

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002725.D
 Acq On : 19 Jun 2018 20:44
 Operator : JC/MD
 Sample : J3528-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 01:04:51 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	206936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	289175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153846	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	140707	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	
35) Dibromofluoromethane	5.51	113	109239	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.72	98	418052	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.14	95	145177	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

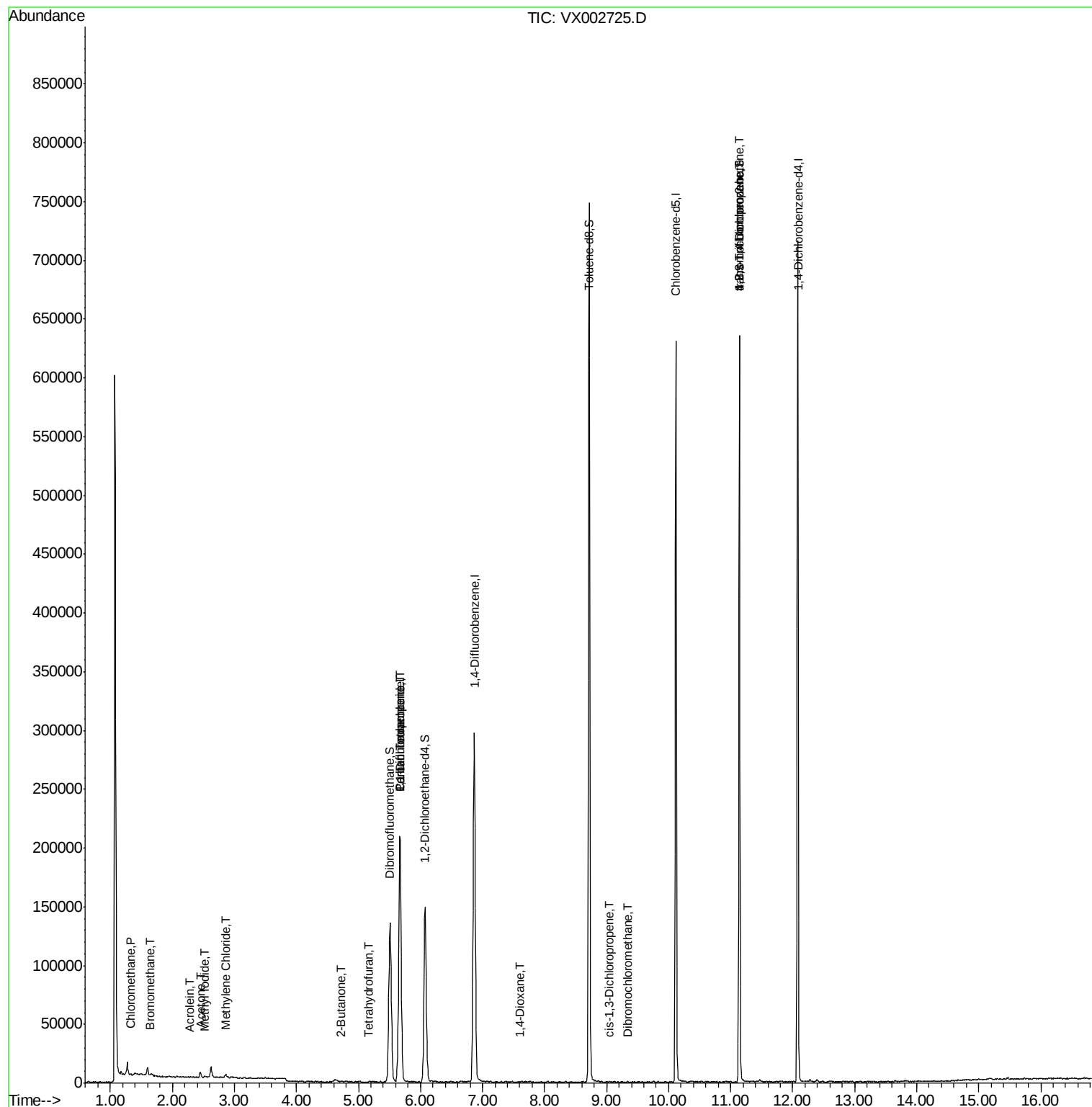
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	838	0.32	ug/l	93
5) Bromomethane	1.65	94	555	0.34	ug/l	93
10) Methyl Iodide	2.53	142	879	5.42	ug/l #	86
13) Acrolein	2.29	56	44	7.00	ug/l #	14
16) Acetone	2.45	43	4968	3.58	ug/l	96
20) Methylene Chloride	2.86	84	1311	0.46	ug/l	91
25) 2-Butanone	4.72	43	436	0.24	ug/l #	52
29) Tetrahydrofuran	5.17	42	321	0.27	ug/l #	36
36) 1,1-Dichloropropene	5.67	75	14384	4.68	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19563	6.40	ug/l #	16
49) 1,4-Dioxane	7.61	88	42	0.75	ug/l #	1
54) cis-1,3-Dichloropropene	9.04	75	45	3.22	ug/l #	1
60) Dibromochloromethane	9.34	129	39	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	77292	26.62	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	77292	82.25	ug/l #	7

(#) = 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: VX002725.D

Acq: 19 Jun 2018 20:44

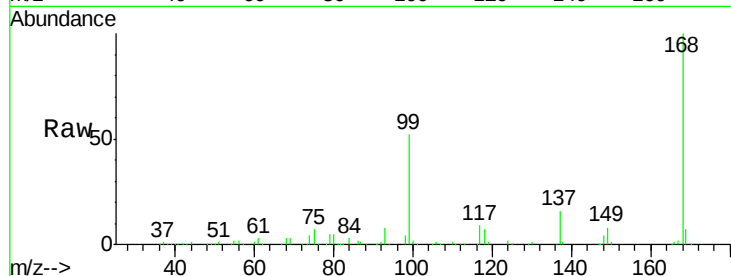
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 206936

Ion Ratio Lower Upper

168 100

99 52.0 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

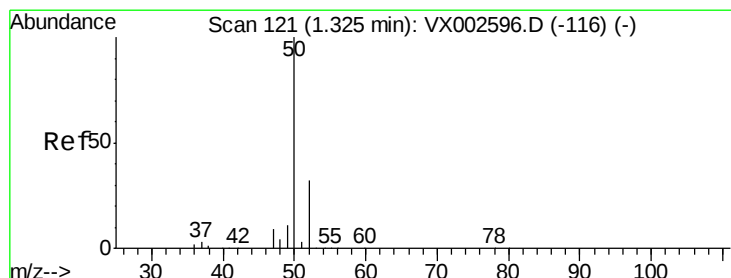
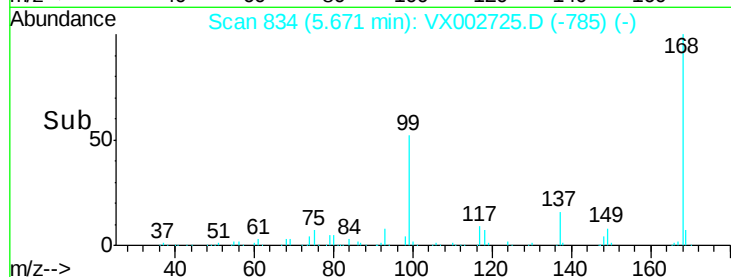
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.32 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002725.D

