

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002719.D
 Acq On : 19 Jun 2018 18:04
 Operator : JC/MD
 Sample : J3516-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 01:03:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	292027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	262918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137086	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	152904	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	5.51	113	119207	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	8.72	98	452627	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.14	95	151193	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

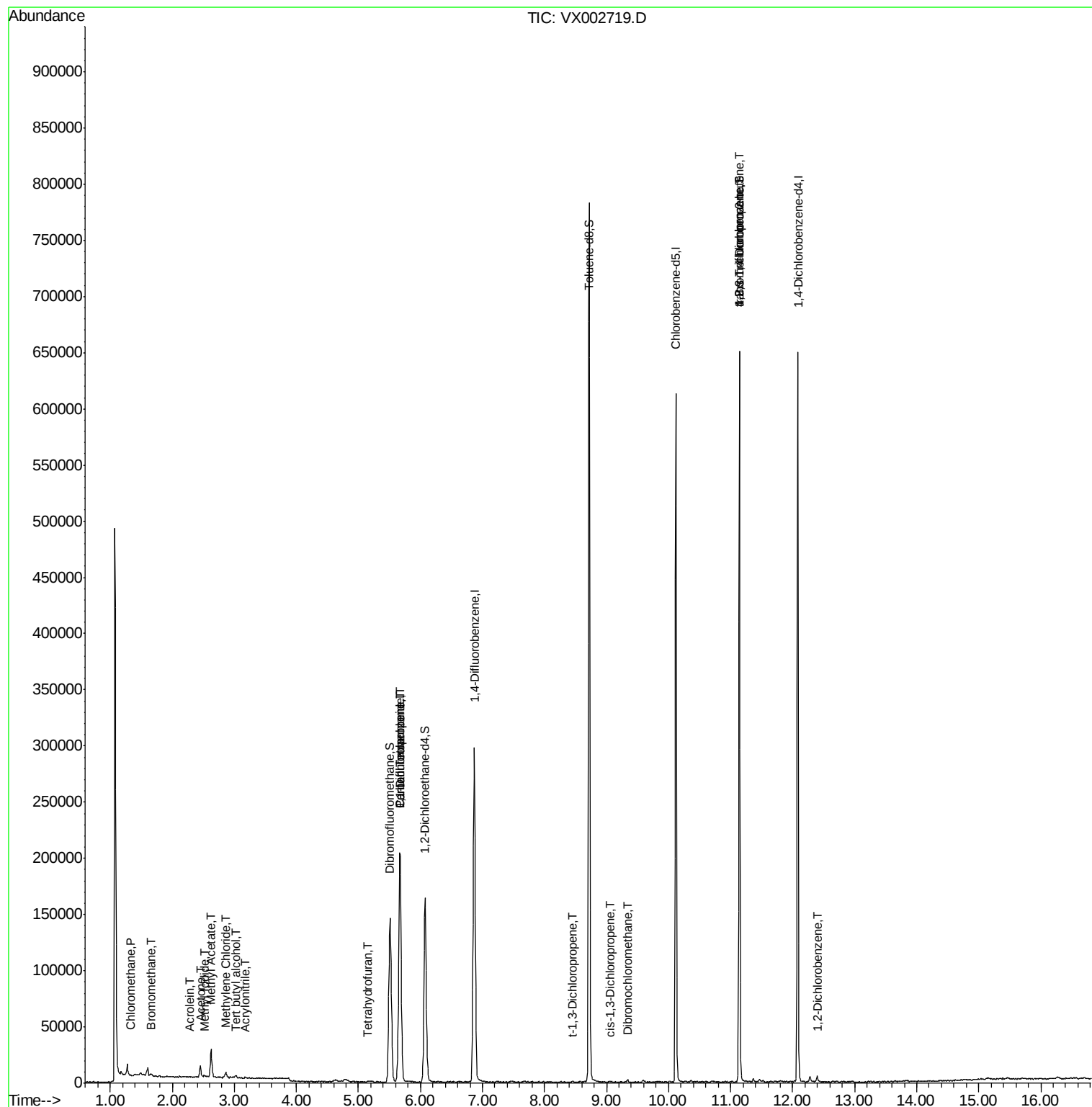
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	628	0.24	ug/l #	79
5) Bromomethane	1.65	94	1485	0.91	ug/l #	57
10) Methyl Iodide	2.53	142	1511	5.59	ug/l #	85
11) Tert butyl alcohol	3.03	59	1344	2.08	ug/l #	77
13) Acrolein	2.28	56	160	7.38	ug/l #	64
15) Acrylonitrile	3.17	53	298	0.21	ug/l #	52
16) Acetone	2.45	43	10652	7.73	ug/l	93
18) Methyl Acetate	2.63	43	7415	2.02	ug/l #	55
20) Methylene Chloride	2.86	84	1912	0.68	ug/l #	89
29) Tetrahydrofuran	5.15	42	261	0.22	ug/l #	36
36) 1,1-Dichloropropene	5.67	75	14376	4.64	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18433	5.97	ug/l #	16
53) t-1,3-Dichloropropene	8.45	75	23	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.05	75	160	3.25	ug/l #	72
60) Dibromochloromethane	9.34	129	96	3.79	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	80554	31.14	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	80554	95.49	ug/l #	7
91) 1,2-Dichlorobenzene	12.40	146	1103	0.23	ug/l	94

(#) = 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: VX002719.D

Acq: 19 Jun 2018 18:04

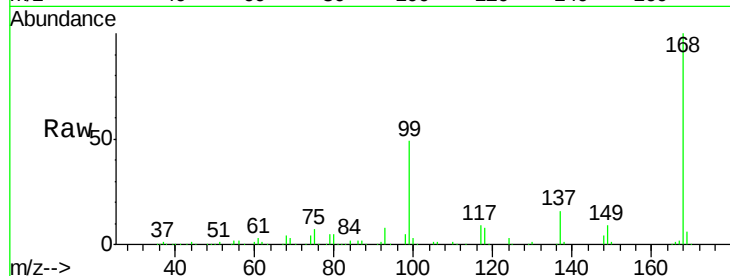
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 205654

Ion Ratio Lower Upper

168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

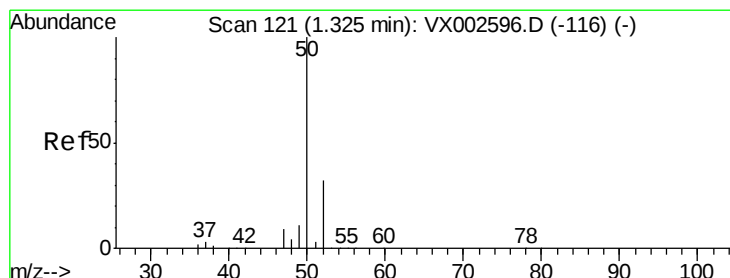
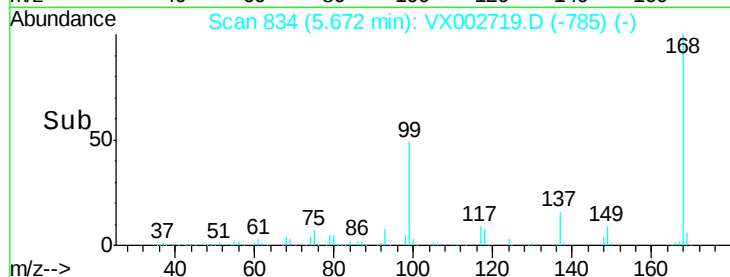
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002719.D

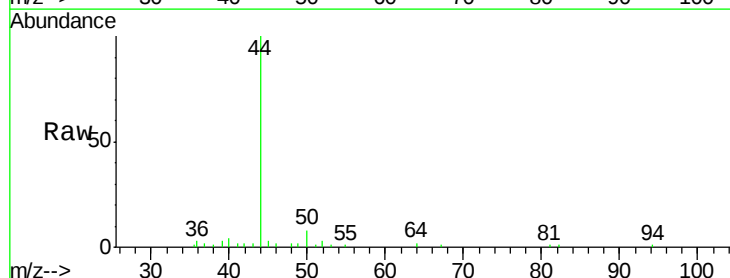
Acq: 19 Jun 2018 18:04

Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

50 100

52 20.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

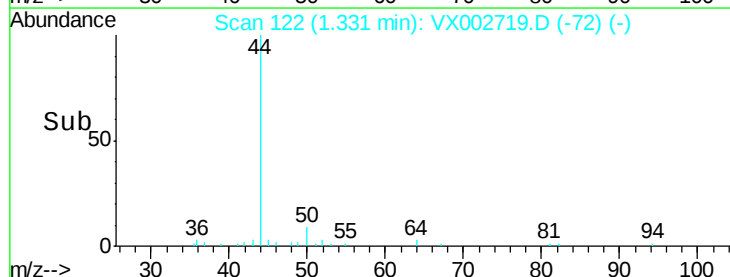
300

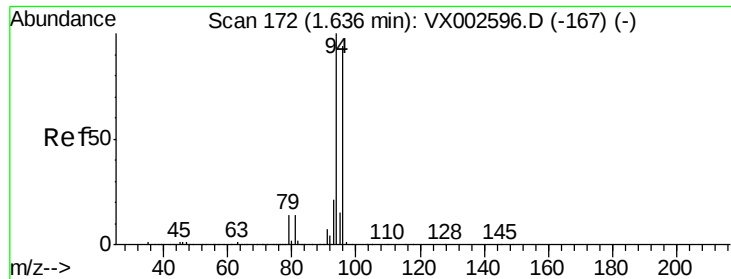
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.91 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Instrument :

