

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001130.D
 Acq On : 25 Apr 2018 19:55
 Operator : JC/MD
 Sample : J2464-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:40:28 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	253242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191506	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	176070	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
35) Dibromofluoromethane	5.51	113	135267	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	8.72	98	544898	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
62) 4-Bromofluorobenzene	11.14	95	206571	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

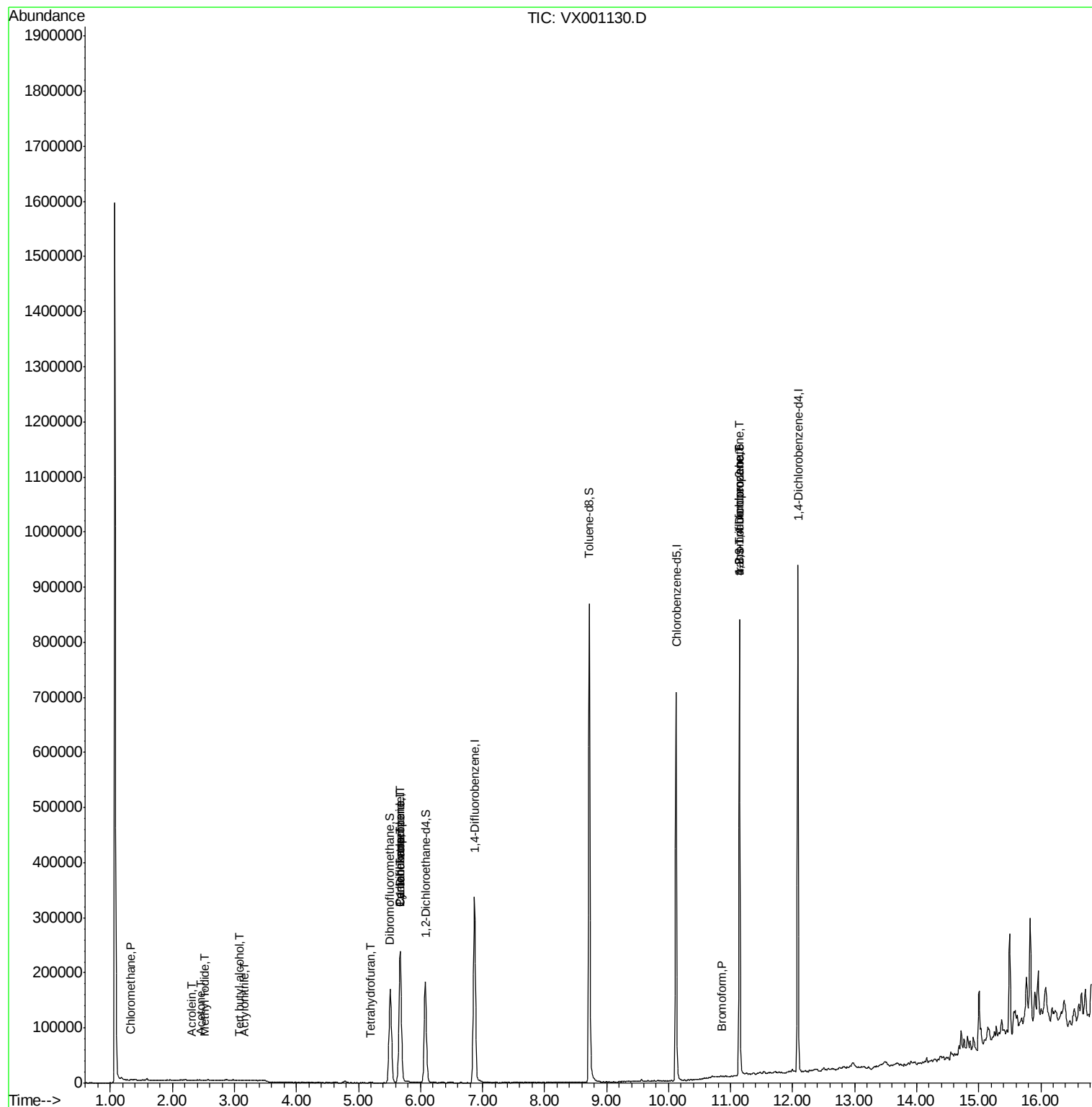
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	780	0.267	ug/l #	85
5) Bromomethane	1.66	94	368	Below Cal	#	59
10) Methyl Iodide	2.52	142	249	7.680	ug/l #	76
11) Tert butyl alcohol	3.08	59	147	0.304	ug/l #	39
13) Acrolein	2.31	56	189	12.132	ug/l #	14
15) Acrylonitrile	3.15	53	305	0.233	ug/l #	58
16) Acetone	2.46	43	1036	0.857	ug/l #	85
20) Methylene Chloride	2.87	84	327	Below Cal	#	78
29) Tetrahydrofuran	5.20	42	315	0.264	ug/l #	38
31) Cyclohexane	5.67	56	4540	1.003	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16168	3.883	ug/l #	49
38) Carbon Tetrachloride	5.68	117	21992	5.216	ug/l #	15
71) Bromoform	10.86	173	227	2.802	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	106031	31.912	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	106031	94.819	ug/l #	8

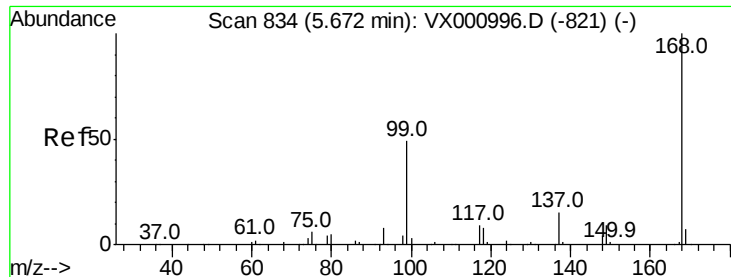
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

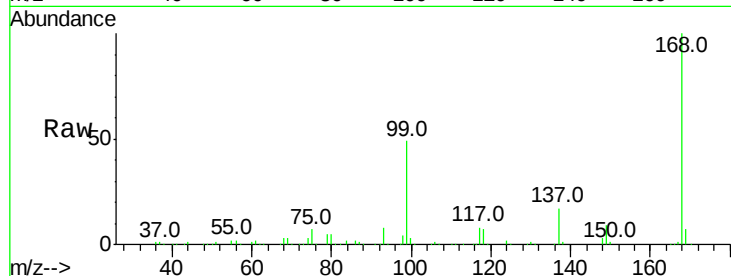
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 253242

Ion Ratio Lower Upper

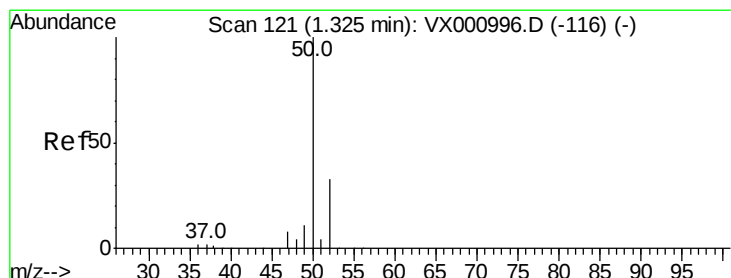
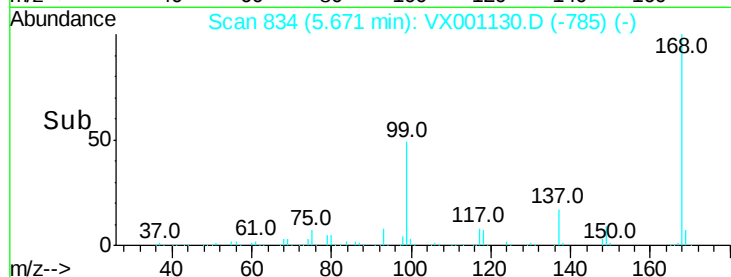
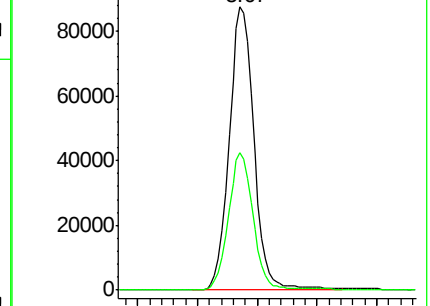
168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001130.D

