

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012046.D
 Acq On : 04 Sep 2019 12:32
 Operator : SY/SP
 Sample : K4646-10
 Misc : 5.79g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S602B-M-1.0-1.5-083019

Quant Time: Sep 04 12:53:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

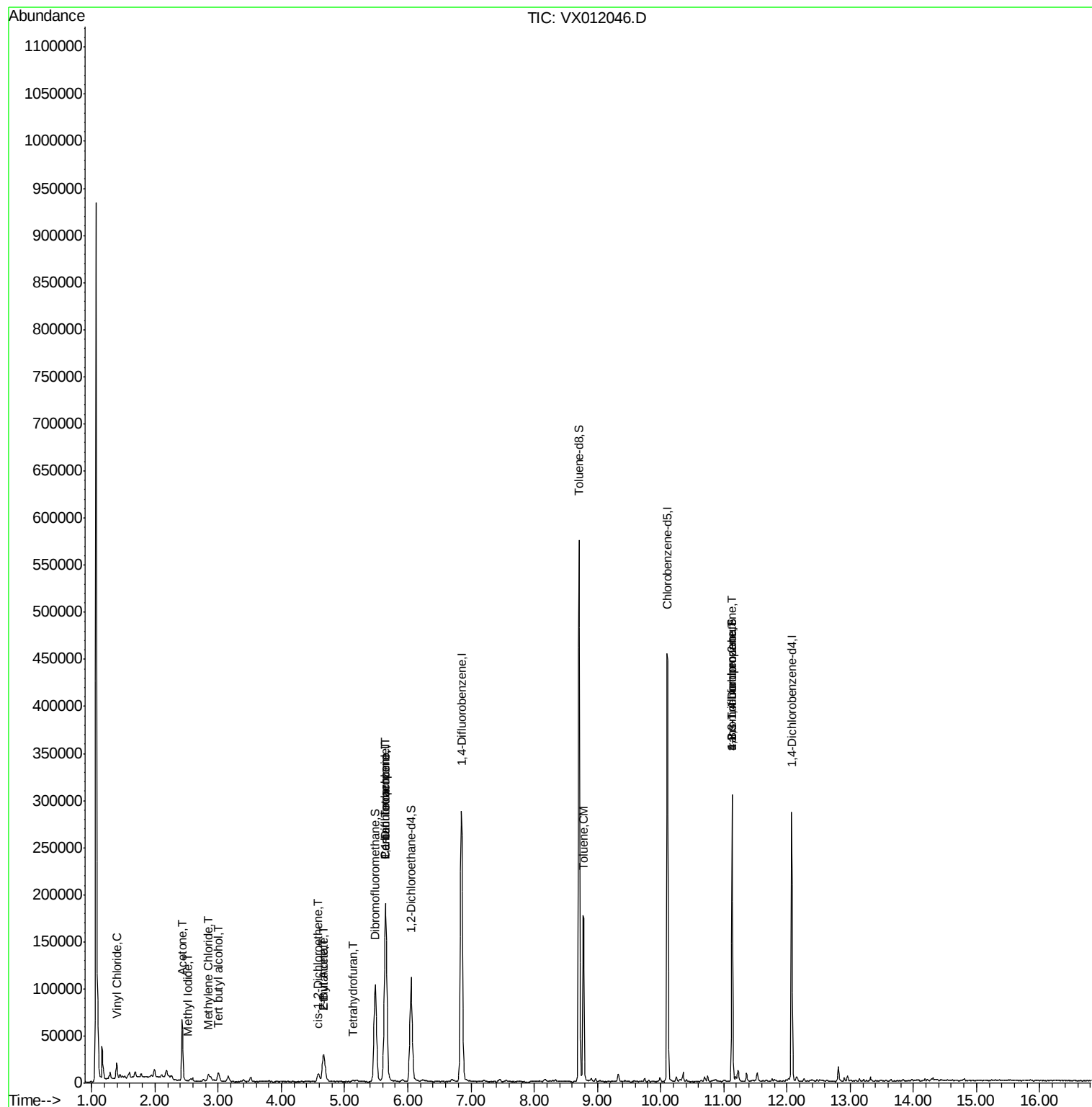
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	53799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	109120	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
35) Dibromofluoromethane	5.48	113	86737	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
50) Toluene-d8	8.71	98	318797	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.14	95	88472	29.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.86%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	1938	1.346	ug/l #	88
10) Methyl Iodide	2.51	142	304	7.144	ug/l #	89
11) Tert butyl alcohol	3.00	59	6668	31.051	ug/l #	73
13) Acrolein	2.28	56	563	Below Cal	#	12
16) Acetone	2.43	43	67565	126.433	ug/l	100
20) Methylene Chloride	2.85	84	3438	1.602	ug/l	87
25) 2-Butanone	4.66	43	24562	36.108	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	5451	2.484	ug/l	99
29) Tetrahydrofuran	5.14	42	1056	2.577	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	14809	5.970	ug/l #	45
37) Ethyl Acetate	4.66	43	24562	18.209	ug/l #	73
38) Carbon Tetrachloride	5.65	117	18383	7.033	ug/l #	15
52) Toluene	8.78	92	64739	13.972	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	44791	68.140	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	44791	161.093	ug/l #	10

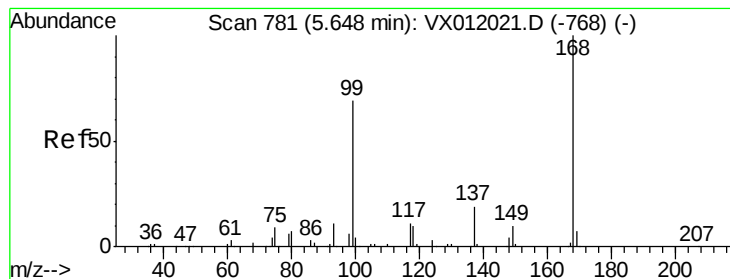
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

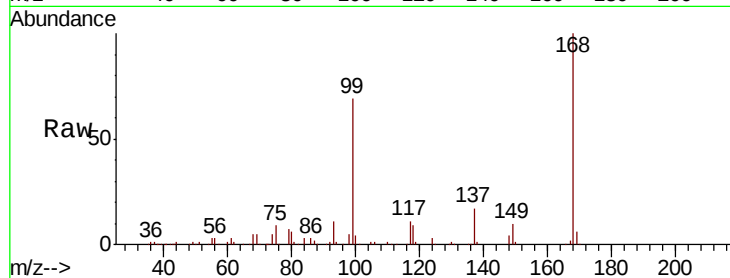
S602B-M-1.0-1.5-083019

Tgt Ion:168 Resp: 162035

Ion Ratio Lower Upper

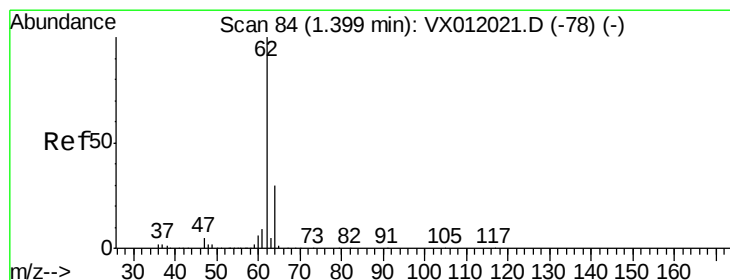
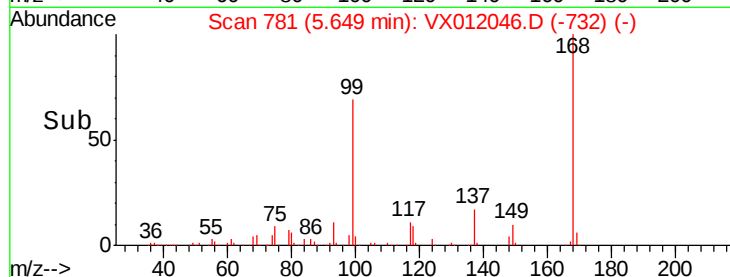
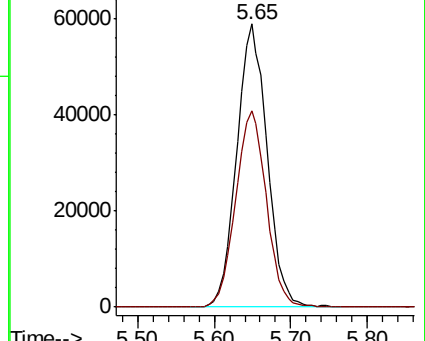
168 100

