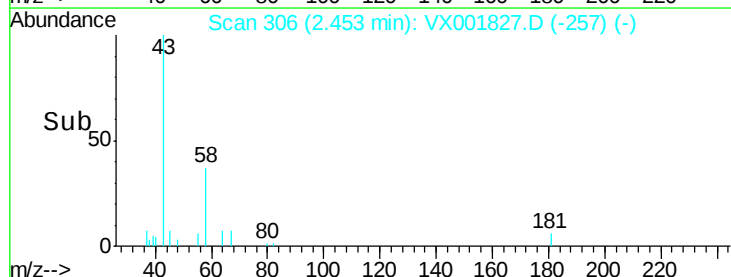
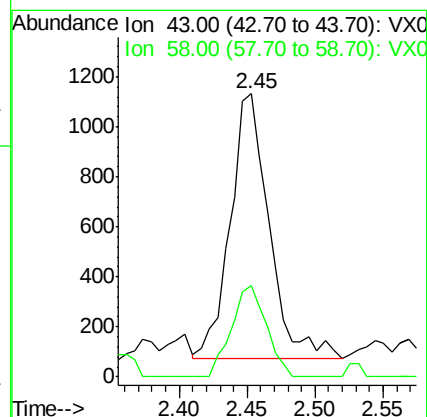
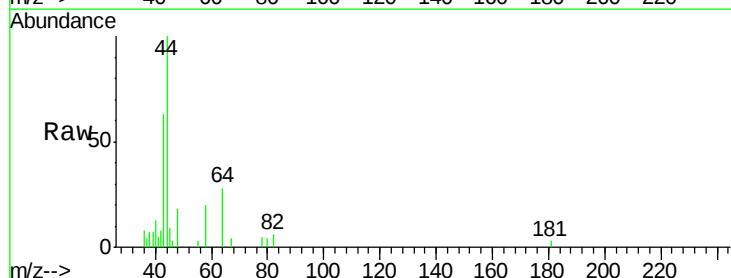
Acq: 18 May 2018 15:47

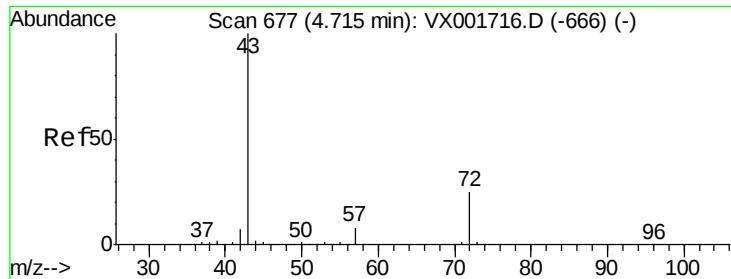
Tgt Ion: 43 Resp: 2110

Ion Ratio Lower Upper

43 100

58 34.5 25.3 37.9





#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

Instrument :

MSVOA_X

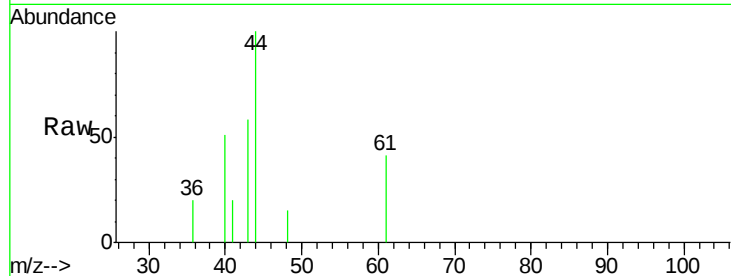
ClientSampled :

Tot Ion: 43 Resp: 493

Ion Ratio Lower Upper

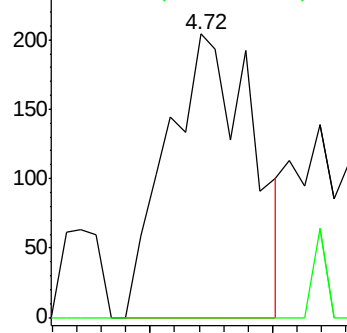
43 100

72 0.0 19.8 29.6#

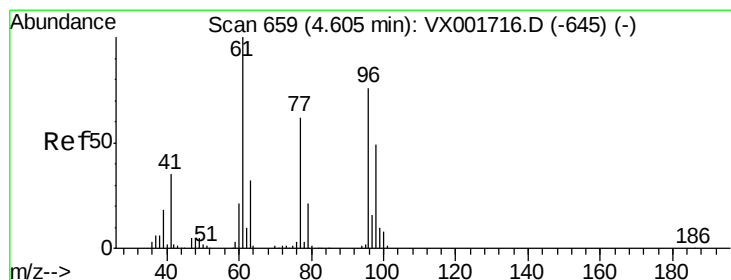
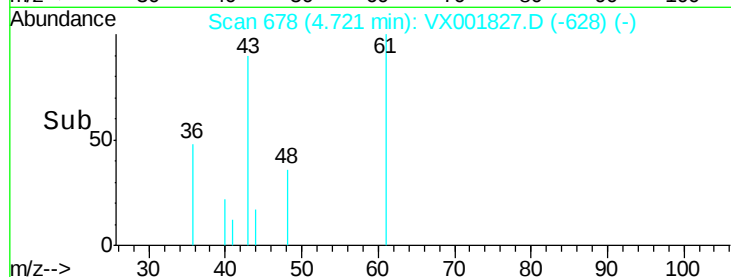


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 8.74 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

