

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX093019\
 Data File : VX012706.D
 Acq On : 30 Sep 2019 15:32
 Operator : JC/SP
 Sample : K5081-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ118I-20190926

Quant Time: Oct 01 03:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93359	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	118120	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	5.49	113	87381	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	8.71	98	345659	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	119001	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

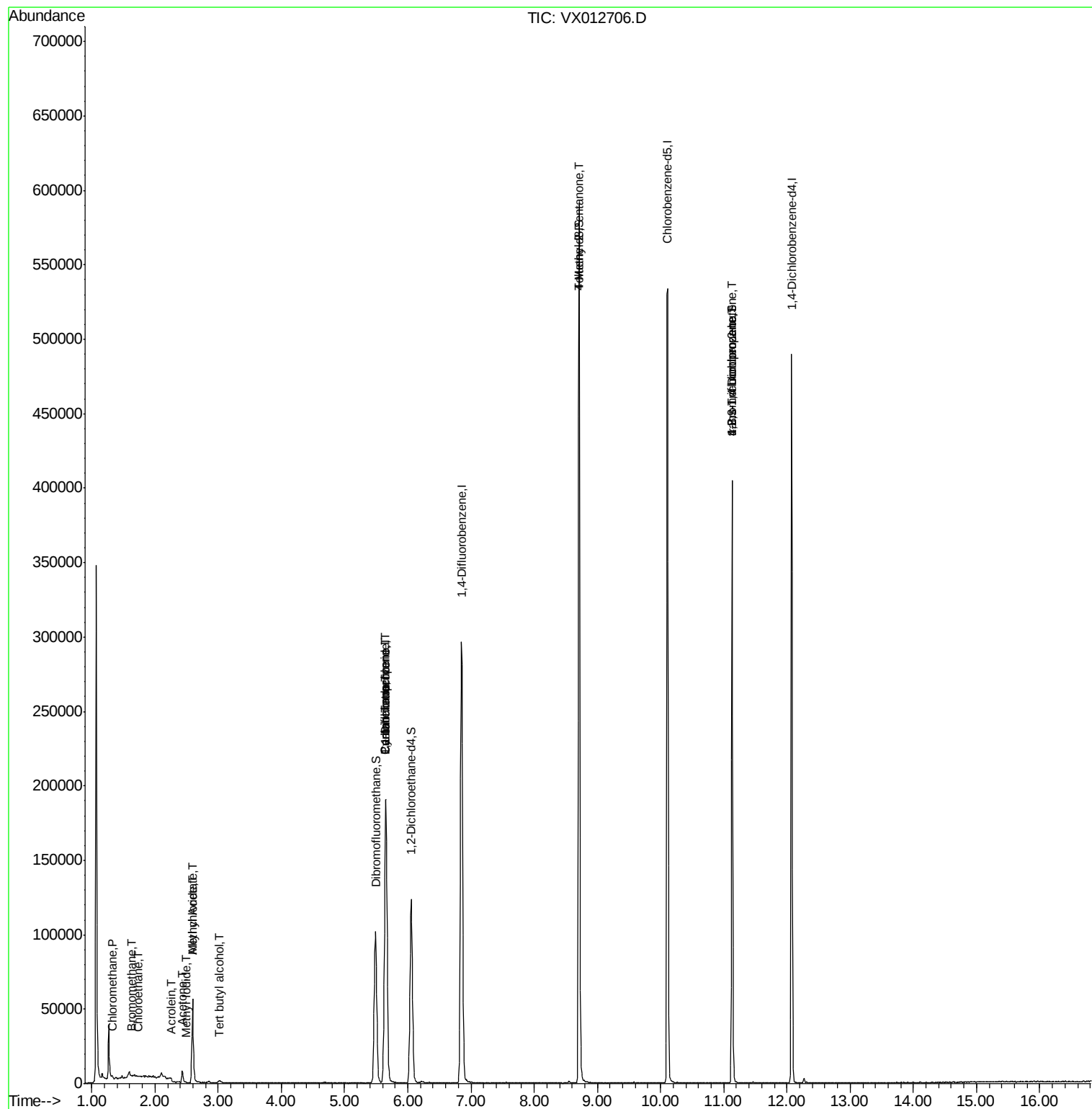
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	771	0.350	ug/l	97
5) Bromomethane	1.64	94	196	0.227	ug/l	86
6) Chloroethane	1.73	64	318	0.215	ug/l	99
10) Methyl Iodide	2.50	142	31	4.967	ug/l #	1
11) Tert butyl alcohol	3.01	59	962	1.549	ug/l #	89
13) Acrolein	2.26	56	46	10.360	ug/l #	1
14) Allyl chloride	2.59	41	5479	1.504	ug/l #	66
16) Acetone	2.43	43	8147	6.187	ug/l	99
18) Methyl Acetate	2.59	43	14096	4.546	ug/l #	54
31) Cyclohexane	5.65	56	3943	1.139	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15004	5.278	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19092	6.611	ug/l #	17
51) 4-Methyl-2-Pentanone	8.72	43	1799	0.524	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60227	24.388	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	60227	69.889	ug/l #	8

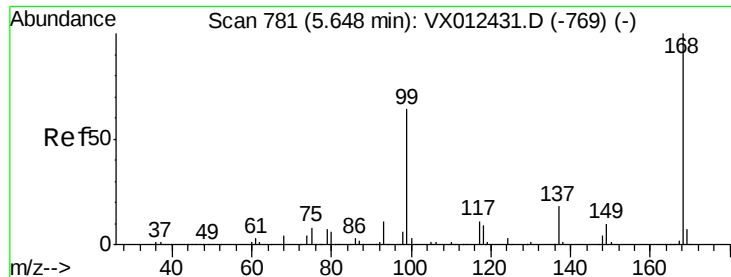
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

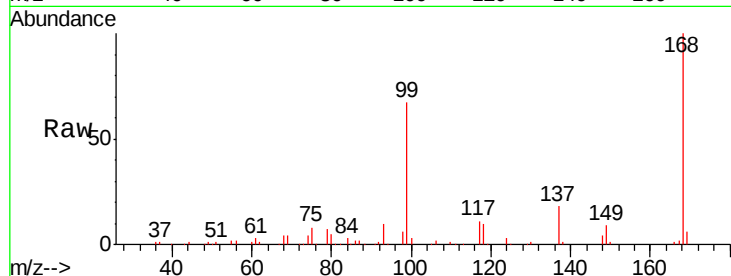
SA-PZ118I-20190926

Tgt Ion:168 Resp: 170726

Ion Ratio Lower Upper

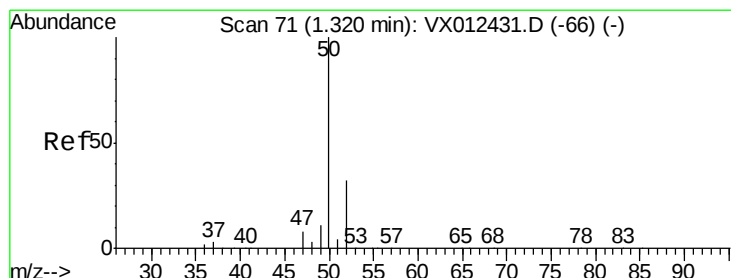
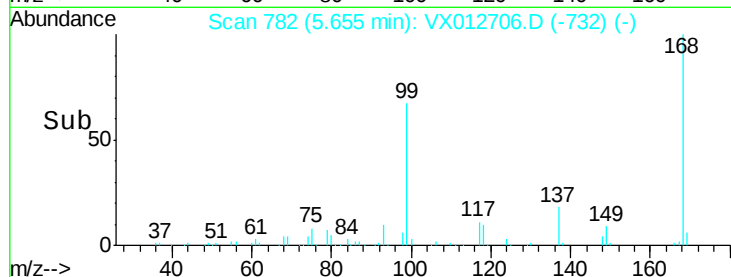
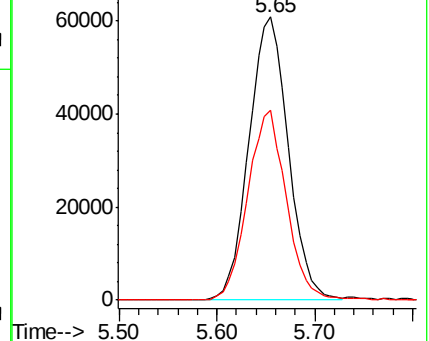
168 100