99 69.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.346 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012046.D

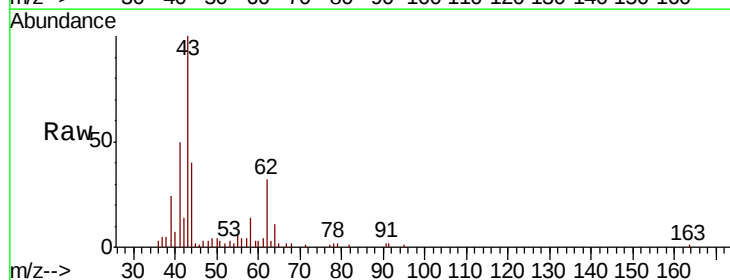
Acq: 04 Sep 2019 12:32

Tgt Ion: 62 Resp: 1938

Ion Ratio Lower Upper

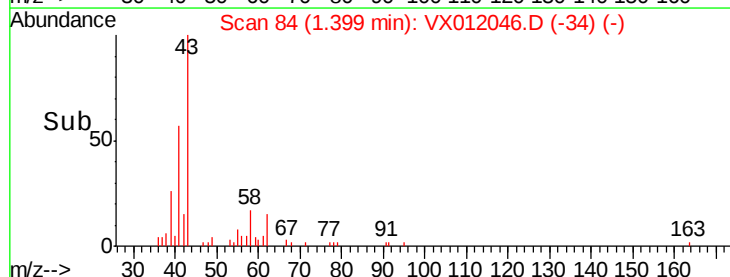
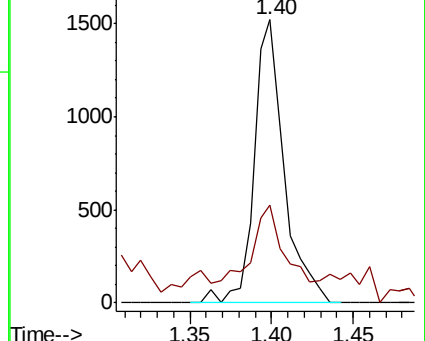
62 100

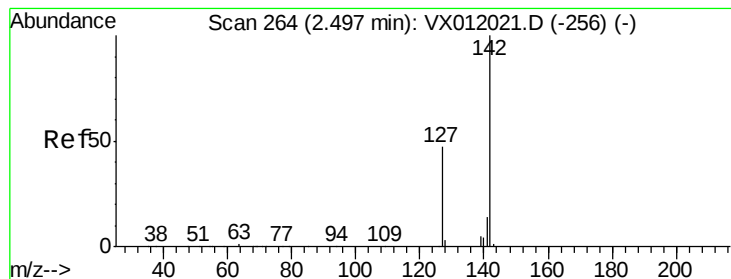
64 26.0 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#10

Methyl Iodide

Concen: 7.144 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

S602B-M-1.0-1.5-083019

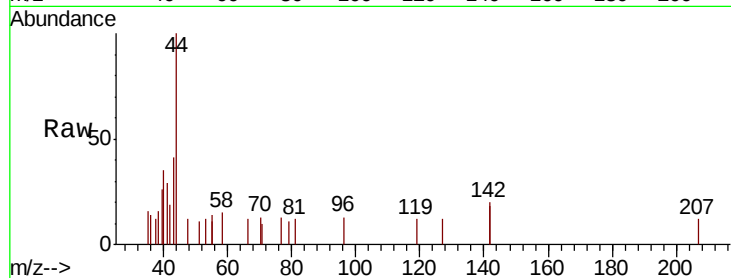
Tgt Ion: 142 Resp: 304

Ion Ratio Lower Upper

142 100

127 46.4 35.4 53.2

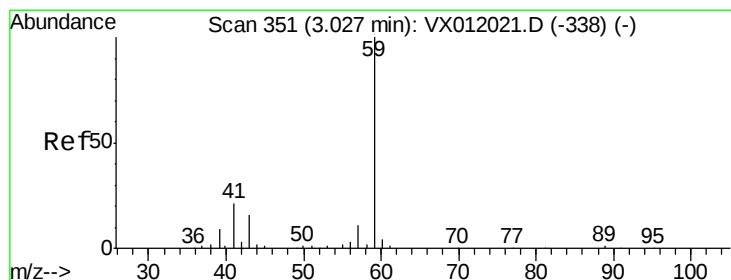
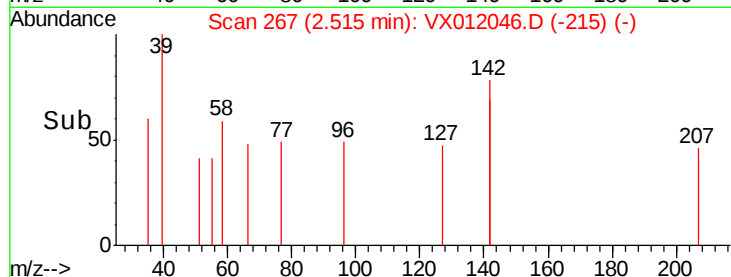
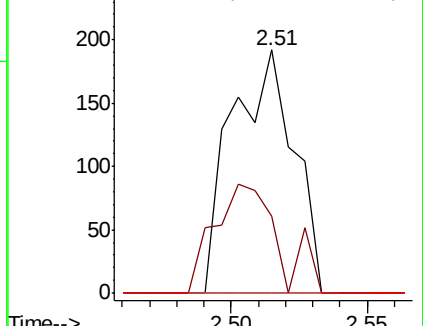
141 0.0 11.4 17.2#



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



#11

Tert butyl alcohol

Concen: 31.051 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX012046.D

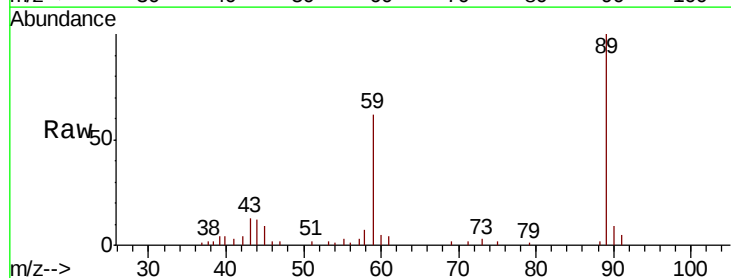
Acq: 04 Sep 2019 12:32

Tgt Ion: 59 Resp: 6668

Ion Ratio Lower Upper

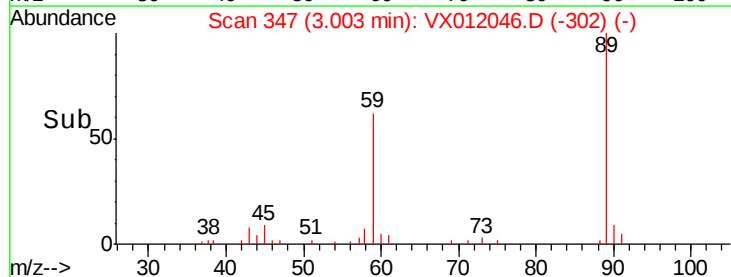
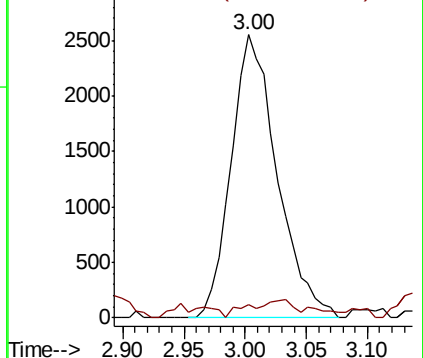
59 100

