

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001124.D
 Acq On : 25 Apr 2018 17:00
 Operator : JC/MD
 Sample : J2510-02 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:37:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	146836	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	153295	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	5.51	113	114082	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
50) Toluene-d8	8.72	98	448327	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	11.14	95	148176	38.56	ug/l	0.00
Spiked Amount			Recovery	=	77.12%	

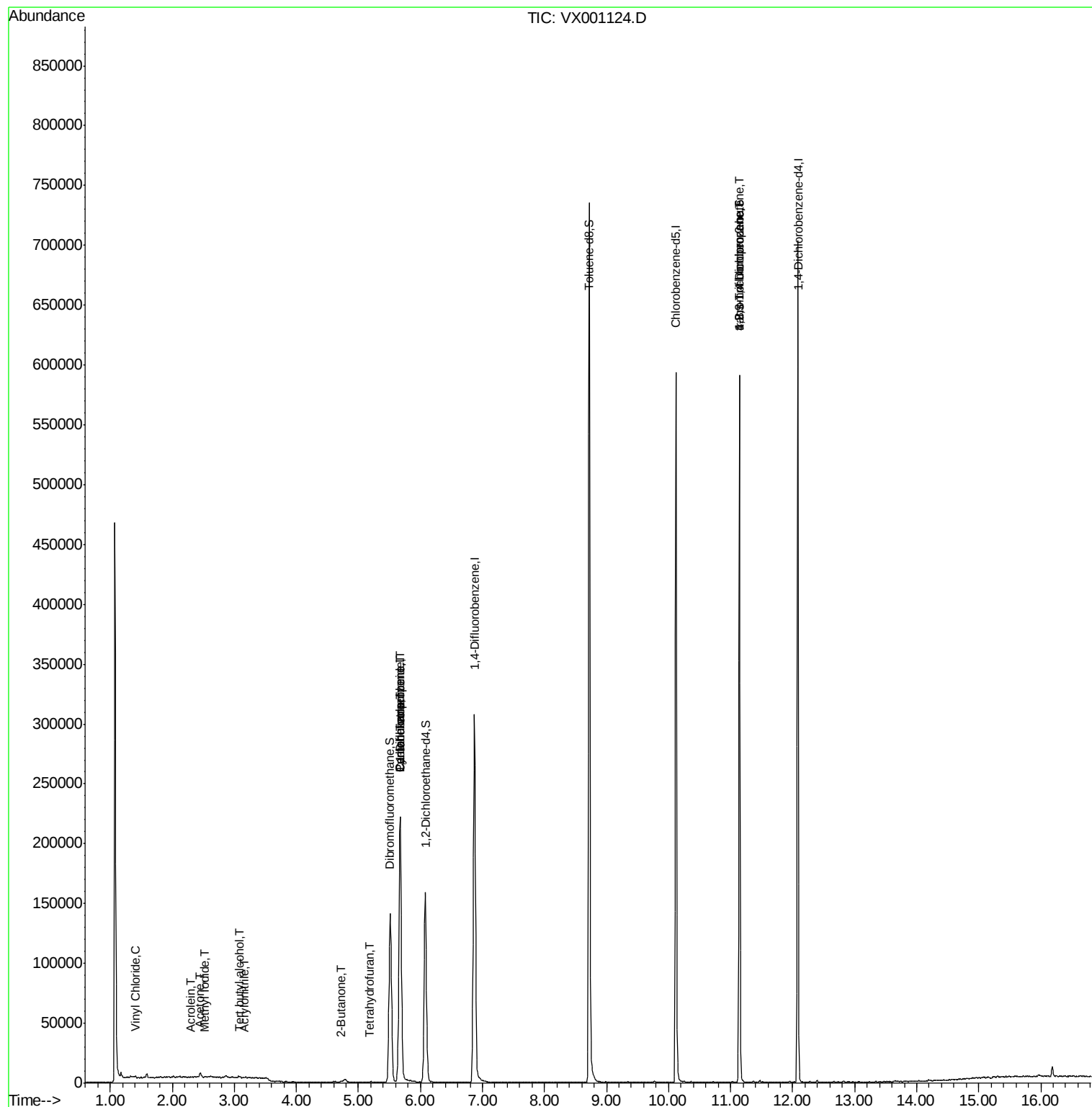
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	946	0.339	ug/l	93
5) Bromomethane	1.66	94	378	Below Cal	#	47
10) Methyl Iodide	2.52	142	229	7.680	ug/l #	80
11) Tert butyl alcohol	3.08	59	1322	2.962	ug/l #	66
13) Acrolein	2.30	56	98	11.608	ug/l #	10
15) Acrylonitrile	3.15	53	391	0.324	ug/l #	57
16) Acetone	2.45	43	4593	4.122	ug/l	95
20) Methylene Chloride	2.86	84	540	Below Cal	#	93
25) 2-Butanone	4.71	43	1331	0.765	ug/l #	74
29) Tetrahydrofuran	5.18	42	231	0.210	ug/l #	57
31) Cyclohexane	5.67	56	4088	0.980	ug/l #	26
36) 1,1-Dichloropropene	5.68	75	14437	3.783	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20690	5.355	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	76901	30.186	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	76901	89.866	ug/l #	8

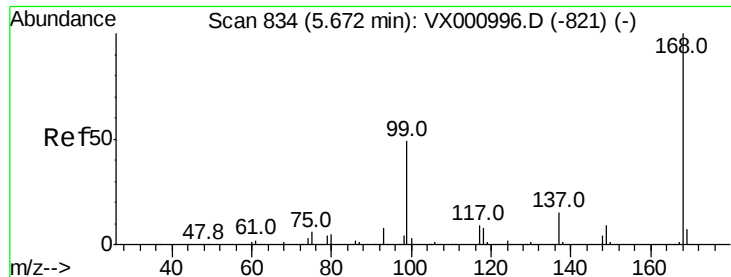
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

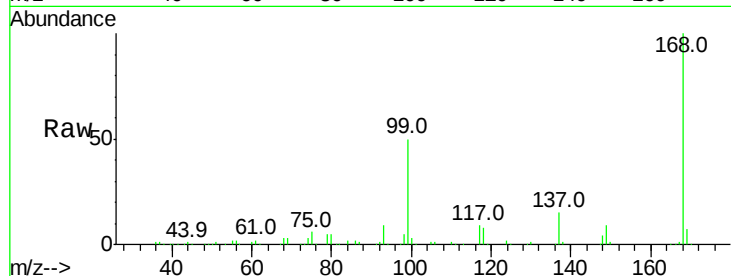
ClientSampleId :

Tot Ion:168 Resp: 233427

Ion Ratio Lower Upper

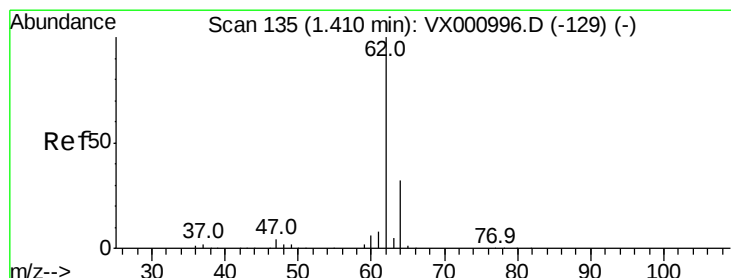
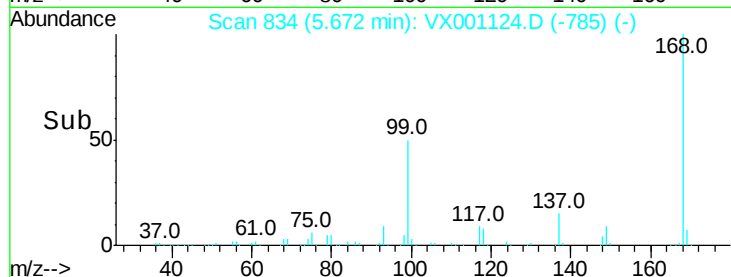
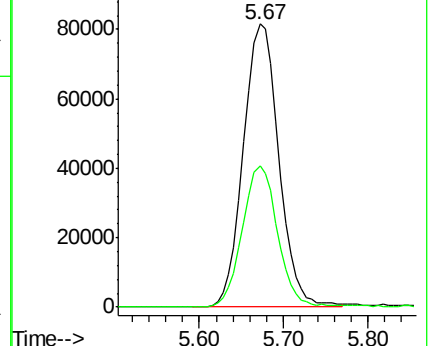
168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.339 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001124.D