99 67.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.350 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012706.D

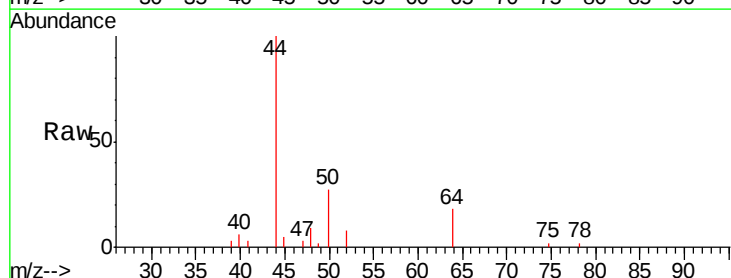
Acq: 30 Sep 2019 15:32

Tgt Ion: 50 Resp: 771

Ion Ratio Lower Upper

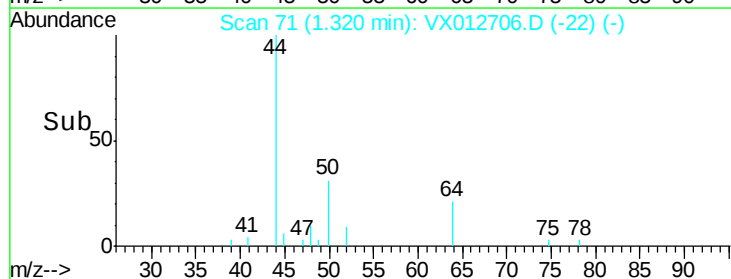
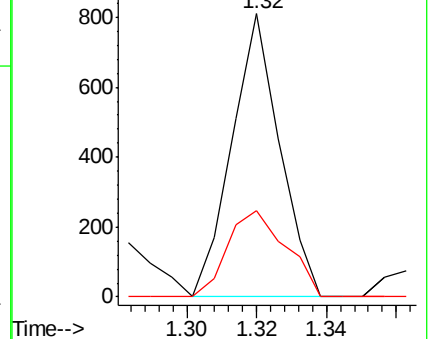
50 100

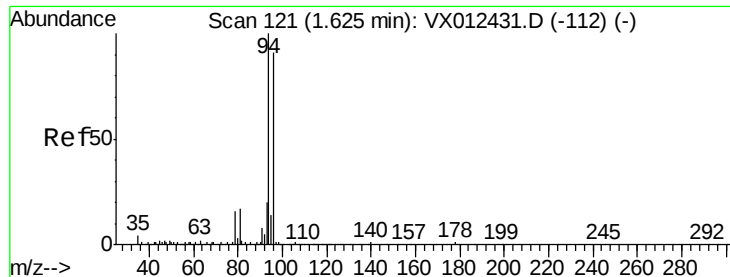
52 30.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.227 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

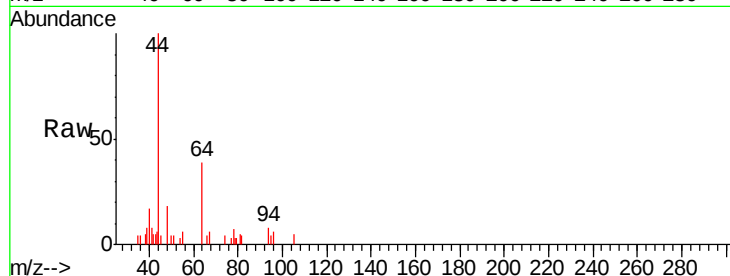
SA-PZ118I-20190926

Tgt Ion: 94 Resp: 196

Ion Ratio Lower Upper

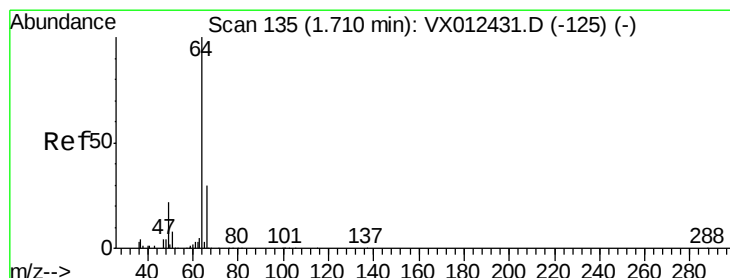
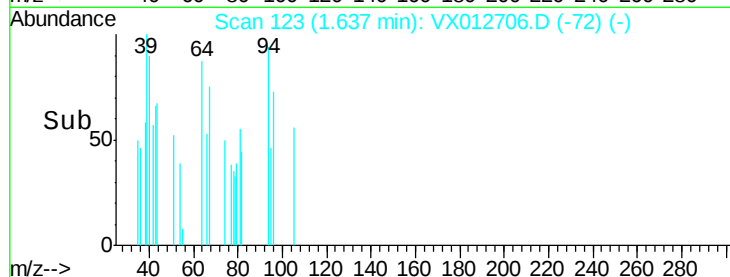
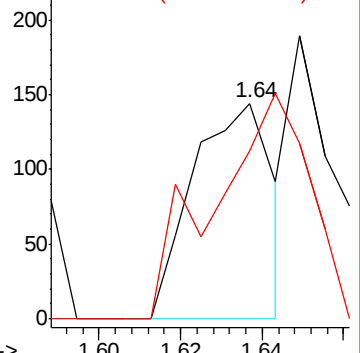
94 100

96 77.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.215 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX012706.D

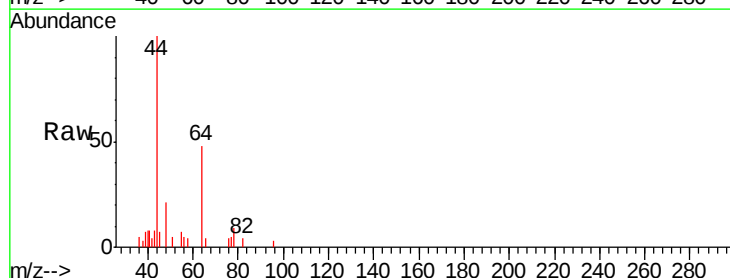
Acq: 30 Sep 2019 15:32

Tgt Ion: 64 Resp: 318

Ion Ratio Lower Upper

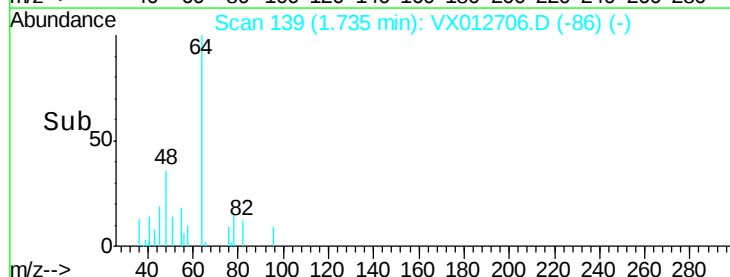
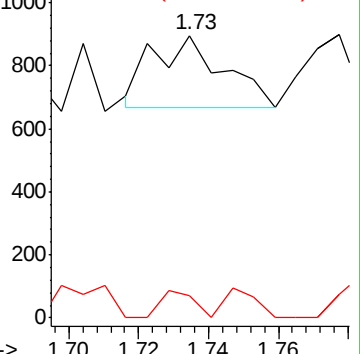
64 100

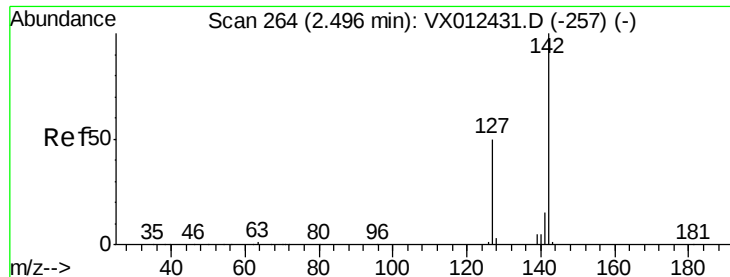
66 30.7 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 4.967 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