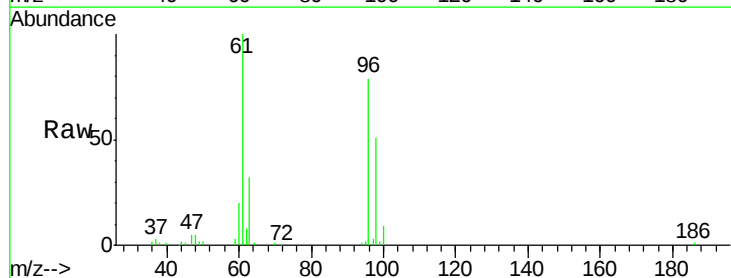
Tgt Ion: 96 Resp: 31770

Ion Ratio Lower Upper

96 100

61 126.5 0.0 280.4

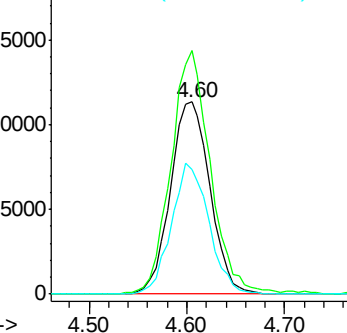
98 64.3 0.0 128.4



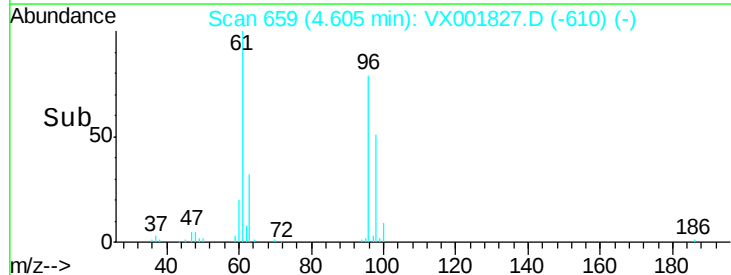
Abundance Ion 95.90 (95.60 to 96.60): VX0

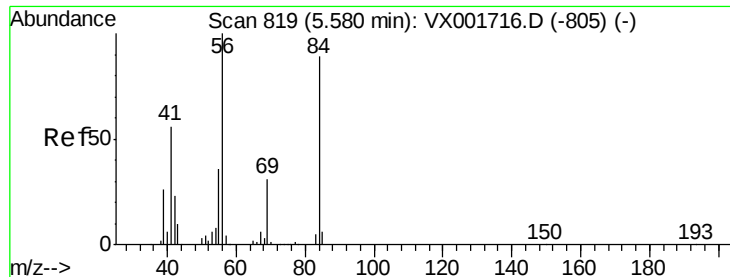
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





#31

Cyclohexane

Concen: 0.87 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

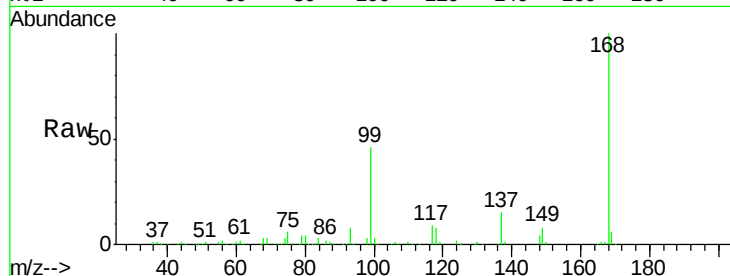
Tot Ion: 56 Resp: 4314

Ion Ratio Lower Upper

56 100

69 193.9 25.0 37.6#

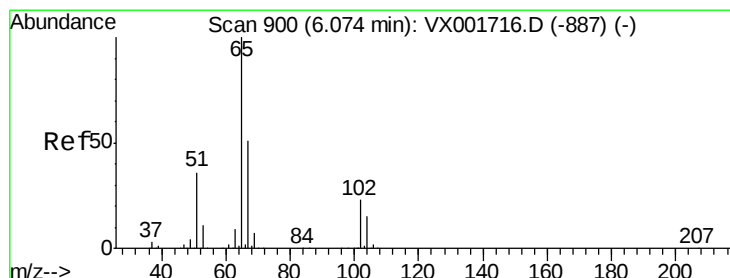
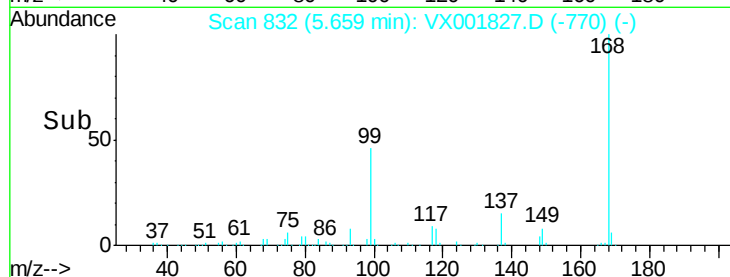
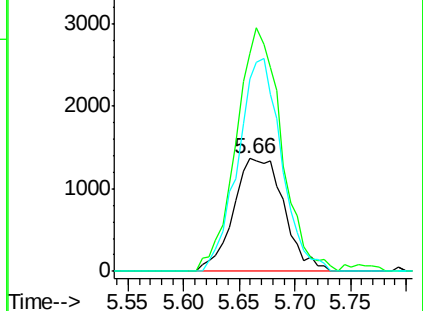
84 171.1 71.0 106.4#



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: 55.46 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001827.D

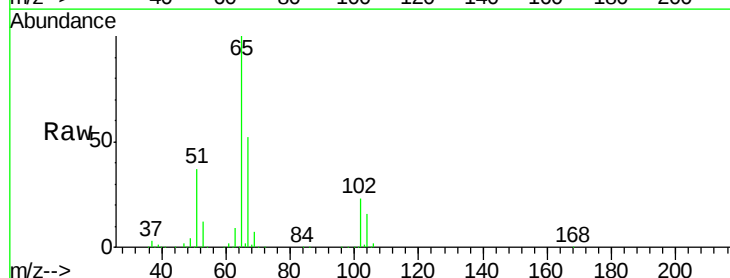
Acq: 18 May 2018 15:47

Tgt Ion: 65 Resp: 218031

Ion Ratio Lower Upper

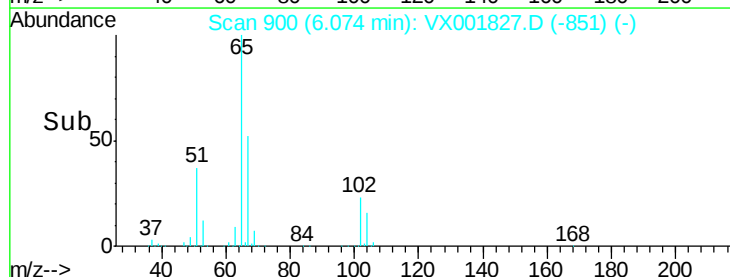
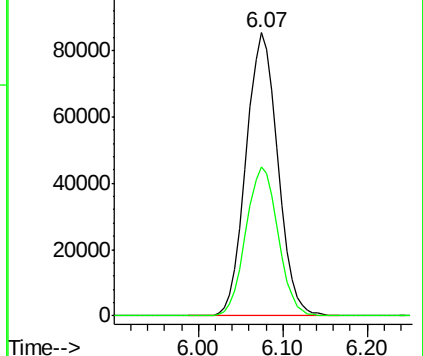
65 100