MSVOA_X

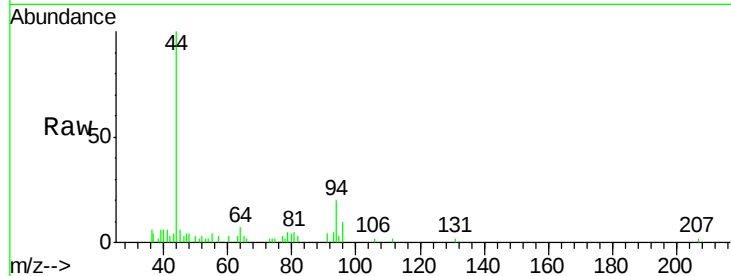
ClientSampleId :

Tot Ion: 94 Resp: 1485

Ion Ratio Lower Upper

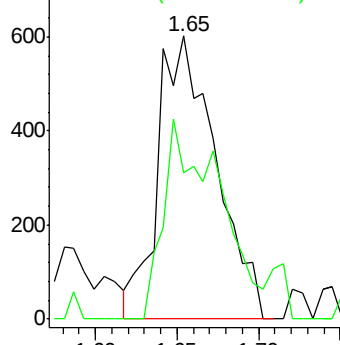
94 100

96 51.8 74.9 112.3#

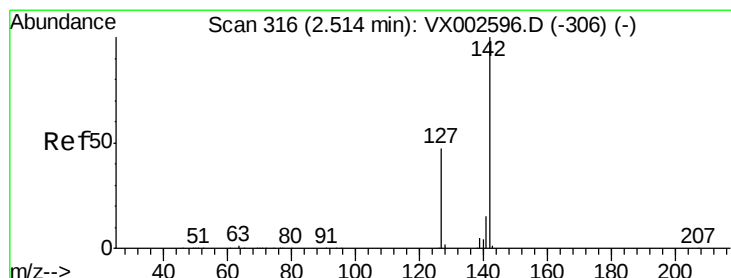
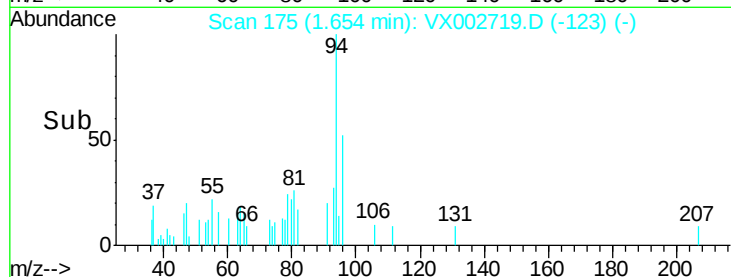


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 5.59 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

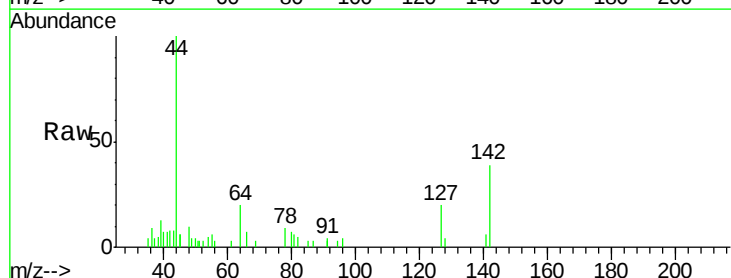
Tgt Ion:142 Resp: 1511

Ion Ratio Lower Upper

142 100

127 54.3 36.6 55.0

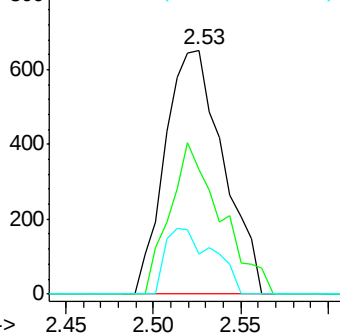
141 22.2 11.3 16.9#



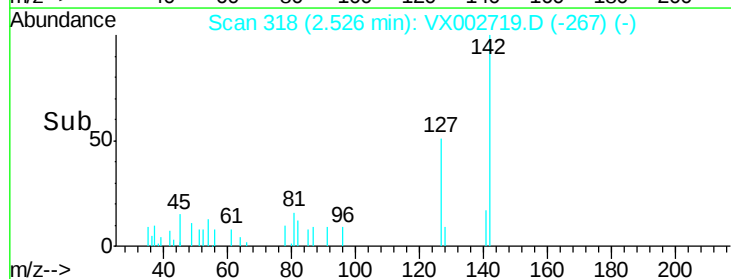
Abundance Ion 141.80 (141.50 to 142.50): V

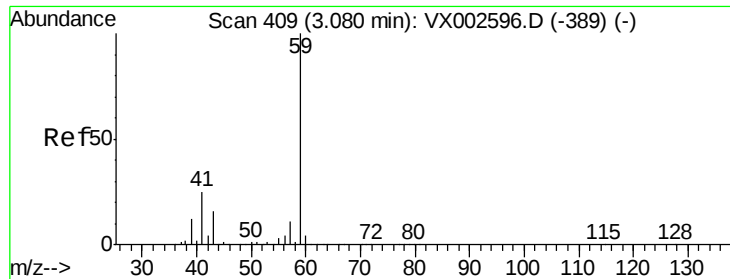
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



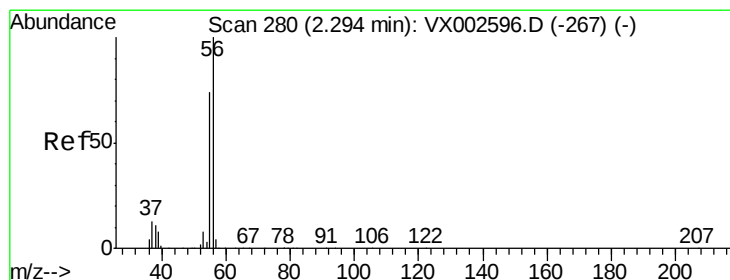
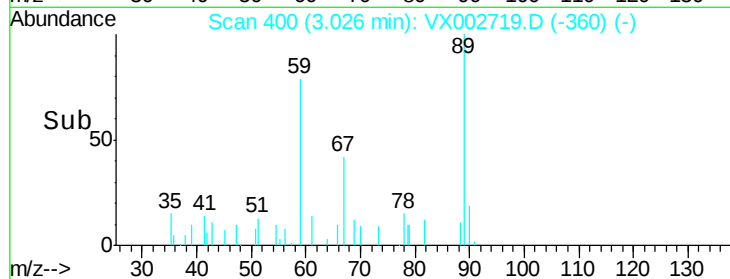
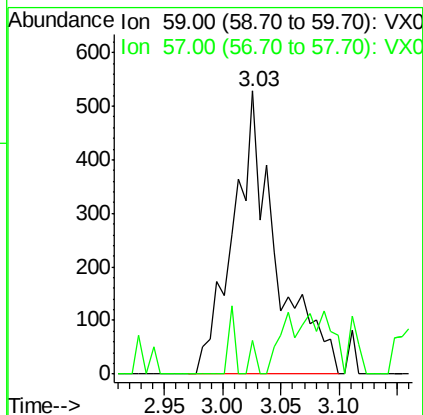
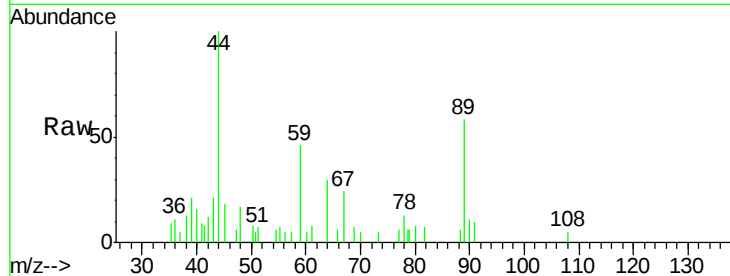


#11

Tert butyl alcohol
 Concen: 2.08 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX002719.D
 Acq: 19 Jun 2018 18:04

Instrument :
 MSVOA_X
 ClientSampled :