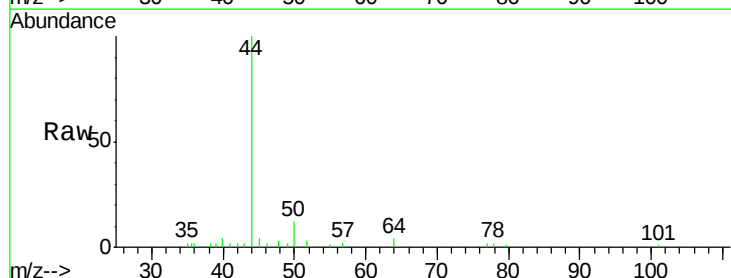
Acq: 19 Jun 2018 20:44

Tgt Ion: 50 Resp: 838

Ion Ratio Lower Upper

50 100

52 27.9 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

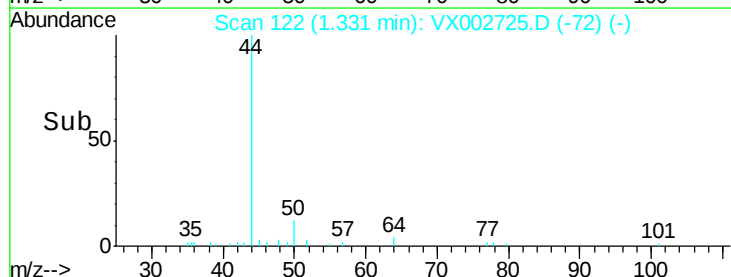
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.34 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002725.D

Acq: 19 Jun 2018 20:44

Instrument :

MSVOA_X

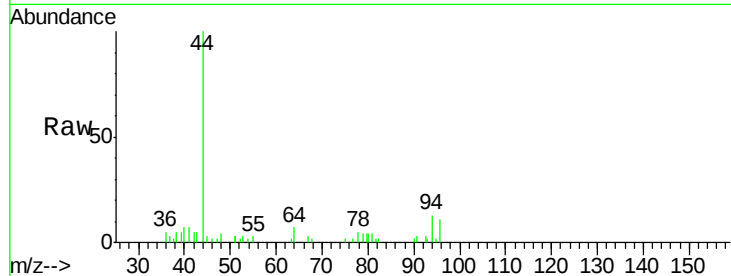
ClientSampled :

Tot Ion: 94 Resp: 555

Ion Ratio Lower Upper

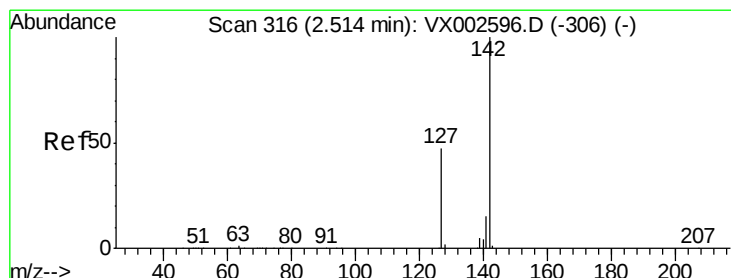
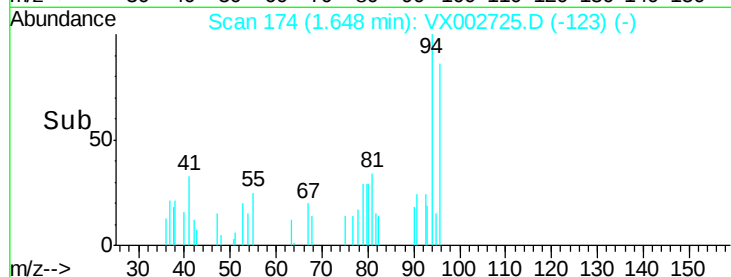
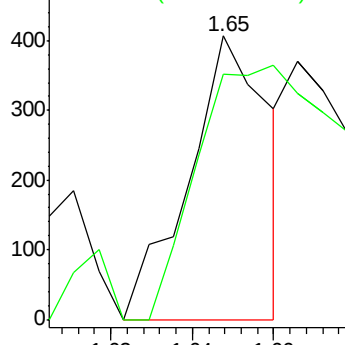
94 100

96 86.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.42 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002725.D

Acq: 19 Jun 2018 20:44

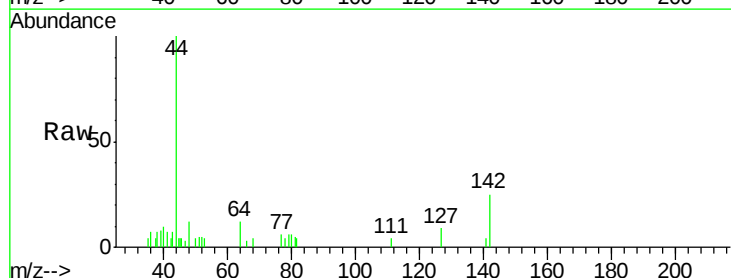
Tgt Ion: 142 Resp: 879

Ion Ratio Lower Upper

142 100

127 55.4 36.6 55.0#

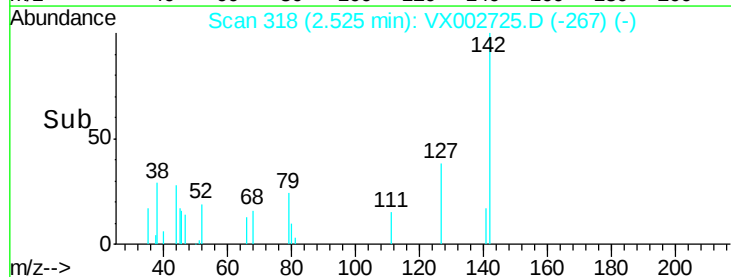
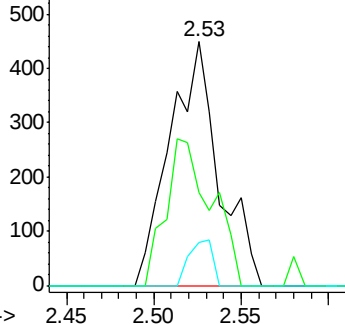
141 8.9 11.3 16.9#

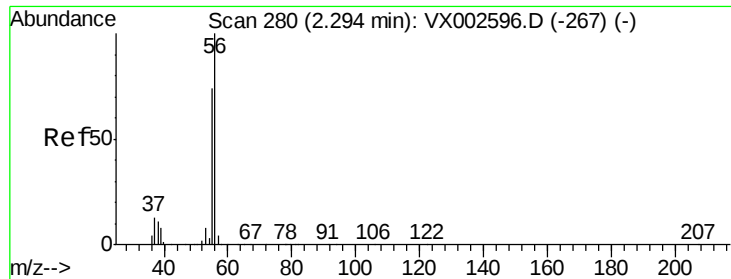


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 7.00 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX002725.D

Acq: 19 Jun 2018 20:44

Instrument :

MSVOA_X

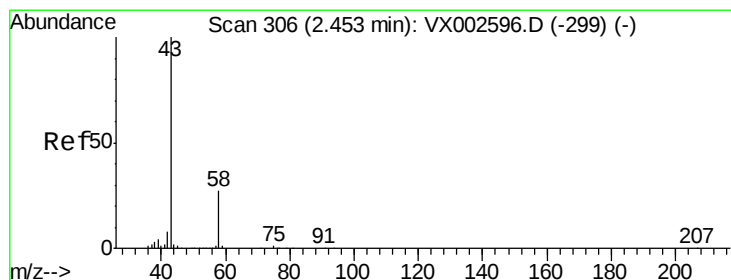
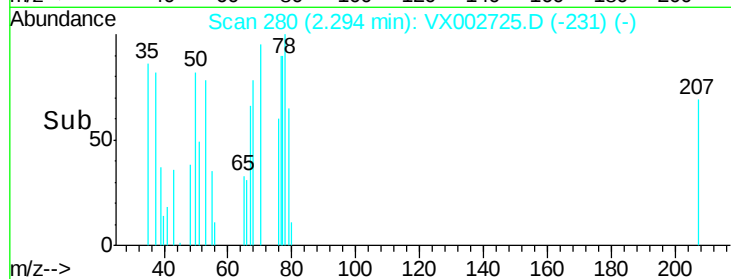
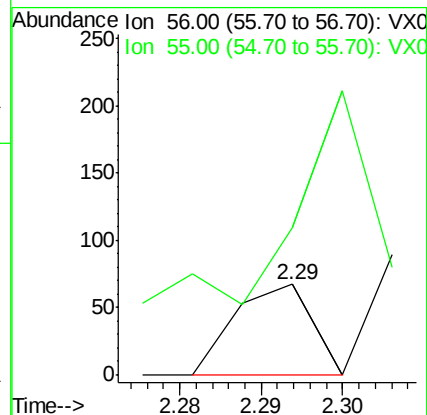
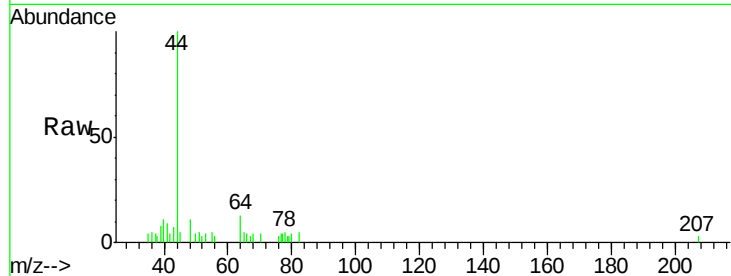
ClientSampleId :