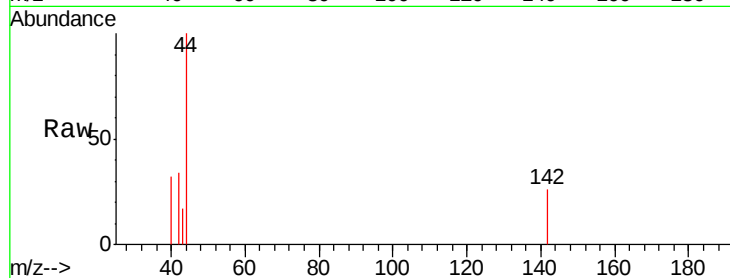
Instrument :

MSVOA_X

ClientSampleId :

SA-PZ118I-20190926

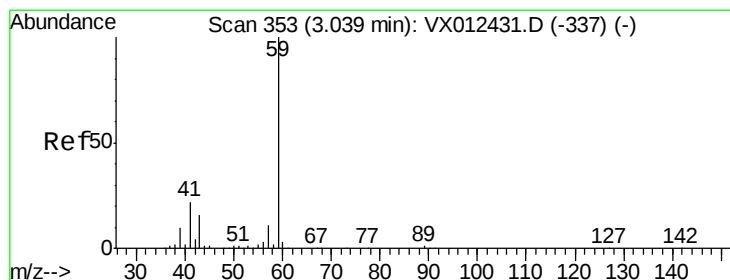
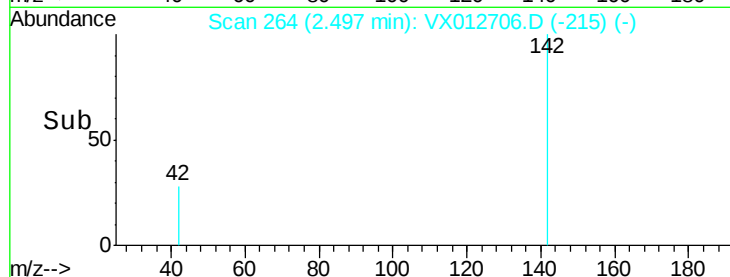
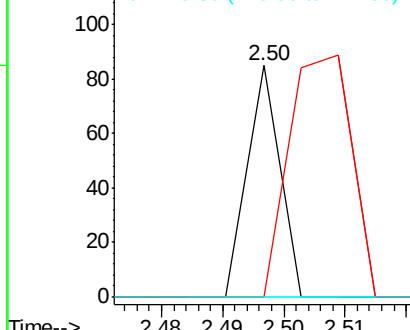
Tgt Ion:	142	Resp:	31
Ion	Ratio	Lower	Upper
142	100		
127	203.2	40.8	61.2#
141	0.0	12.1	18.1#



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: 1.549 ug/l

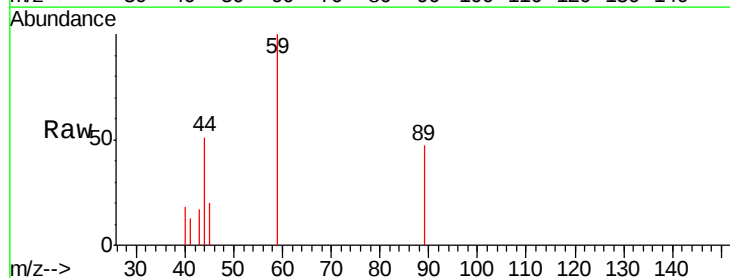
RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012706.D

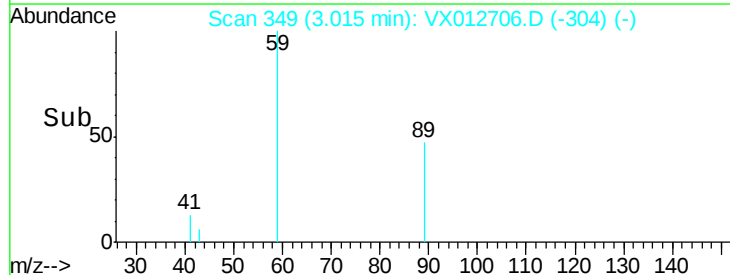
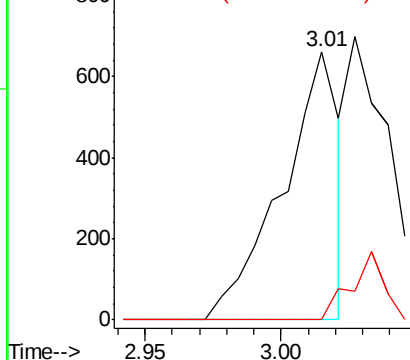
Acq: 30 Sep 2019 15:32

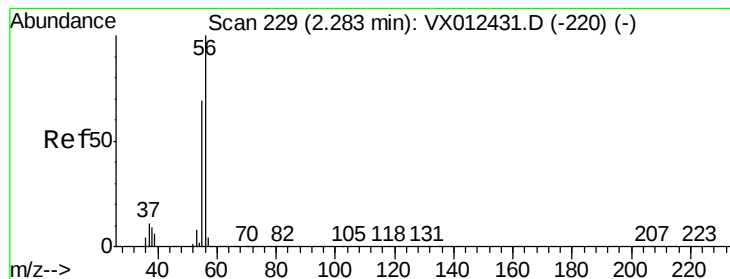
Tgt Ion:	59	Resp:	962
Ion	Ratio	Lower	Upper
59	100		
57	14.4	8.3	12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.360 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

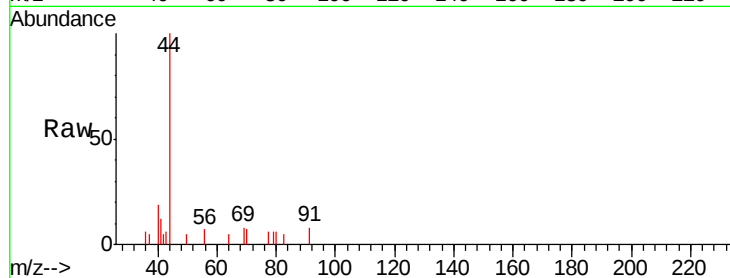
SA-PZ118I-20190926

Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

56 100

55 228.3 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

100

50

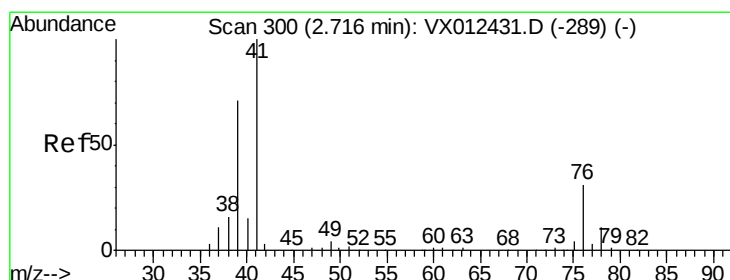
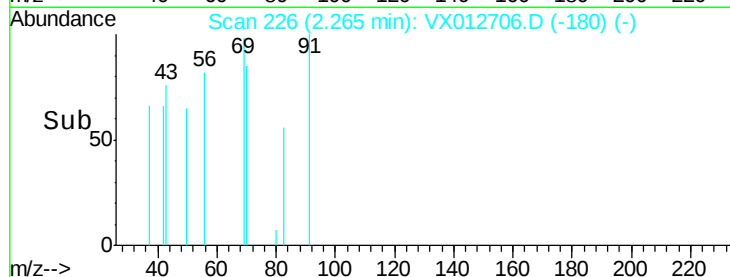
0