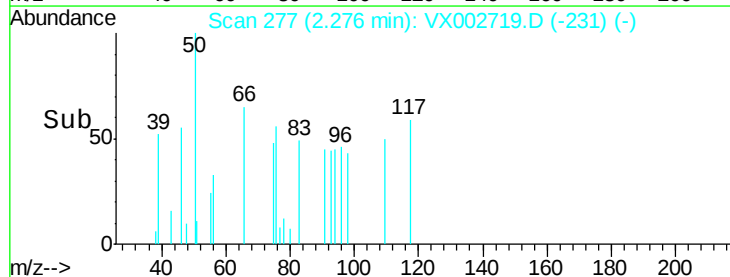
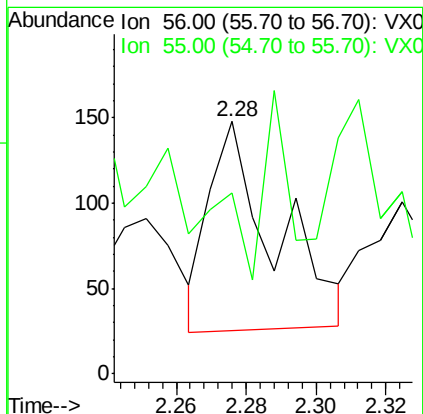
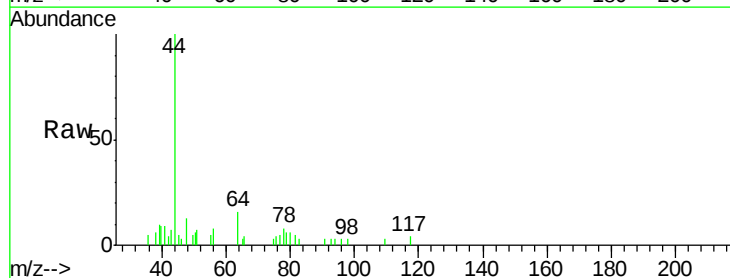
Tot Ion: 59 Resp: 1344
 Ion Ratio Lower Upper
 59 100
 57 1.7 8.2 12.2#

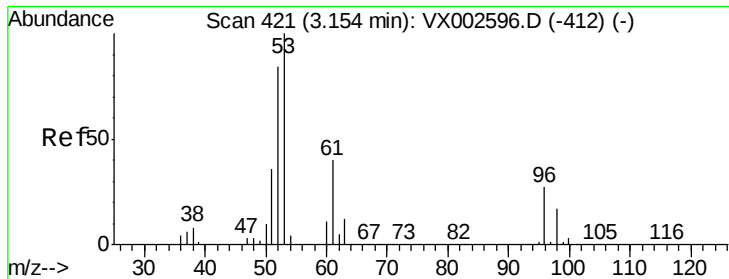


#13

Acrolein
 Concen: 7.38 ug/l
 RT: 2.28 min Scan# 277
 Delta R.T. -0.02 min
 Lab File: VX002719.D
 Acq: 19 Jun 2018 18:04

Tgt Ion: 56 Resp: 160
 Ion Ratio Lower Upper
 56 100
 55 41.3 57.0 85.4#





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Instrument :
MSVOA_X
ClientSampled :

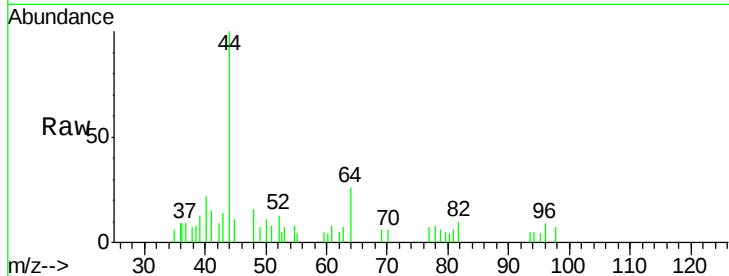
Tot Ion: 53 Resp: 298

Ion Ratio Lower Upper

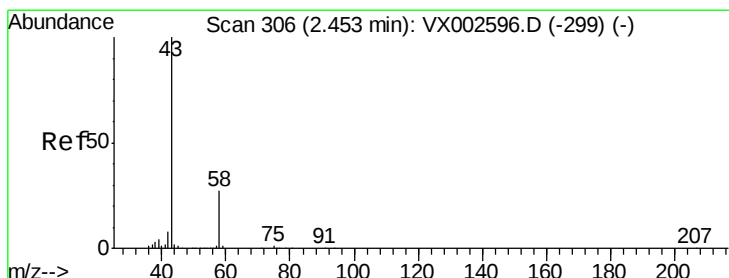
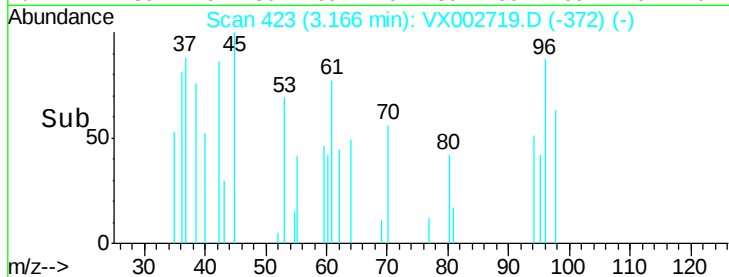
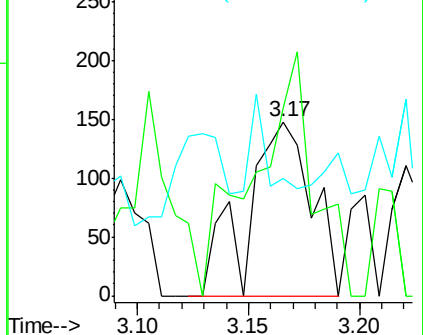
53 100

52 130.2 66.7 100.1#

51 13.8 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 7.73 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002719.D

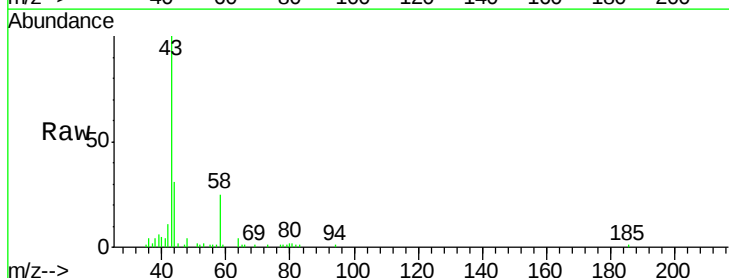
Acq: 19 Jun 2018 18:04

Tgt Ion: 43 Resp: 10652

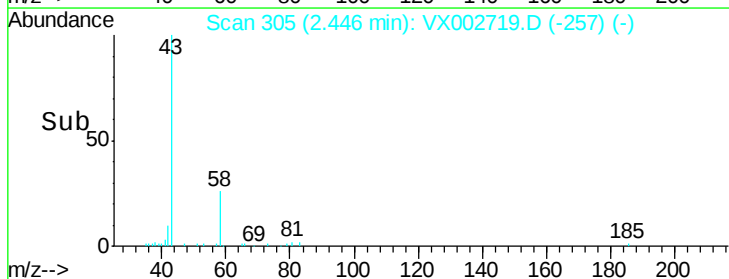
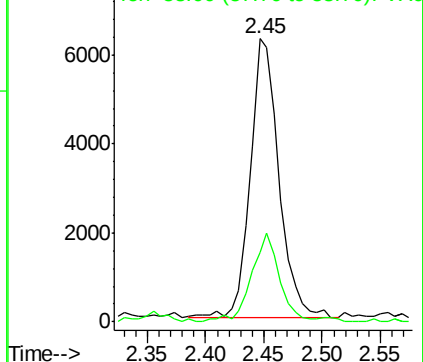
Ion Ratio Lower Upper

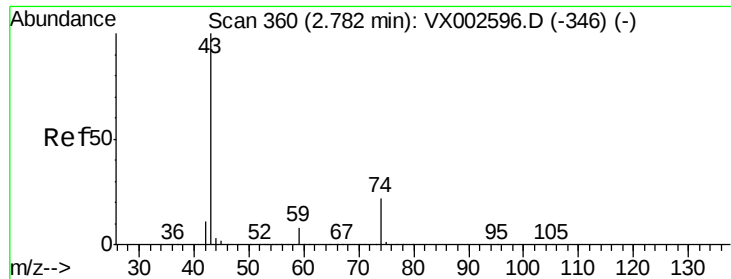
43 100

58 24.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 2.02 ug/l

RT: 2.63 min Scan# 335

Delta R.T. -0.15 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Instrument :

MSVOA_X

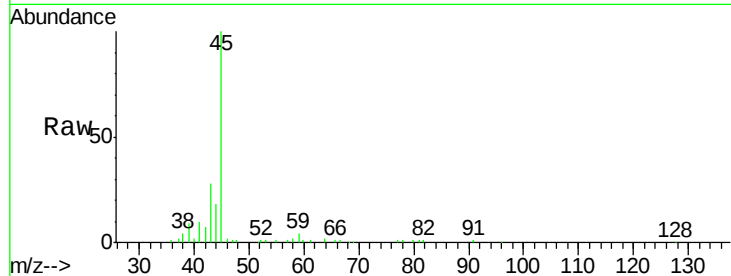
ClientSampleId :