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 3.58 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002725.D

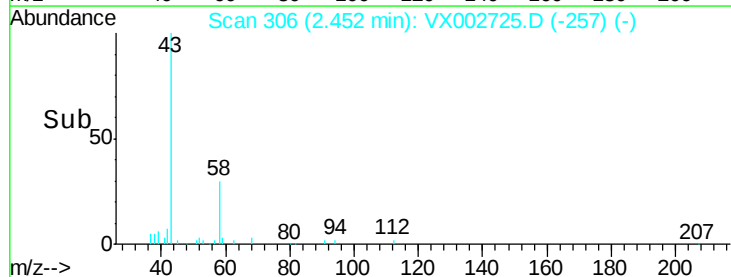
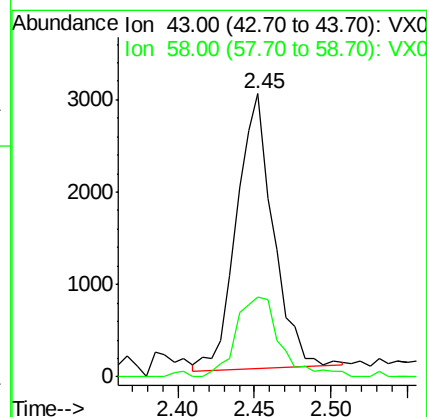
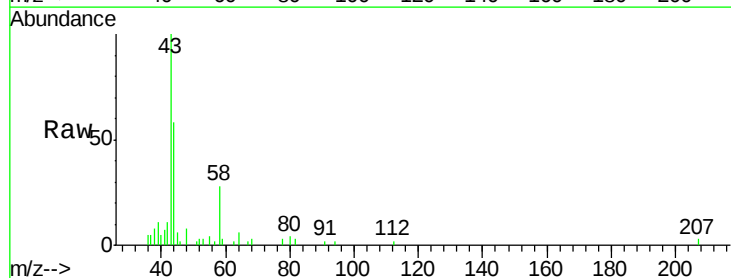
Acq: 19 Jun 2018 20:44

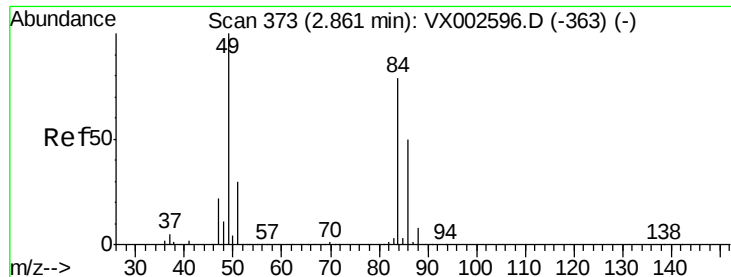
Tgt Ion: 43 Resp: 4968

Ion Ratio Lower Upper

43 100

58 29.6 22.1 33.1

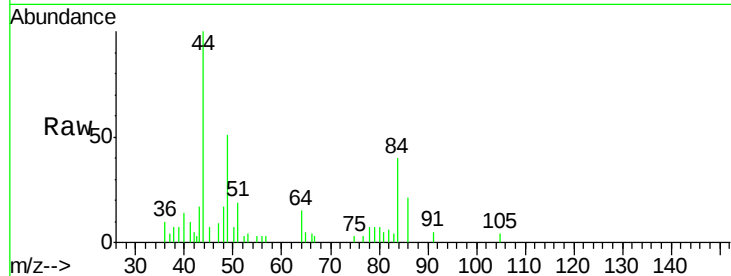




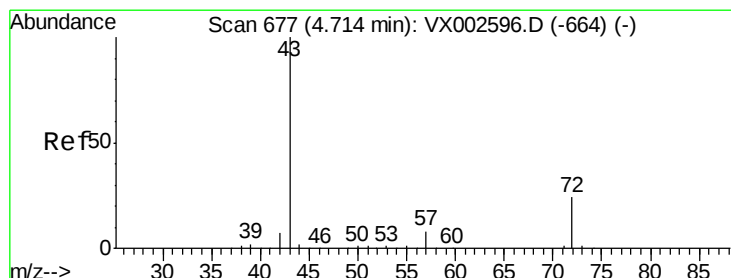
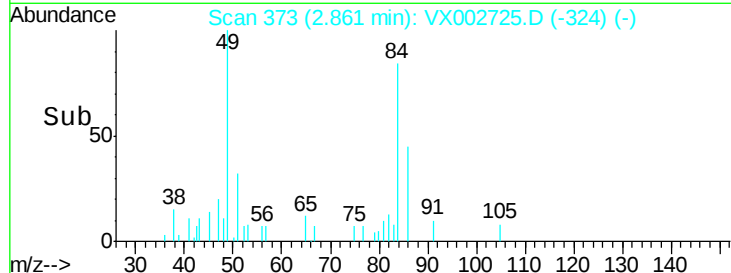
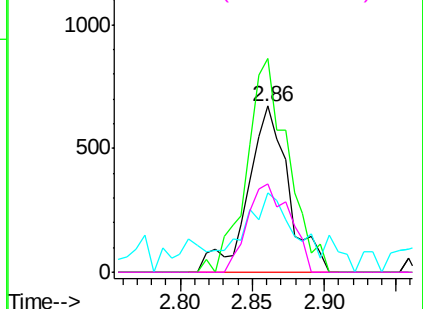
#20
Methvlene Chloride
Concen: 0.46 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 1311
Ion Ratio Lower Upper
84 100
49 128.4 107.8 161.6
51 35.9 32.8 49.2
86 53.0 52.5 78.7

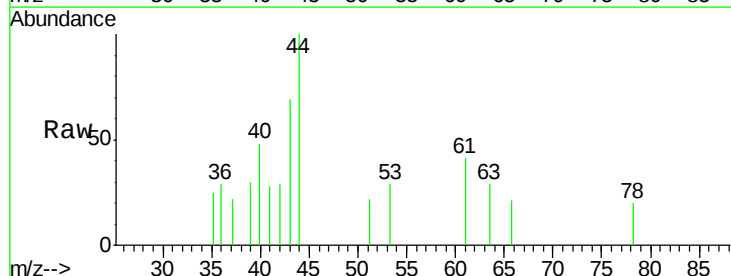


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

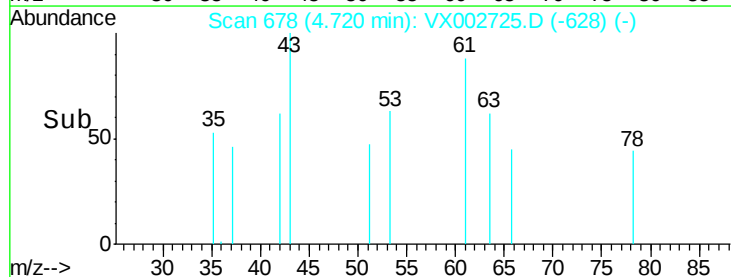
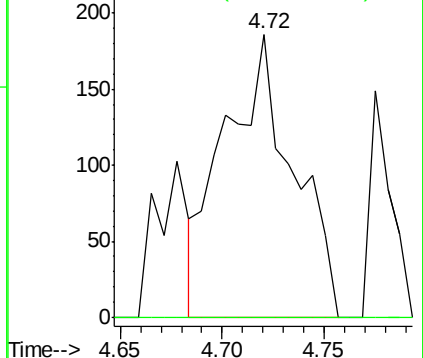