2.24

2.26

2.28

Time-->



#14

Allyl chloride

Concen: 1.504 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

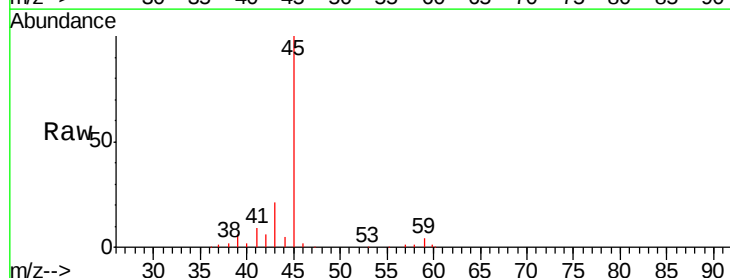
Tgt Ion: 41 Resp: 5479

Ion Ratio Lower Upper

41 100

39 84.2 51.3 76.9#

76 0.0 22.6 33.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

4000

3000

2000

1000

0

2.50

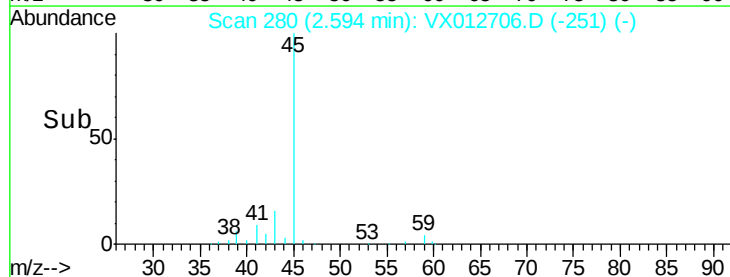
2.55

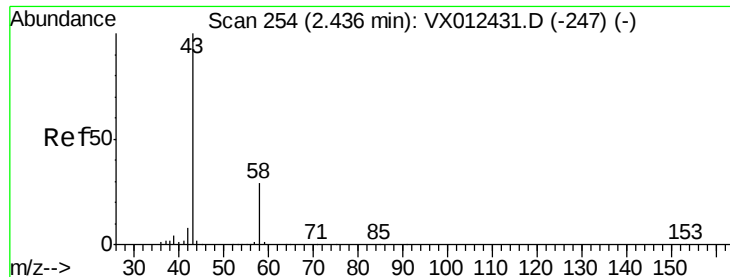
2.60

2.65

2.70

Time-->





#16

Acetone

Concen: 6.187 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

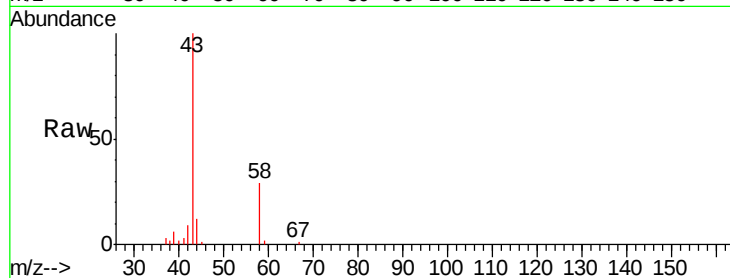
SA-PZ118I-20190926

Tgt Ion: 43 Resp: 8147

Ion Ratio Lower Upper

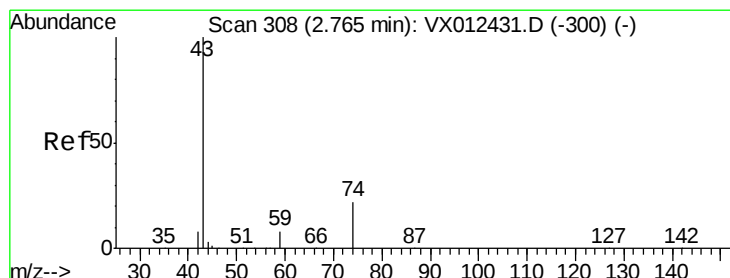
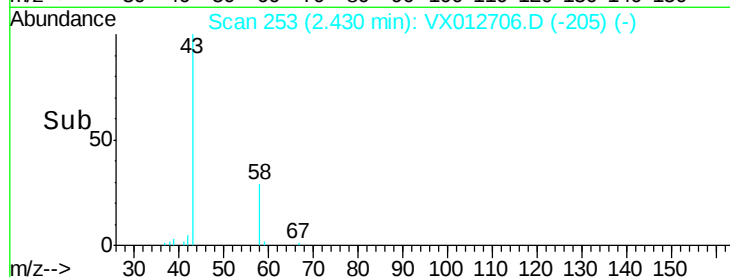
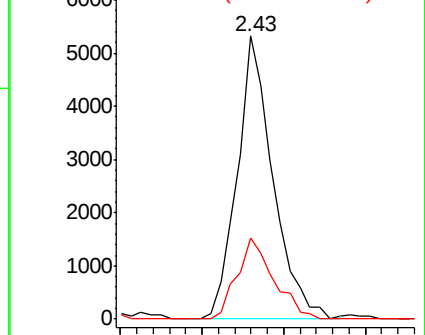
43 100

58 28.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 4.546 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012706.D

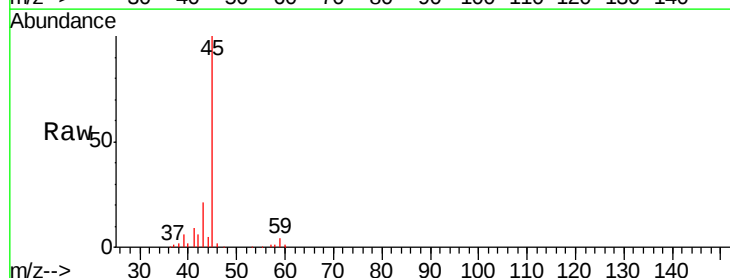
Acq: 30 Sep 2019 15:32

Tgt Ion: 43 Resp: 14096

Ion Ratio Lower Upper

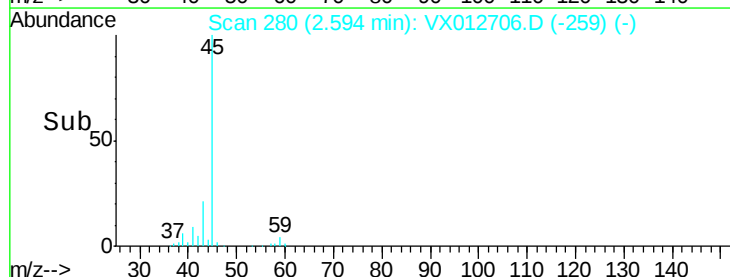
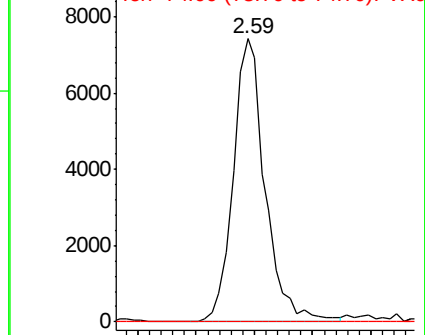
43 100

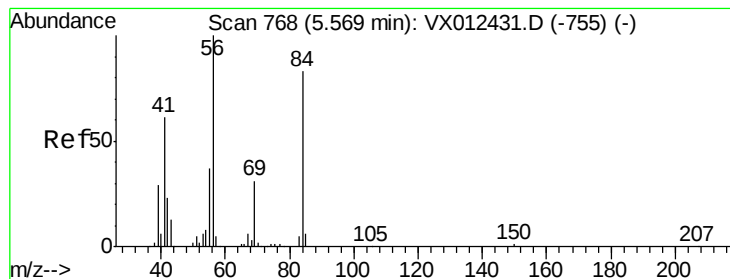
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

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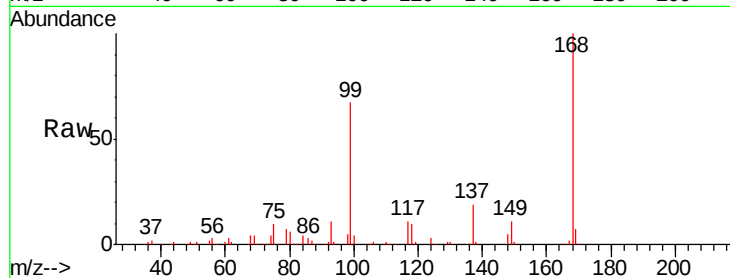
Tgt Ion: 56 Resp: 3943