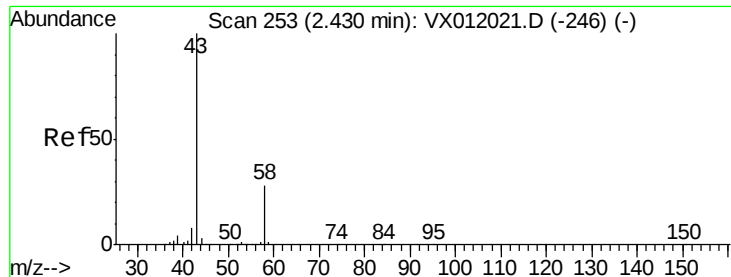
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 126.433 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

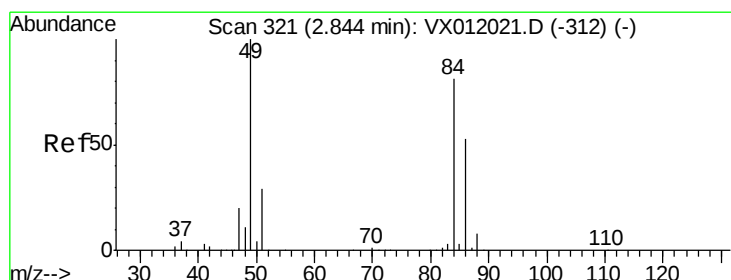
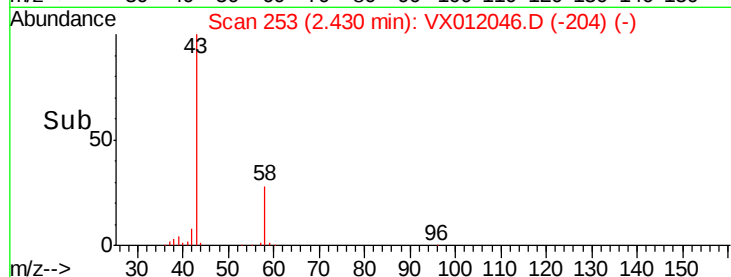
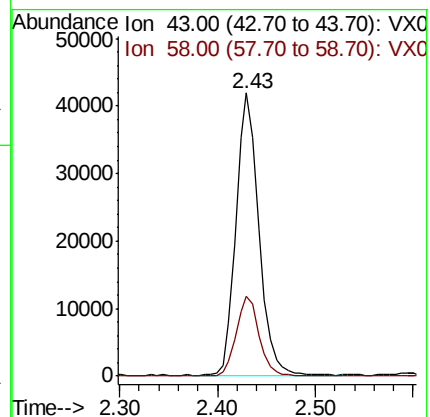
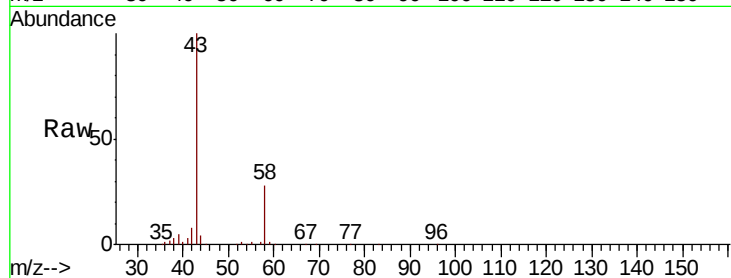
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Tgt Ion: 43 Resp: 67565

Ion Ratio Lower Upper

43 100

58 28.5 22.8 34.2



#20

Methylene Chloride

Concen: 1.602 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

Tgt Ion: 84 Resp: 3438

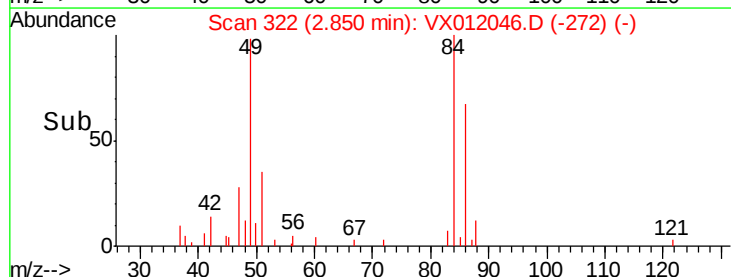
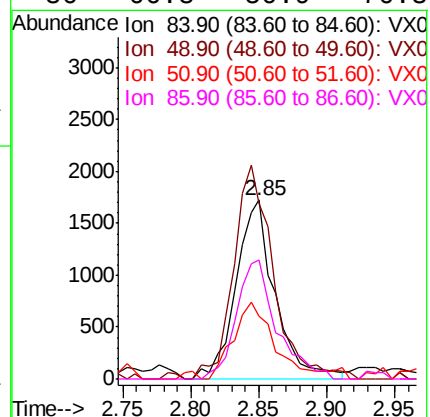
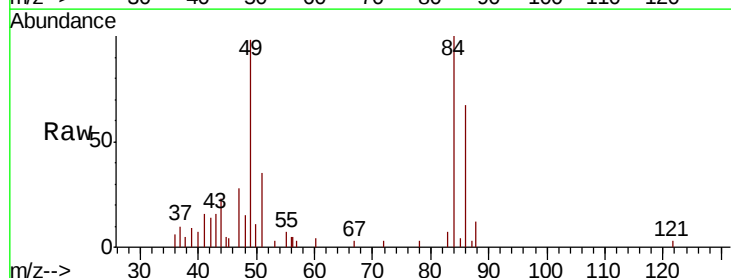
Ion Ratio Lower Upper

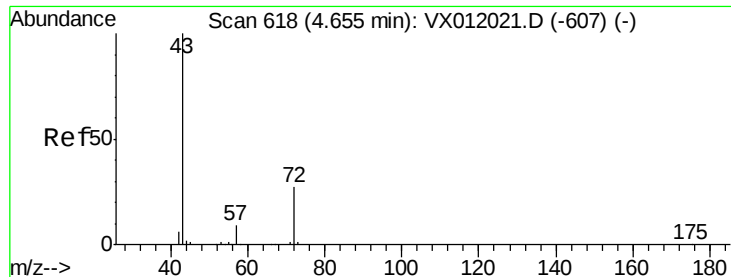
84 100

49 97.9 95.8 143.8

51 30.5 28.6 43.0

86 66.8 50.9 76.3





#25

2-Butanone

Concen: 36.108 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

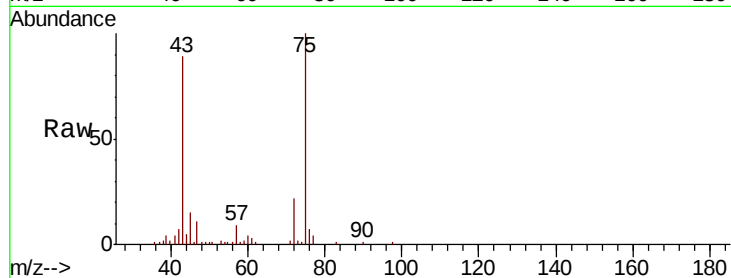
S602B-M-1.0-1.5-083019

Tgt Ion: 43 Resp: 24562

Ion Ratio Lower Upper

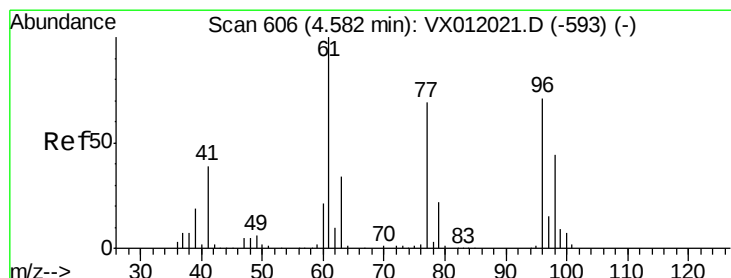
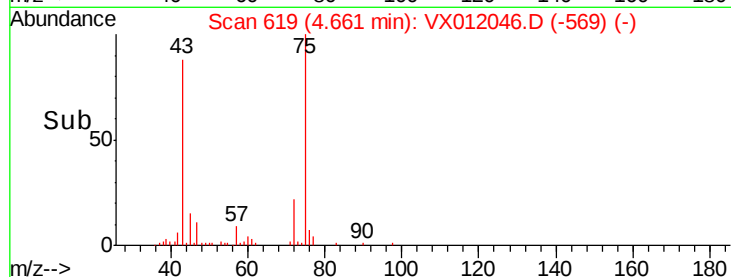
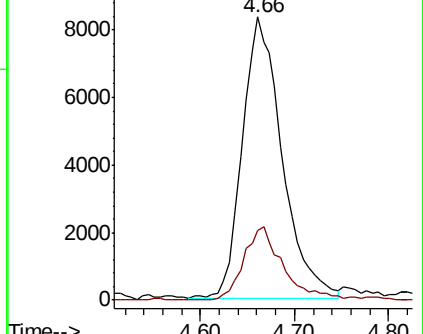
43 100