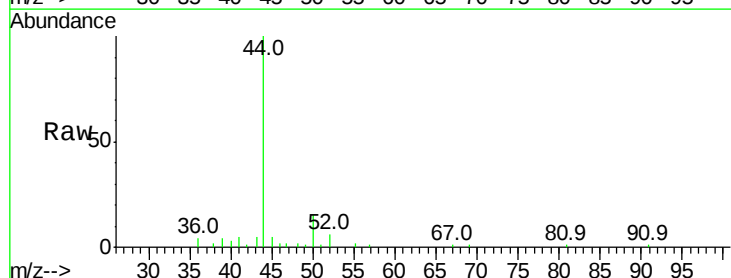
Acq: 25 Apr 2018 19:55

Tgt Ion: 50 Resp: 780

Ion Ratio Lower Upper

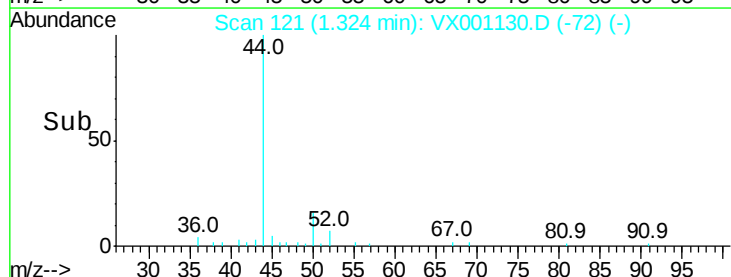
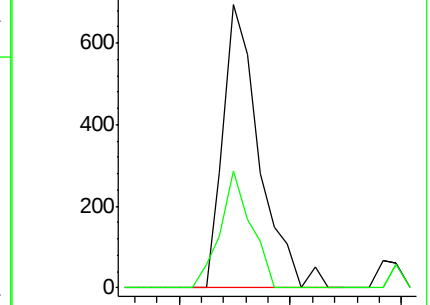
50 100

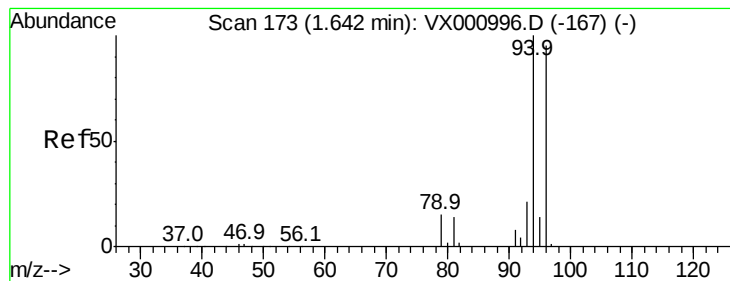
52 41.4 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

Instrument :

MSVOA_X

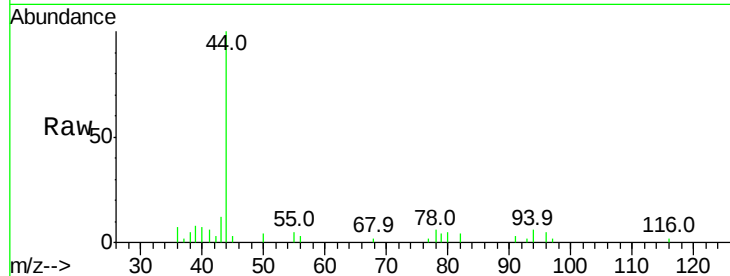
ClientSampled :

Tot Ion: 94 Resp: 368

Ion Ratio Lower Upper

94 100

96 55.3 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

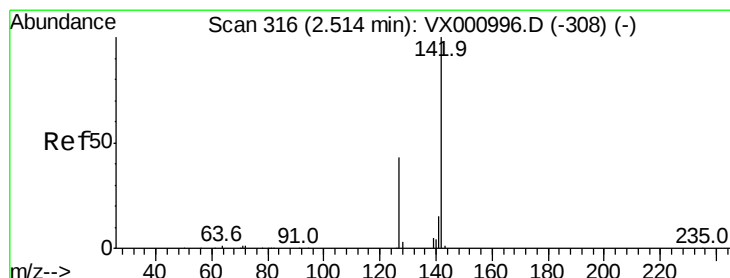
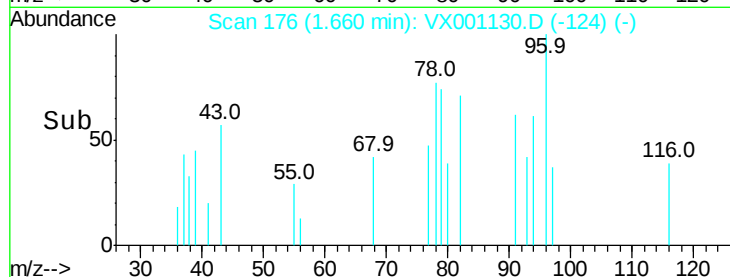
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 7.680 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