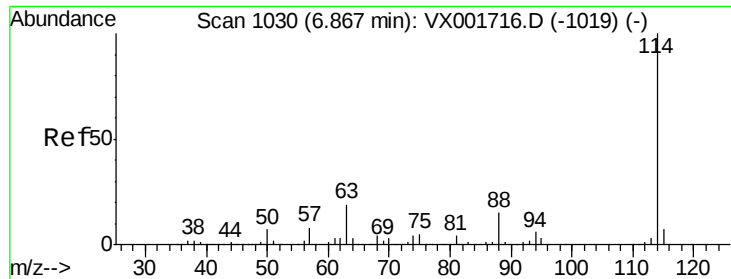
67 53.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

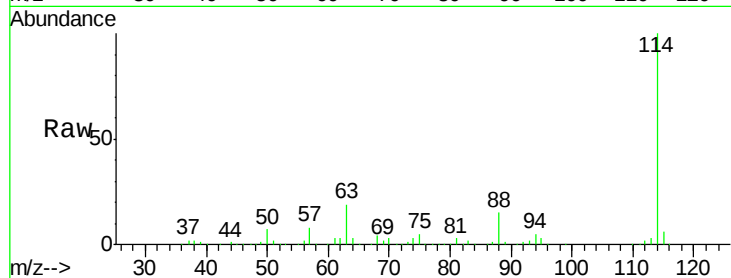




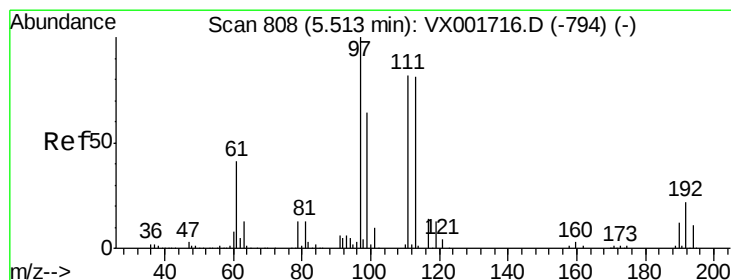
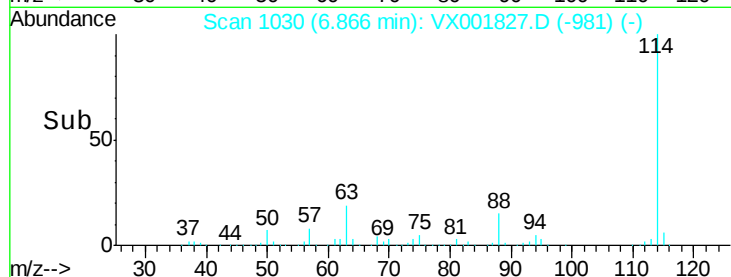
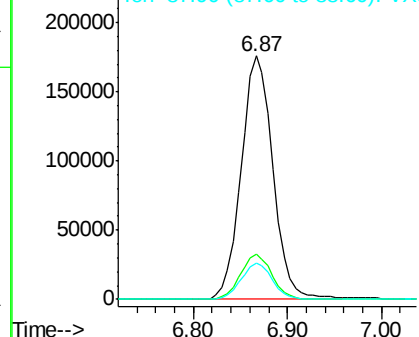
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001827.D
 Acq: 18 May 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 413674
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.0
 88 15.1 0.0 29.8

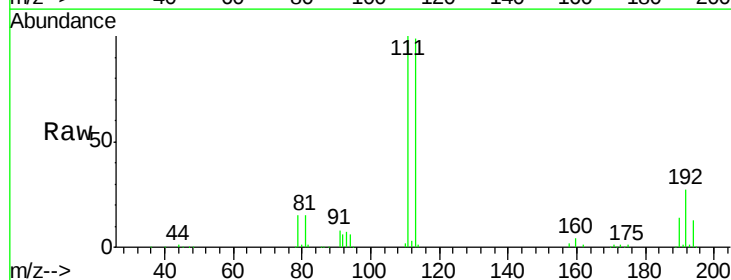


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

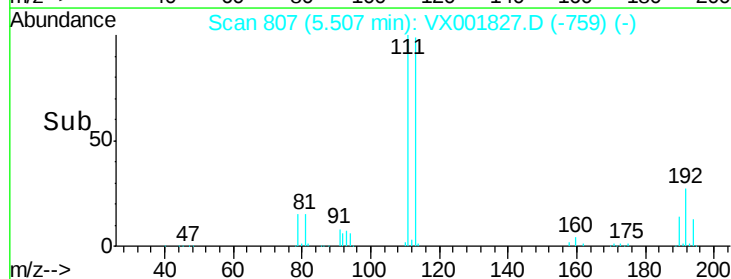
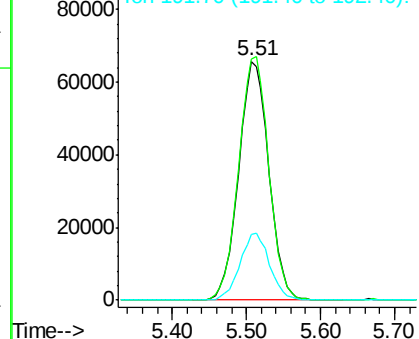


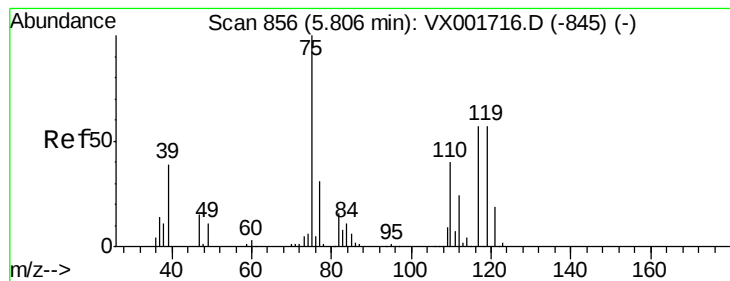
#35
 Dibromofluoromethane
 Concen: 53.49 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001827.D
 Acq: 18 May 2018 15:47