Tot Ion: 43 Resp: 7415

Ion Ratio Lower Upper

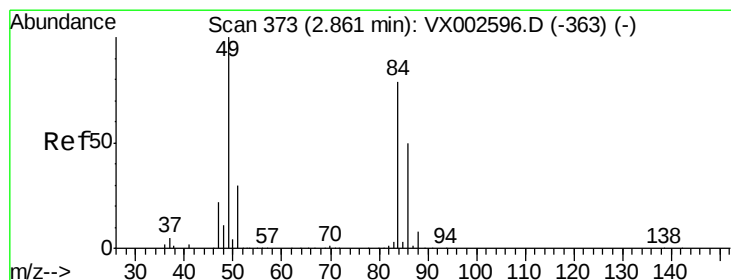
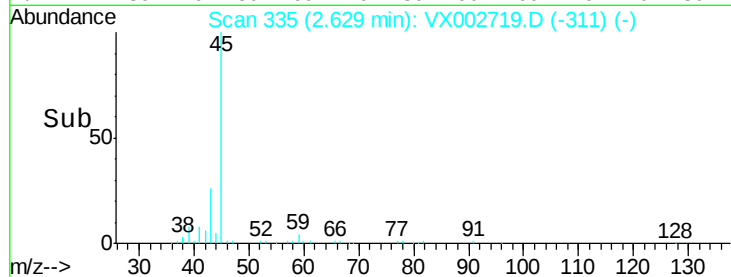
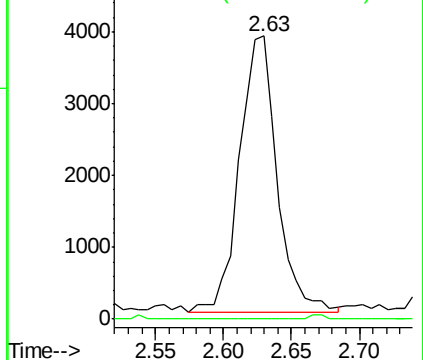
43 100

74 0.0 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.68 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Tgt Ion: 84 Resp: 1912

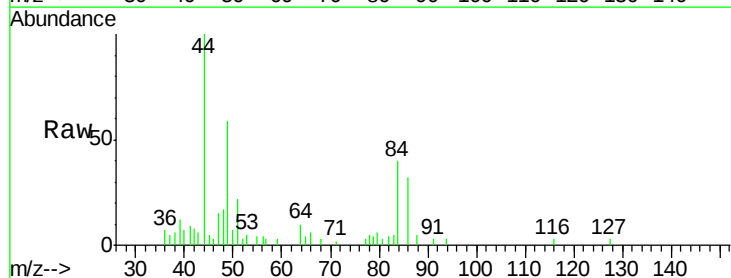
Ion Ratio Lower Upper

84 100

49 146.4 107.8 161.6

51 44.1 32.8 49.2

86 79.7 52.5 78.7#

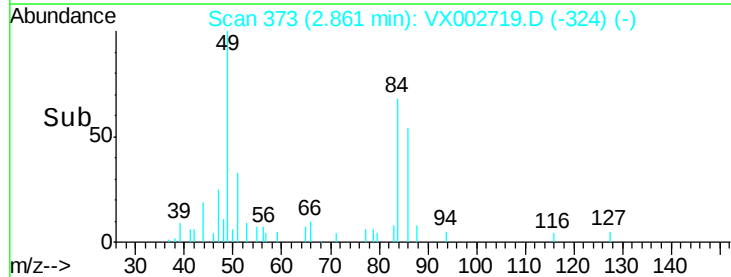
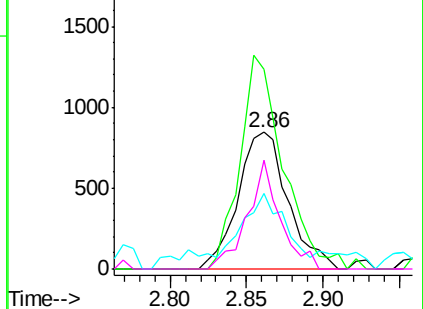


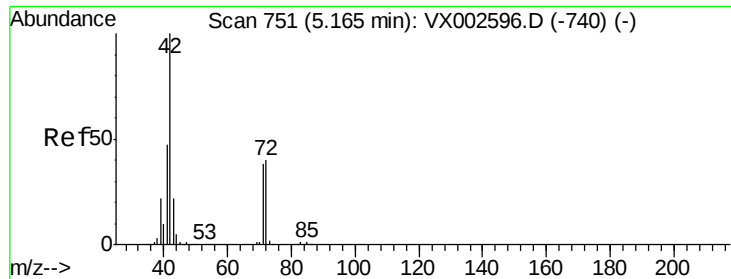
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

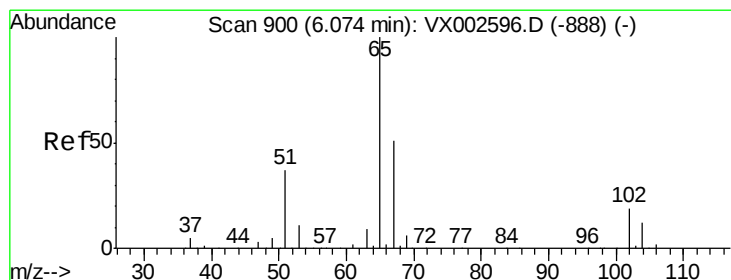
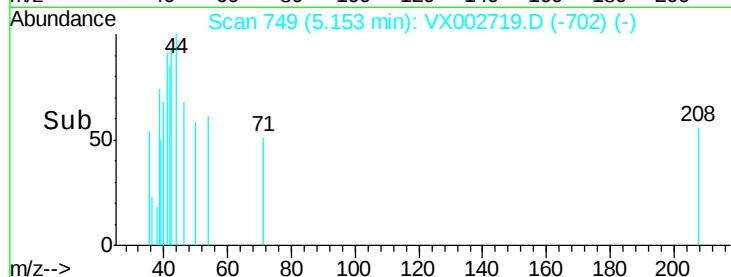
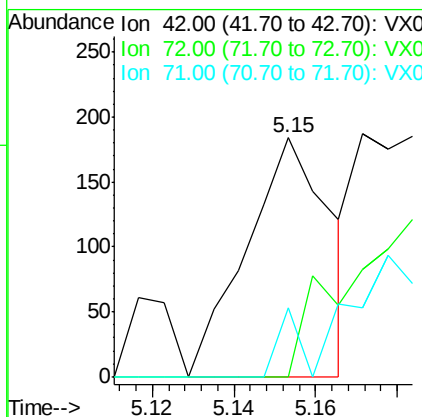
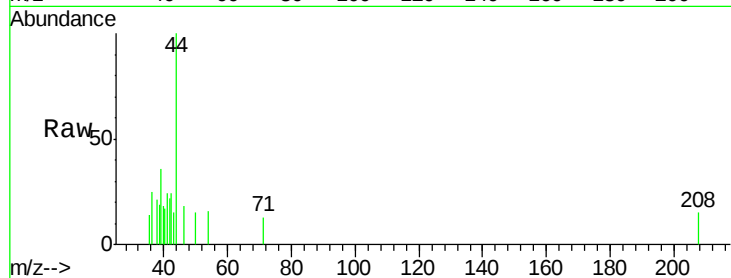




#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX002719.D
Acq: 19 Jun 2018 18:04

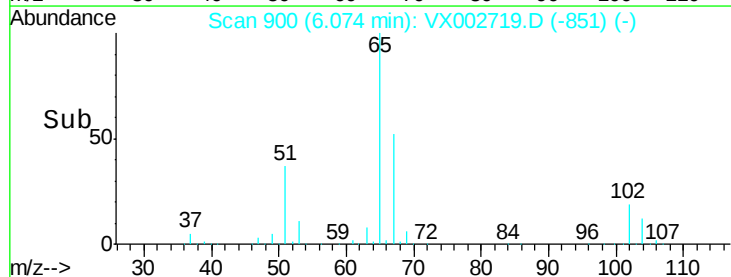
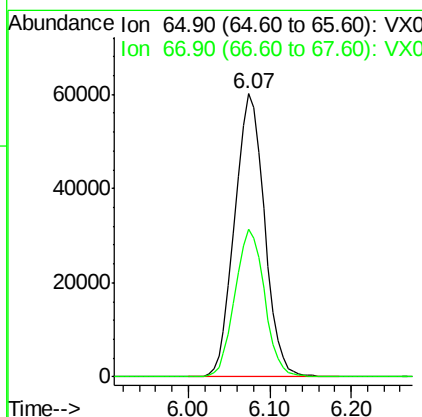
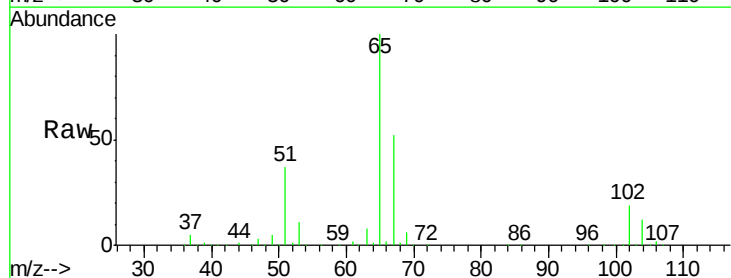
Instrument :
MSVOA_X
ClientSampled :