72 25.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.484 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

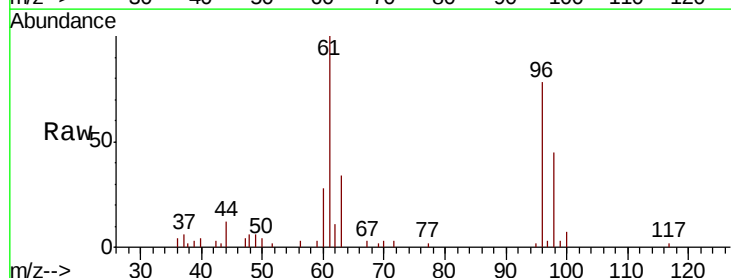
Tgt Ion: 96 Resp: 5451

Ion Ratio Lower Upper

96 100

61 137.2 0.0 277.0

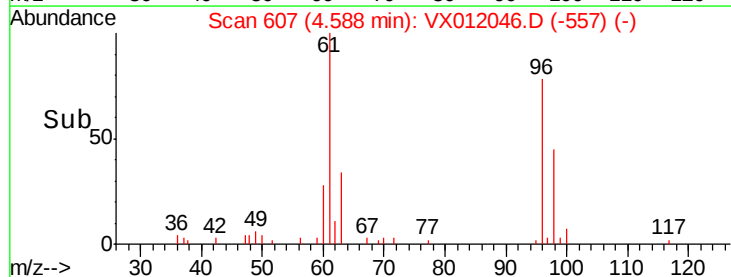
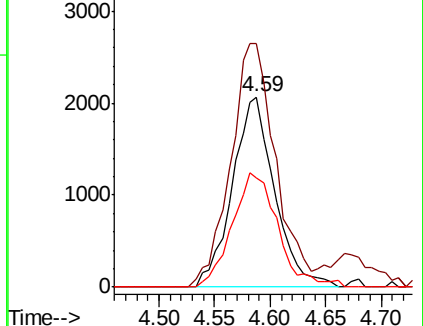
98 64.8 0.0 128.4

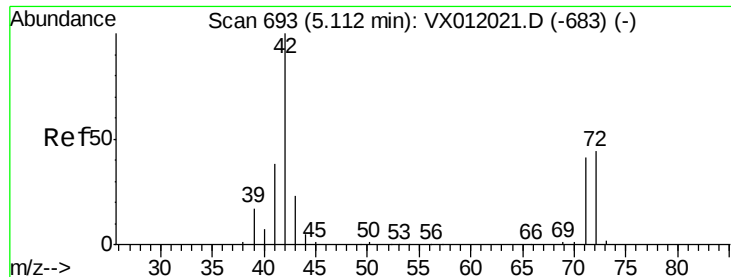


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

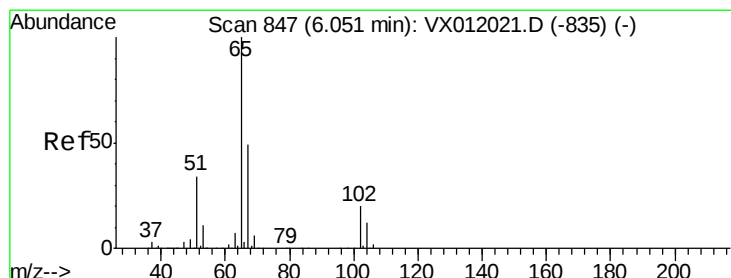
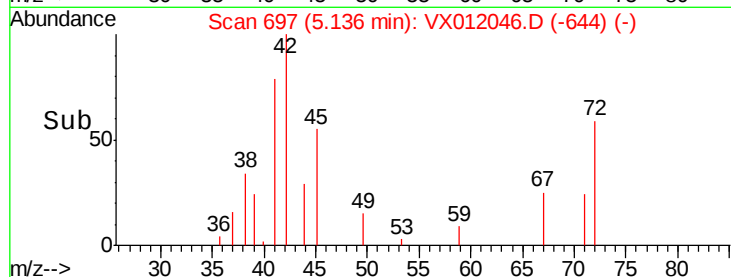
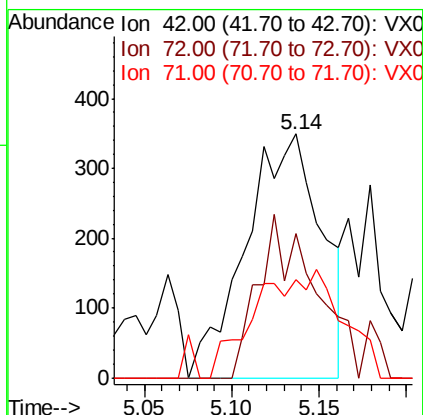
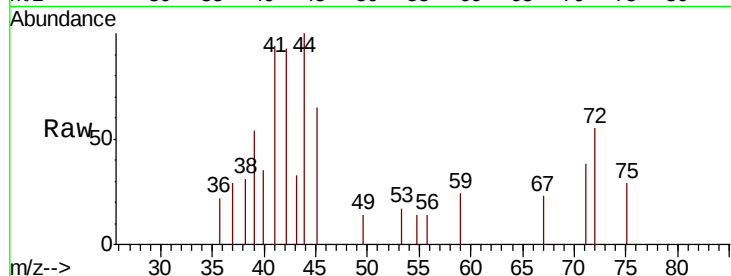




#29
Tetrahydrofuran
Concen: 2.577 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX012046.D
Acq: 04 Sep 2019 12:32

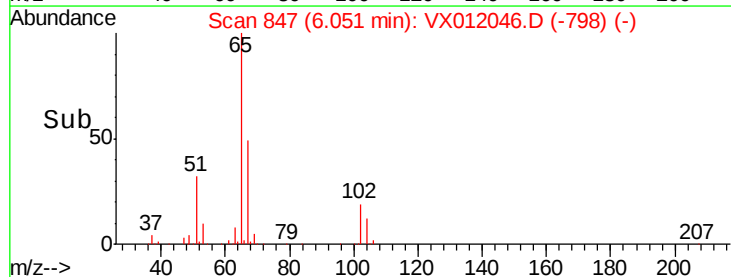
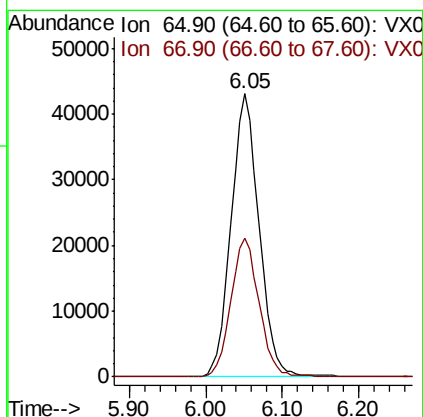
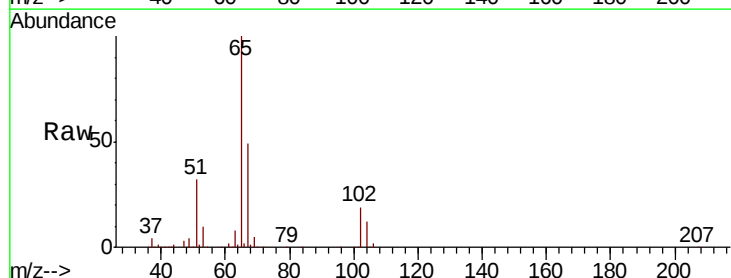
Instrument :
MSVOA_X
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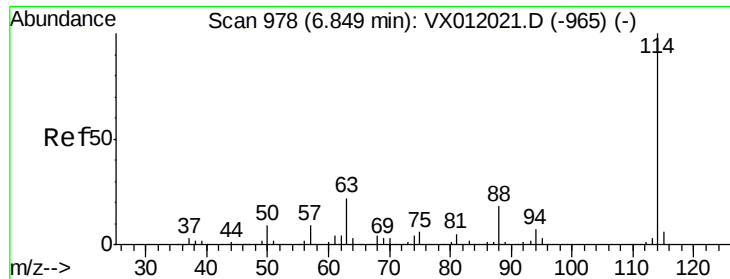
Tgt Ion: 42 Resp: 1056
Ion Ratio Lower Upper
42 100
72 50.1 37.0 55.4
71 21.9 33.8 50.8#