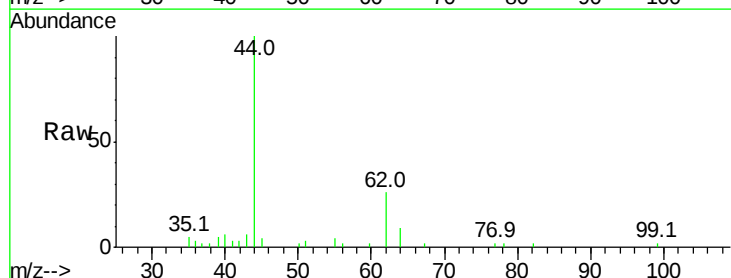
Acq: 25 Apr 2018 17:00

Tgt Ion: 62 Resp: 946

Ion Ratio Lower Upper

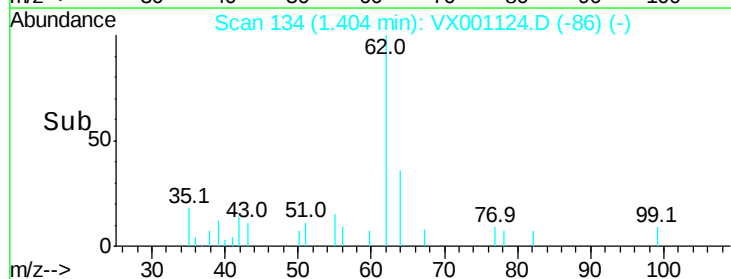
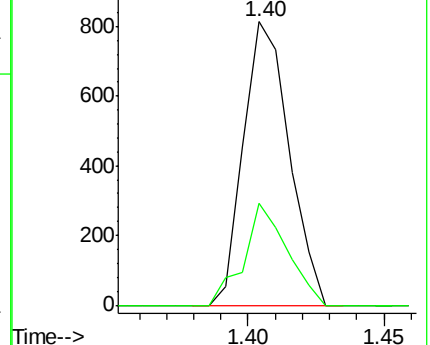
62 100

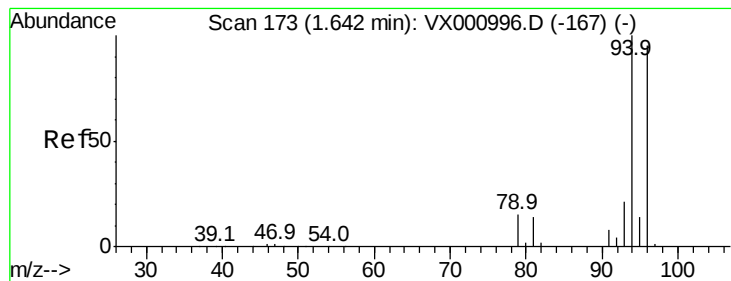
64 35.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

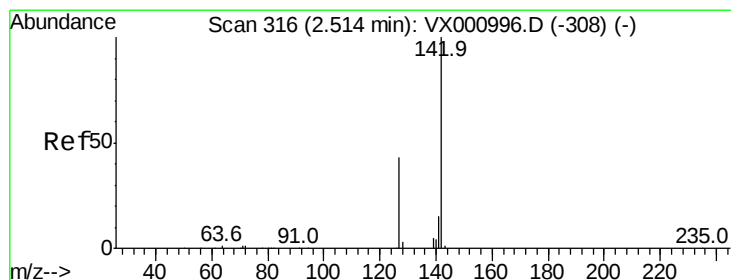
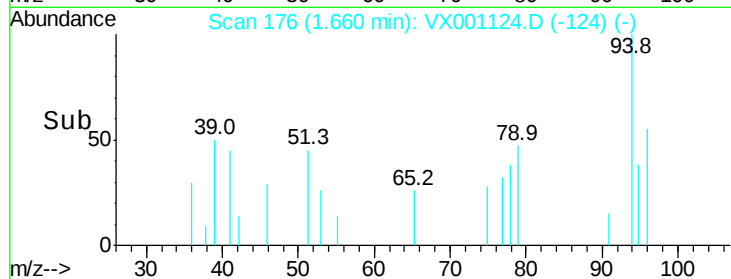
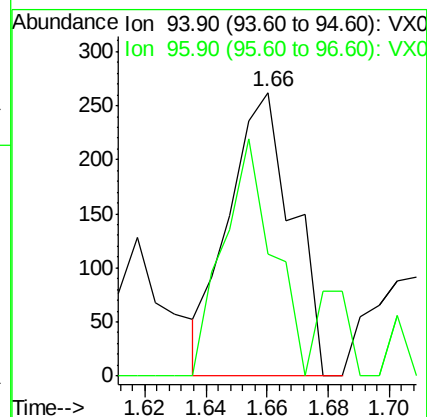
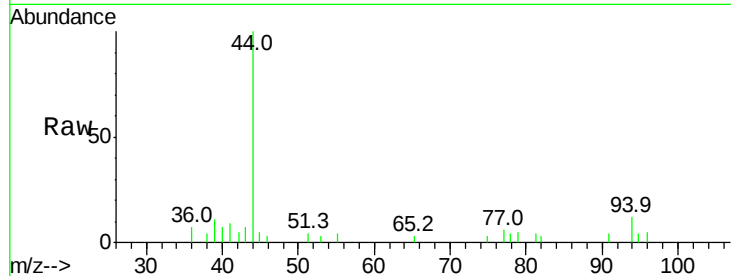
ClientSampled :

Tot Ion: 94 Resp: 378

Ion Ratio Lower Upper

94 100

96 43.1 76.0 114.0#



#10

Methyl Iodide

Concen: 7.680 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

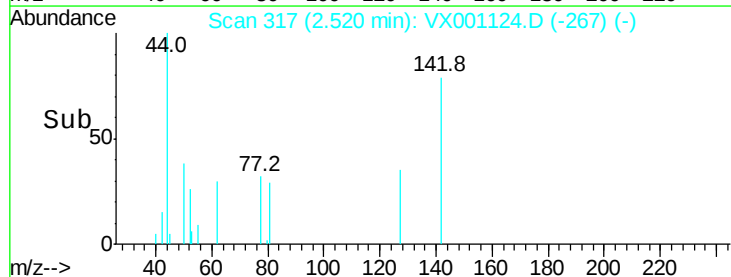
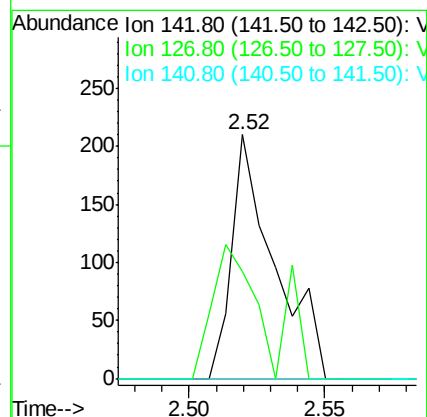
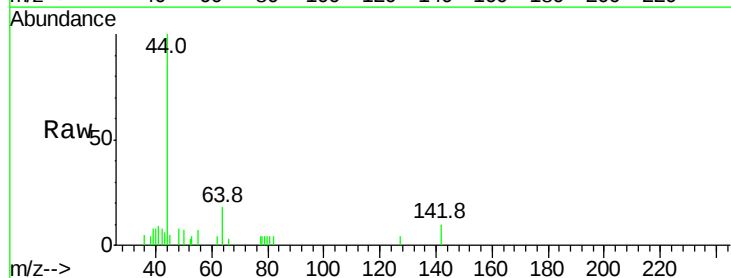
Tgt Ion:142 Resp: 229