Tgt Ion:113 Resp: 186720
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 27.4 21.6 32.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.52 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

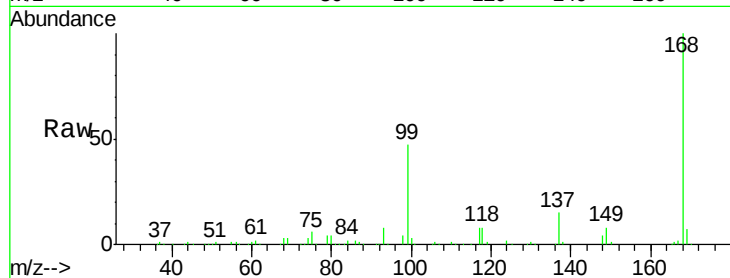
Tot Ion: 75 Resp: 16739

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.1#

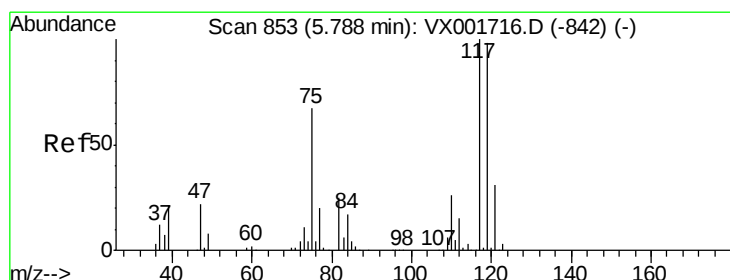
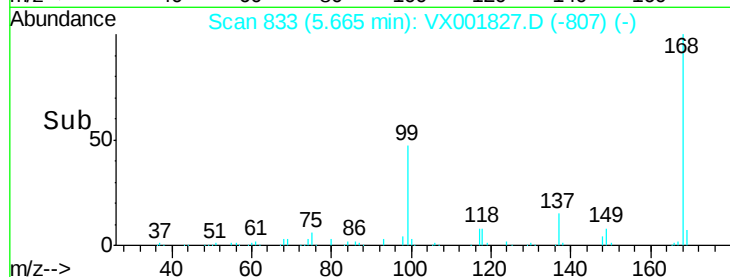
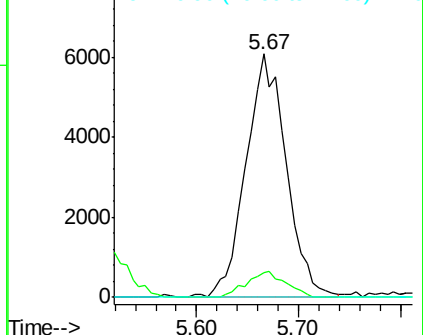
77 0.0 24.6 37.0#



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# 834

Delta R.T. -0.12 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

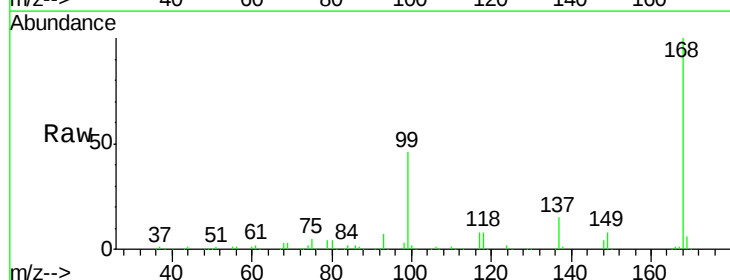
Tgt Ion: 117 Resp: 23665

Ion Ratio Lower Upper

117 100

119 5.1 77.6 116.4#

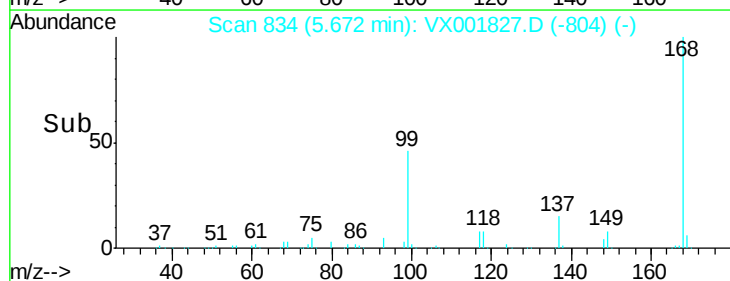
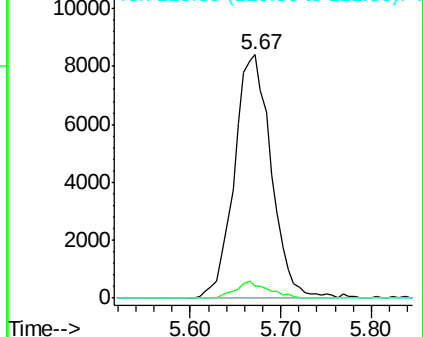
121 0.0 24.6 36.8#

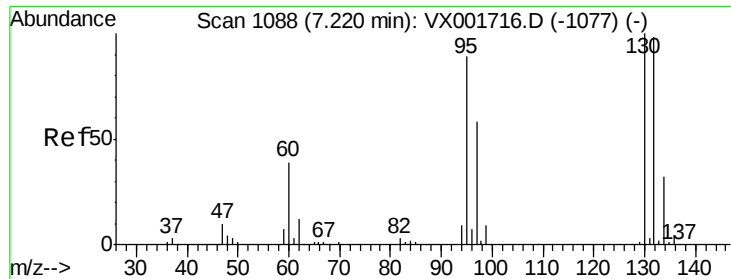


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

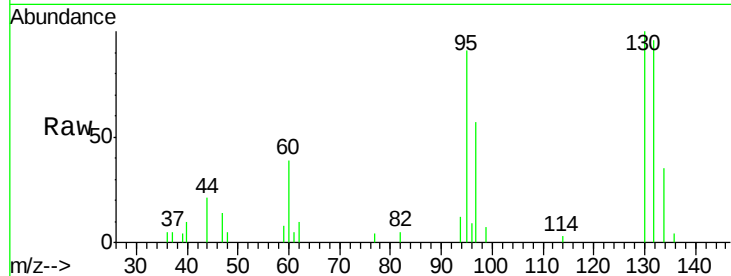




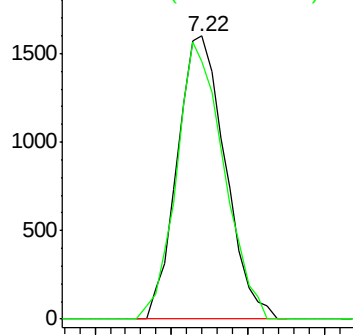
#44
 Trichloroethene
 Concen: 0.80 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001827.D
 Acq: 18 May 2018 15:47