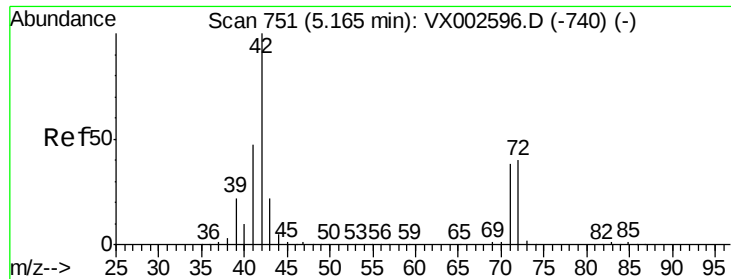
#25
2-Butanone
Concen: 0.24 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

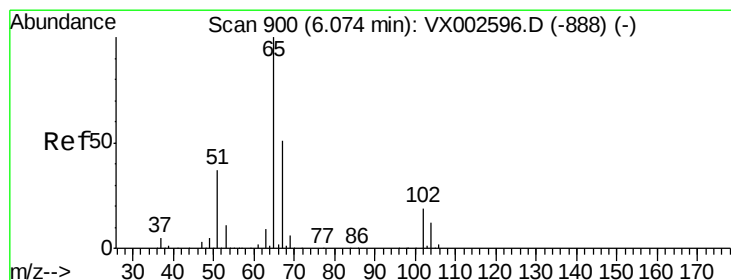
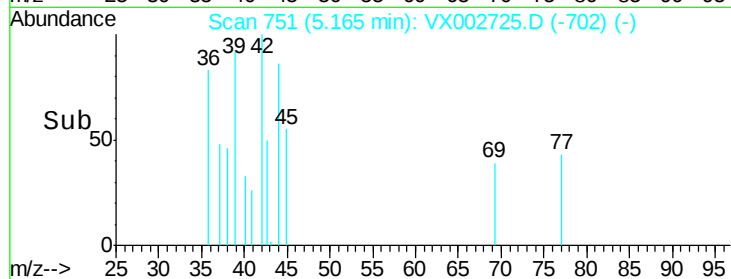
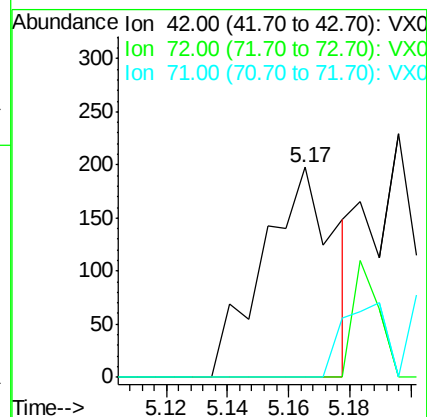
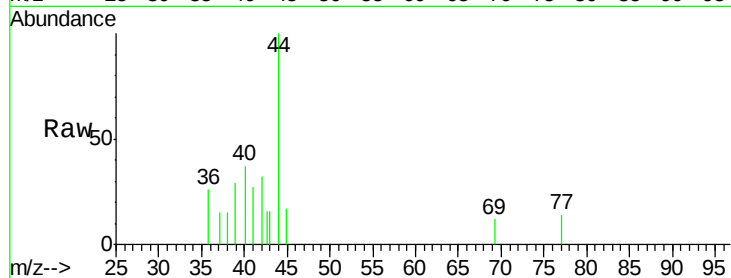




#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

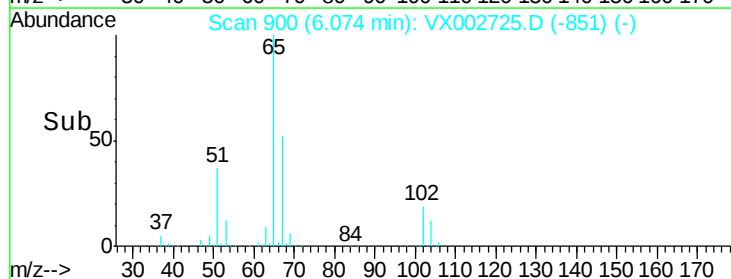
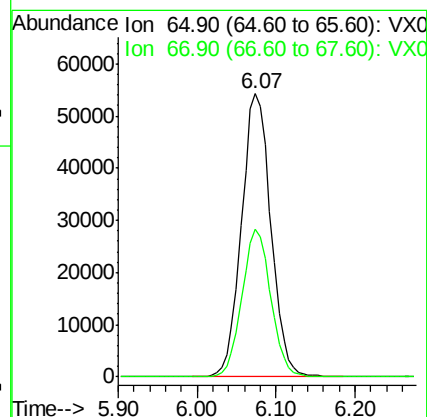
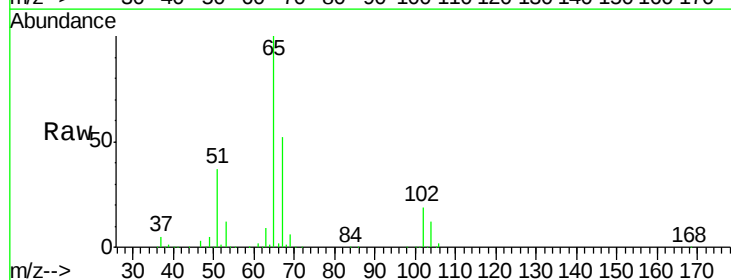
Instrument :
MSVOA_X
ClientSampleId :

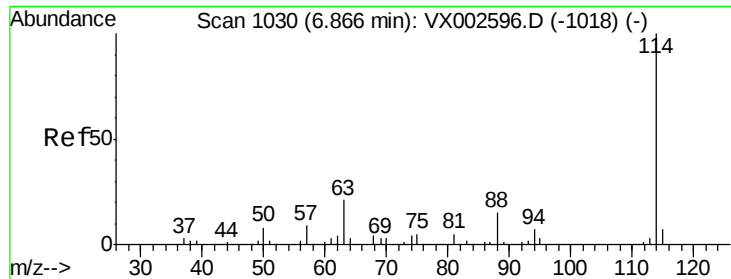
Tot Ion: 42 Resp: 321
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 44.74 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