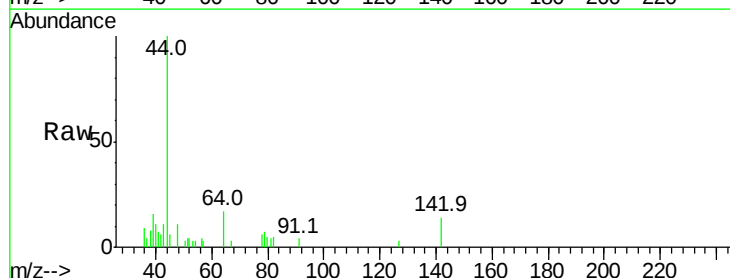
Tgt Ion:142 Resp: 249

Ion Ratio Lower Upper

142 100

127 29.3 34.0 51.0#

141 0.0 11.4 17.2#



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

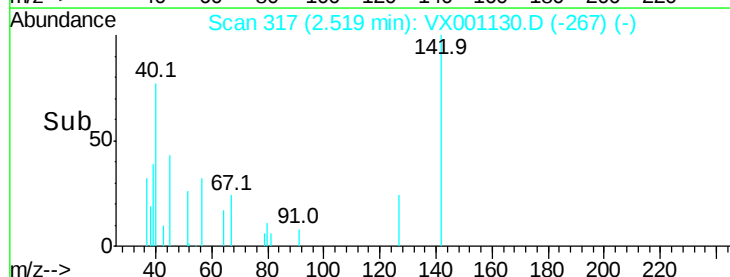
300

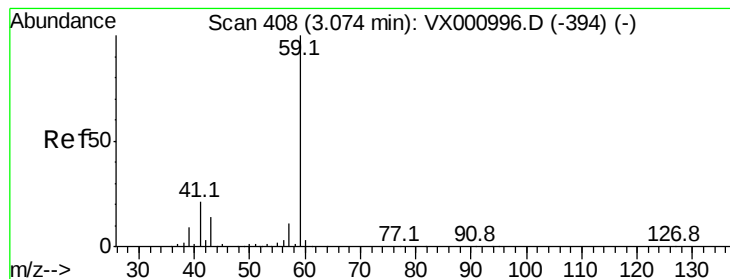
200

100

0

Time-->



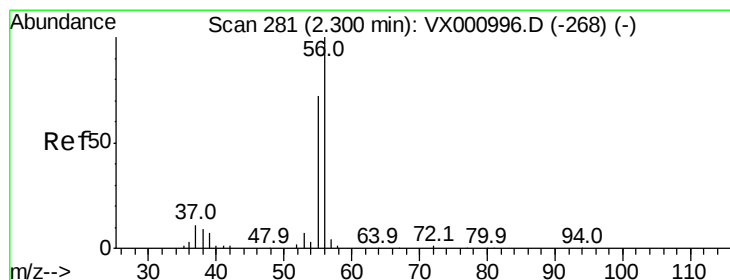
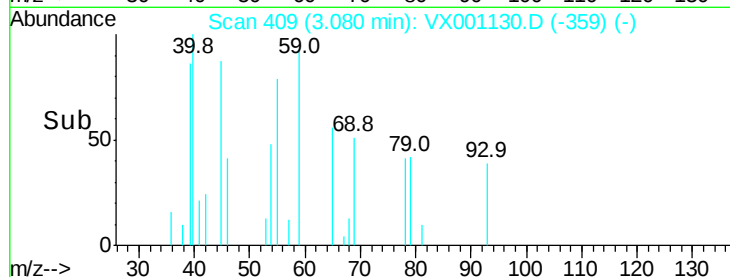
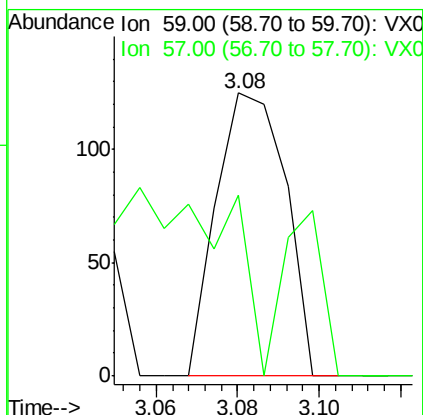
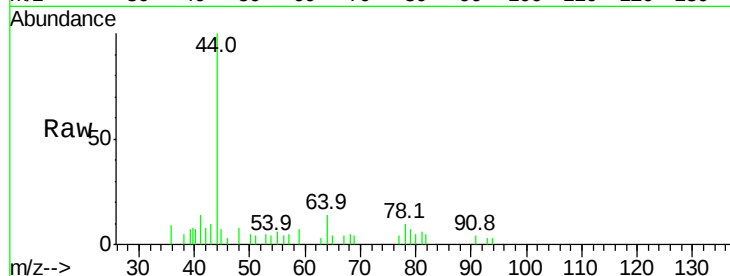


#11

Tert butyl alcohol
 Concen: 0.304 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX001130.D
 Acq: 25 Apr 2018 19:55

Instrument :
 MSVOA_X
 ClientSampled :

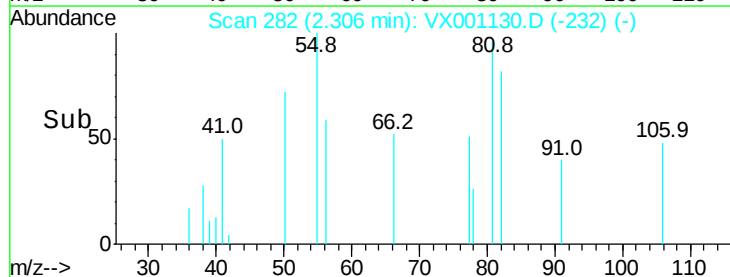
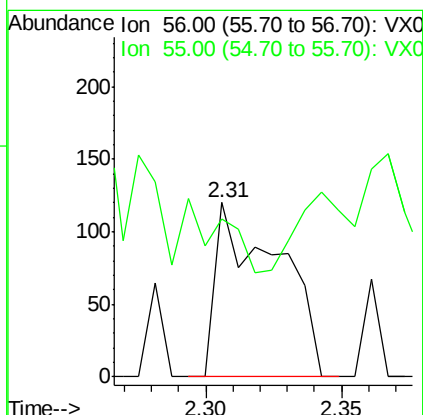
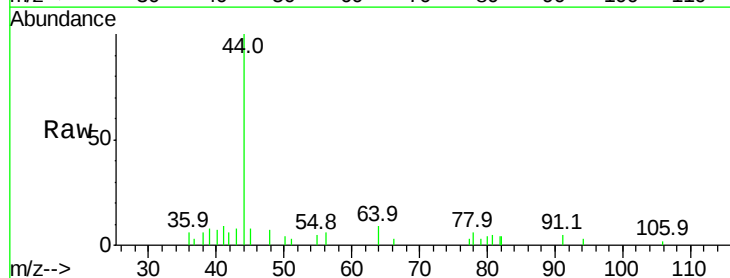
Tot Ion: 59 Resp: 147
 Ion Ratio Lower Upper
 59 100
 57 33.3 8.3 12.5#

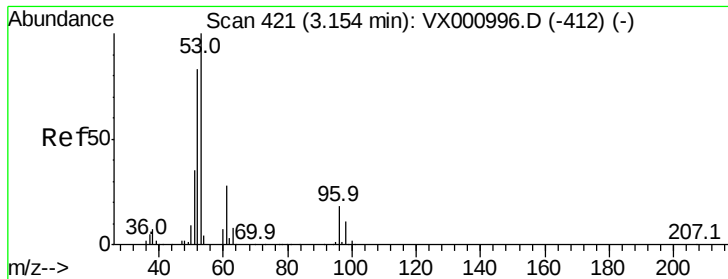


#13

Acrolein
 Concen: 12.132 ug/l
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX001130.D
 Acq: 25 Apr 2018 19:55

Tgt Ion: 56 Resp: 189
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.4 86.2#





#15

Acrylonitrile

Concen: 0.233 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

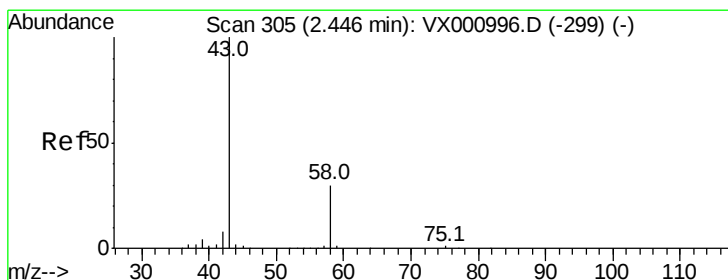
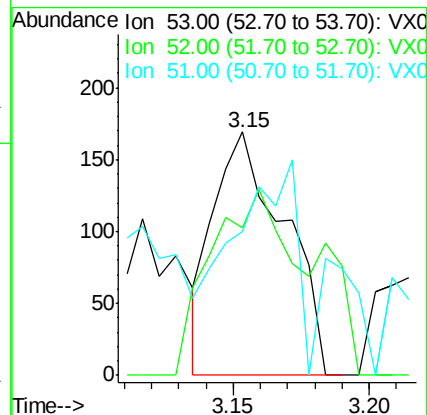
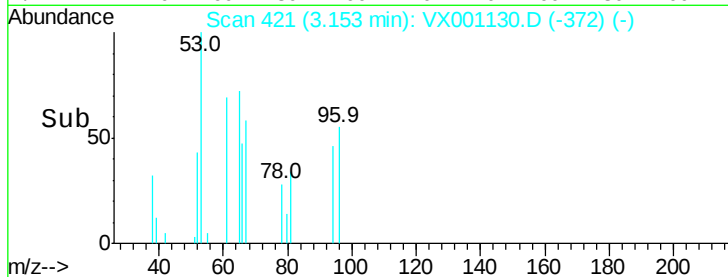
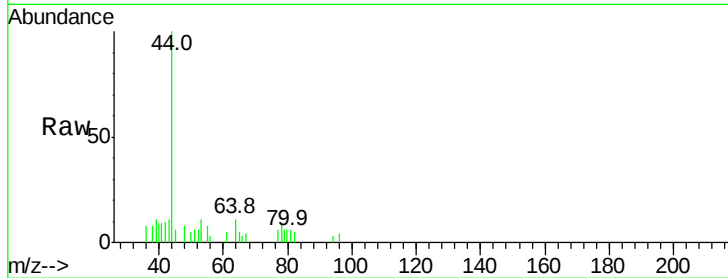
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 53 Resp: 305