#33
1,2-Dichloroethane-d4
Concen: 48.807 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012046.D
Acq: 04 Sep 2019 12:32

Tgt Ion: 65 Resp: 109120
Ion Ratio Lower Upper
65 100
67 49.4 0.0 102.0

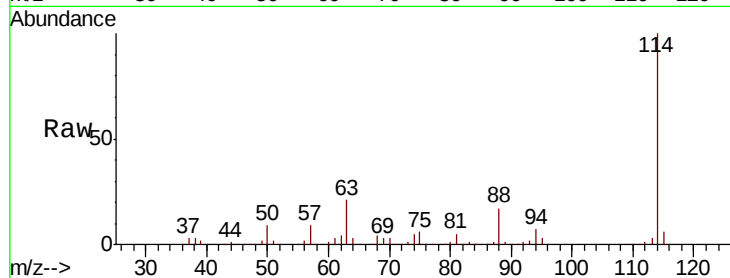




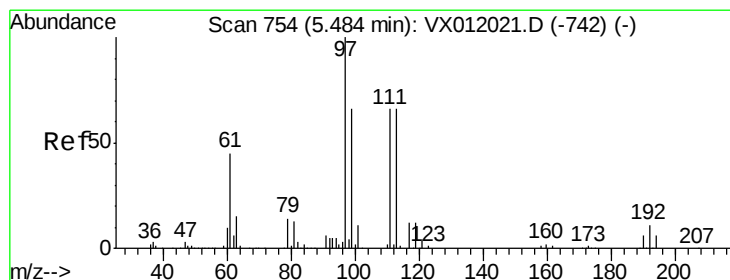
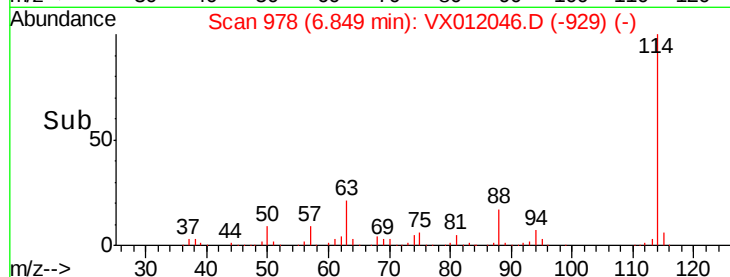
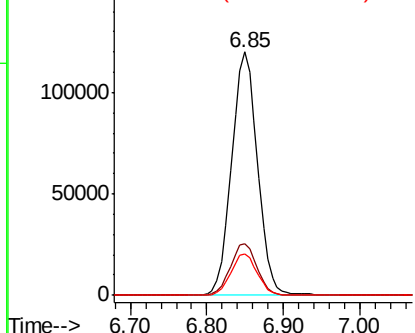
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012046.D
 Acq: 04 Sep 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 S602B-M-1.0-1.5-083019

Tgt Ion:114 Resp: 281639
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 37.4
 88 17.2 0.0 29.6

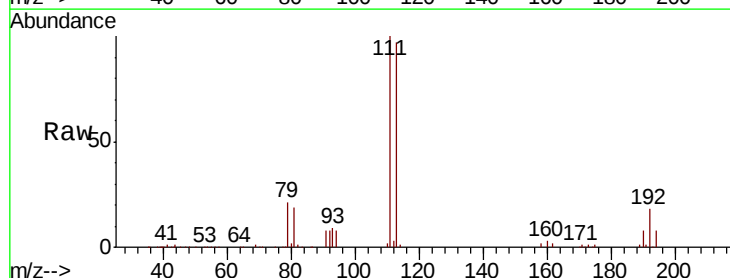


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

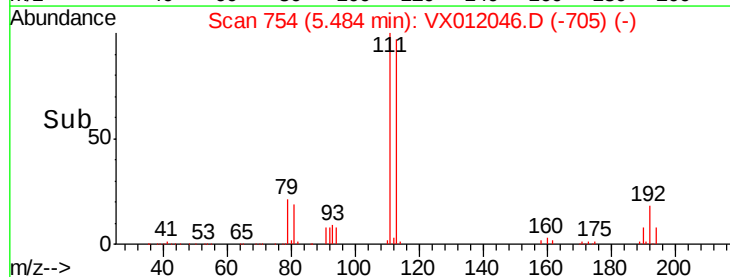
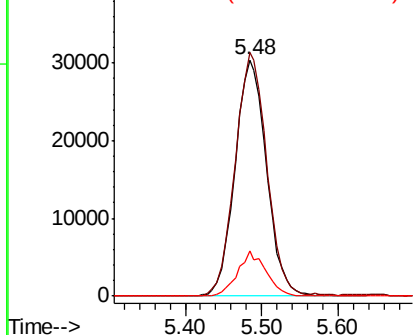


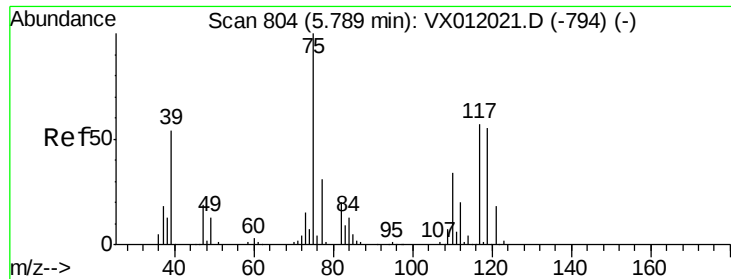
#35
 Dibromofluoromethane
 Concen: 50.079 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012046.D
 Acq: 04 Sep 2019 12:32

Tgt Ion:113 Resp: 86737
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 17.1 22.5 33.7#