Tgt Ion: 65 Resp: 140707
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.6

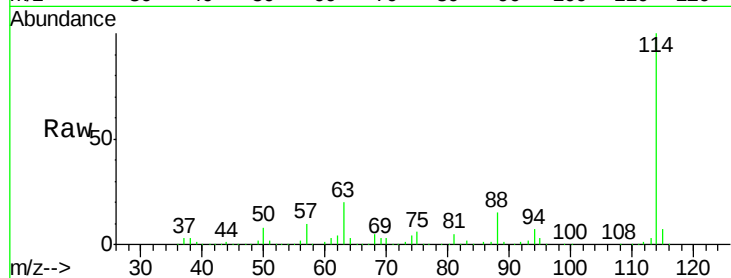




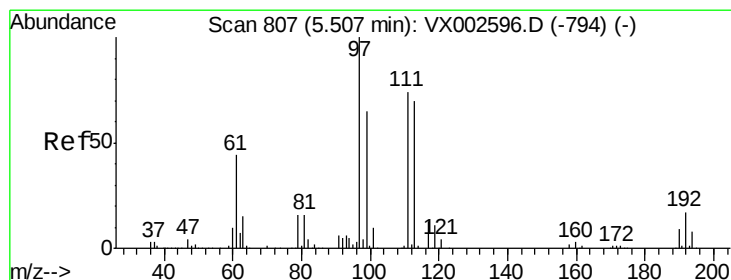
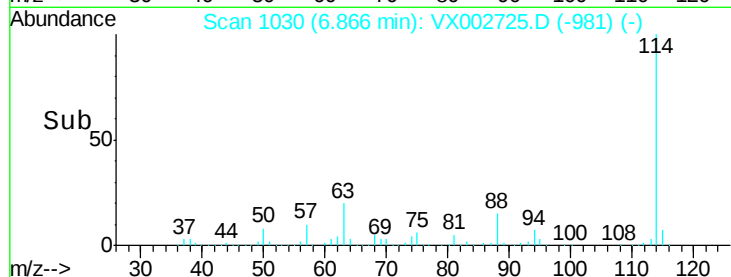
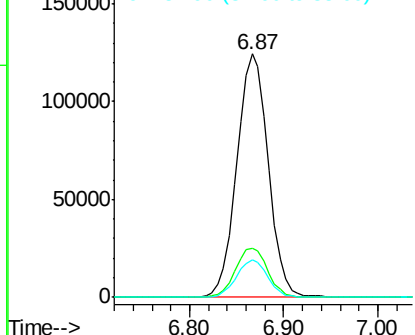
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002725.D
 Acq: 19 Jun 2018 20:44

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 289175
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.2 0.0 30.0

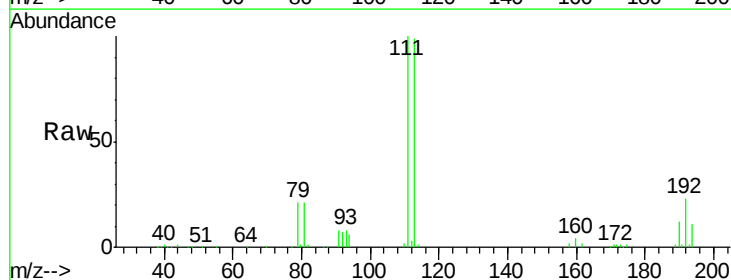


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

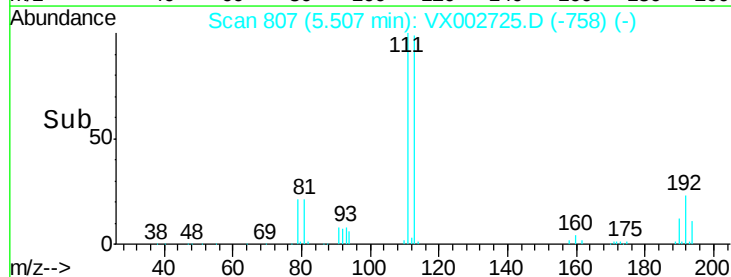
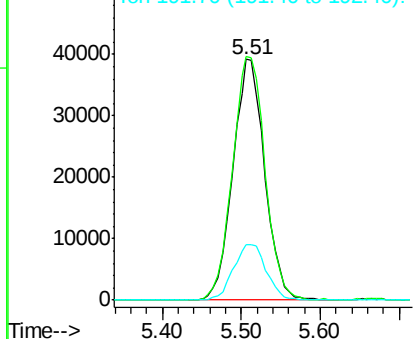


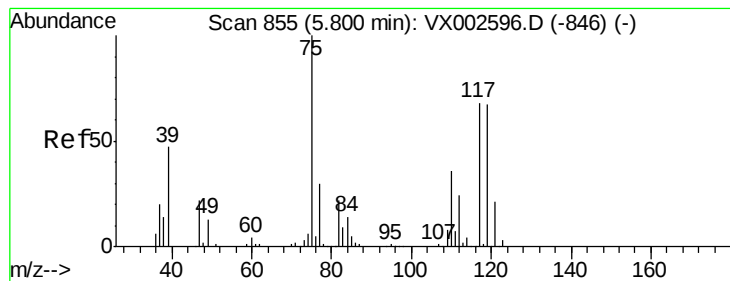
#35
 Dibromofluoromethane
 Concen: 47.33 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002725.D
 Acq: 19 Jun 2018 20:44

Tgt Ion:113 Resp: 109239
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.4 122.0
 192 23.8 19.1 28.7



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: 4.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002725.D

Acq: 19 Jun 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

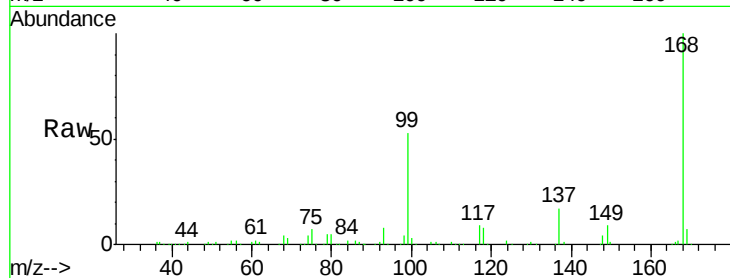
Tot Ion: 75 Resp: 14384

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

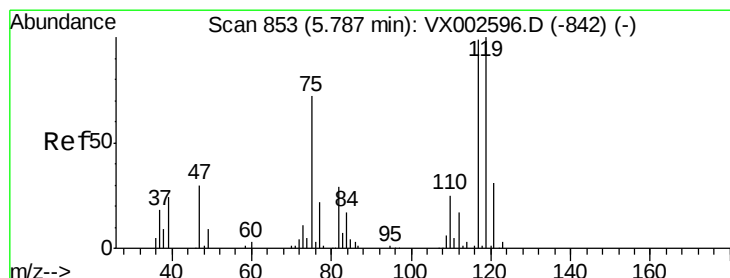
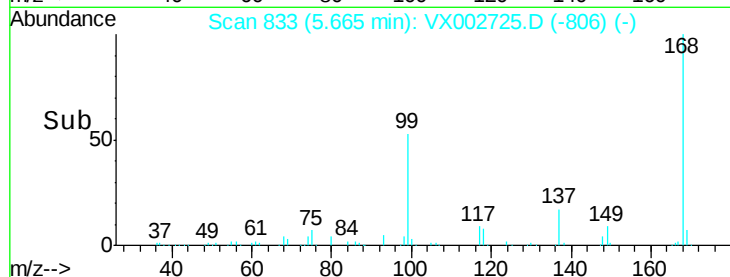
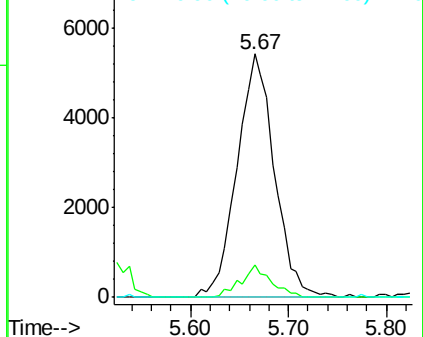
77 0.0 24.3 36.5#



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: 6.40 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002725.D