Ion	Ratio	Lower	Upper
53	100		
52	108.2	66.4	99.6#
51	79.7	29.0	43.6#



#16

Acetone

Concen: 0.857 ug/l

RT: 2.46 min Scan# 307

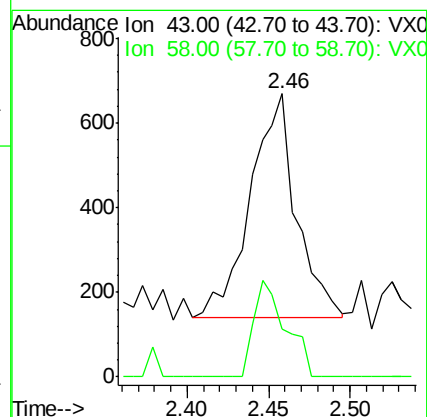
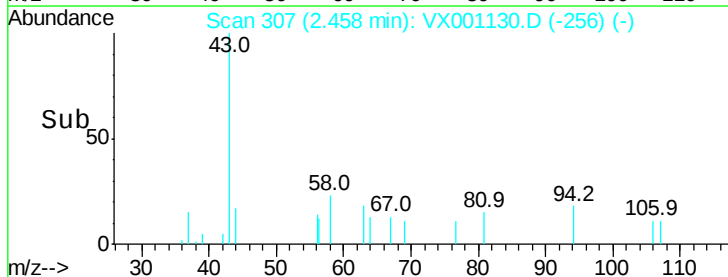
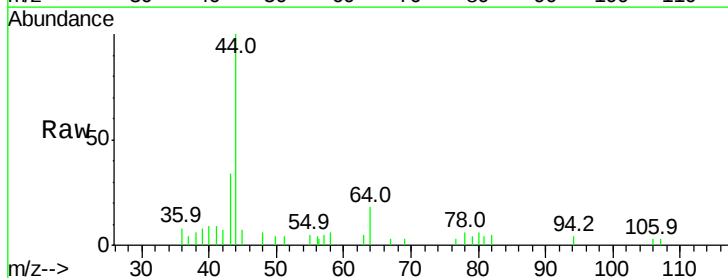
Delta R.T. 0.01 min

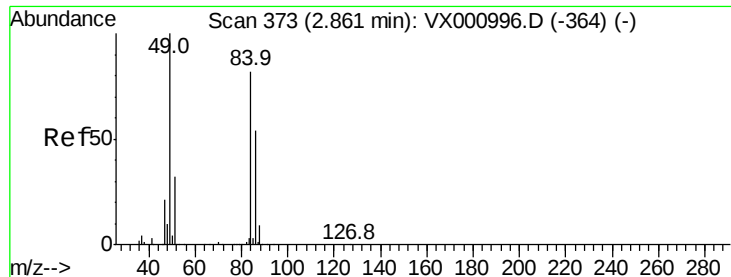
Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

Tgt Ion: 43 Resp: 1036

Ion	Ratio	Lower	Upper
43	100		
58	21.6	23.7	35.5#

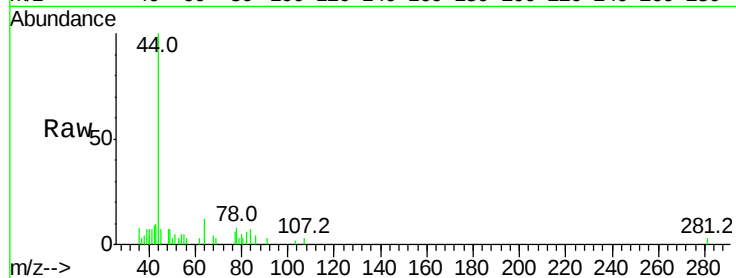




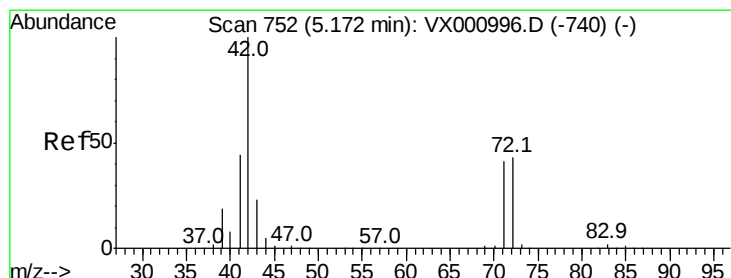
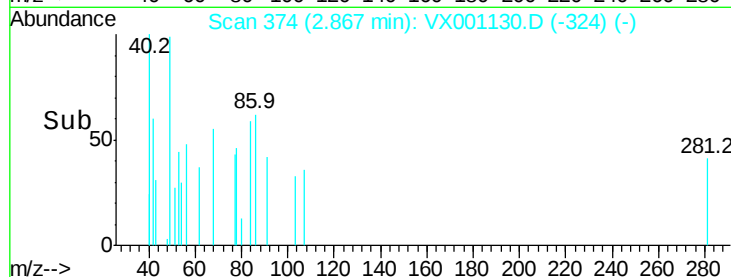
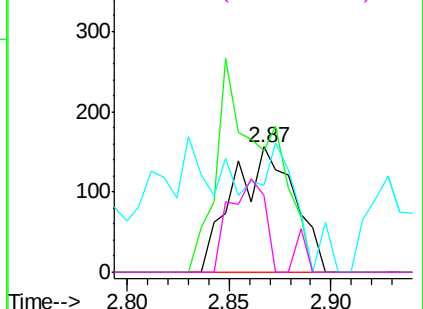
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001130.D
Acq: 25 Apr 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 327
Ion Ratio Lower Upper
84 100
49 97.4 97.1 145.7
51 69.2 30.8 46.2#
86 60.9 52.3 78.5

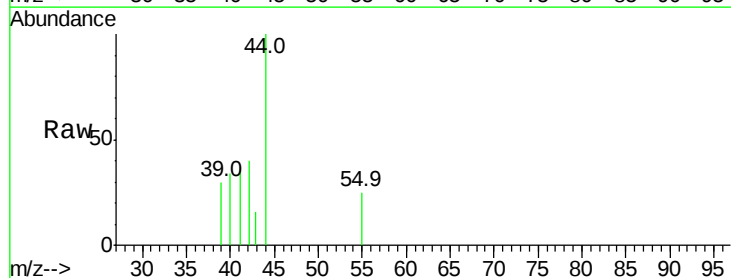


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

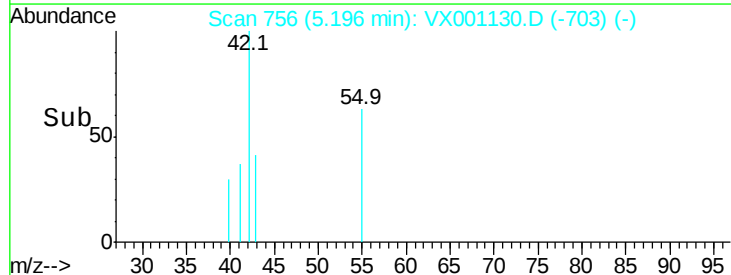
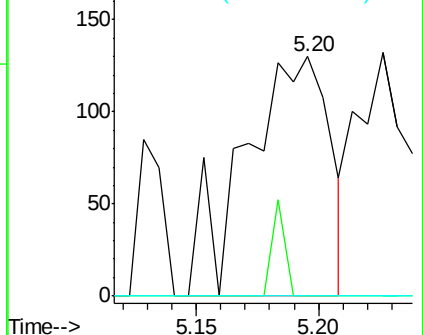


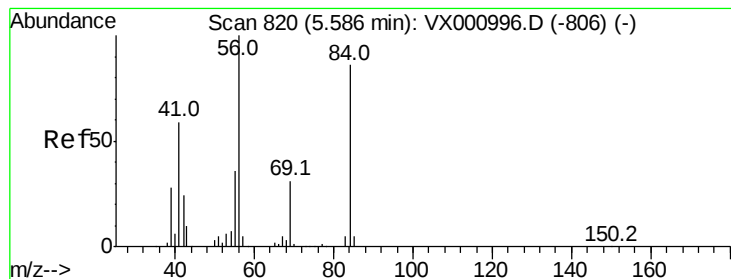
#29
Tetrahydrofuran
Concen: 0.264 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX001130.D
Acq: 25 Apr 2018 19:55

Tgt Ion: 42 Resp: 315
Ion Ratio Lower Upper
42 100
72 6.0 34.6 52.0#
71 0.0 32.6 49.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.003 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