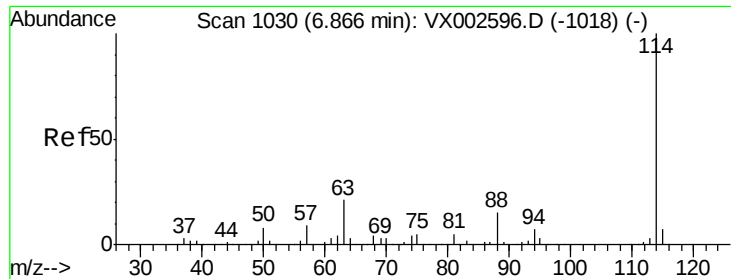
Tot Ion: 42 Resp: 261
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 48.93 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002719.D
Acq: 19 Jun 2018 18:04

Tgt Ion: 65 Resp: 152904
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.6

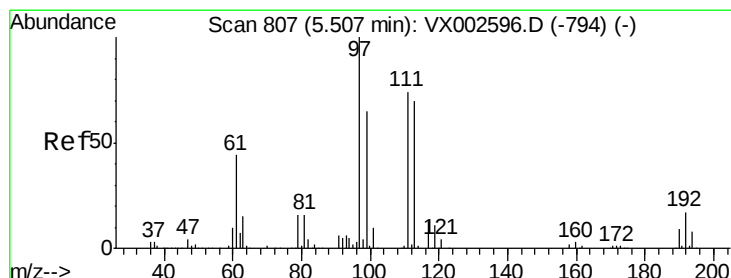
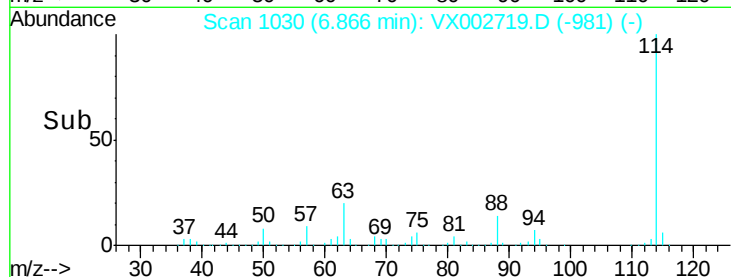
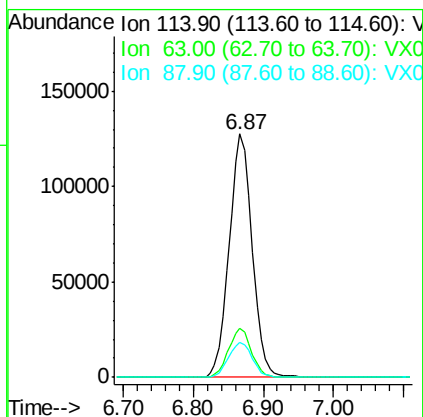
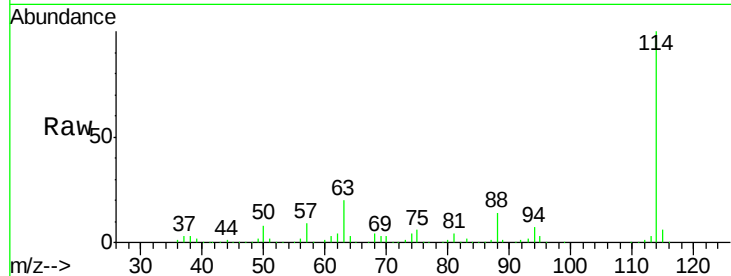




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002719.D
 Acq: 19 Jun 2018 18:04

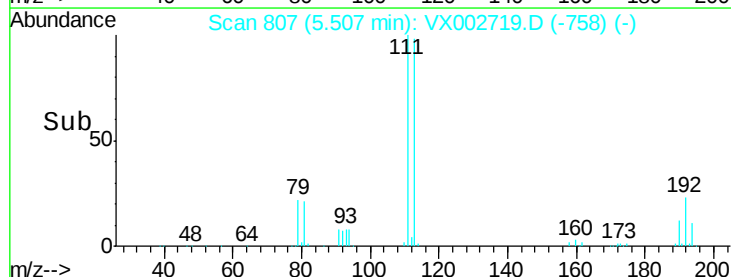
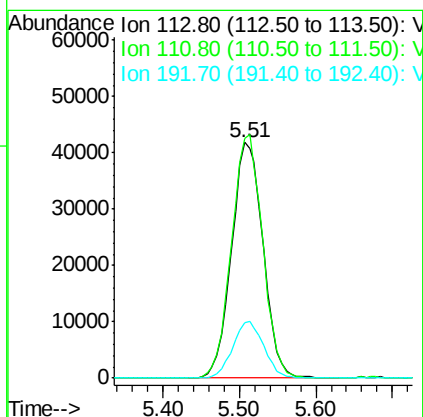
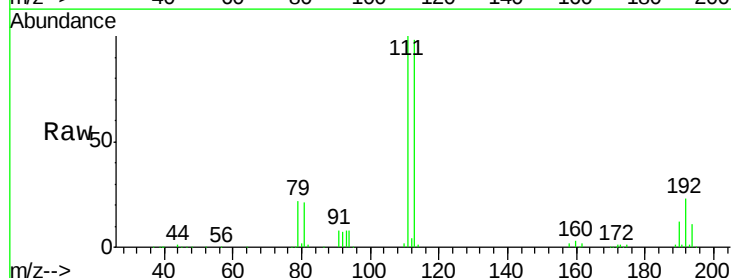
Instrument :
 MSVOA_X
 ClientSampleId :

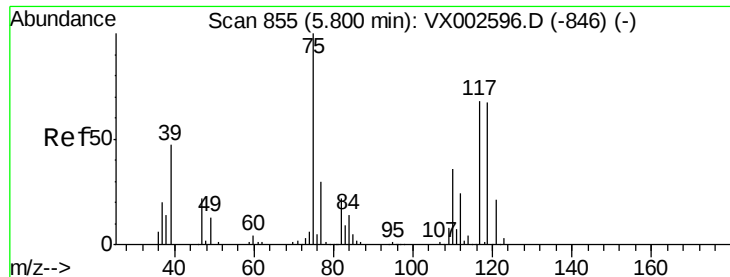
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.4
88	14.5	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 51.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002719.D
 Acq: 19 Jun 2018 18:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.0
192	23.8	19.1	28.7





#36

1,1-Dichloropropene

Concen: 4.64 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

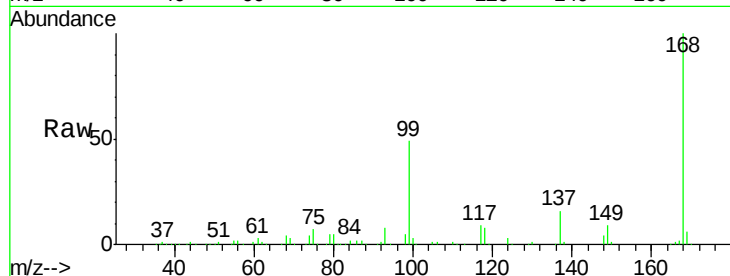
Tot Ion: 75 Resp: 14376

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

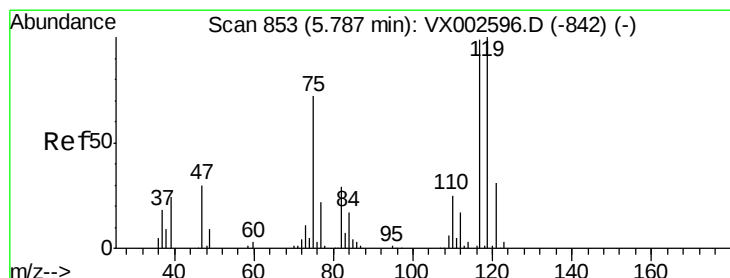
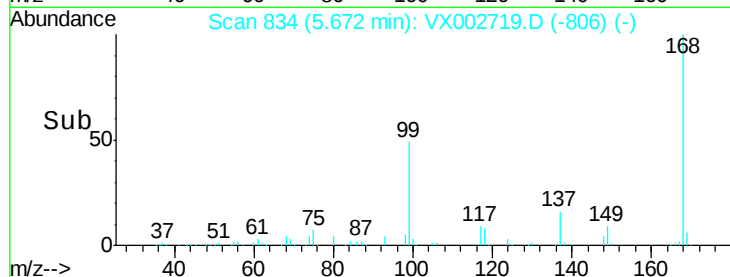
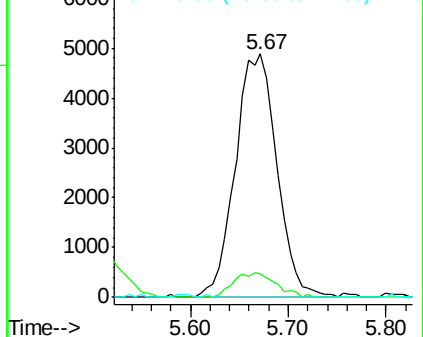
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.97 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