Acq: 19 Jun 2018 20:44

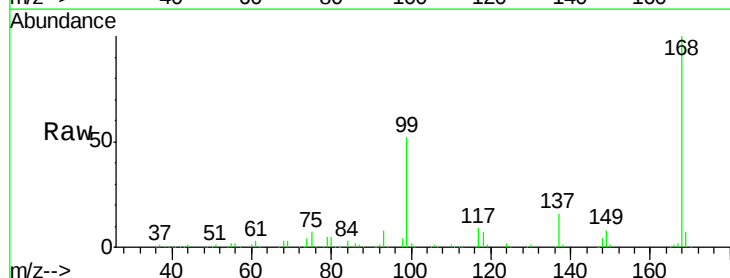
Tgt Ion: 117 Resp: 19563

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

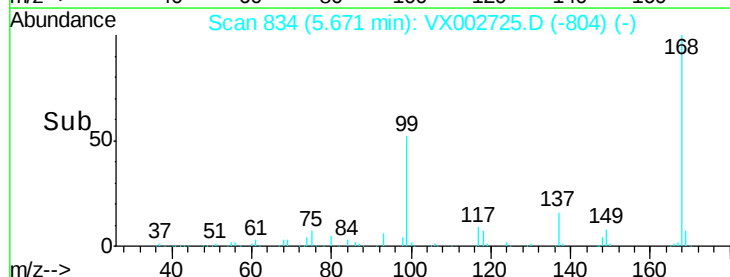
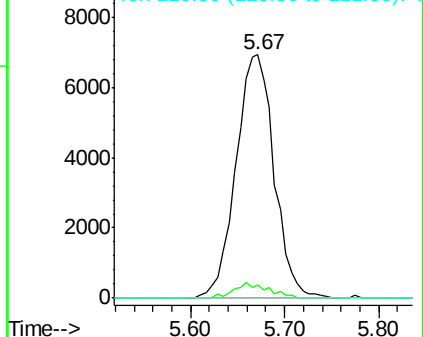
121 0.0 24.4 36.6#

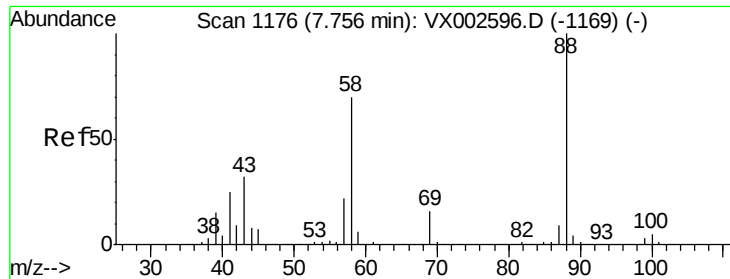


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.75 ug/l

RT: 7.61 min Scan# 1152

Delta R.T. -0.15 min

Lab File: VX002725.D

Acq: 19 Jun 2018 20:44

Instrument :

MSVOA_X

ClientSampled :

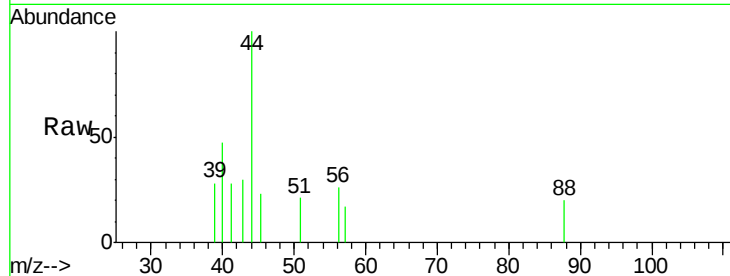
Tot Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 492.9 29.8 44.6#

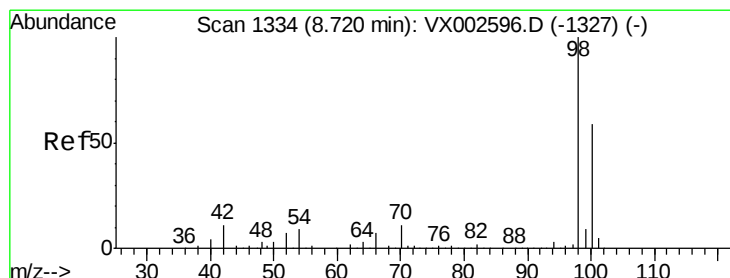
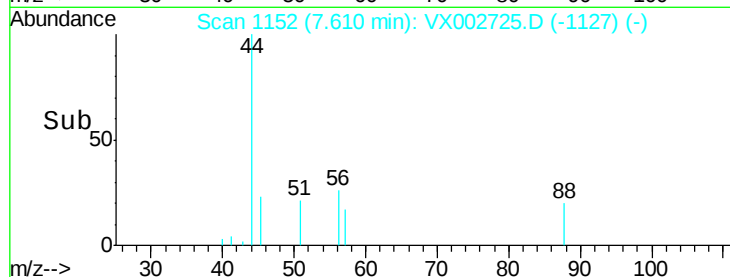
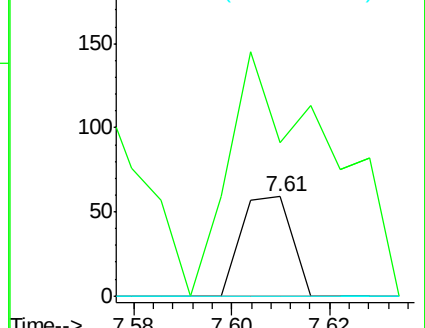
58 0.0 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.71 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002725.D

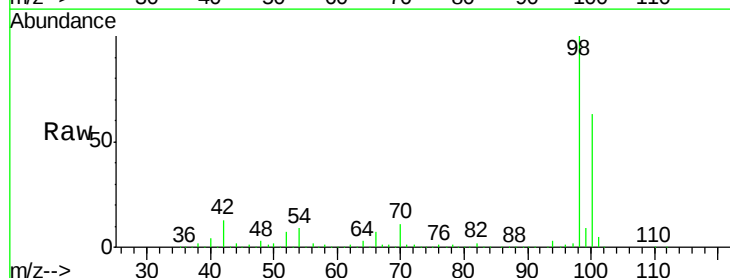
Acq: 19 Jun 2018 20:44

Tgt Ion: 98 Resp: 418052

Ion Ratio Lower Upper

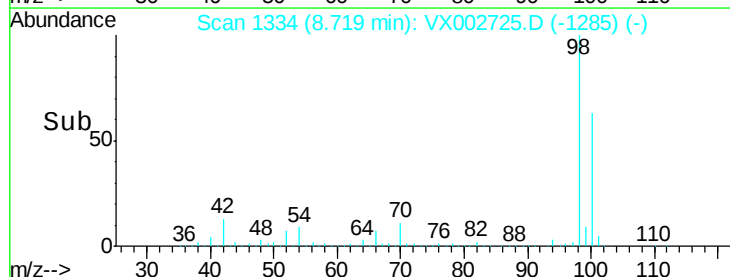
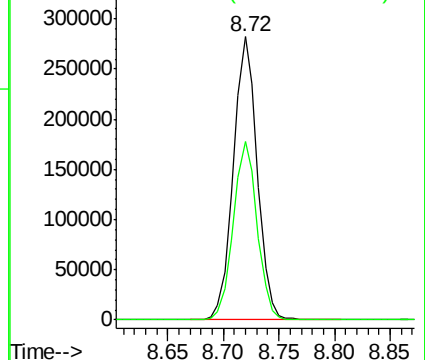
98 100

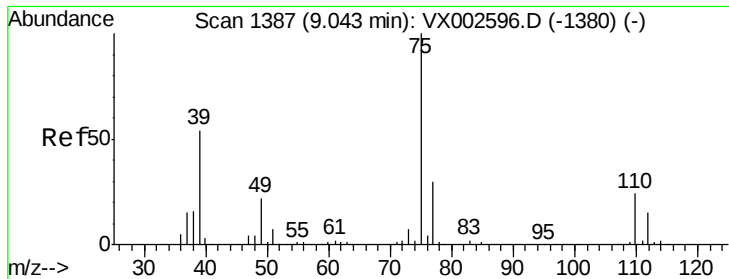
100 63.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