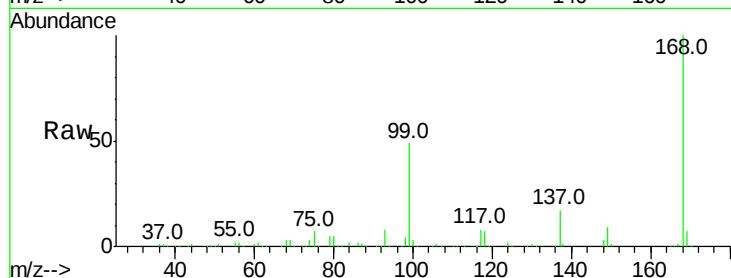
Tot Ion: 56 Resp: 4540

Ion Ratio Lower Upper

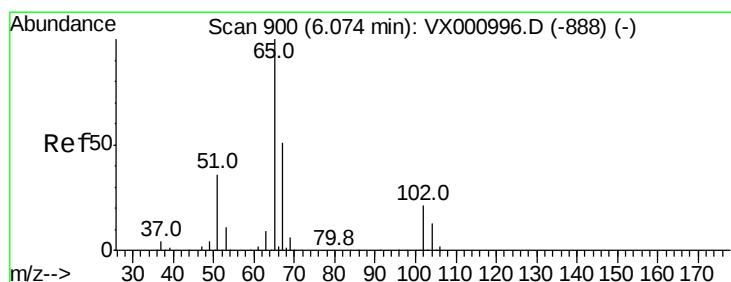
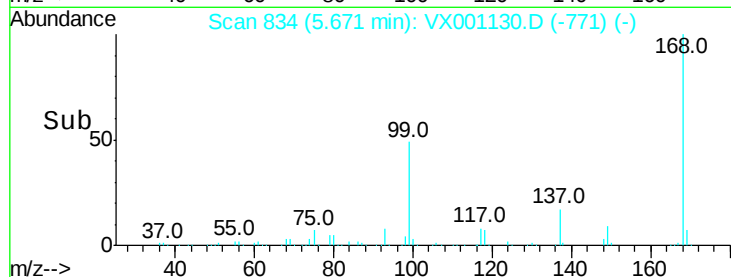
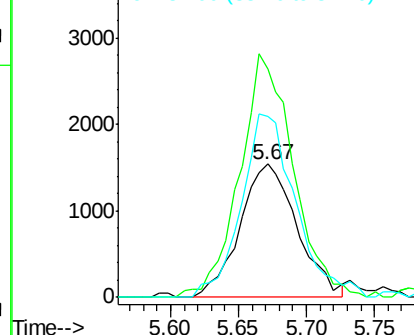
56 100

69 165.4 24.6 36.8#

84 136.5 69.0 103.6#



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: 54.847 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001130.D

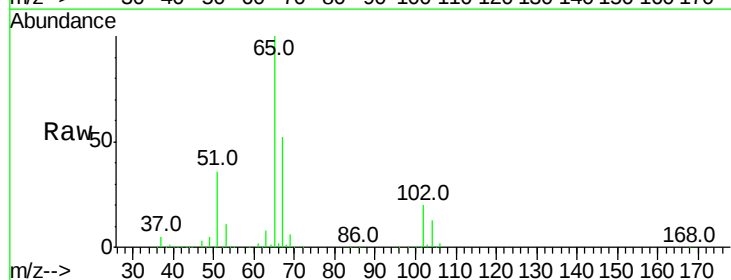
Acq: 25 Apr 2018 19:55

Tgt Ion: 65 Resp: 176070

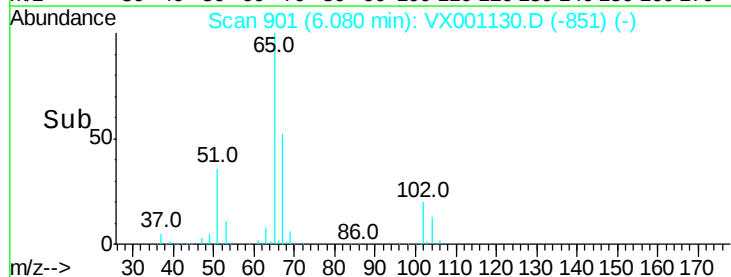
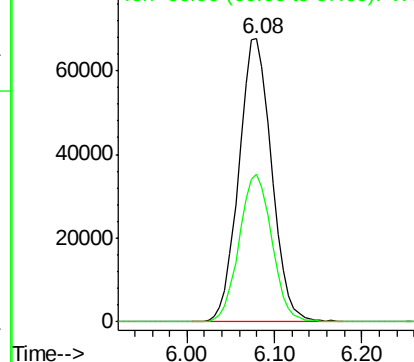
Ion Ratio Lower Upper

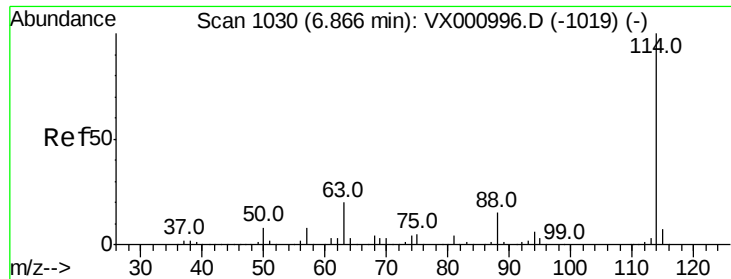
65 100

67 52.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

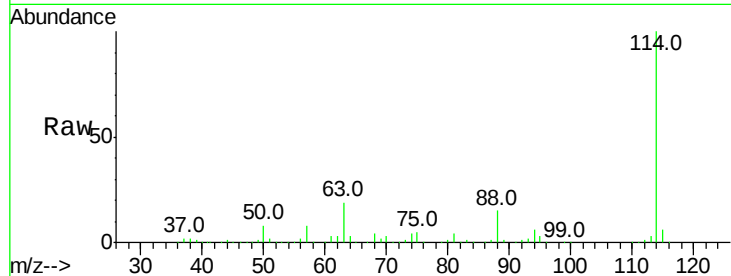




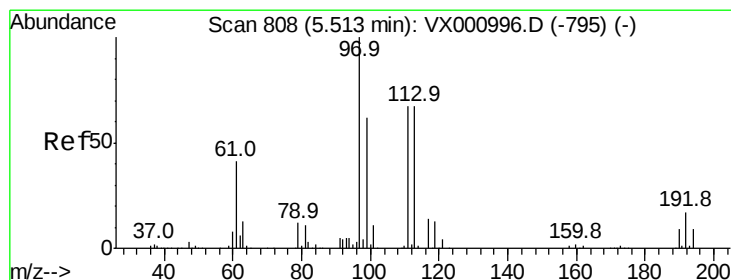
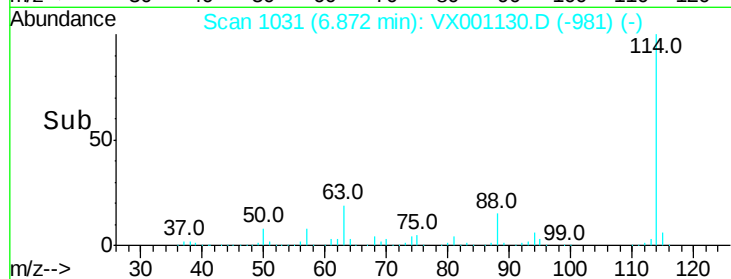
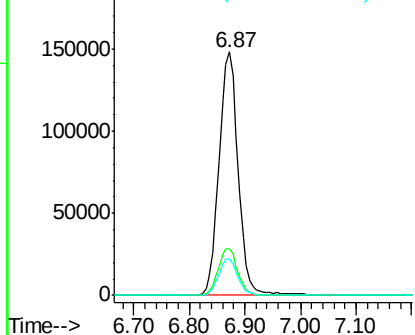
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001130.D
 Acq: 25 Apr 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.4
88	15.0	0.0	29.8