Ion Ratio Lower Upper

56 100

69 160.8 25.0 37.6#

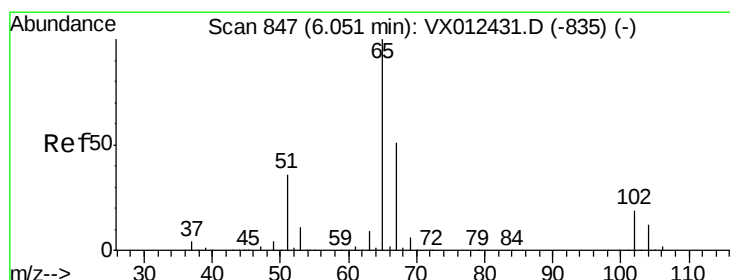
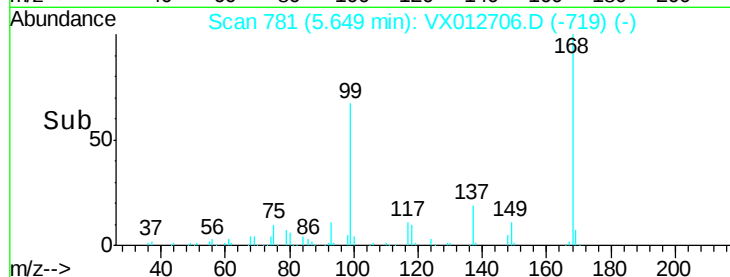
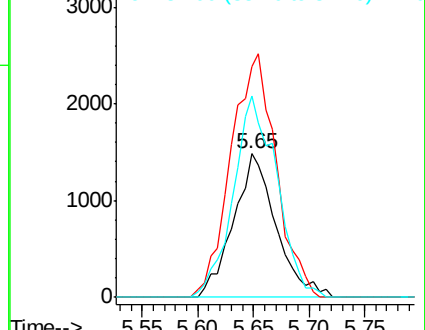
84 140.6 66.4 99.6#



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: 47.512 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012706.D

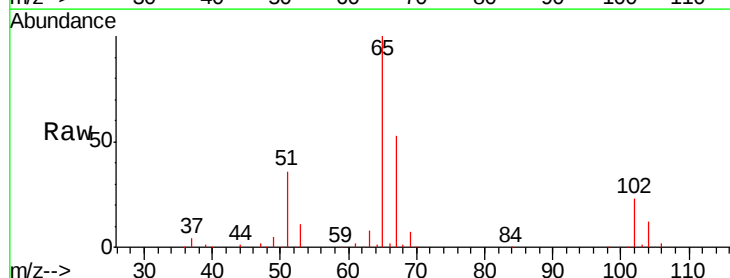
Acq: 30 Sep 2019 15:32

Tgt Ion: 65 Resp: 118120

Ion Ratio Lower Upper

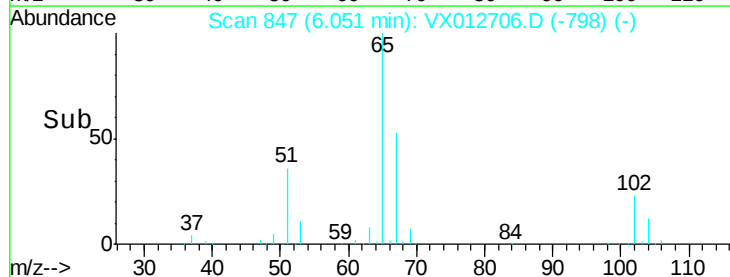
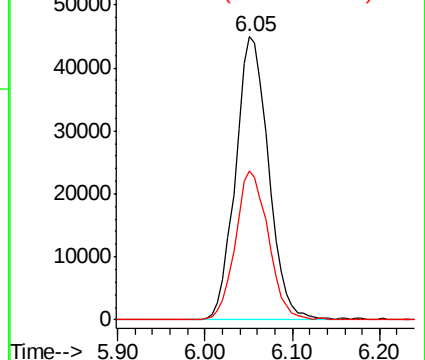
65 100

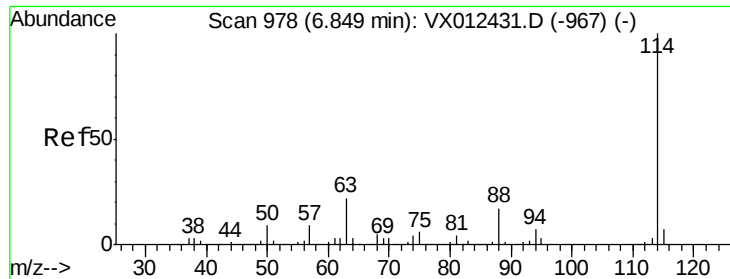
67 52.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

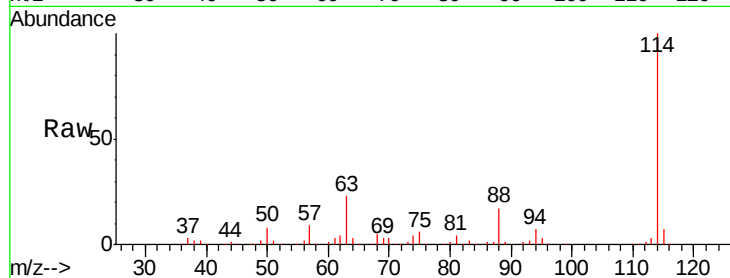




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012706.D
 Acq: 30 Sep 2019 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ118I-20190926

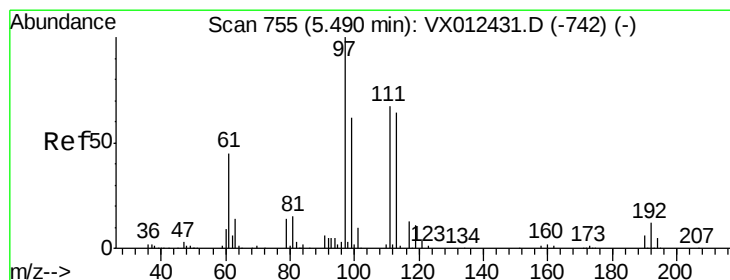
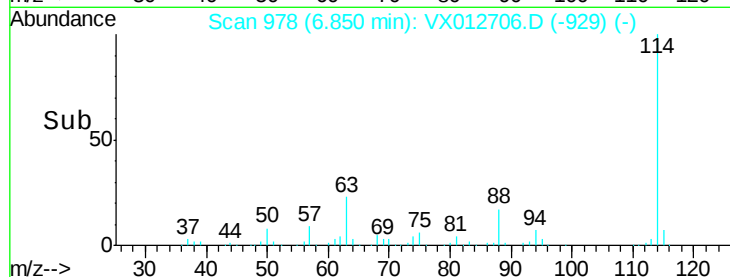
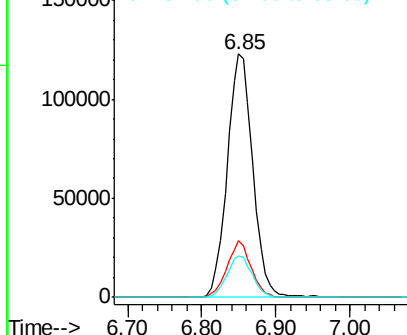
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	43.2
88	17.2	0.0	33.2



Abundance Ion 113.90 (113.60 to 114.60): V

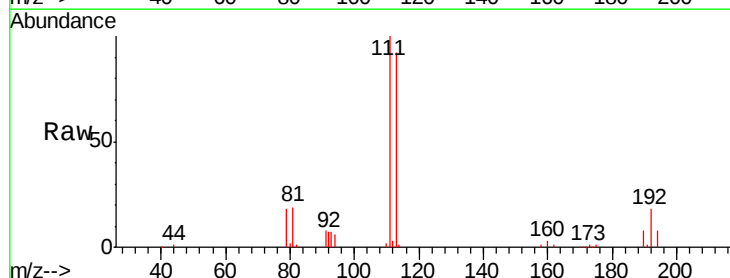
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 49.749 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012706.D
 Acq: 30 Sep 2019 15:32