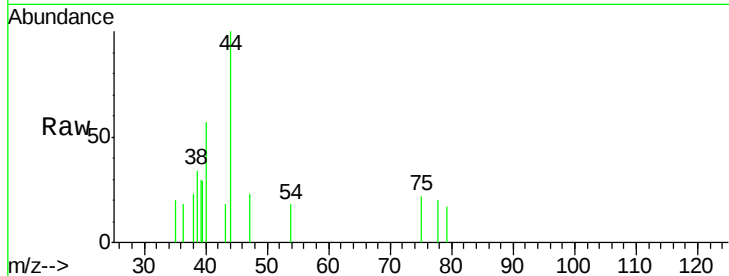


#54

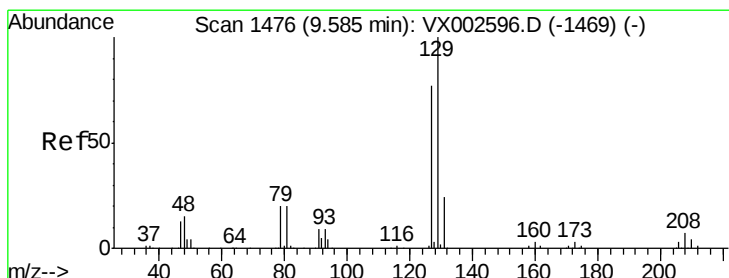
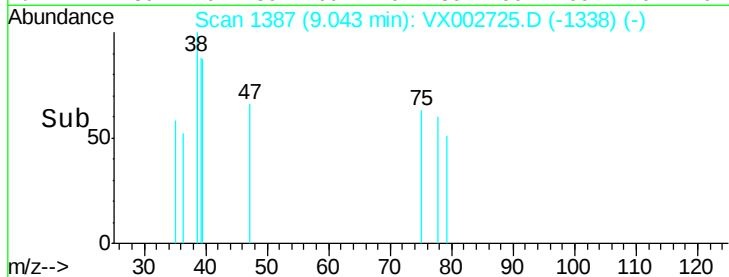
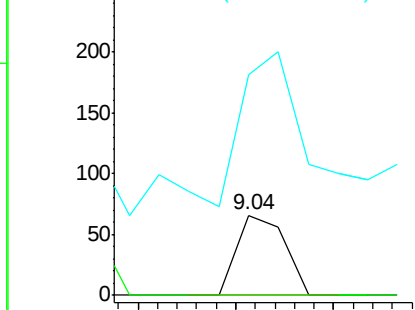
cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 45
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 143.9 42.4 63.6#



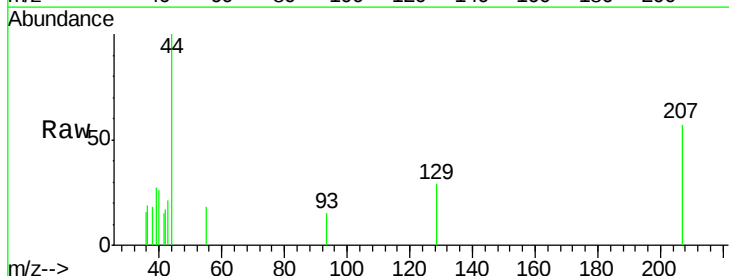
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



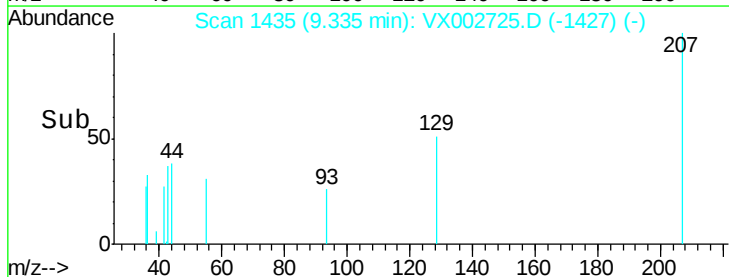
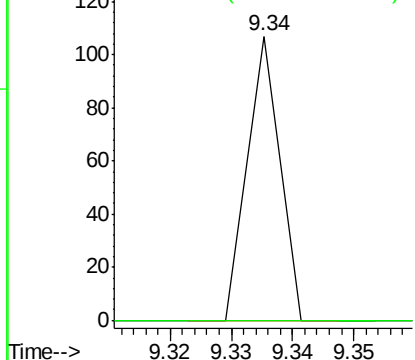
#60

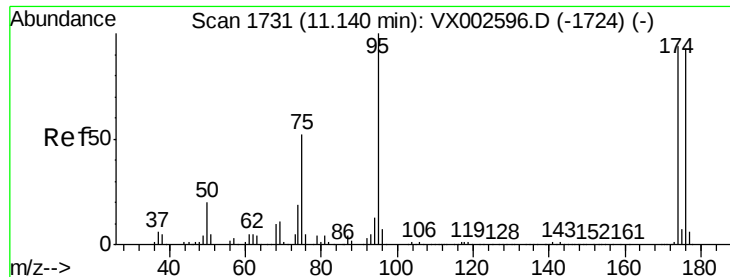
Dibromochloromethane
Concen: 3.77 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

Tgt Ion: 129 Resp: 39
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

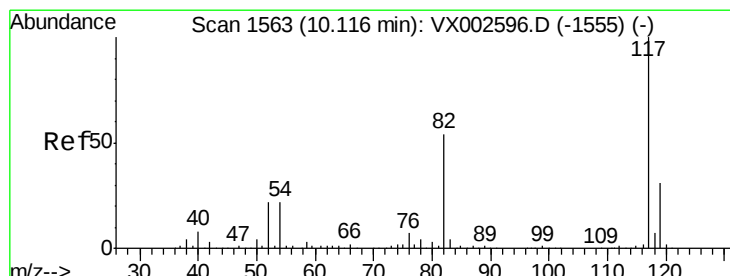
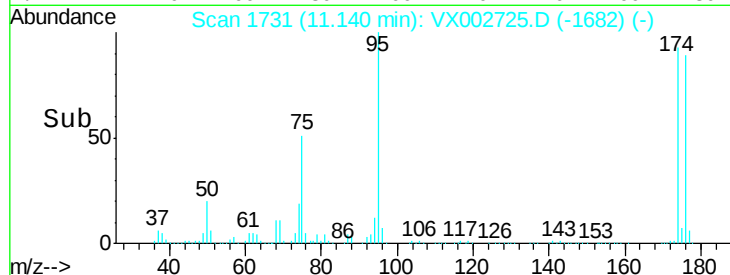
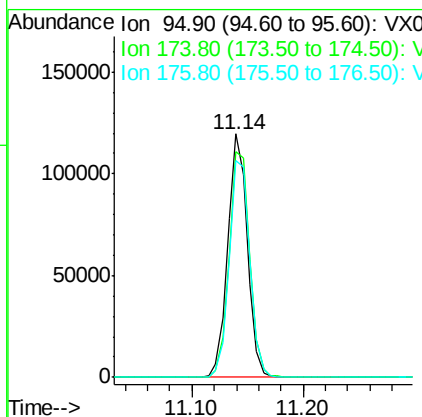
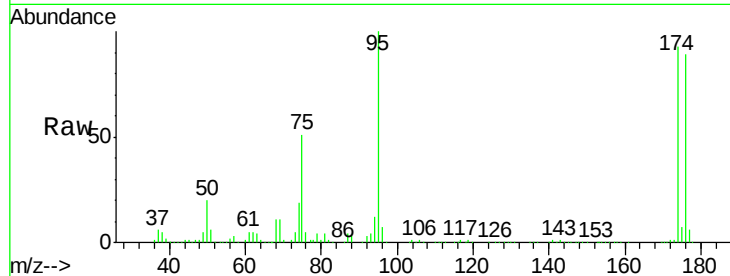




#62
4-Bromofluorobenzene
Concen: 43.72 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