Instrument :
 MSVOA_X
 ClientSampleId :

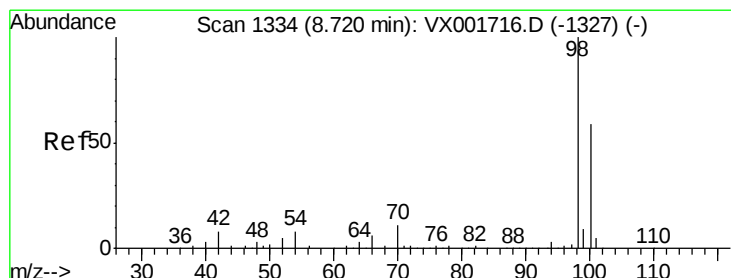
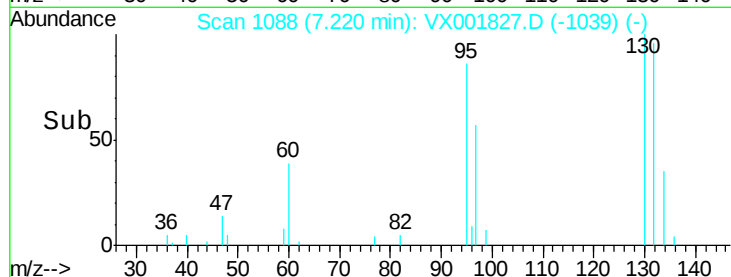
Tot Ion:130 Resp: 3476
 Ion Ratio Lower Upper
 130 100
 95 90.9 0.0 177.2



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

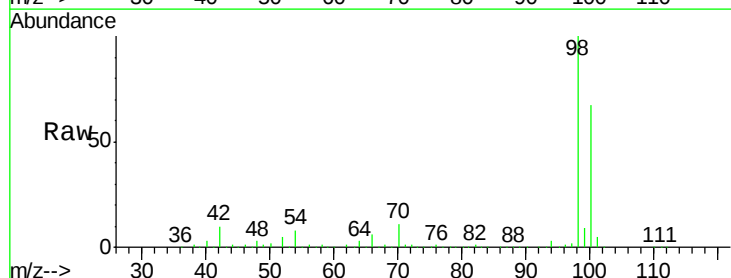


Time-->

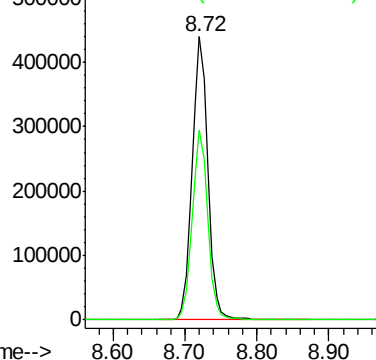


#50
 Toluene-d8
 Concen: 53.42 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX001827.D
 Acq: 18 May 2018 15:47

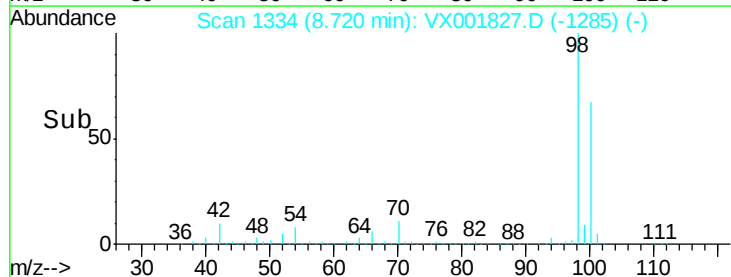
Tgt Ion: 98 Resp: 667884
 Ion Ratio Lower Upper
 98 100
 100 66.6 54.0 81.0

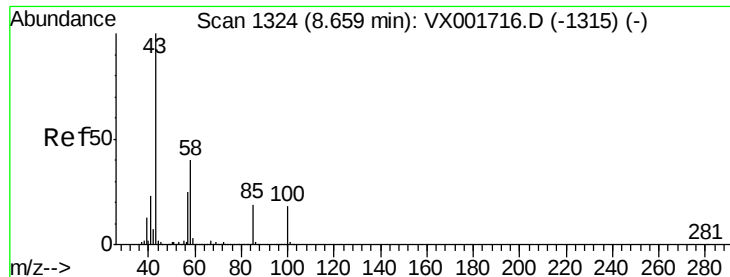


Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V



Time-->

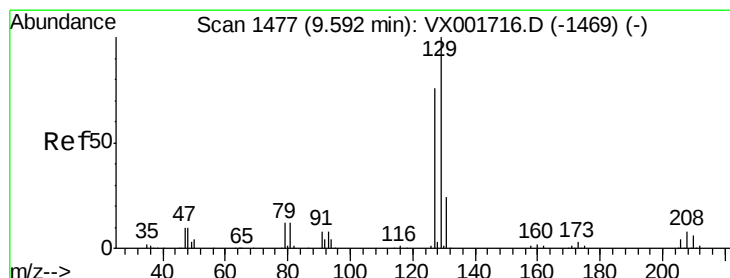
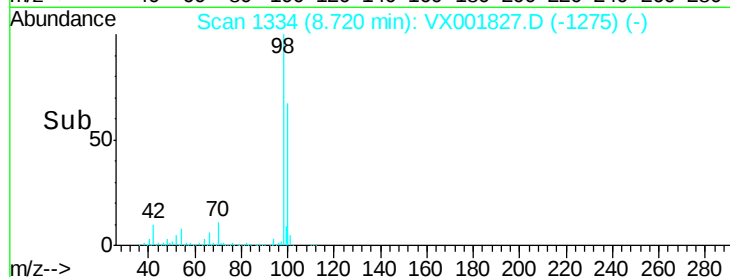
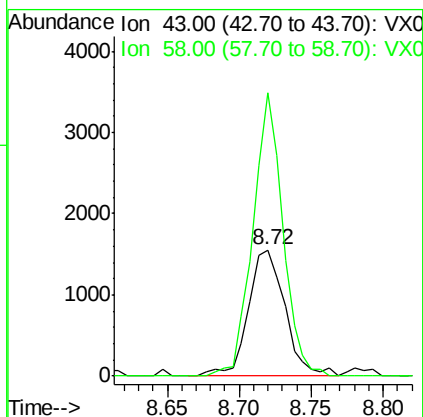
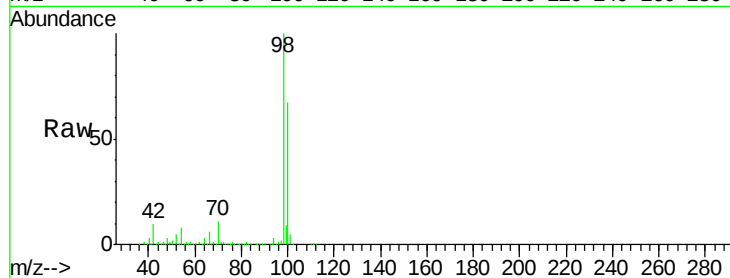