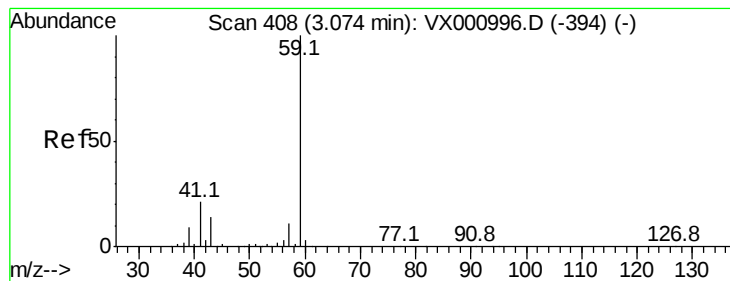
Ion Ratio Lower Upper

142 100

127 52.4 34.0 51.0#

141 0.0 11.4 17.2#



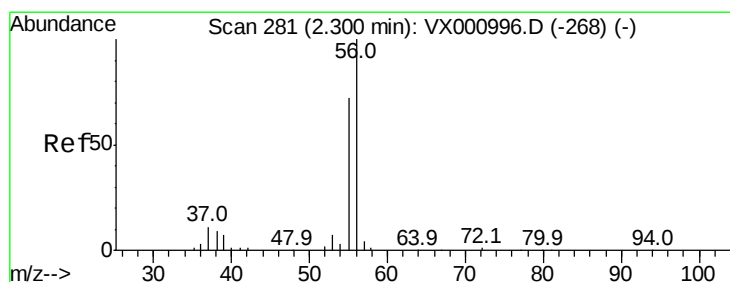
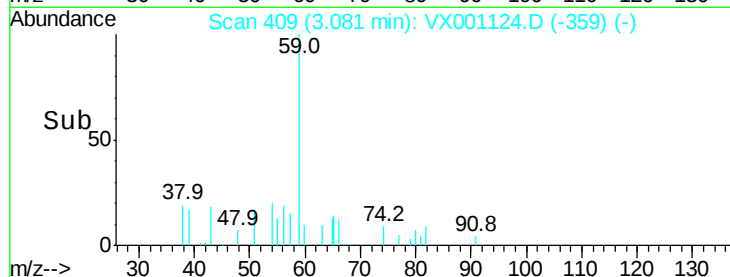
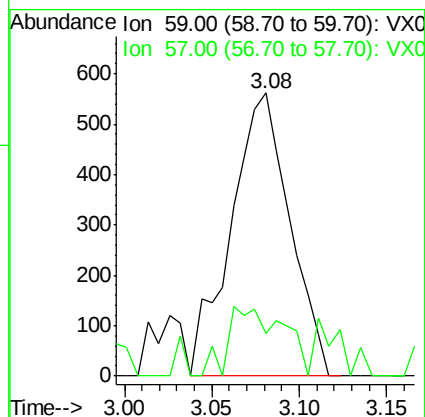
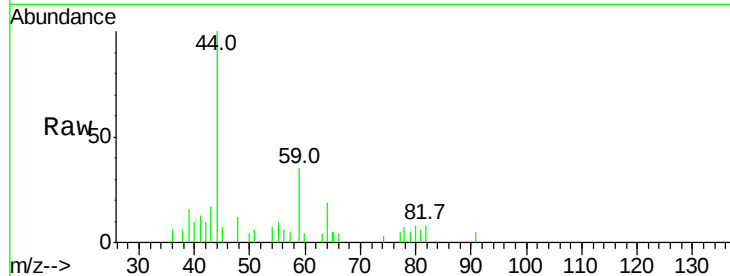


#11

Tert butyl alcohol
 Concen: 2.962 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX001124.D
 Acq: 25 Apr 2018 17:00

Instrument :
 MSVOA_X
 ClientSampled :

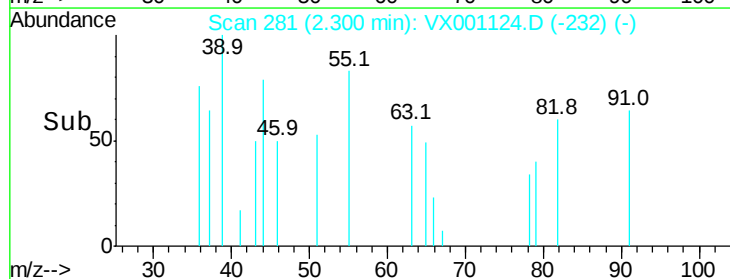
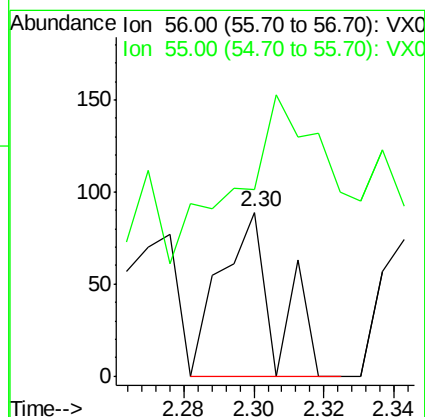
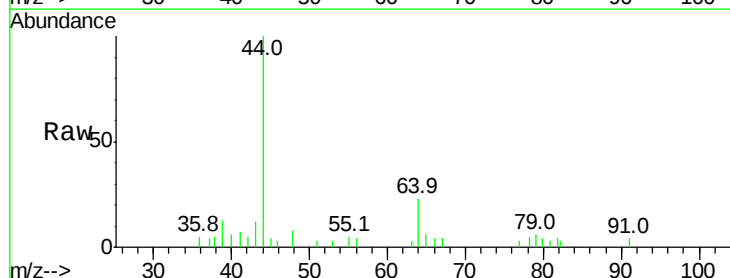
Tot Ion: 59 Resp: 1322
 Ion Ratio Lower Upper
 59 100
 57 23.1 8.3 12.5#

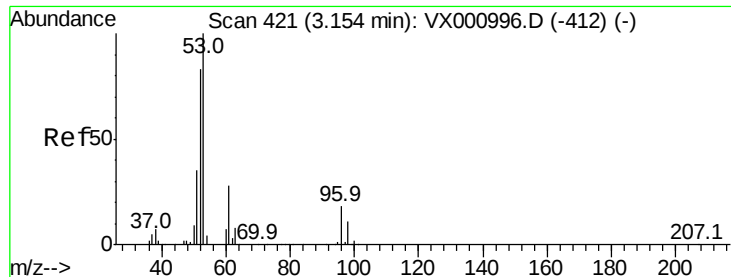


#13

Acrolein
 Concen: 11.608 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: VX001124.D
 Acq: 25 Apr 2018 17:00

Tgt Ion: 56 Resp: 98
 Ion Ratio Lower Upper
 56 100
 55 146.9 57.4 86.2#





#15

Acrylonitrile

Concen: 0.324 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :
MSVOA_X
ClientSampled :

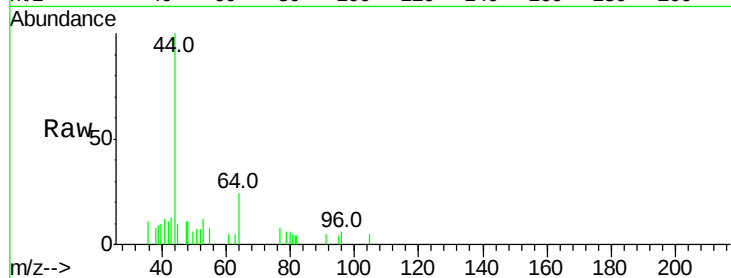
Tot Ion: 53 Resp: 391

Ion Ratio Lower Upper

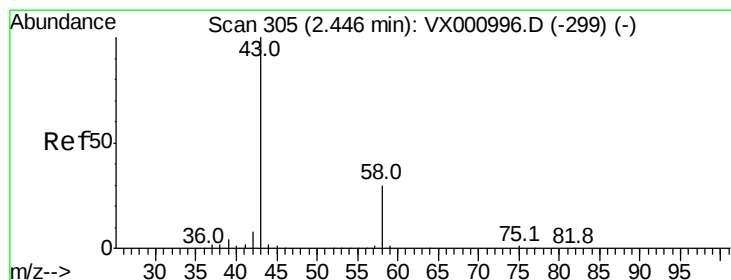
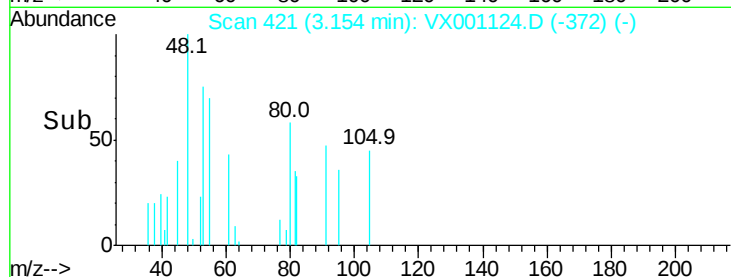
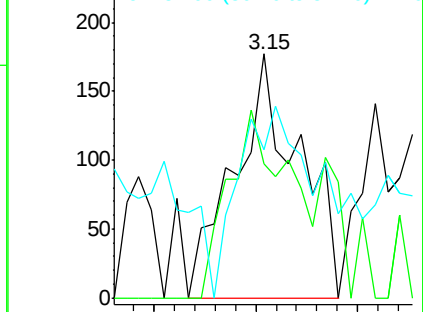
53 100