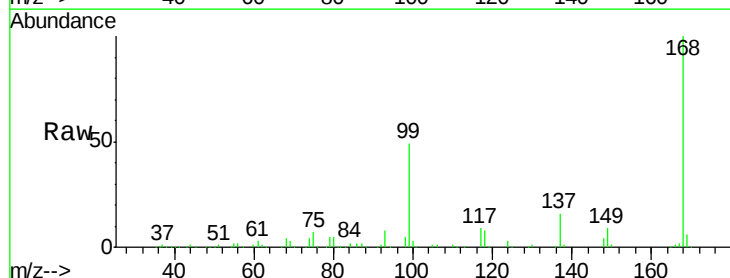
Tgt Ion: 117 Resp: 18433

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.0#

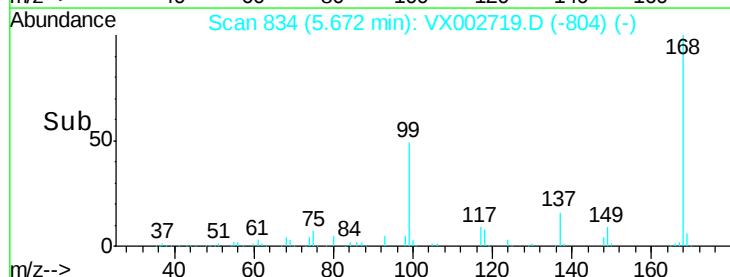
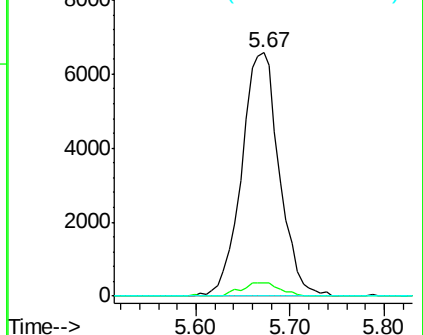
121 0.0 24.4 36.6#

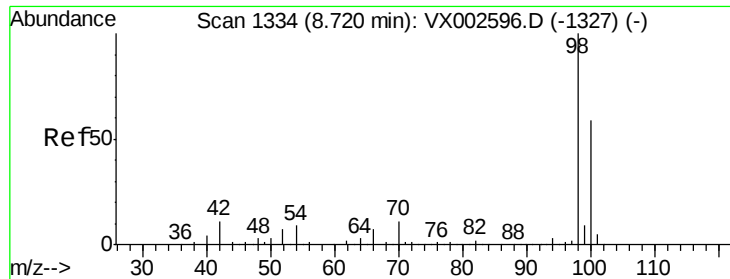


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.15 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Instrument :

MSVOA_X

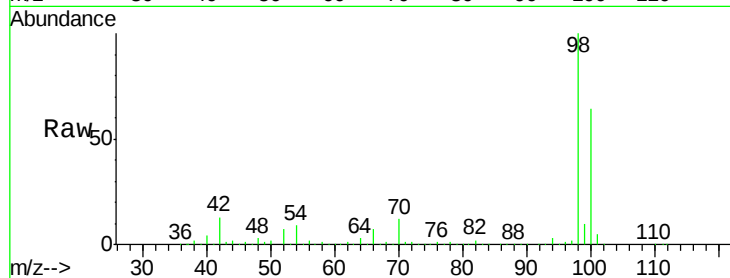
ClientSampleId :

Tot Ion: 98 Resp: 452627

Ion Ratio Lower Upper

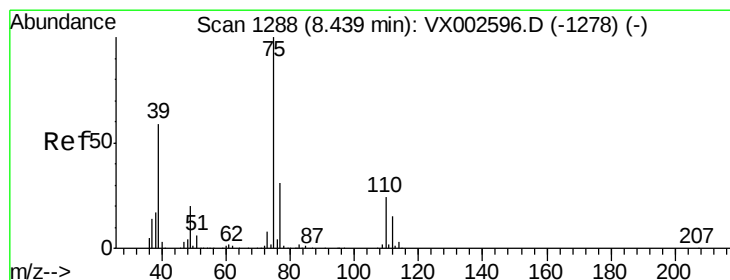
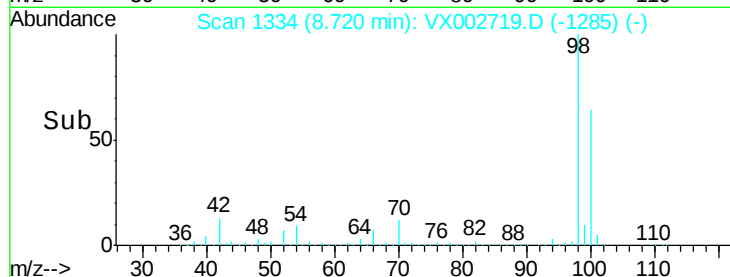
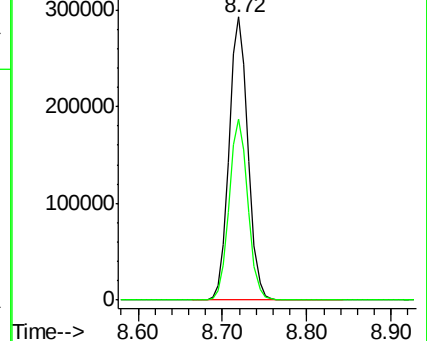
98 100

100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX002719.D

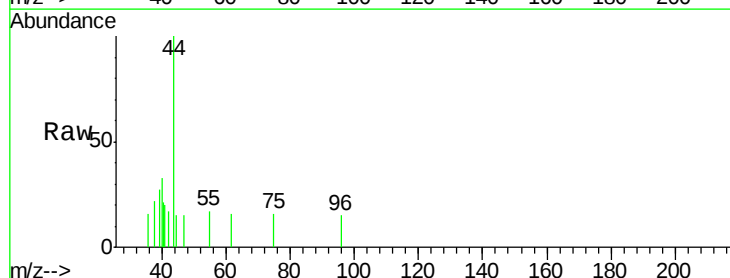
Acq: 19 Jun 2018 18:04

Tgt Ion: 75 Resp: 23

Ion Ratio Lower Upper

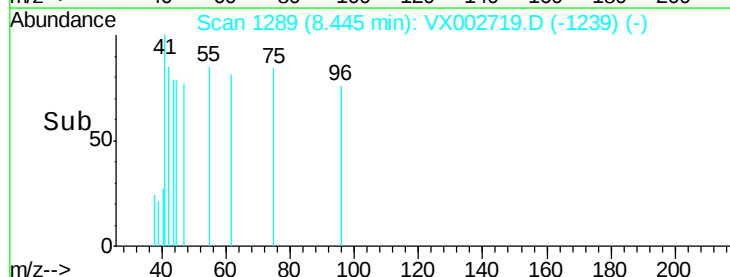
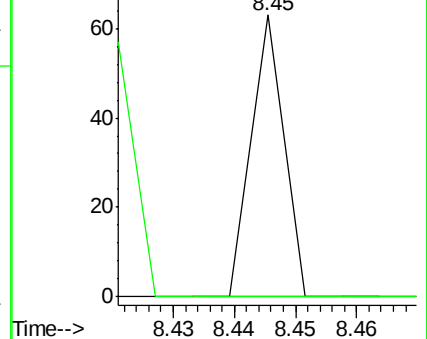
75 100

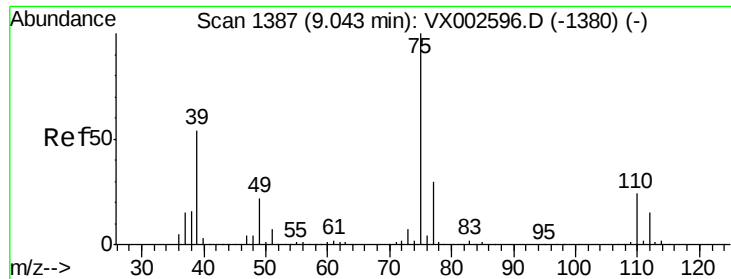
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



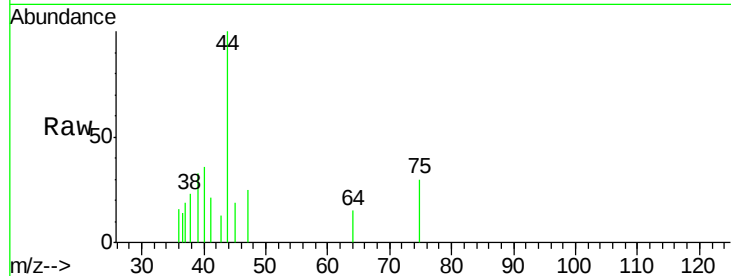


#54

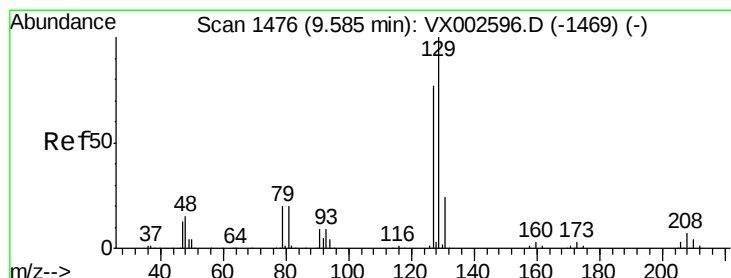
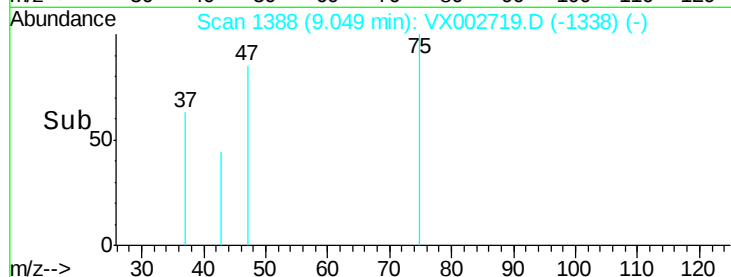
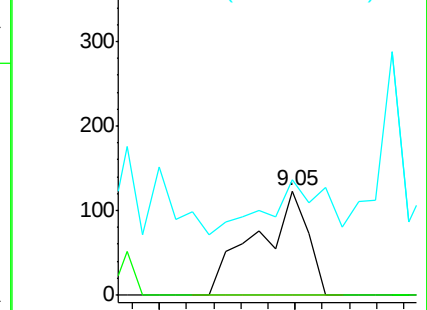
cis-1,3-Dichloropropene
Concen: 3.25 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002719.D
Acq: 19 Jun 2018 18:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 160
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 44.7 42.4 63.6