#51
 4-Methyl-2-Pentanone
 Concen: 0.56 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.06 min
 Lab File: VX001827.D
 Acq: 18 May 2018 15:47

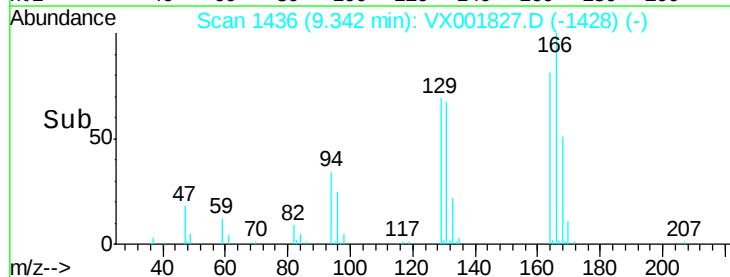
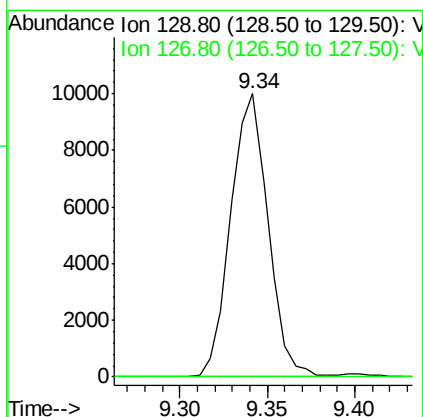
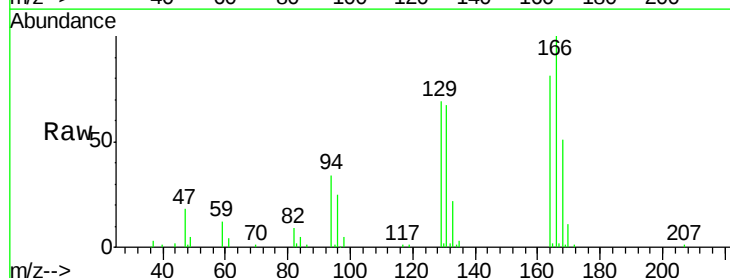
Instrument :
 MSVOA_X
 ClientSampleId :

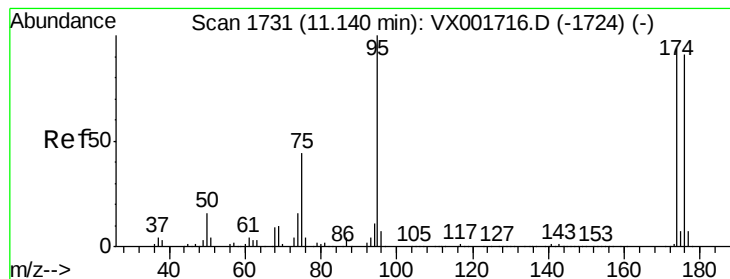
Tot Ion: 43 Resp: 2739
 Ion Ratio Lower Upper
 43 100
 58 182.6 31.4 47.0#



#60
 Dibromochloromethane
 Concen: 4.21 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001827.D
 Acq: 18 May 2018 15:47

Tgt Ion: 129 Resp: 14850
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#





#62

4-Bromofluorobenzene

Concen: 42.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

Instrument :

MSVOA_X

ClientSampleId :