52 72.6 66.4 99.6

51 103.6 29.0 43.6#



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: 4.122 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001124.D

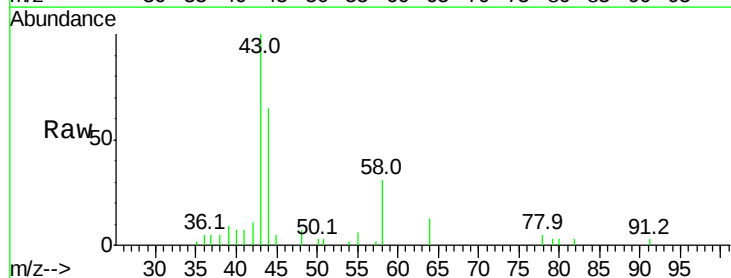
Acq: 25 Apr 2018 17:00

Tgt Ion: 43 Resp: 4593

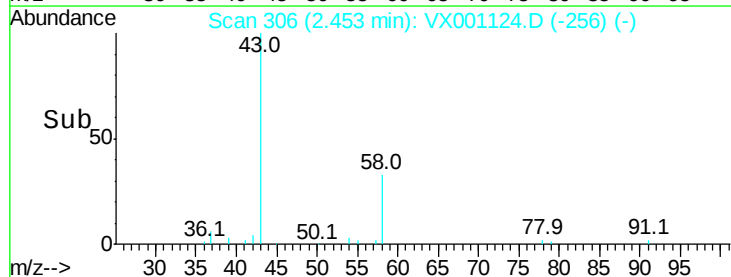
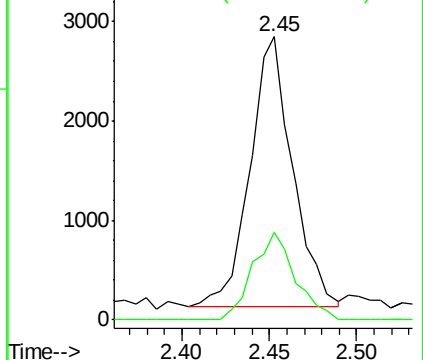
Ion Ratio Lower Upper

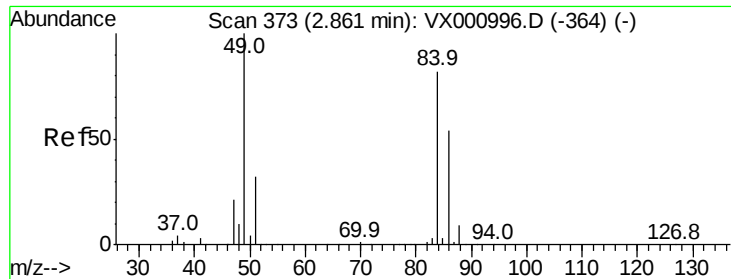
43 100

58 32.2 23.7 35.5



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

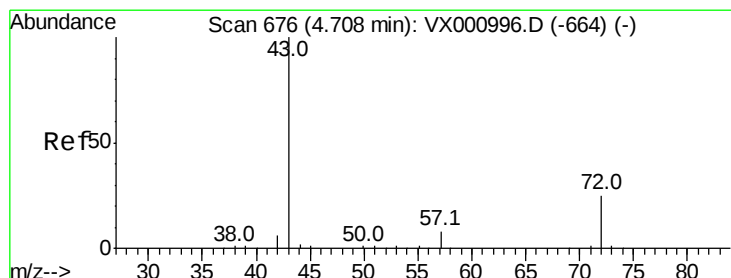
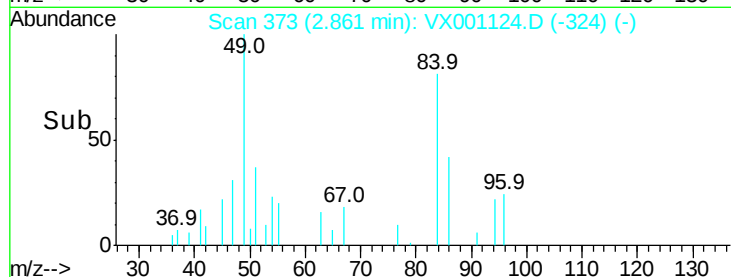
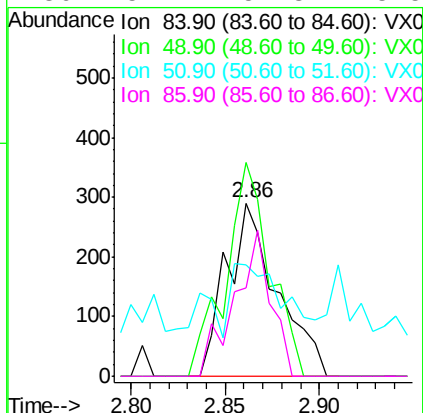
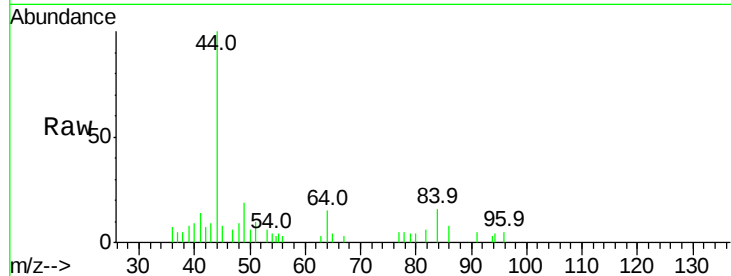




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001124.D
Acq: 25 Apr 2018 17:00

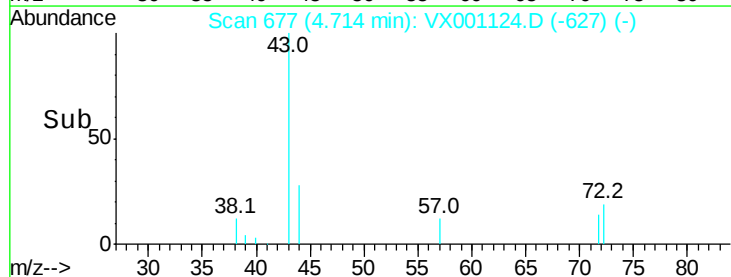
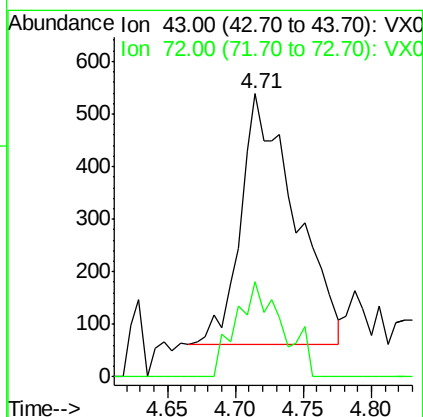
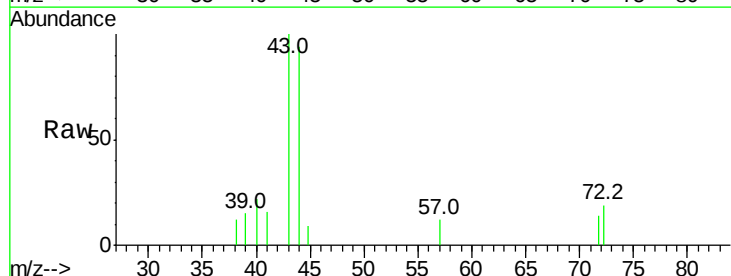
Instrument :
MSVOA_X
ClientSampled :

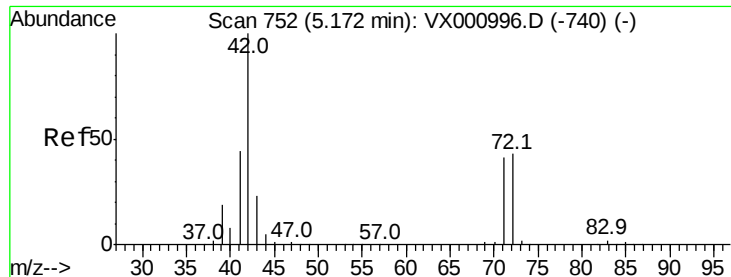
Tot Ion: 84 Resp: 540
Ion Ratio Lower Upper
84 100
49 123.4 97.1 145.7
51 35.9 30.8 46.2
86 51.4 52.3 78.5#