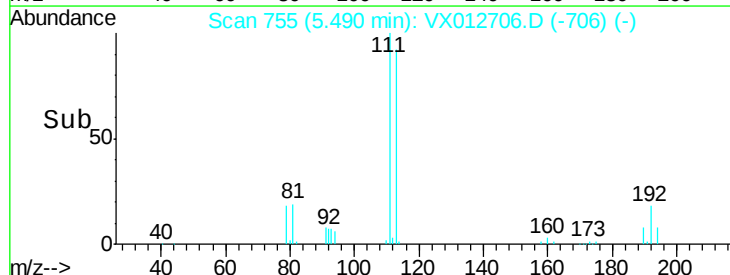
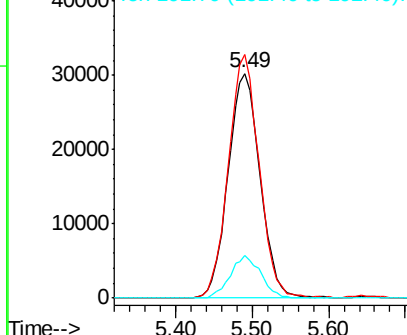
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.4	125.2
192	18.0	14.4	21.6

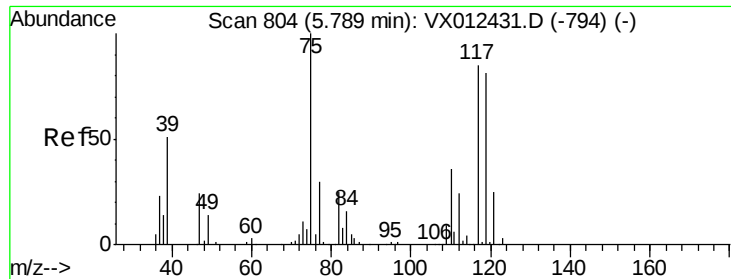


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

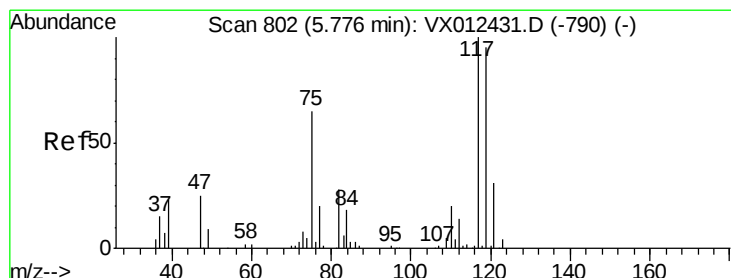
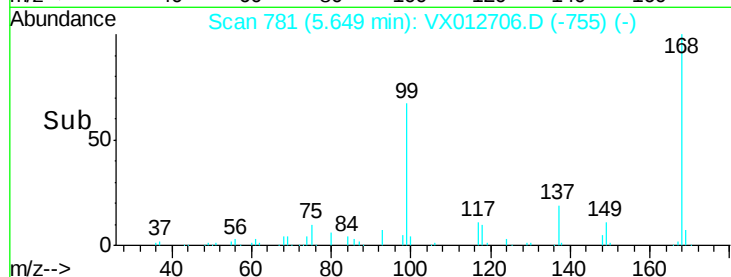
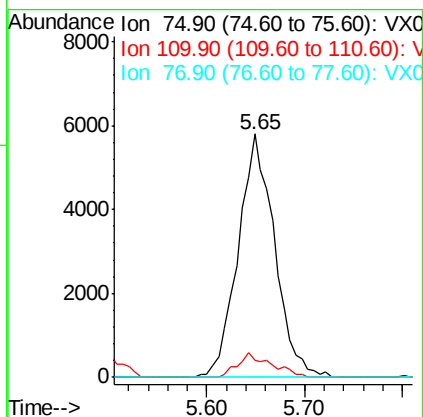
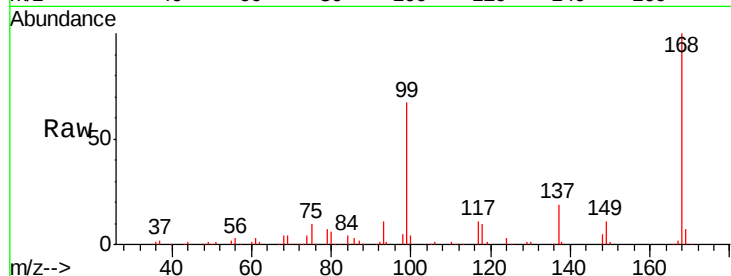




#36
 1,1-Dichloropropene
 Concen: 5.278 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012706.D
 Acq: 30 Sep 2019 15:32

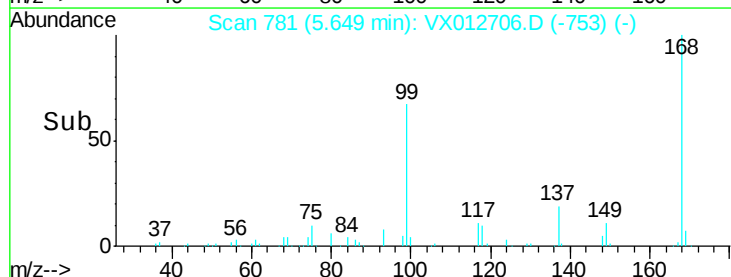
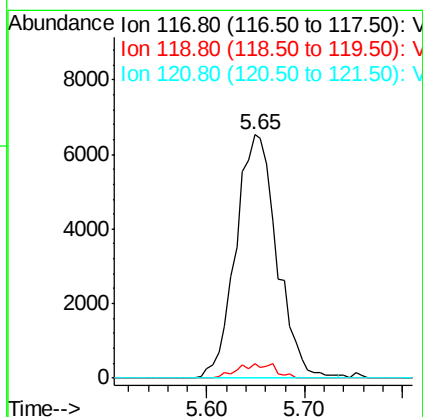
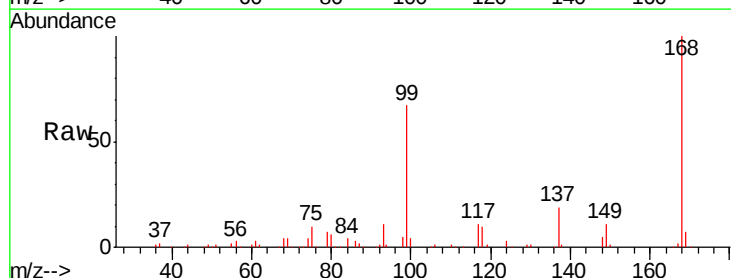
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ118I-20190926

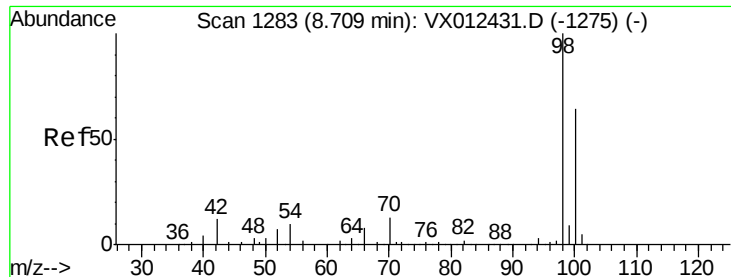
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.7	50.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.611 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012706.D
 Acq: 30 Sep 2019 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.7	113.5#
121	0.0	24.2	36.4#