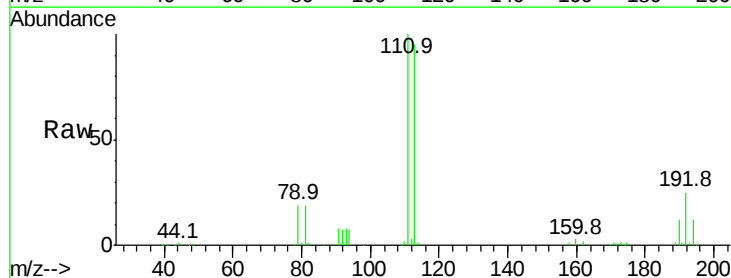


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

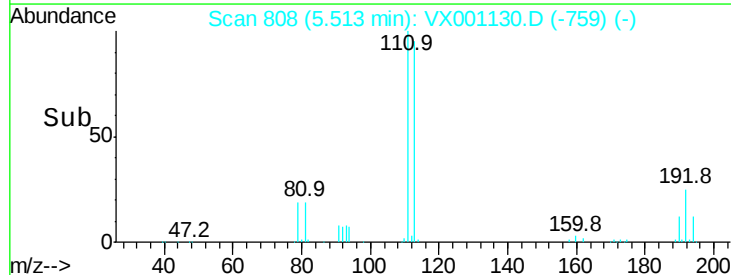
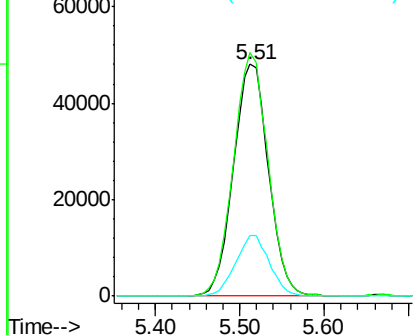


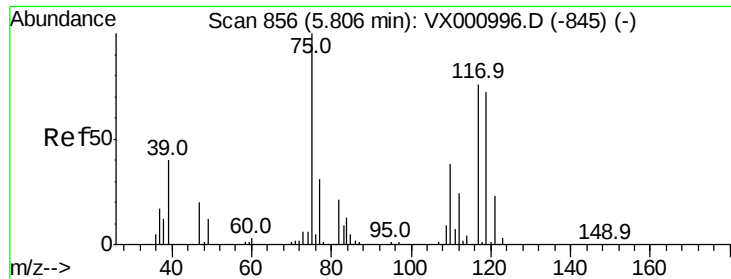
#35
 Dibromofluoromethane
 Concen: 50.066 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001130.D
 Acq: 25 Apr 2018 19:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.2
192	25.4	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: 3.883 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

Instrument :
MSVOA_X
ClientSampleId :

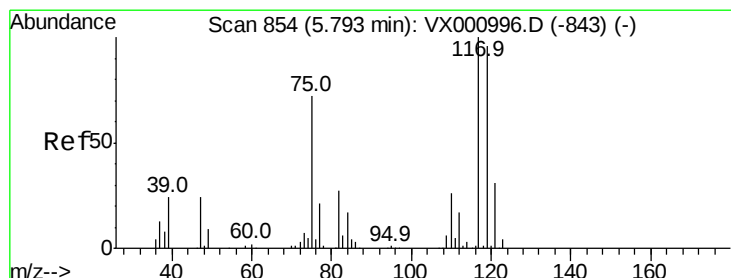
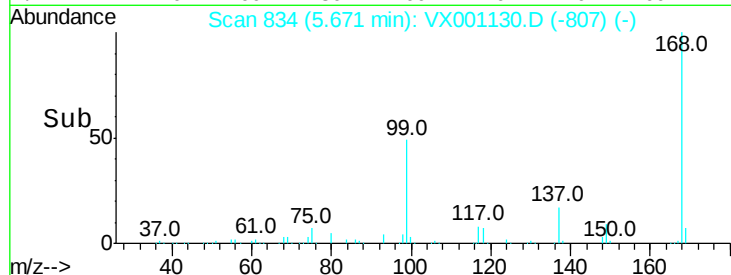
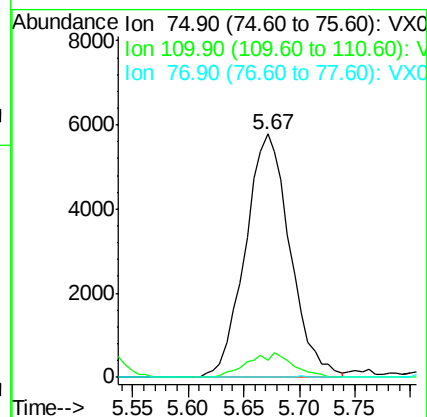
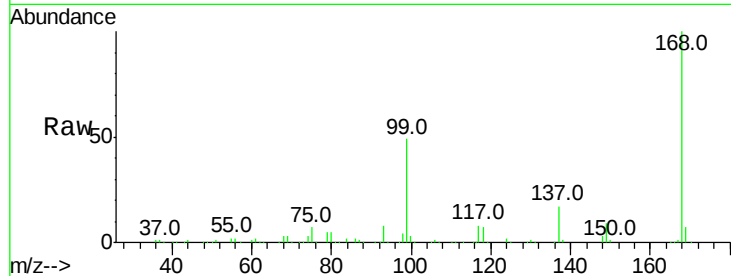
Tot Ion: 75 Resp: 16168

Ion Ratio Lower Upper

75 100

110 10.2 18.7 56.1#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.216 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

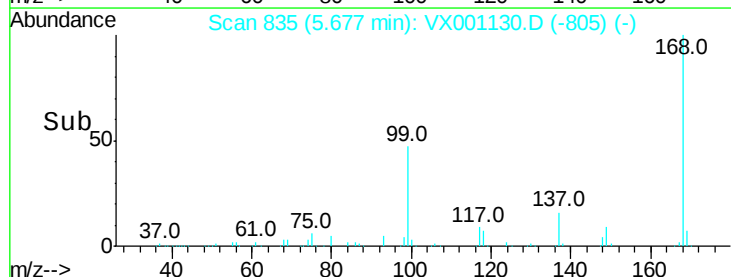
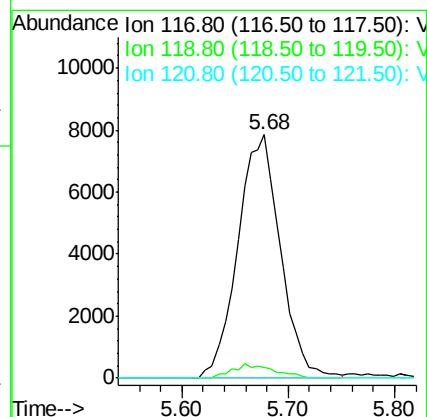
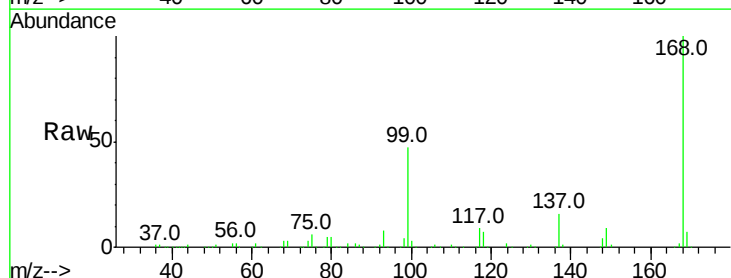
Tgt Ion: 117 Resp: 21992