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

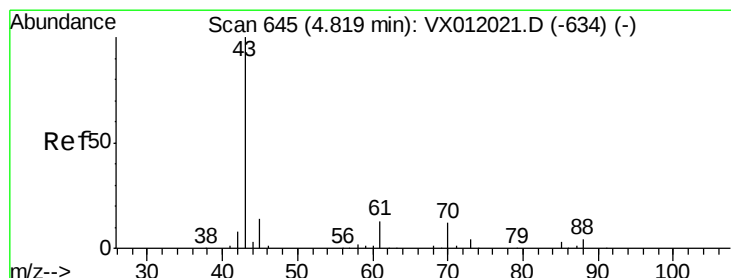
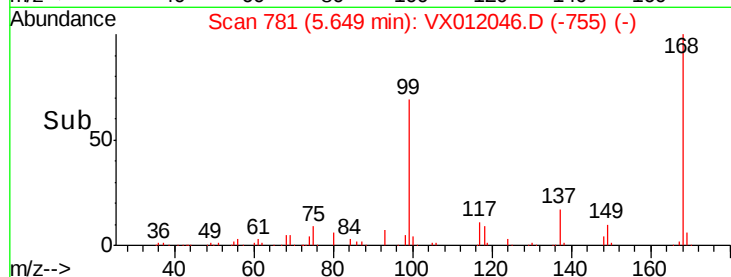
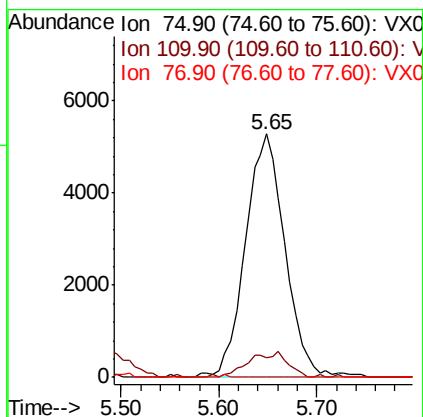
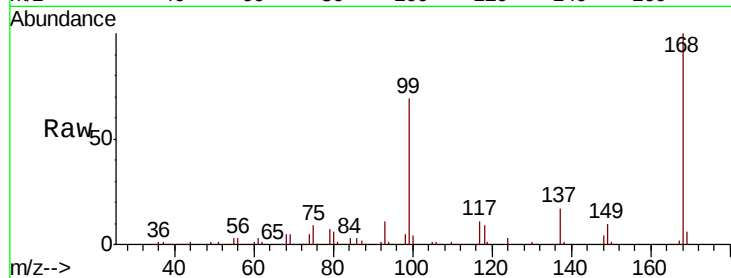




#36
 1,1-Dichloropropene
 Concen: 5.970 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012046.D
 Acq: 04 Sep 2019 12:32

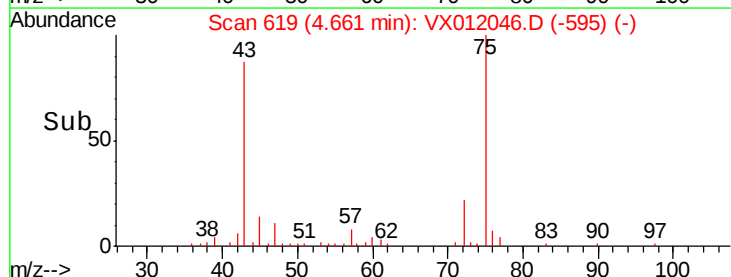
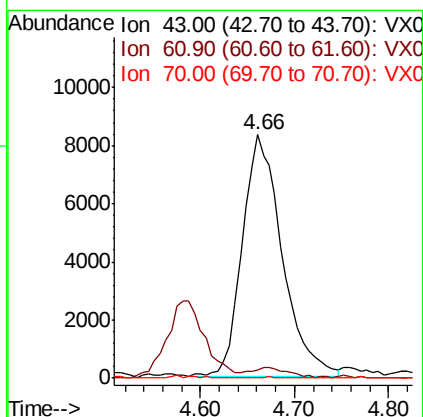
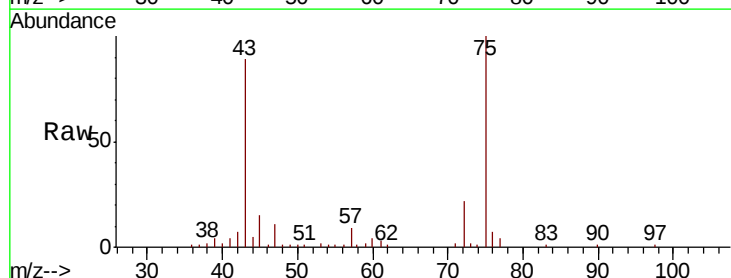
Instrument :
 MSVOA_X
 ClientSampleId :
 S602B-M-1.0-1.5-083019

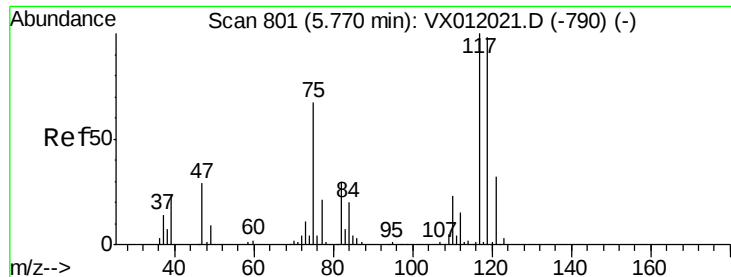
Tgt Ion: 75 Resp: 14809
 Ion Ratio Lower Upper
 75 100
 110 5.9 19.5 58.5#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 18.209 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.15 min
 Lab File: VX012046.D
 Acq: 04 Sep 2019 12:32

Tgt Ion: 43 Resp: 24562
 Ion Ratio Lower Upper
 43 100
 61 4.1 10.9 16.3#
 70 0.1 9.4 14.0#

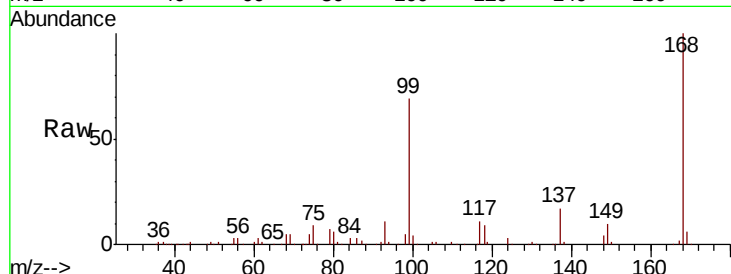




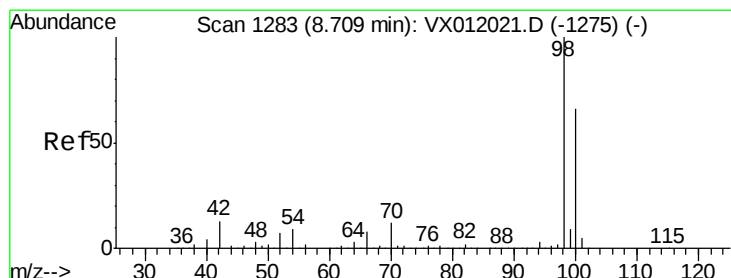
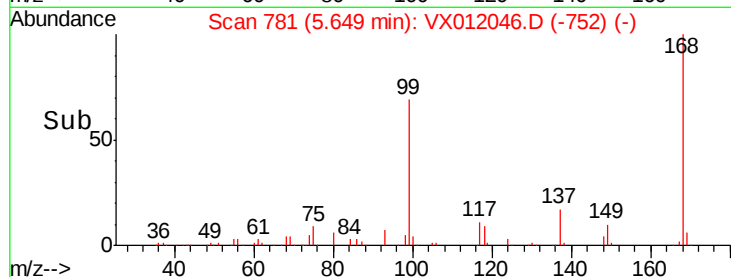
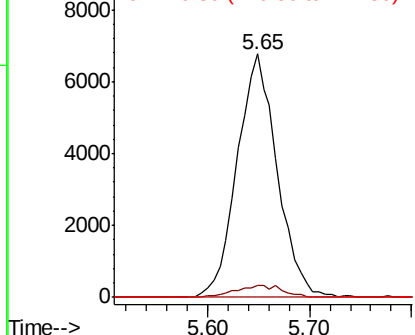
#38
Carbon Tetrachloride
Concen: 7.033 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012046.D
Acq: 04 Sep 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
S602B-M-1.0-1.5-083019

Tgt Ion: 117 Resp: 18383
Ion Ratio Lower Upper
117 100
119 4.9 78.3 117.5#
121 0.0 24.2 36.2#