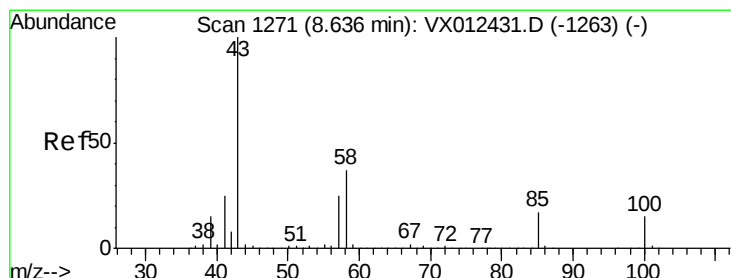
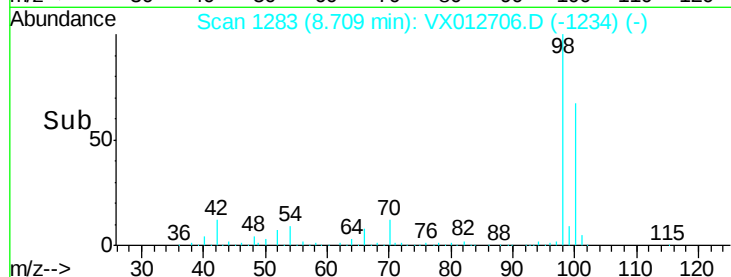
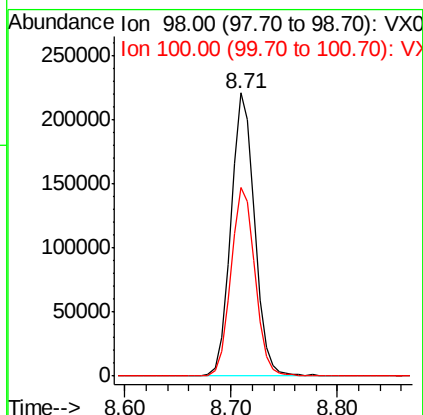
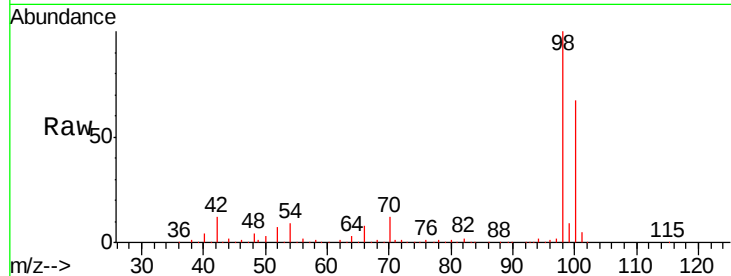




#50
Toluene-d8
Concen: 51.101 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012706.D
Acq: 30 Sep 2019 15:32

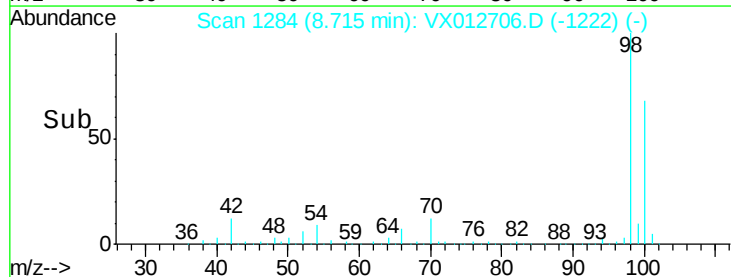
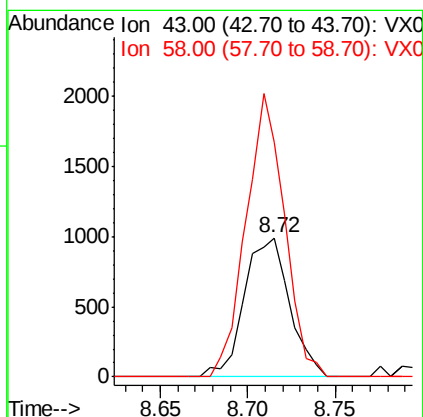
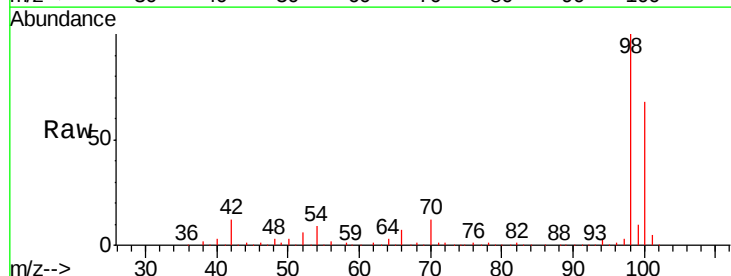
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ118I-20190926

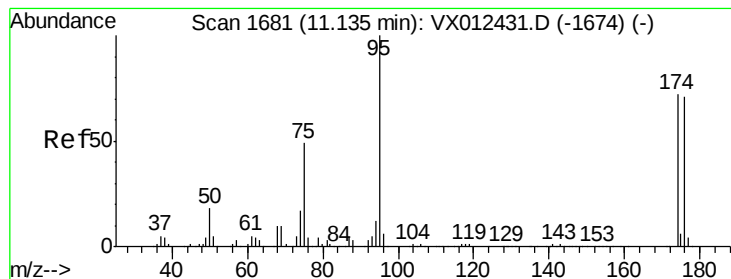
Tgt Ion: 98 Resp: 345659
Ion Ratio Lower Upper
98 100
100 67.6 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.524 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012706.D
Acq: 30 Sep 2019 15:32

Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
58 172.7 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 44.742 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ118I-20190926

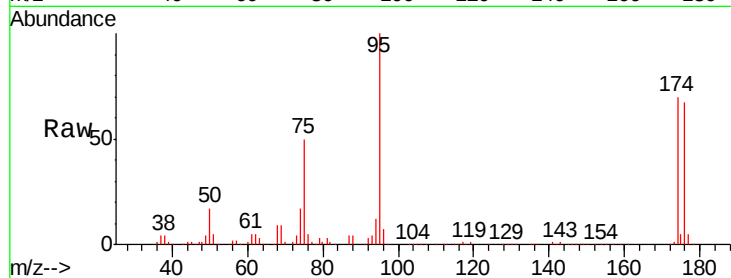
Tgt Ion: 95 Resp: 119001

Ion Ratio Lower Upper

95 100

174 65.6 0.0 140.0

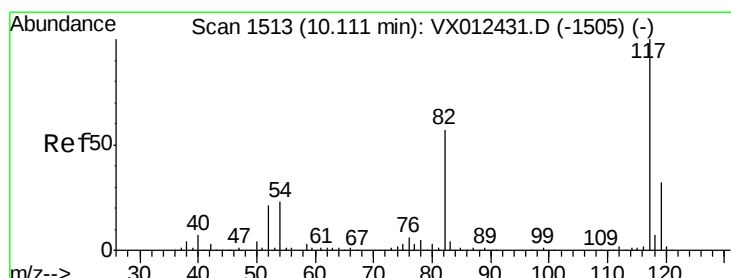
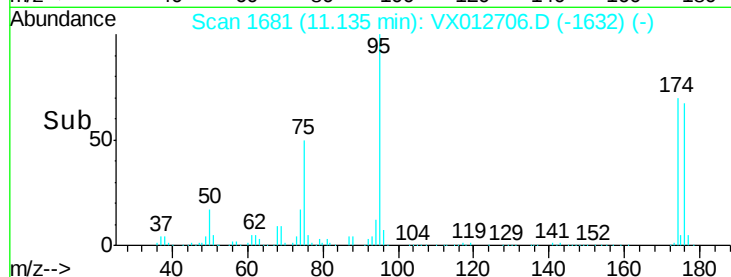
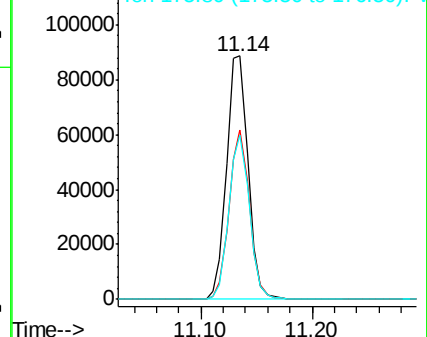
176 64.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012706.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012706.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012706.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