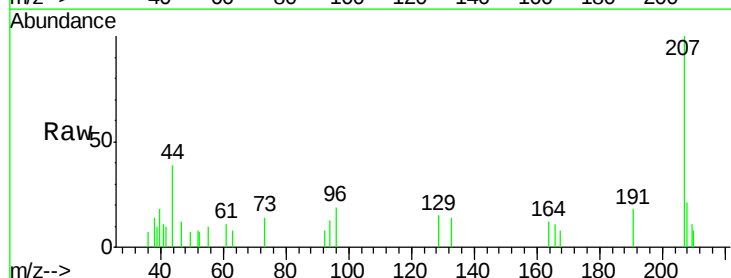
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



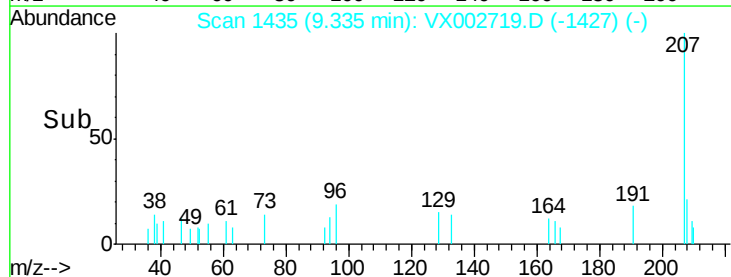
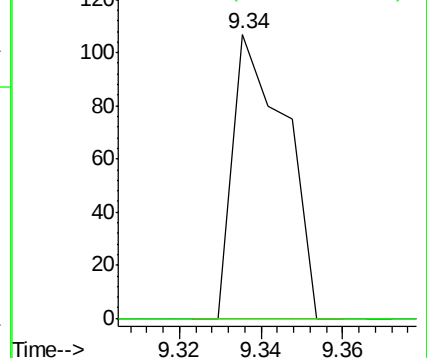
#60

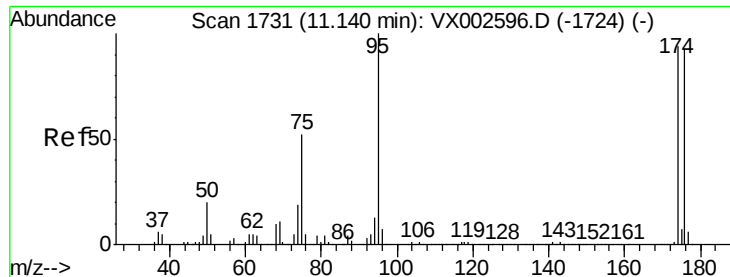
Dibromochloromethane
Concen: 3.79 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002719.D
Acq: 19 Jun 2018 18:04

Tgt Ion:129 Resp: 96
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



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

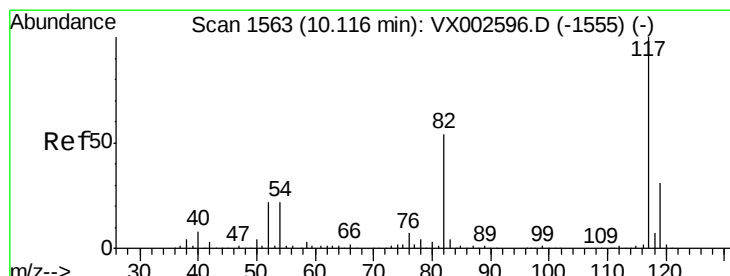
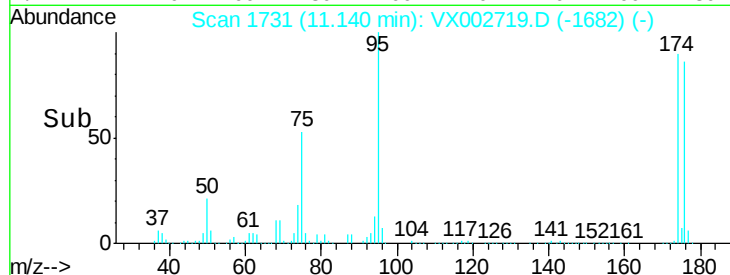
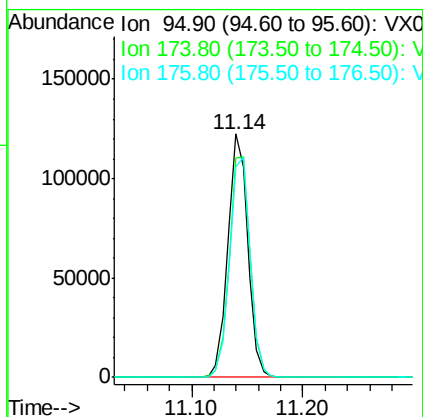
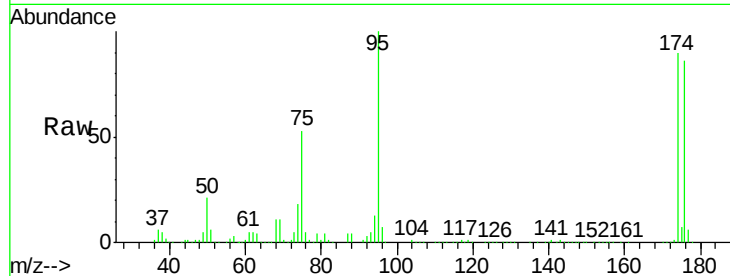




#62
4-Bromofluorobenzene
Concen: 45.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002719.D
Acq: 19 Jun 2018 18:04

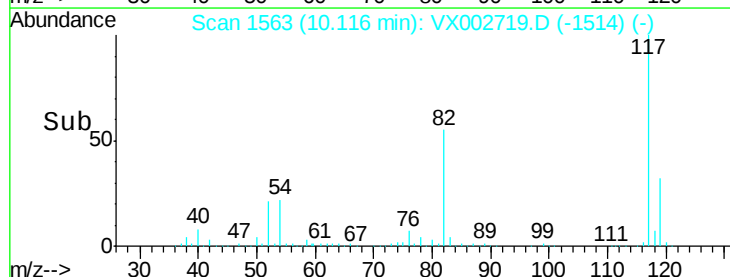
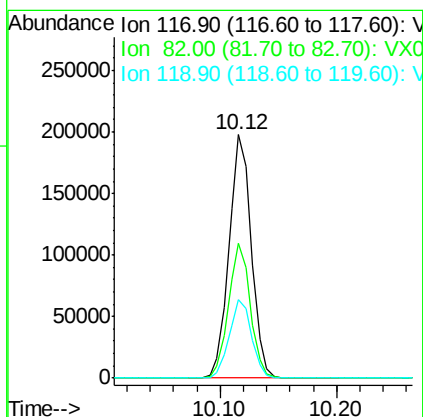
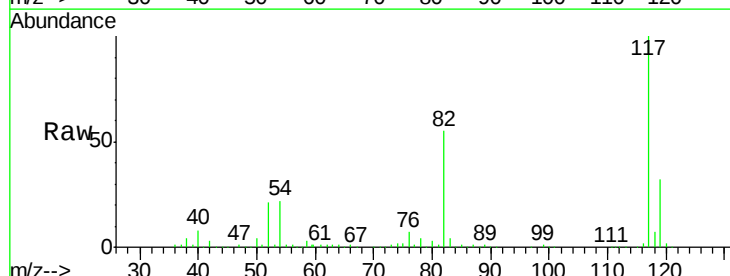
Instrument :
MSVOA_X
ClientSampleId :

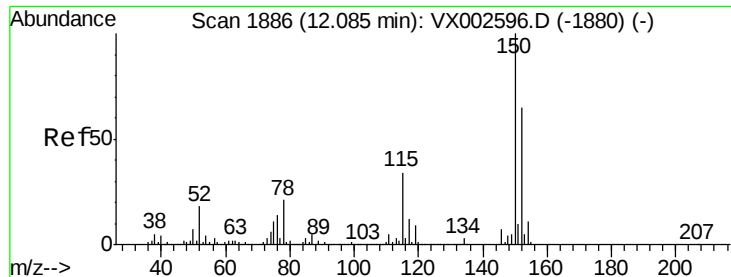
Tot Ion: 95 Resp: 151193
Ion Ratio Lower Upper
95 100
174 95.1 0.0 187.4
176 93.8 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002719.D
Acq: 19 Jun 2018 18:04