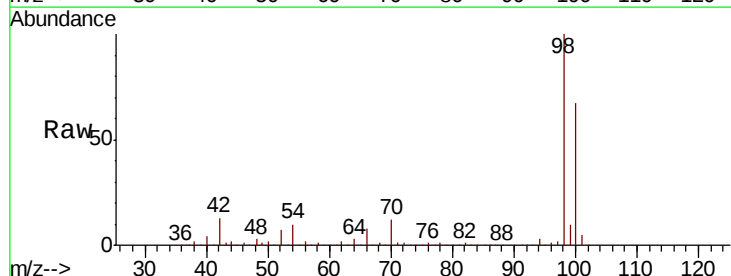


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

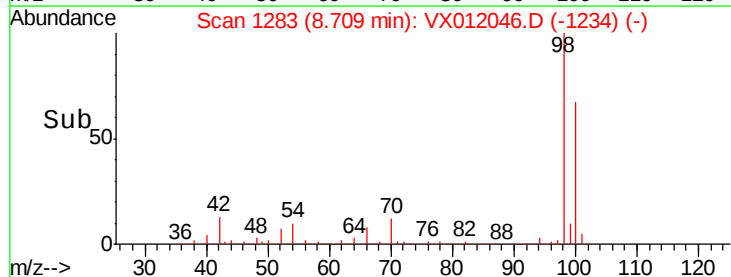
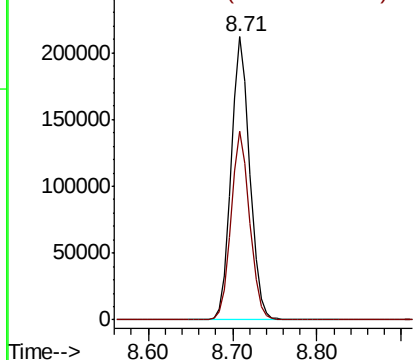


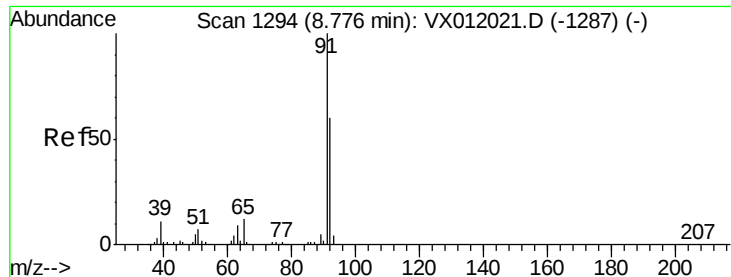
#50
Toluene-d8
Concen: 50.160 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012046.D
Acq: 04 Sep 2019 12:32

Tgt Ion: 98 Resp: 318797
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



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





#52

Toluene

Concen: 13.972 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

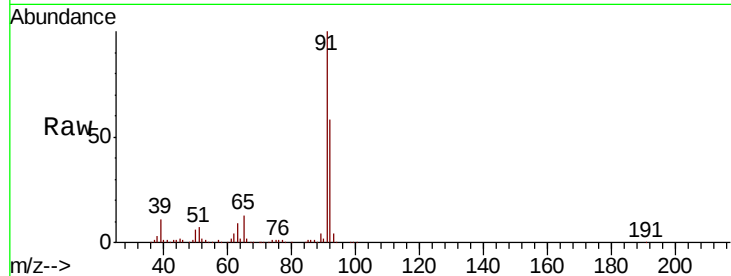
S602B-M-1.0-1.5-083019

Tgt Ion: 92 Resp: 64739

Ion Ratio Lower Upper

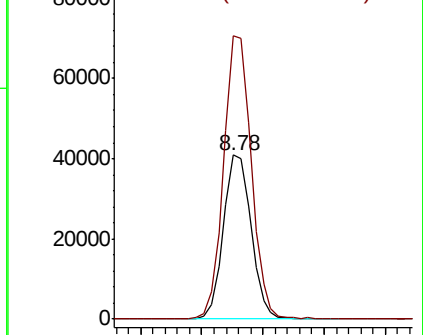
92 100

91 171.0 136.0 204.0

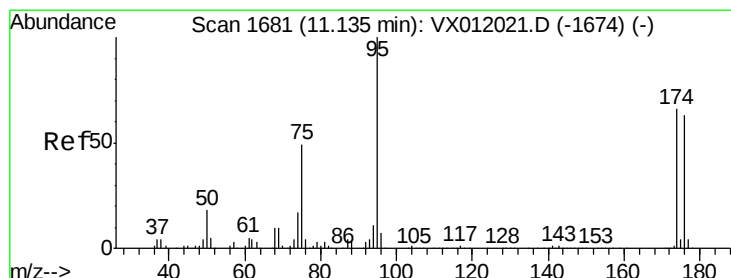
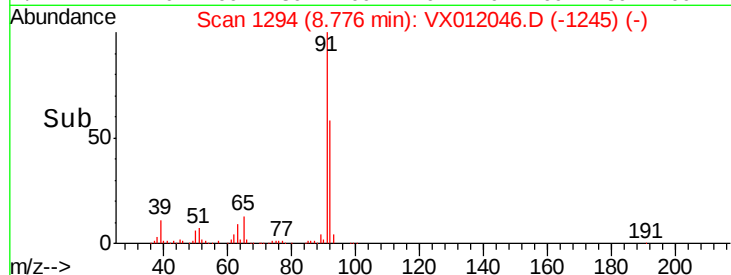


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 29.932 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012046.D

Acq: 04 Sep 2019 12:32

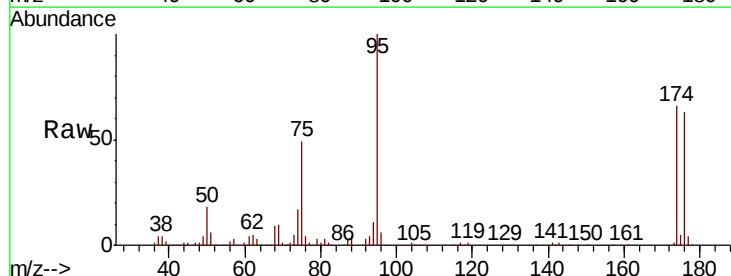
Tgt Ion: 95 Resp: 88472

Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

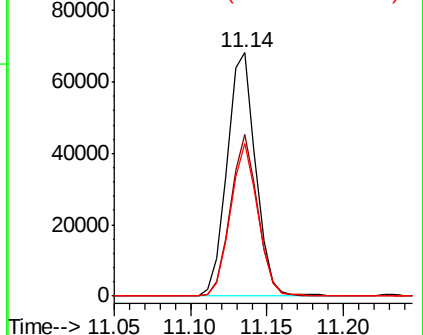
176 60.2 0.0 201.8



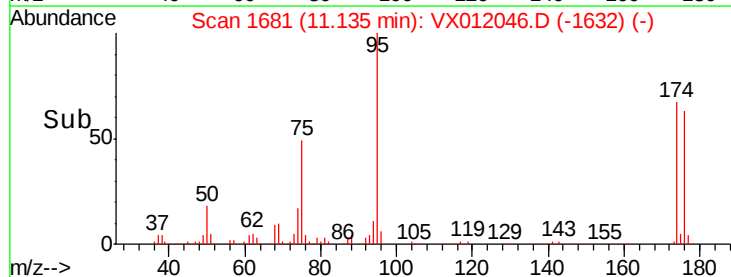
Abundance Ion 94.90 (94.60 to 95.60): VX0

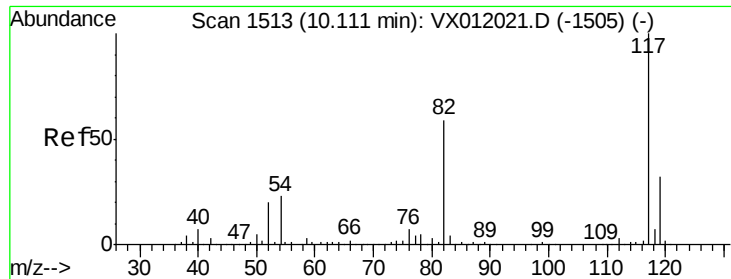
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