#25
2-Butanone
Concen: 0.765 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX001124.D
Acq: 25 Apr 2018 17:00

Tgt Ion: 43 Resp: 1331
Ion Ratio Lower Upper
43 100
72 38.2 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

ClientSampled :

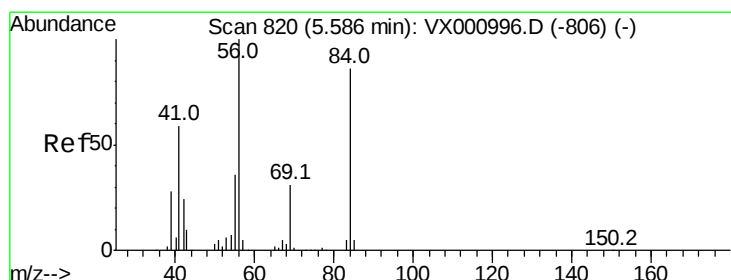
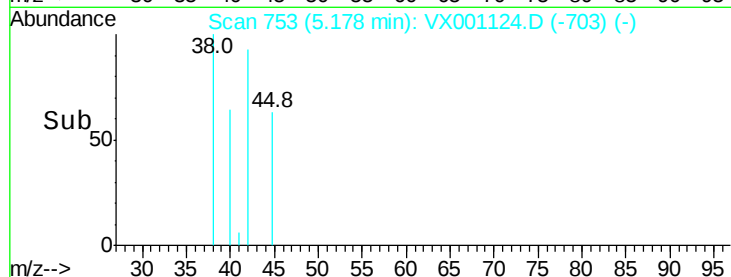
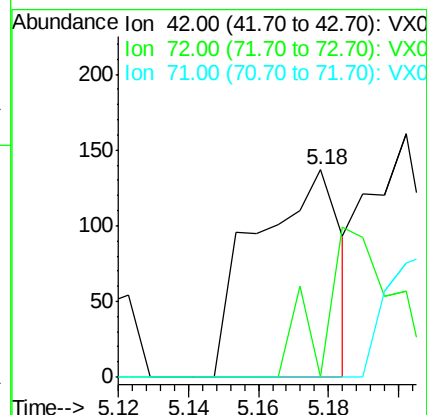
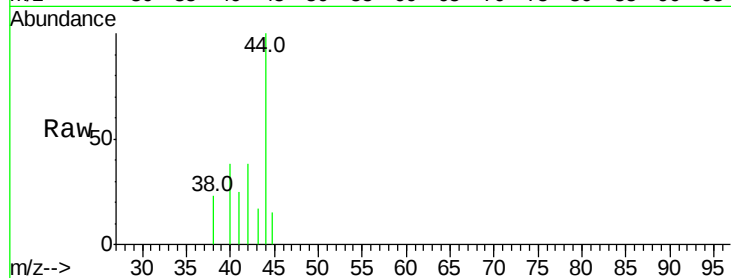
Tot Ion: 42 Resp: 231

Ion Ratio Lower Upper

42 100

72 57.1 34.6 52.0#

71 0.0 32.6 49.0#



#31

Cyclohexane

Concen: 0.980 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

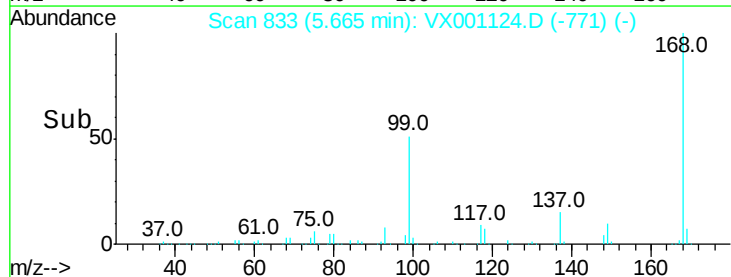
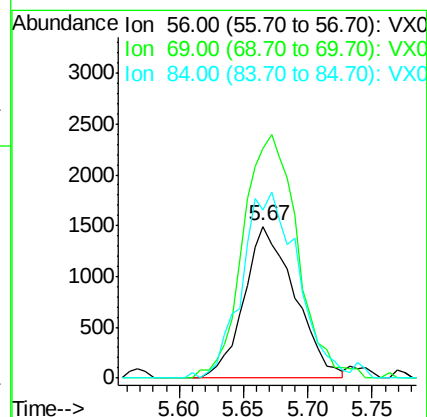
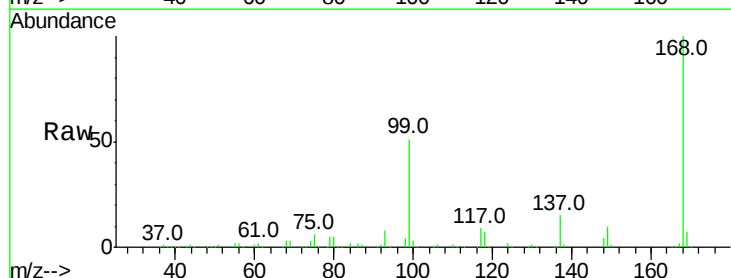
Tgt Ion: 56 Resp: 4088

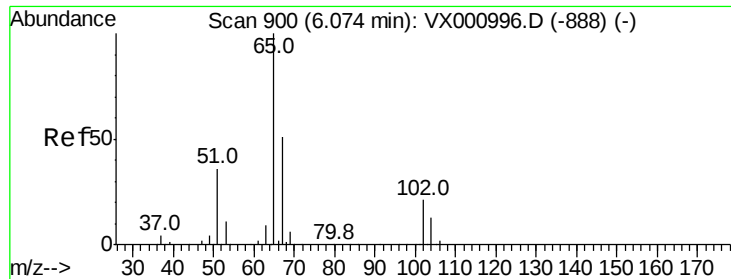
Ion Ratio Lower Upper

56 100

69 150.8 24.6 36.8#

84 107.1 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 51.806 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

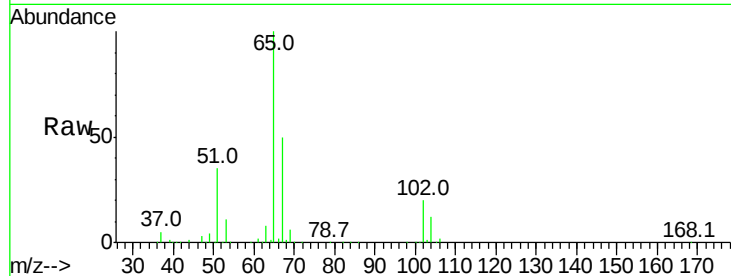
ClientSampleId :

Tot Ion: 65 Resp: 153295

Ion Ratio Lower Upper

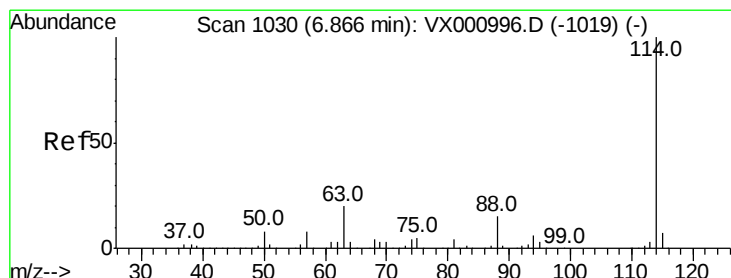
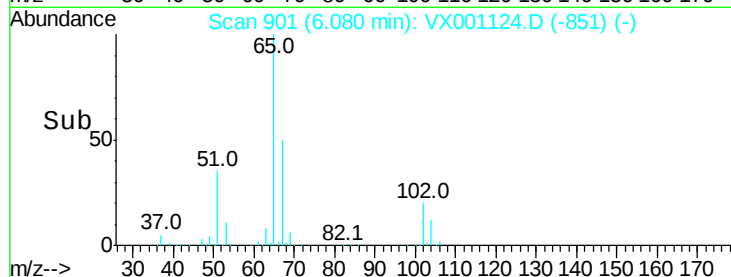
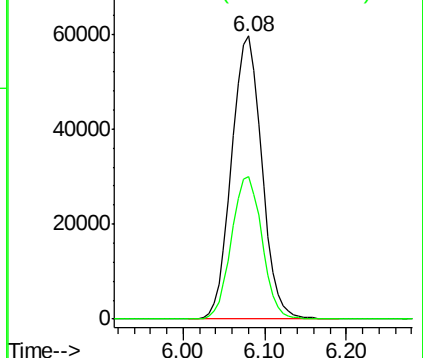
65 100