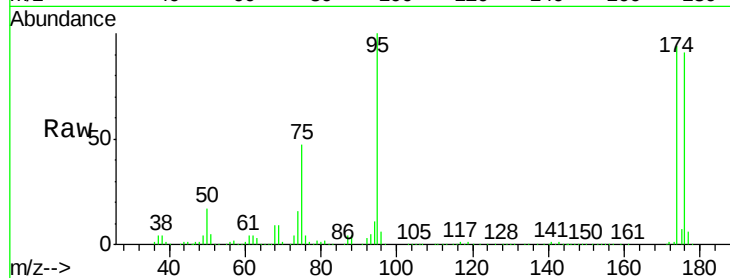
Tot Ion: 95 Resp: 192682

Ion Ratio Lower Upper

95 100

174 102.7 0.0 201.8

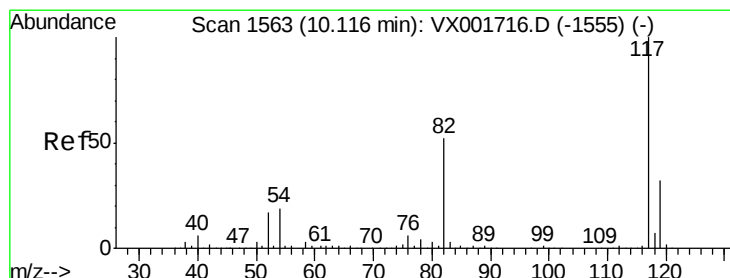
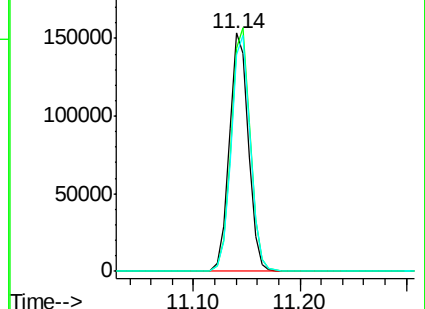
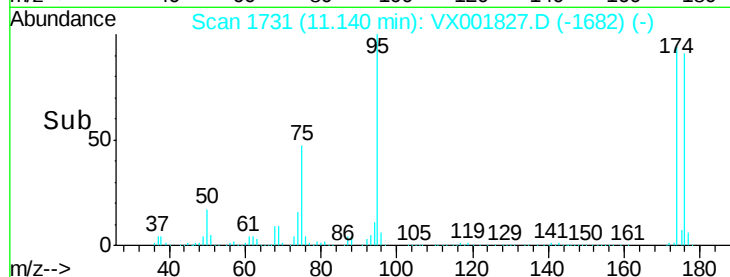
176 99.4 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001827.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001827.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001827.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

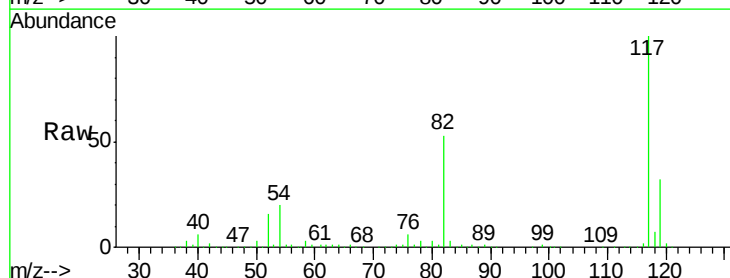
Tgt Ion: 117 Resp: 332273

Ion Ratio Lower Upper

117 100

82 53.4 41.4 62.2

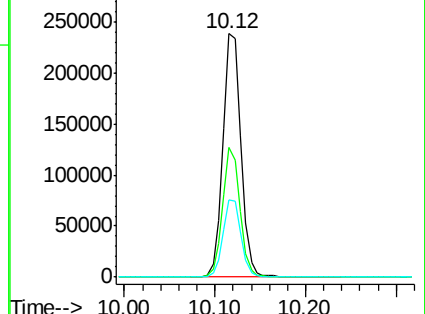
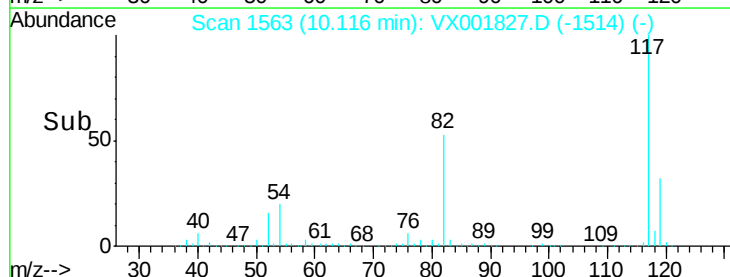
119 31.9 25.6 38.4

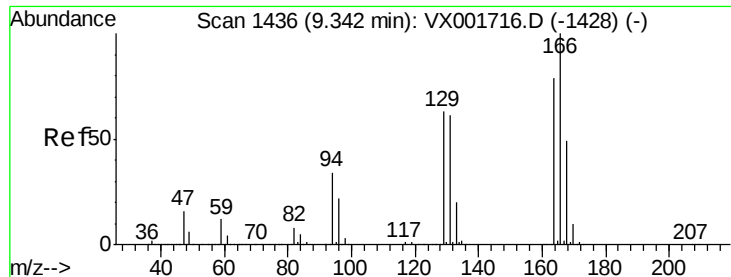


Abundance Ion 116.90 (116.60 to 117.60): VX001827.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001827.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001827.D (-1514) (-)

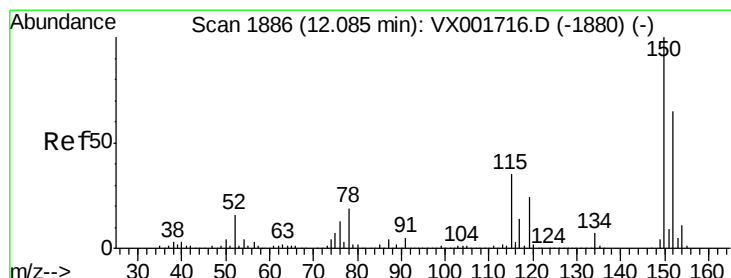
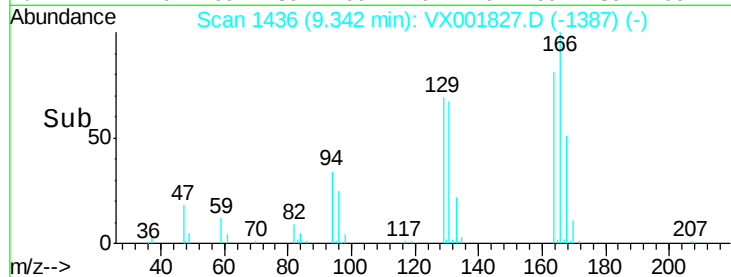
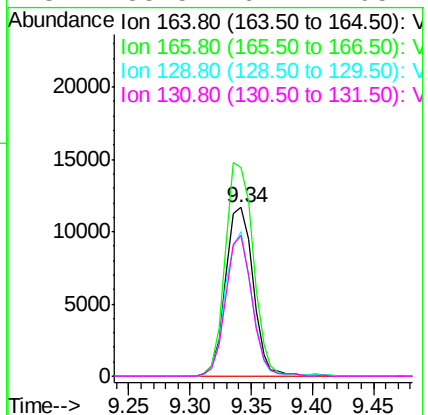
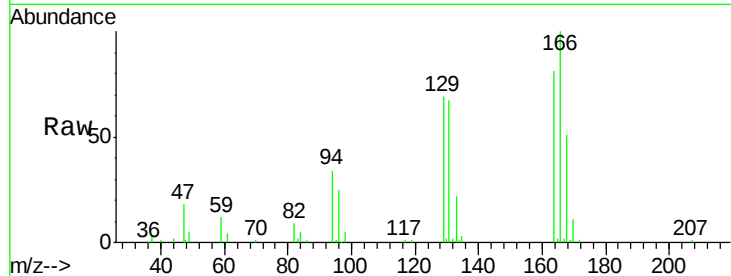