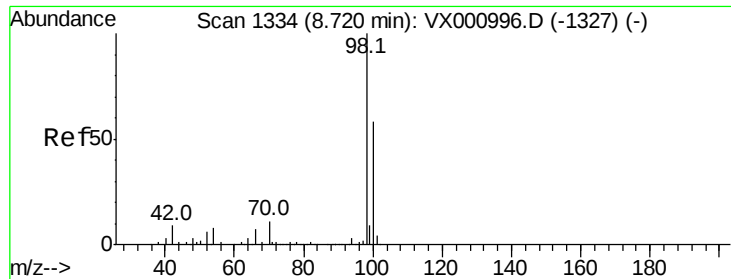
Ion Ratio Lower Upper

117 100

119 4.2 76.5 114.7#

121 0.0 24.5 36.7#

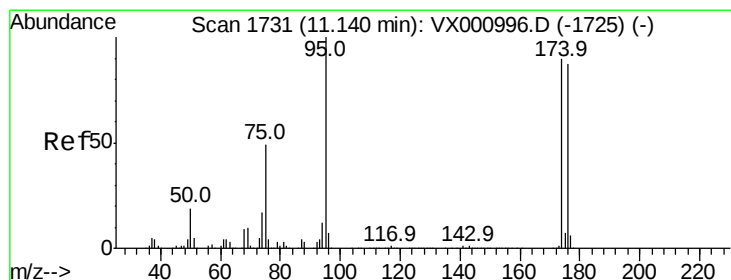
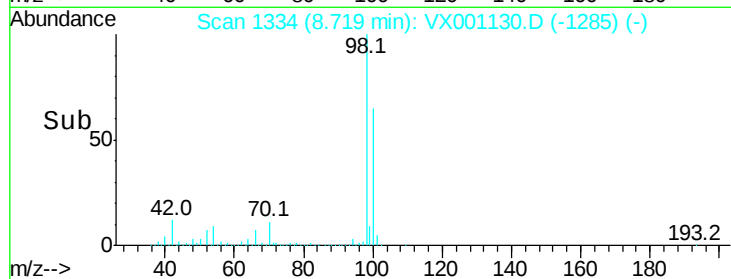
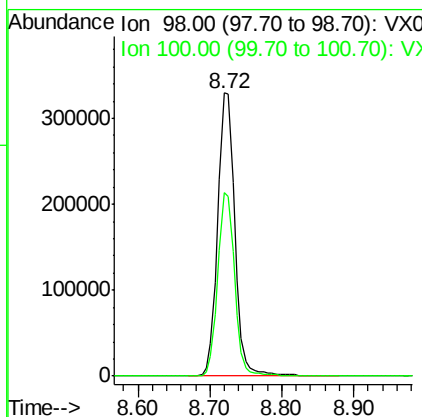
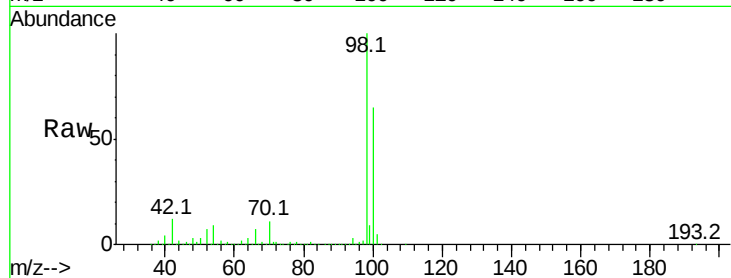




#50
Toluene-d8
Concen: 54.543 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001130.D
Acq: 25 Apr 2018 19:55

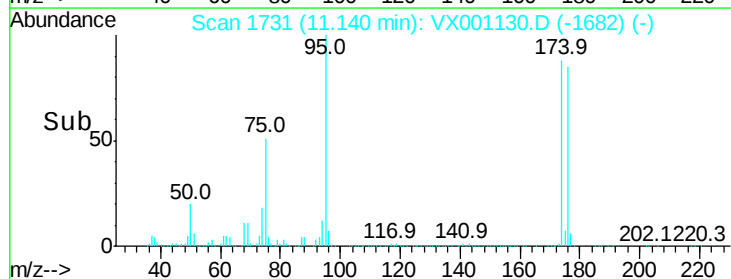
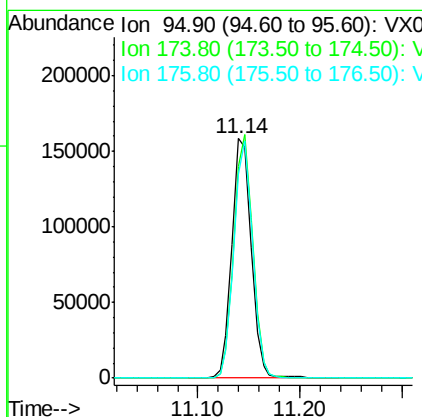
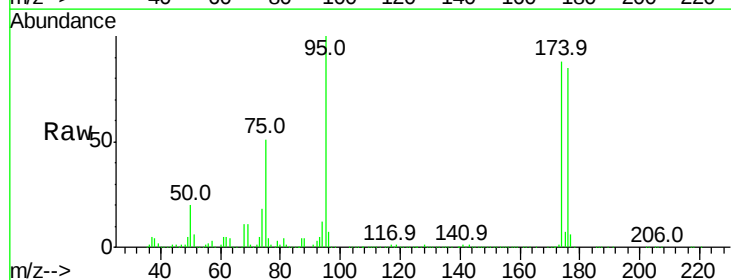
Instrument :
MSVOA_X
ClientSampleId :

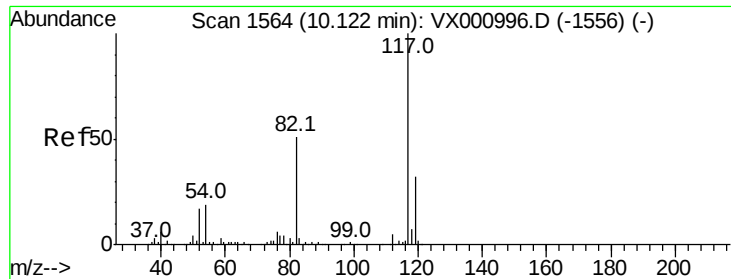
Tot Ion: 98 Resp: 544898
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 49.270 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001130.D
Acq: 25 Apr 2018 19:55

Tgt Ion: 95 Resp: 206571
Ion Ratio Lower Upper
95 100
174 98.9 0.0 198.4
176 95.8 0.0 192.0

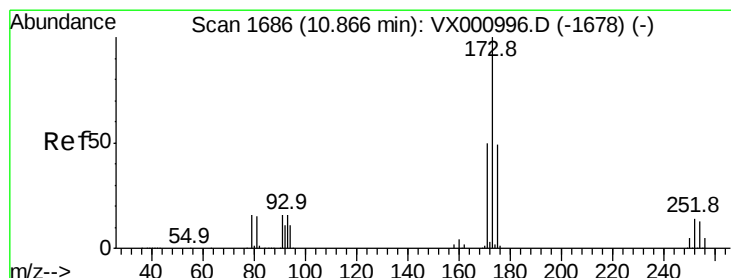
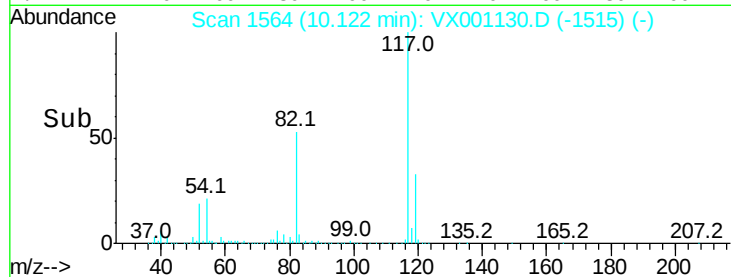
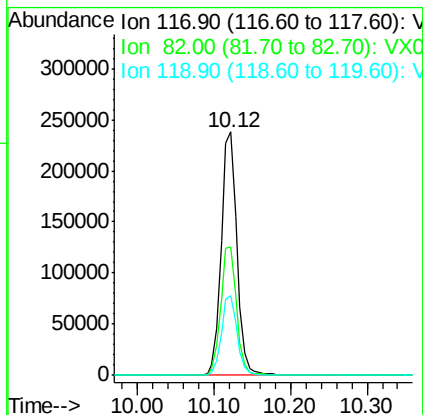
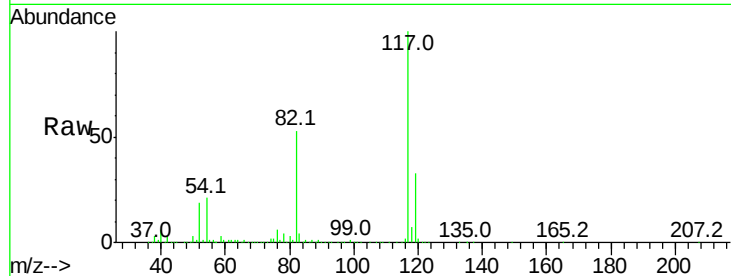




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001130.D
Acq: 25 Apr 2018 19:55