67 51.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

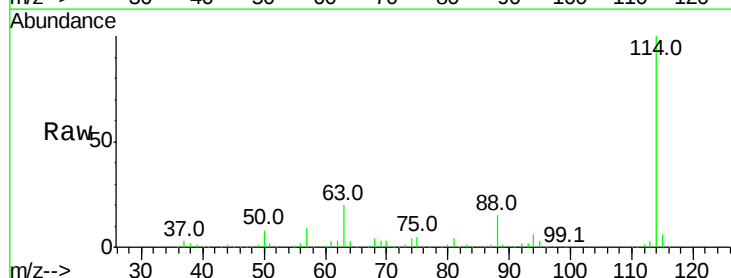
Tgt Ion:114 Resp: 324719

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

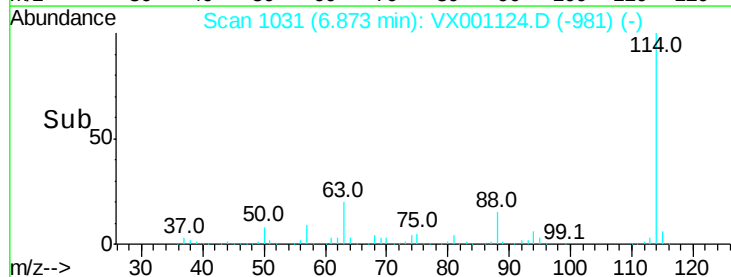
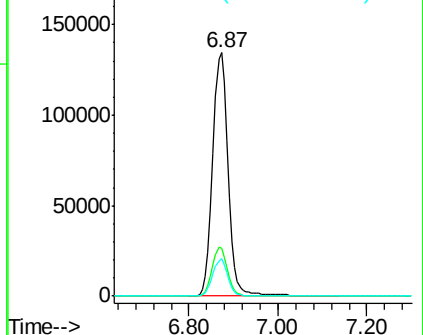
88 15.3 0.0 29.8

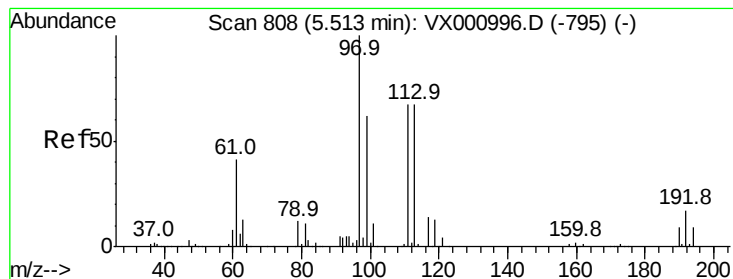


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.073 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

ClientSampled :

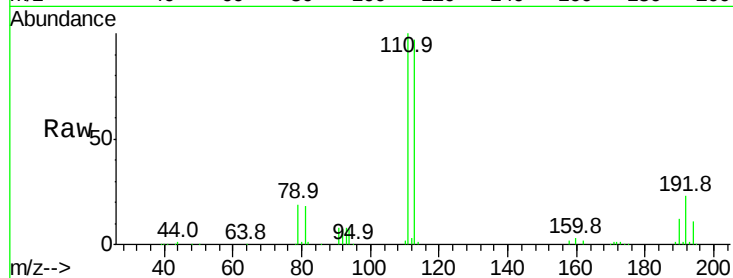
Tot Ion:113 Resp: 114082

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

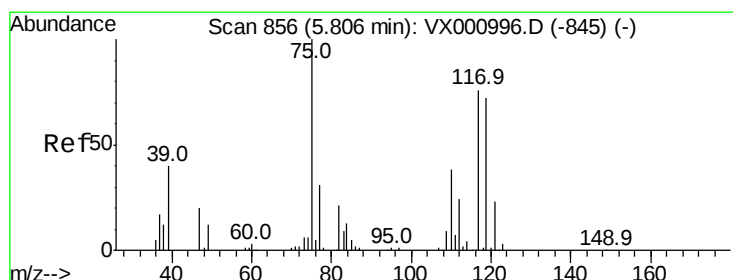
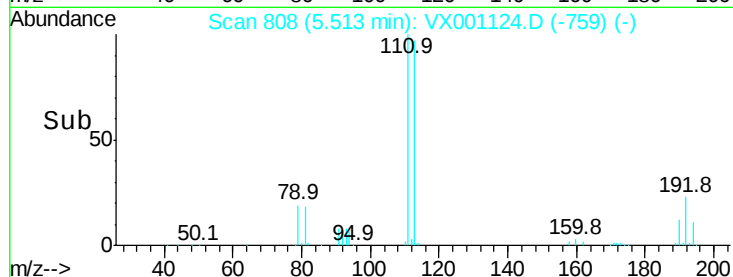
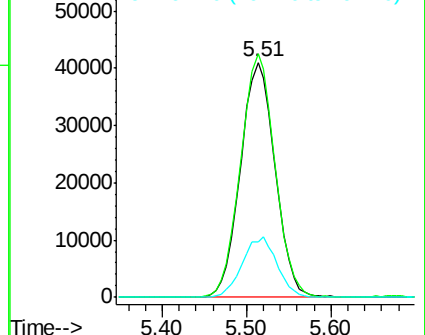
192 25.6 20.4 30.6



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: 3.783 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

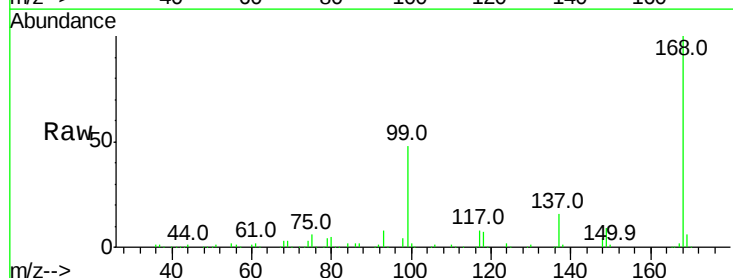
Tgt Ion: 75 Resp: 14437

Ion Ratio Lower Upper

75 100

110 10.6 18.7 56.1#

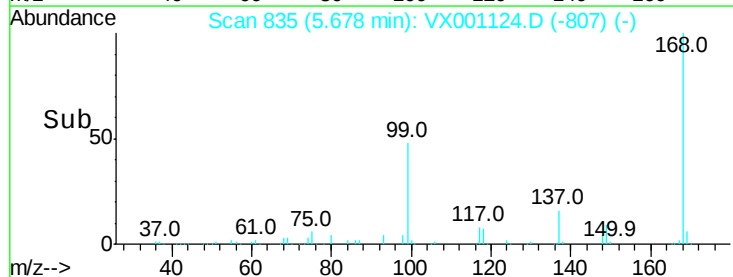
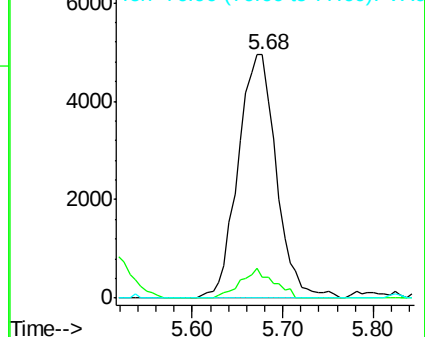
77 0.0 25.0 37.4#