#64
Tetrachloroethene
Concen: 4.22 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001827.D
Acq: 18 May 2018 15:47

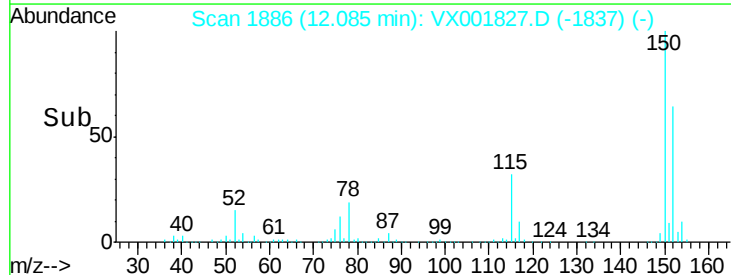
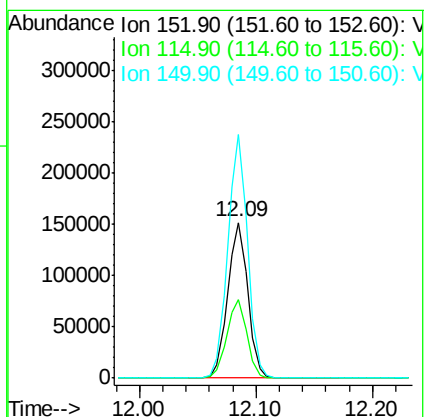
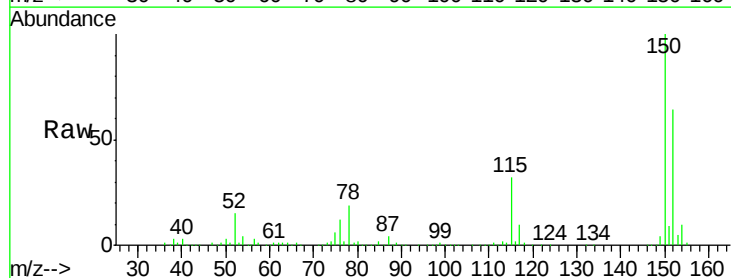
Instrument :
MSVOA_X
ClientSampleId :

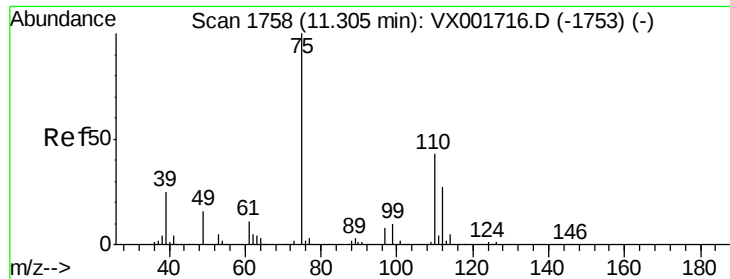
Tot Ion	Ratio	Lower	Upper
164	100		
166	123.9	101.8	152.8
129	85.6	63.8	95.6
131	83.5	62.2	93.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001827.D
Acq: 18 May 2018 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.6	37.4	112.2
150	154.4	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 26.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

Instrument :

MSVOA_X

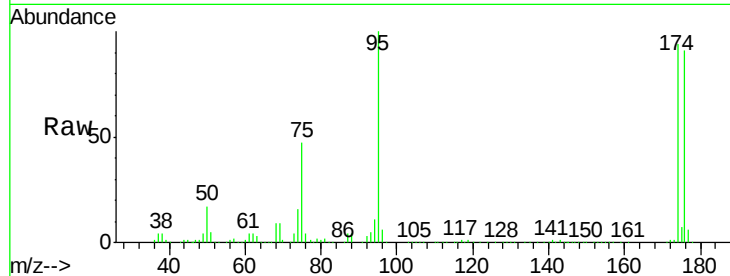
ClientSampled :

Tot Ion: 75 Resp: 89447

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

11.14

80000

60000

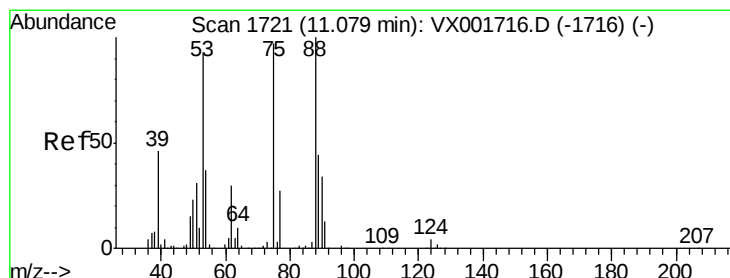
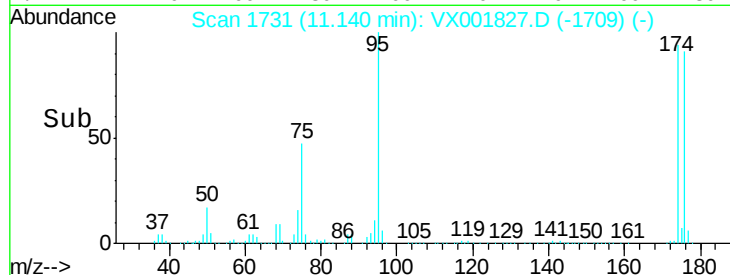
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 75.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001827.D

Acq: 18 May 2018 15:47

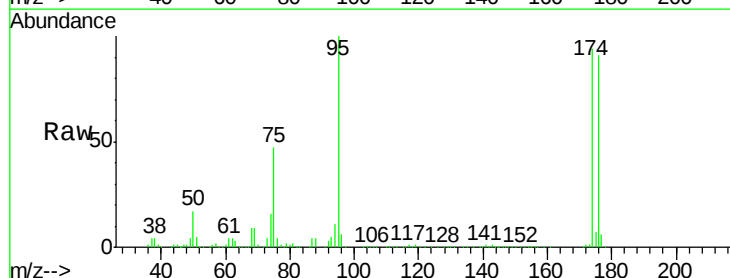
Tgt Ion: 75 Resp: 89447

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

100000

80000

60000

40000

20000

0

Time-->

11.10 11.20