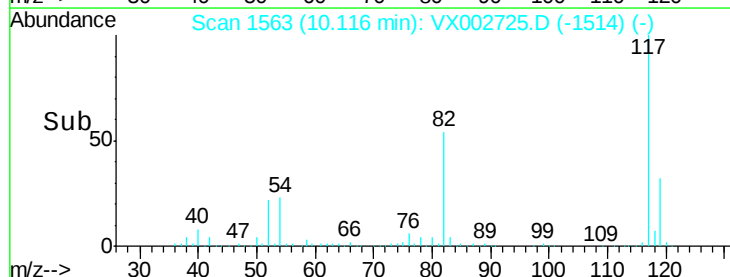
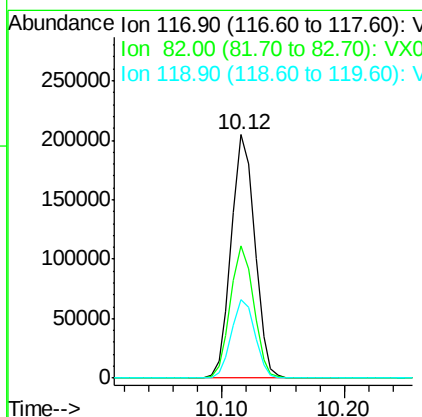
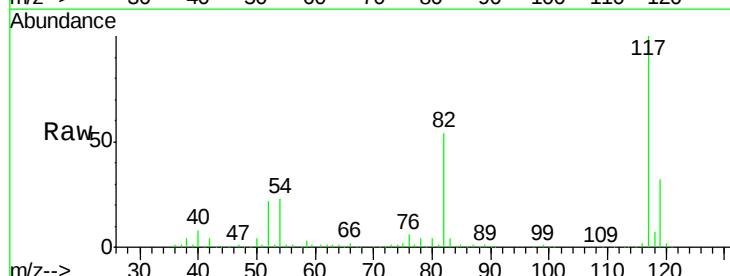
Instrument :
MSVOA_X
ClientSampleId :

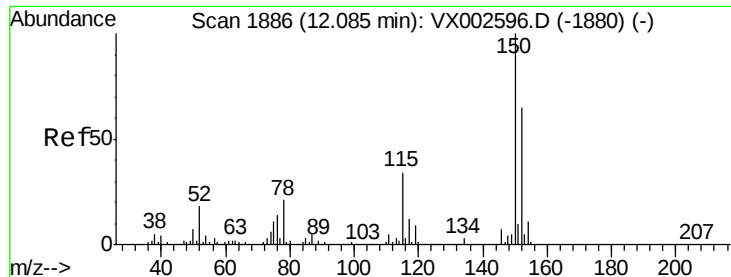
Tot Ion: 95 Resp: 145177
Ion Ratio Lower Upper
95 100
174 97.0 0.0 187.4
176 93.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002725.D
Acq: 19 Jun 2018 20:44

Tgt Ion: 117 Resp: 272951
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.1 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: VX002725.D

Acq: 19 Jun 2018 20:44

Instrument :

MSVOA_X

ClientSampled :

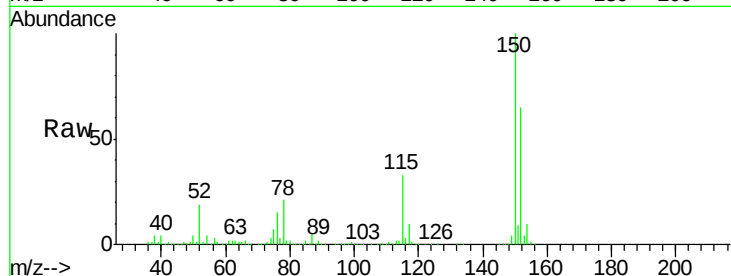
Tot Ion:152 Resp: 153846

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

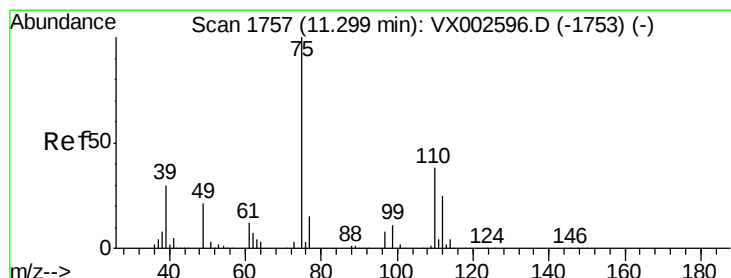
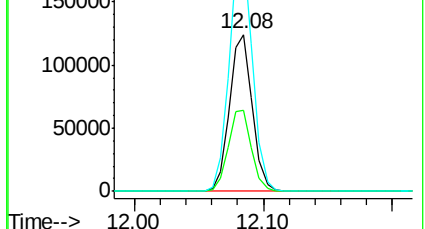
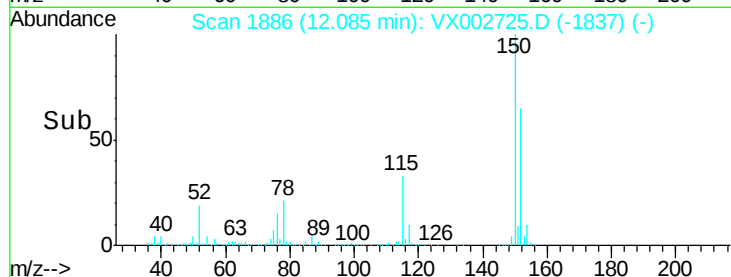
150 156.5 0.0 347.2



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: 26.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002725.D

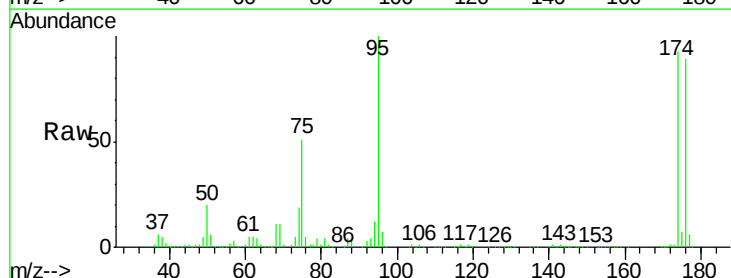
Acq: 19 Jun 2018 20:44

Tgt Ion: 75 Resp: 77292

Ion Ratio Lower Upper

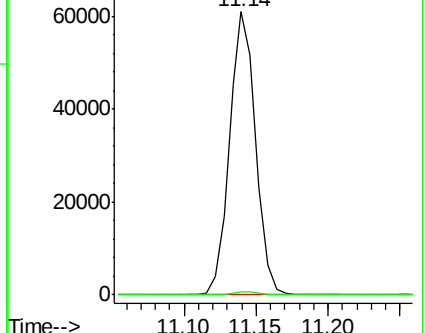
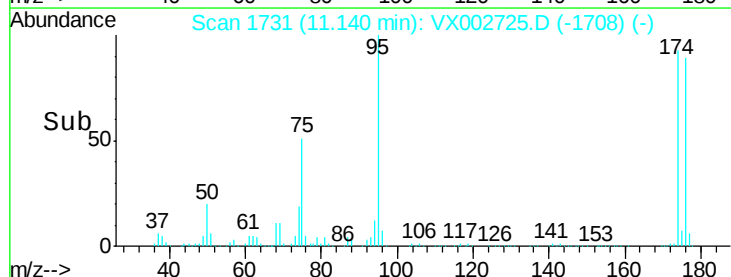
75 100

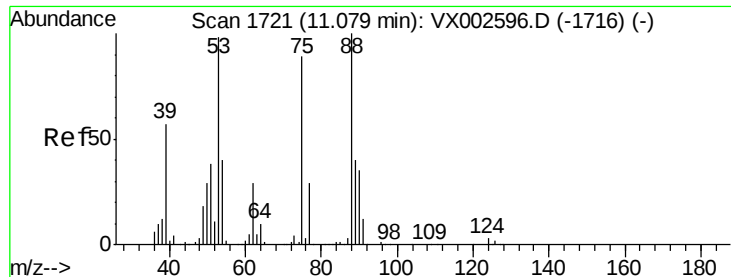
77 1.2 22.8 68.3#



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: 82.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002725.D

Acq: 19 Jun 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 77292

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