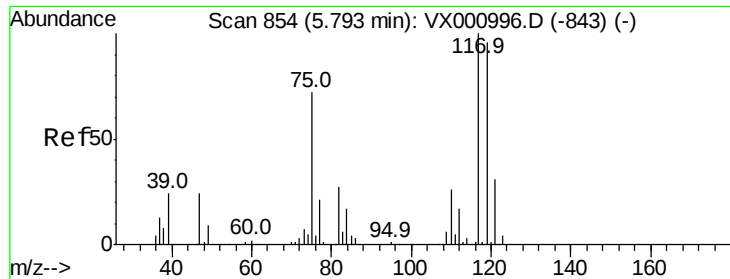


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

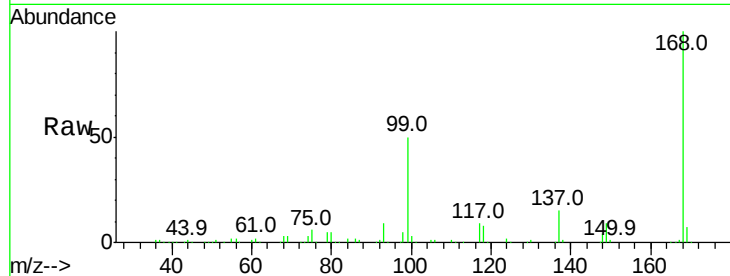




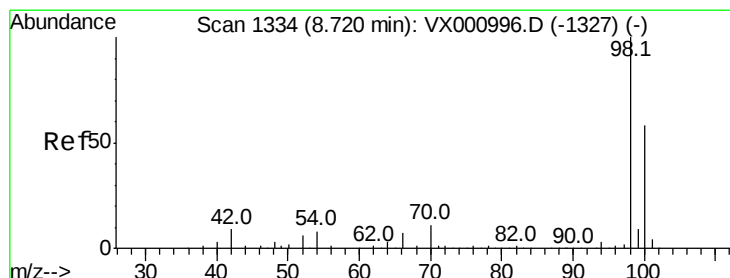
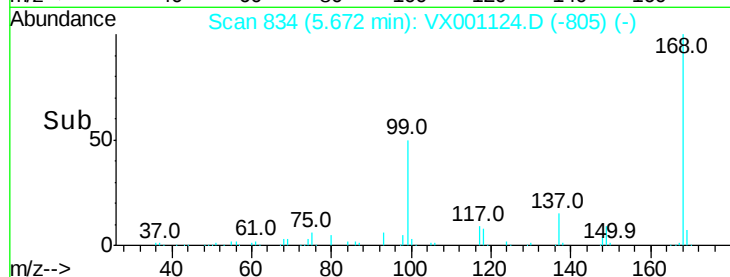
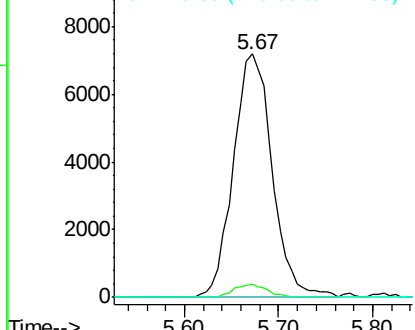
#38
Carbon Tetrachloride
Concen: 5.355 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001124.D
Acq: 25 Apr 2018 17:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 20690
Ion Ratio Lower Upper
117 100
119 5.4 76.5 114.7#
121 0.0 24.5 36.7#

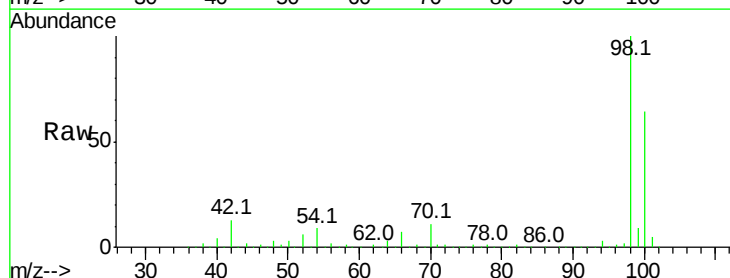


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

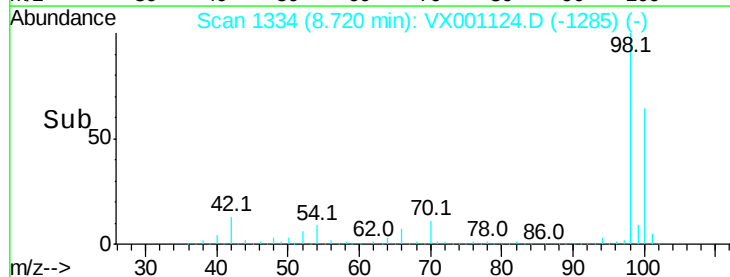
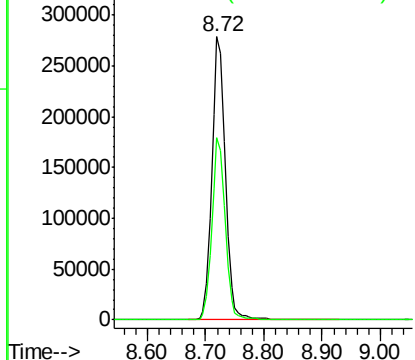


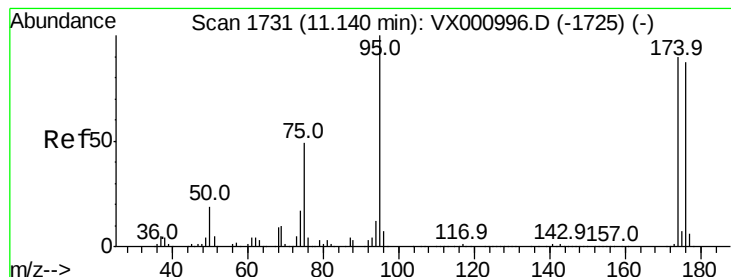
#50
Toluene-d8
Concen: 48.967 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001124.D
Acq: 25 Apr 2018 17:00

Tgt Ion: 98 Resp: 448327
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



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





#62

4-Bromofluorobenzene

Concen: 38.563 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

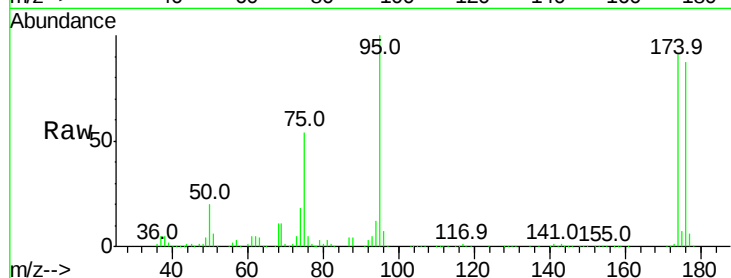
Tot Ion: 95 Resp: 148176

Ion Ratio Lower Upper

95 100

174 97.7 0.0 198.4

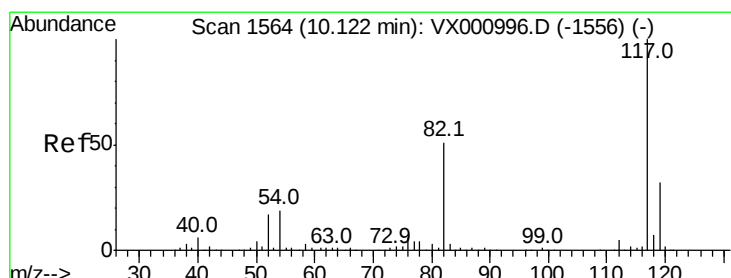
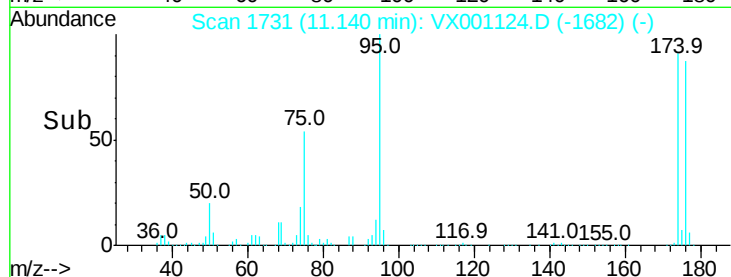
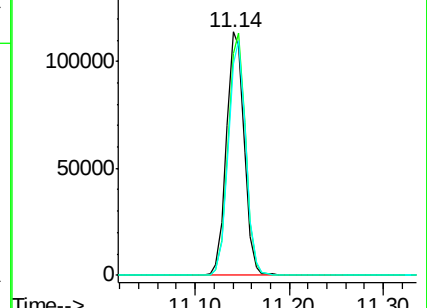
176 94.7 0.0 192.0



Abundance Ion 94.90 (94.60 to 95.60): VX000996.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000996.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000996.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