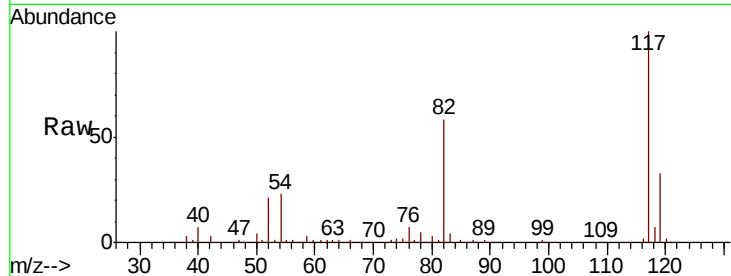




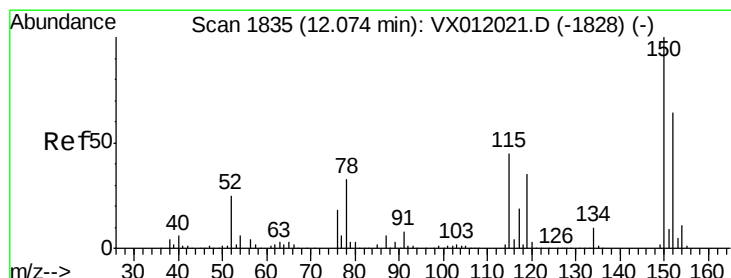
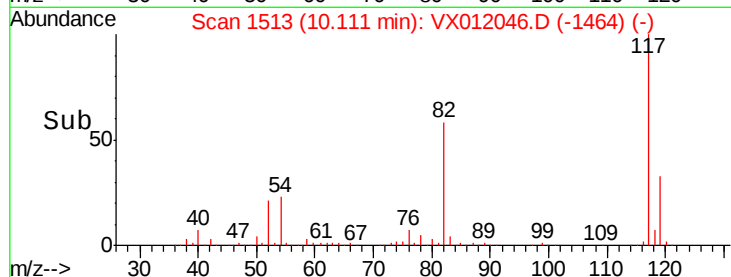
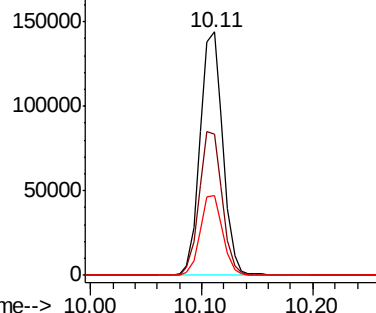
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012046.D
Acq: 04 Sep 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
S602B-M-1.0-1.5-083019

Tgt Ion:117 Resp: 202998
Ion Ratio Lower Upper
117 100
82 57.8 39.4 59.0
119 32.7 26.1 39.1

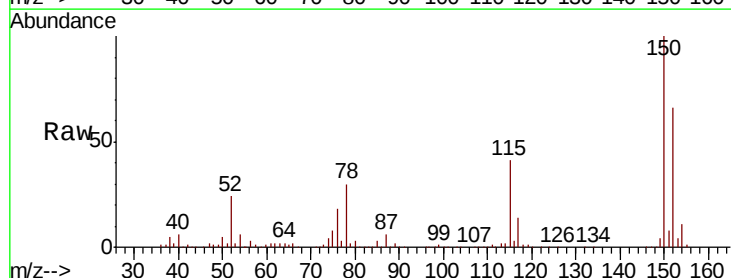


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

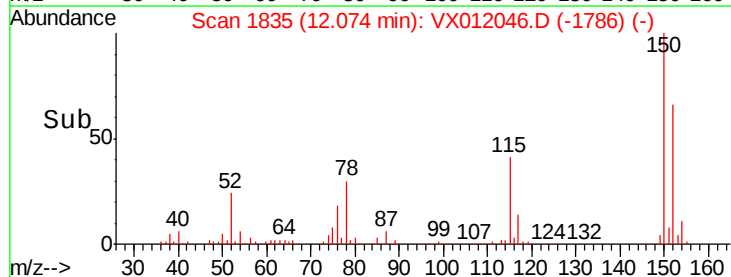
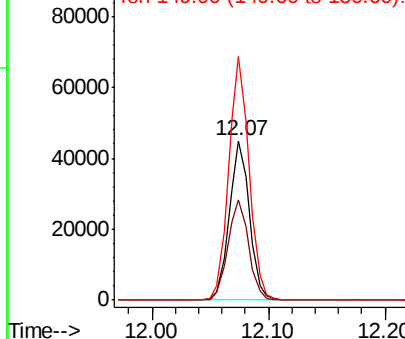


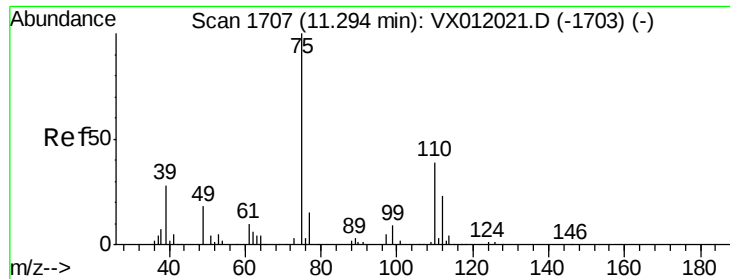
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012046.D
Acq: 04 Sep 2019 12:32

Tgt Ion:152 Resp: 53799
Ion Ratio Lower Upper
152 100
115 64.7 36.4 109.3
150 154.6 0.0 341.2



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

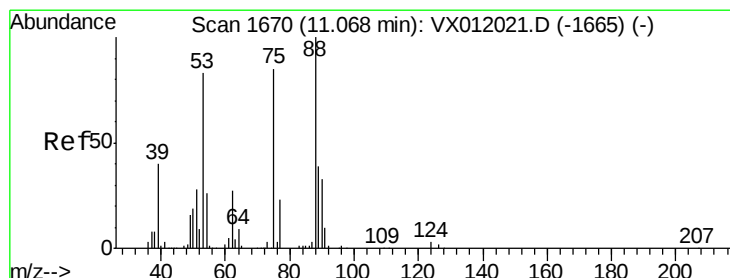
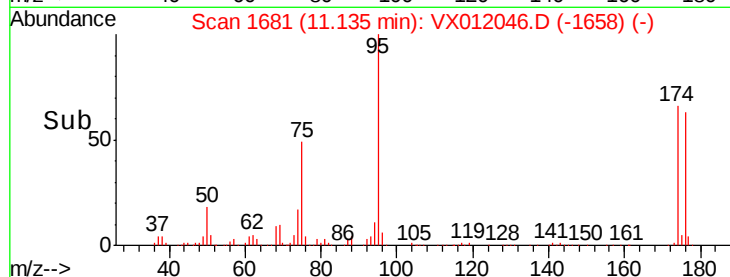
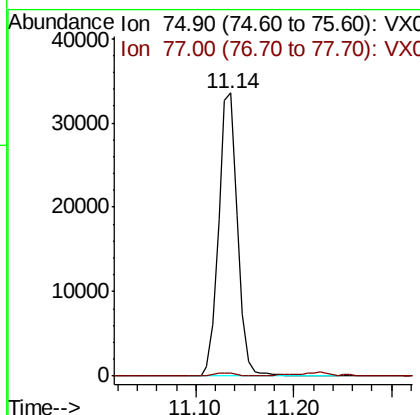
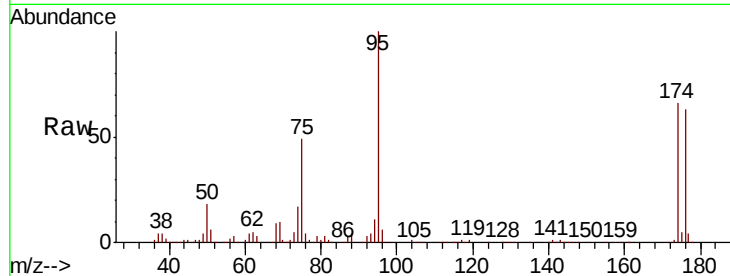




#76
 1,2,3-Trichloropropane
 Concen: 68.140 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012046.D
 Acq: 04 Sep 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 S602B-M-1.0-1.5-083019

Tgt Ion: 75 Resp: 44791
 Ion Ratio Lower Upper
 75 100
 77 1.6 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.093 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012046.D
 Acq: 04 Sep 2019 12:32

Tgt Ion: 75 Resp: 44791
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.1 38.8 58.2#