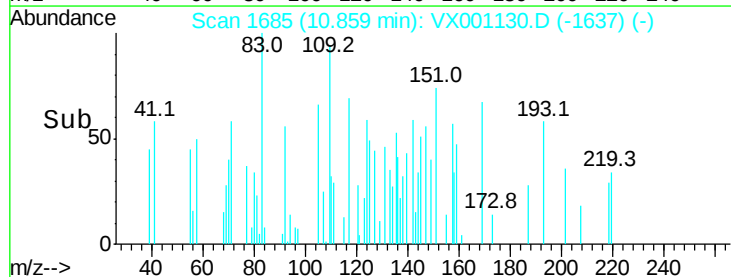
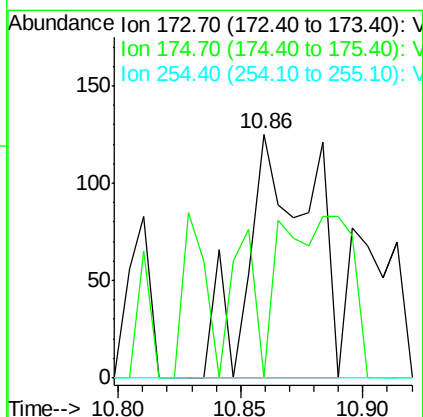
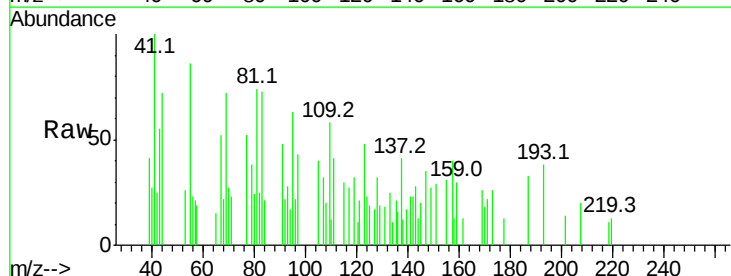
Instrument :
MSVOA_X
ClientSampleId :

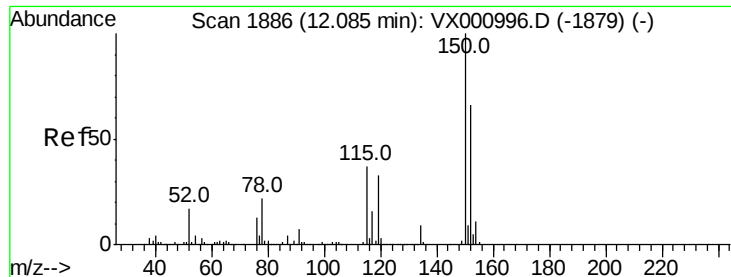
Tot Ion:117 Resp: 337990
Ion Ratio Lower Upper
117 100
82 52.7 40.6 60.8
119 32.8 26.0 39.0



#71
Bromoform
Concen: 2.802 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001130.D
Acq: 25 Apr 2018 19:55

Tgt Ion:173 Resp: 227
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001130.D

Acq: 25 Apr 2018 19:55

Instrument :

MSVOA_X

ClientSampleId :

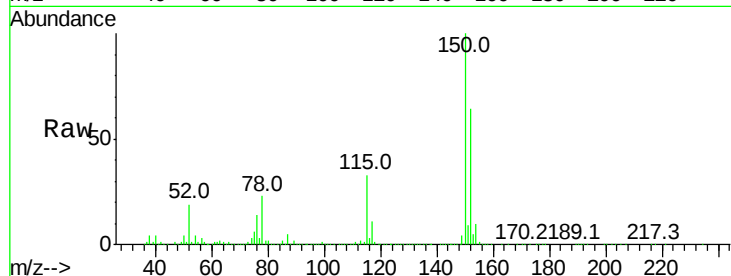
Tot Ion:152 Resp: 191506

Ion Ratio Lower Upper

152 100

115 53.4 38.2 114.6

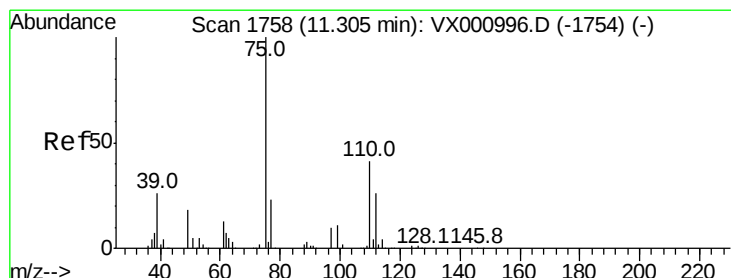
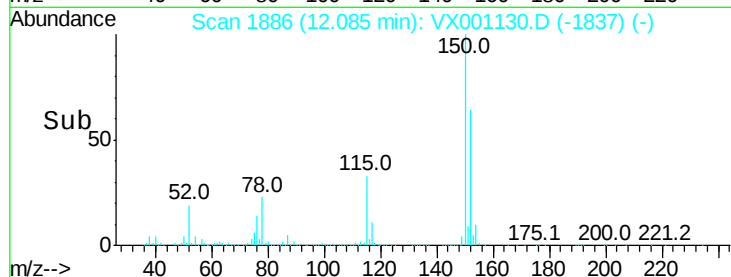
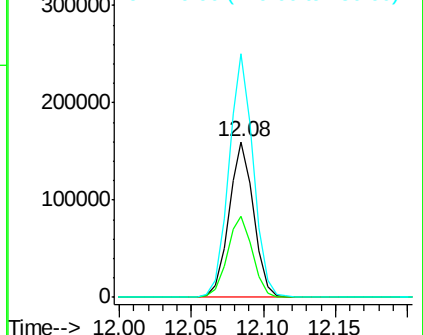
150 155.6 0.0 350.4



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: 31.912 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001130.D

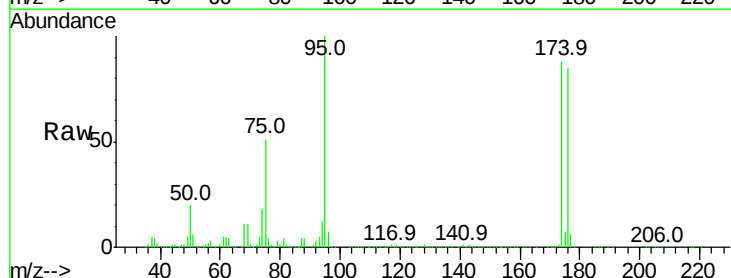
Acq: 25 Apr 2018 19:55

Tgt Ion: 75 Resp: 106031

Ion Ratio Lower Upper

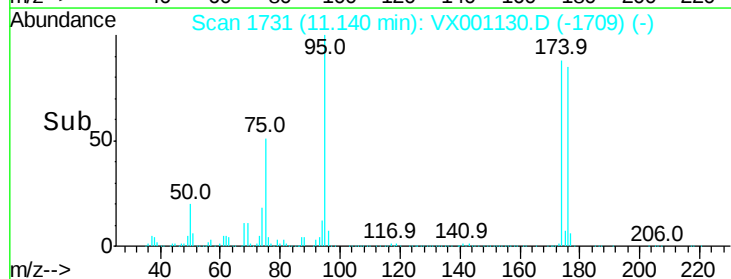
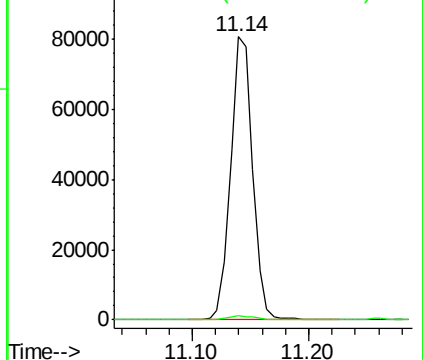
75 100

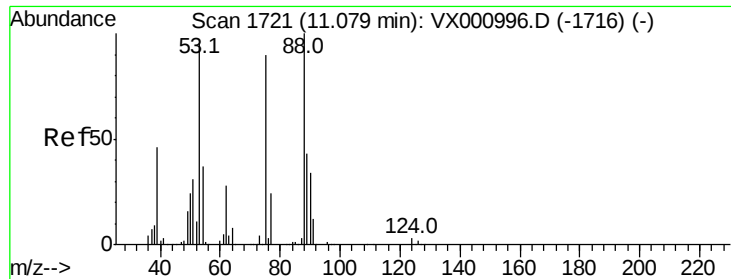
77 1.5 19.6 58.7#



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: 94.819 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001130.D
 Acq: 25 Apr 2018 19:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 106031
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.4 125.2#
 89 0.0 39.7 59.5#