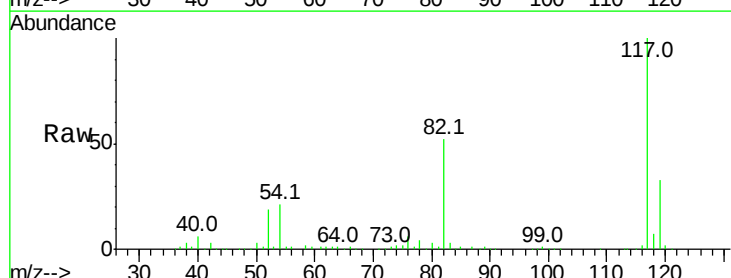
Tgt Ion: 117 Resp: 279842

Ion Ratio Lower Upper

117 100

82 52.1 40.6 60.8

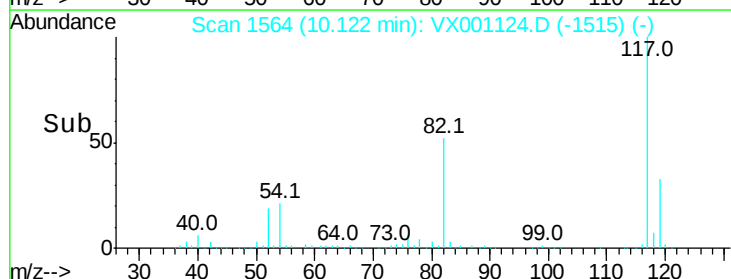
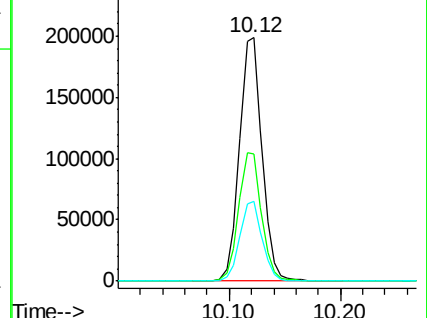
119 32.8 26.0 39.0

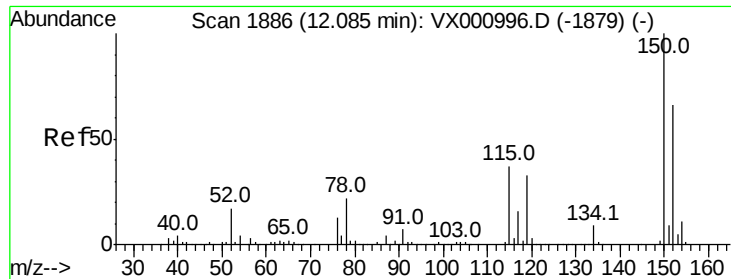


Abundance Ion 116.90 (116.60 to 117.60): VX000996.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000996.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000996.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

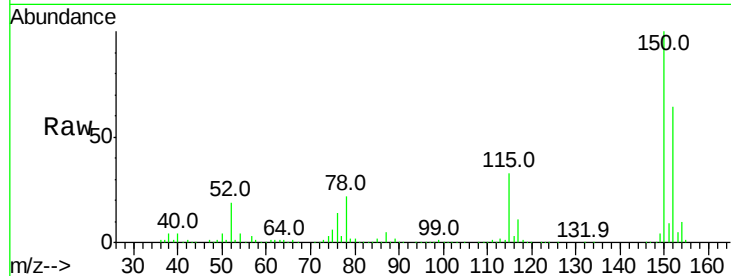
Tot Ion:152 Resp: 146836

Ion Ratio Lower Upper

152 100

115 52.9 38.2 114.6

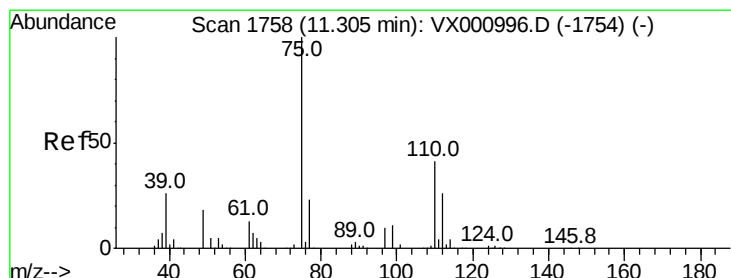
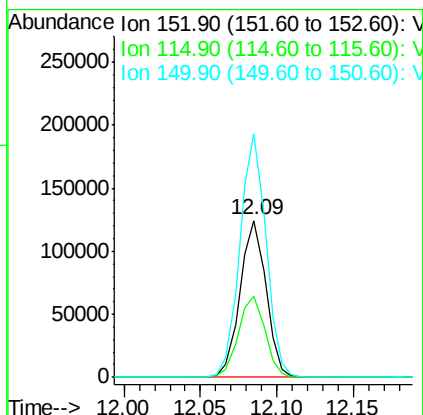
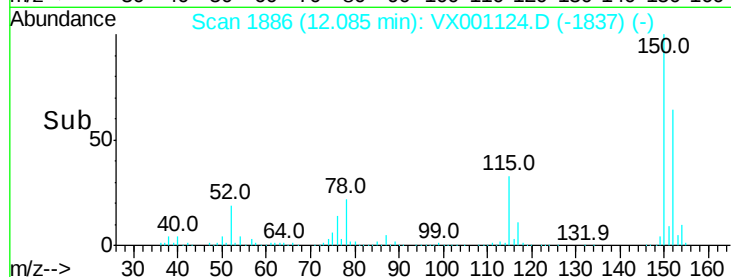
150 155.3 0.0 350.4



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: 30.186 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001124.D

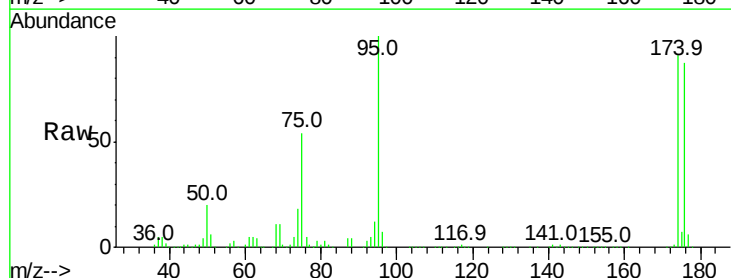
Acq: 25 Apr 2018 17:00

Tgt Ion: 75 Resp: 76901

Ion Ratio Lower Upper

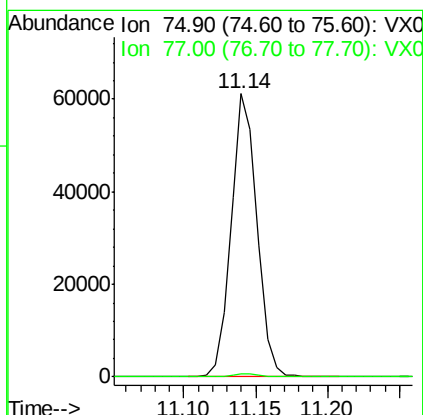
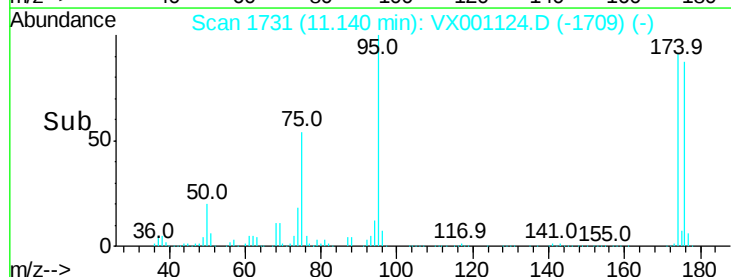
75 100

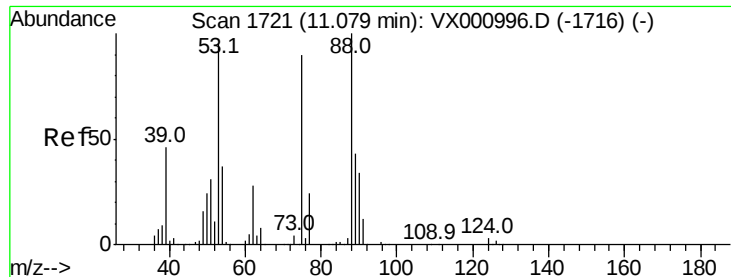
77 1.1 19.6 58.7#



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: 89.866 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001124.D

Acq: 25 Apr 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 76901

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#