Tgt Ion: 117 Resp: 262918
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

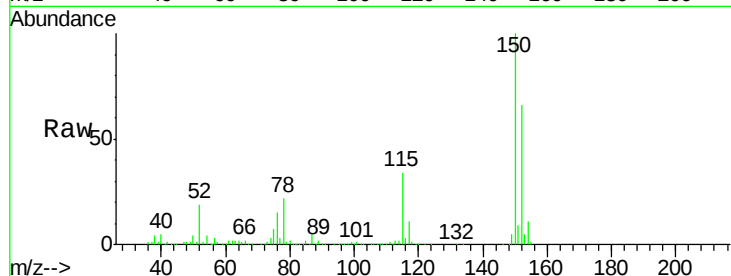
Tot Ion:152 Resp: 137086

Ion Ratio Lower Upper

152 100

115 54.4 40.1 120.2

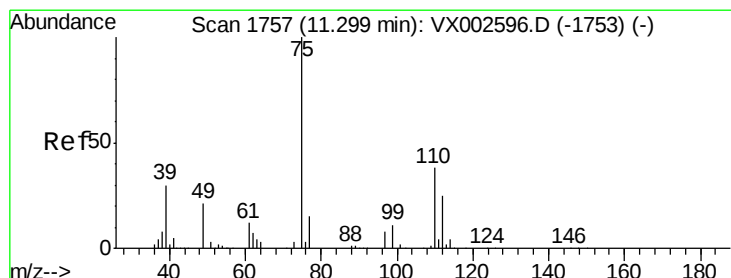
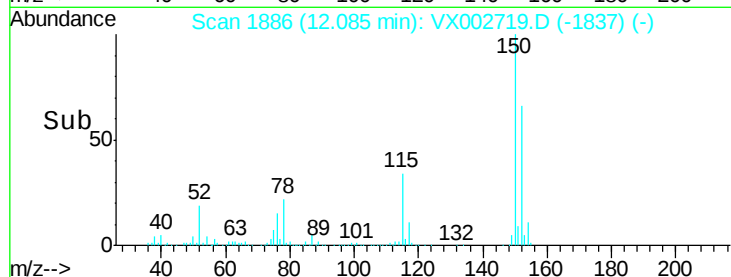
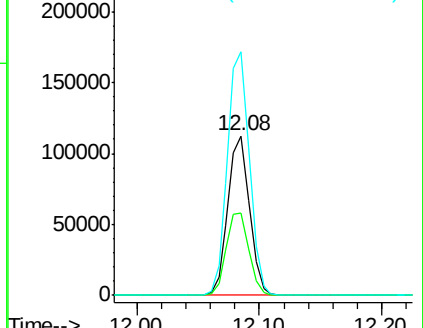
150 155.5 0.0 347.2



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: 31.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002719.D

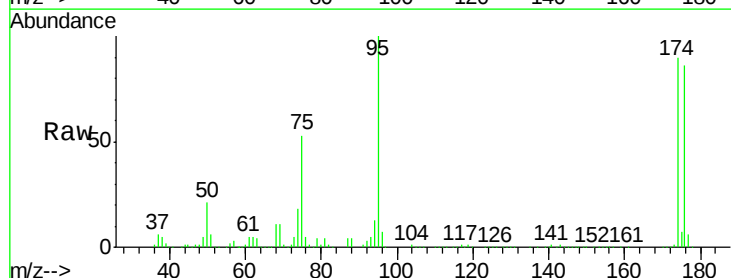
Acq: 19 Jun 2018 18:04

Tgt Ion: 75 Resp: 80554

Ion Ratio Lower Upper

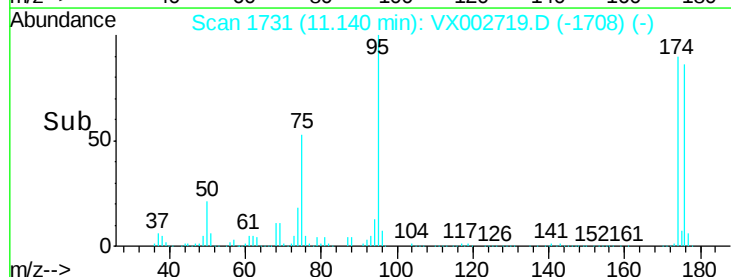
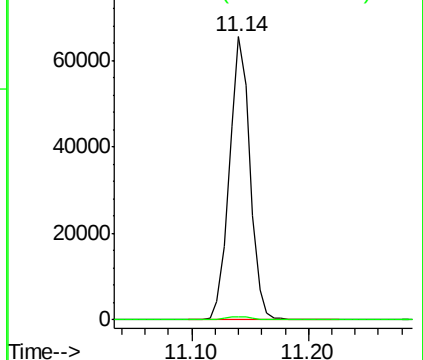
75 100

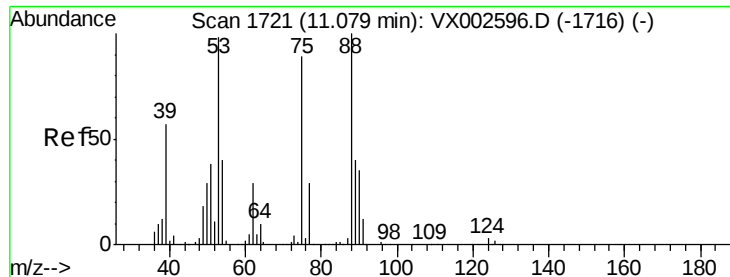
77 1.4 22.8 68.3#



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: 95.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

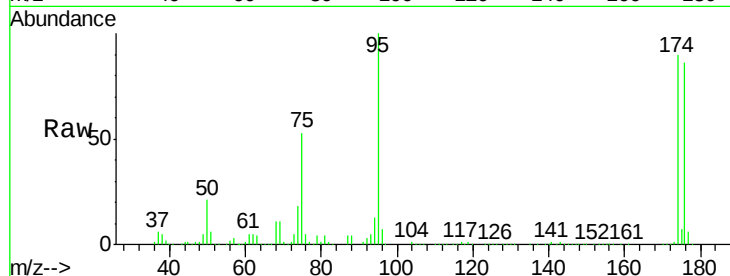
Tot Ion: 75 Resp: 80554

Ion Ratio Lower Upper

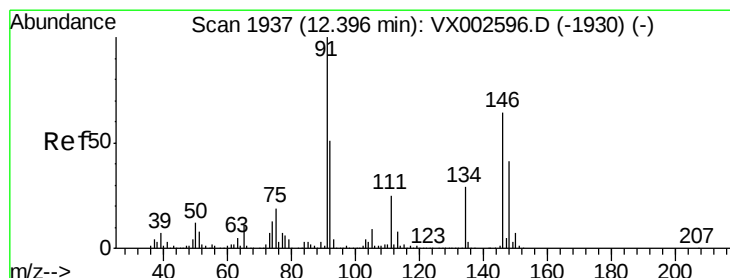
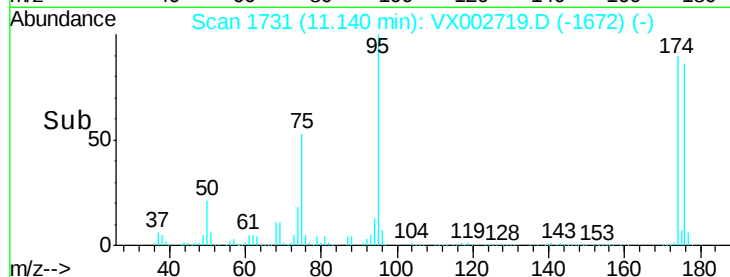
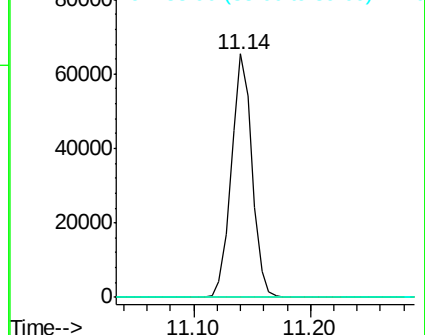
75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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



#91

1,2-Dichlorobenzene

Concen: 0.23 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002719.D

Acq: 19 Jun 2018 18:04

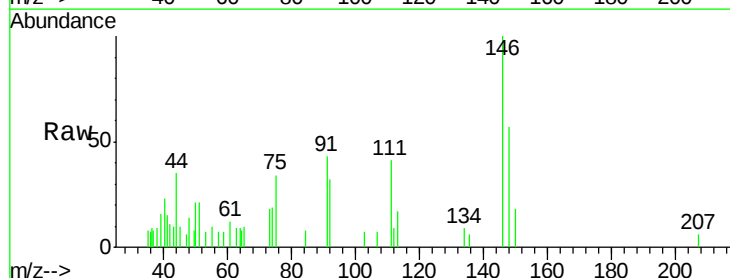
Tgt Ion: 146 Resp: 1103

Ion Ratio Lower Upper

146 100

111 46.5 19.4 58.1

148 64.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