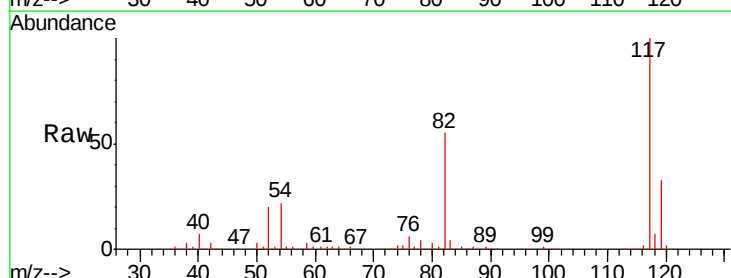
Tgt Ion: 117 Resp: 248421

Ion Ratio Lower Upper

117 100

82 55.5 45.9 68.9

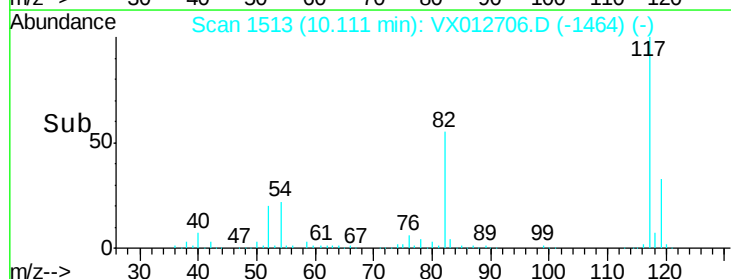
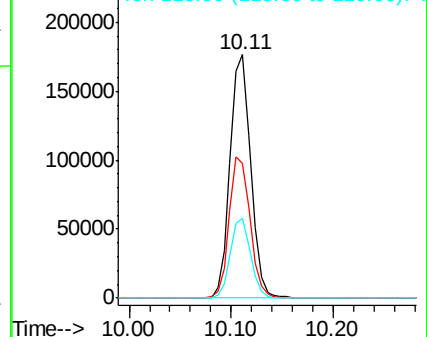
119 32.5 25.3 37.9

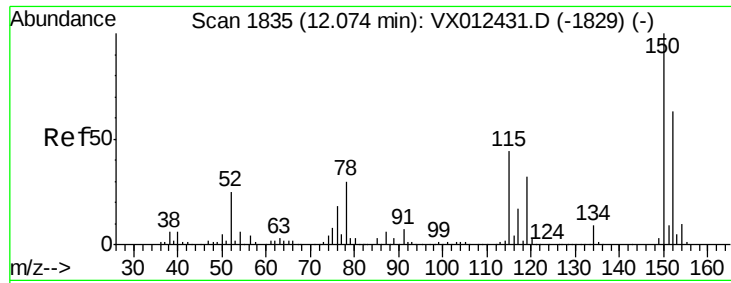


Abundance Ion 116.90 (116.60 to 117.60): VX012706.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012706.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012706.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ118I-20190926

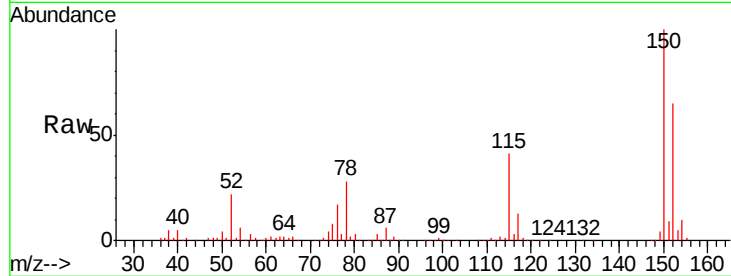
Tgt Ion:152 Resp: 93359

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.3

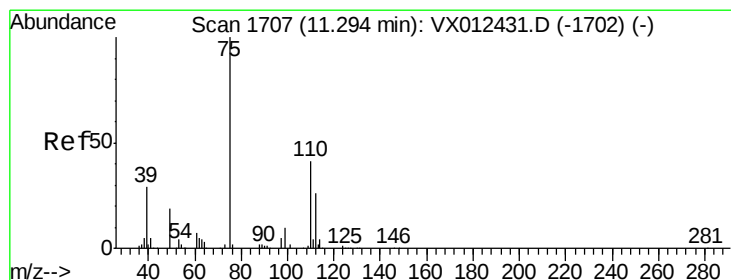
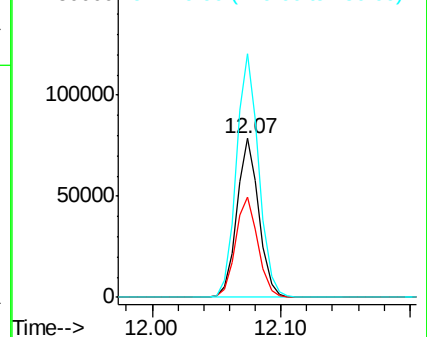
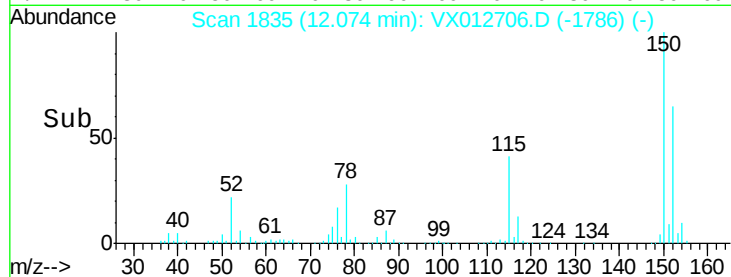
150 156.7 0.0 343.8



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: 24.388 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012706.D

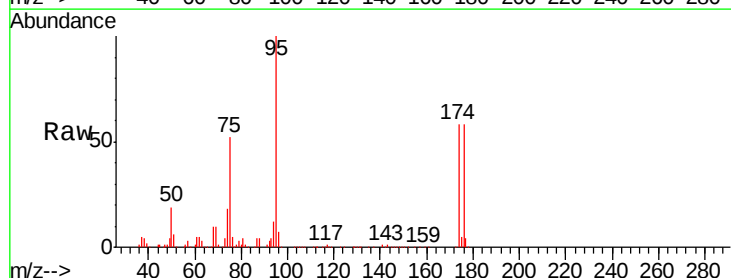
Acq: 30 Sep 2019 15:32

Tgt Ion: 75 Resp: 60227

Ion Ratio Lower Upper

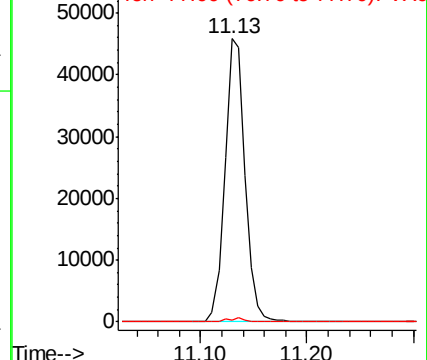
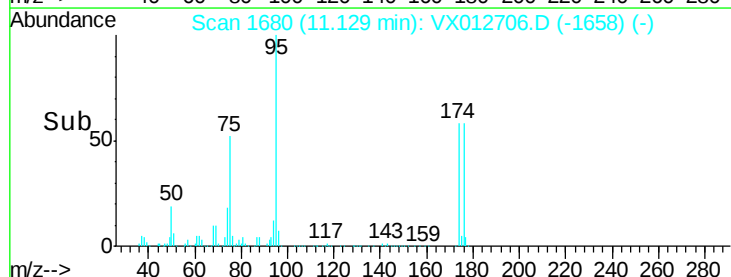
75 100

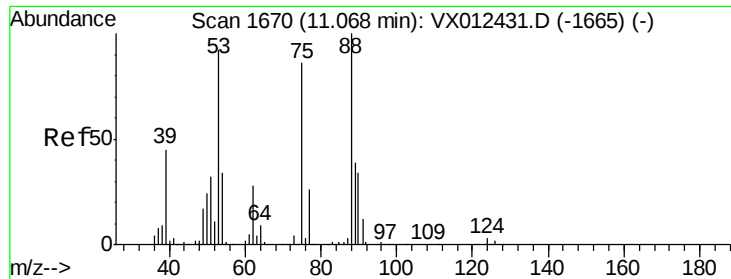
77 1.2 19.7 59.0#



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: 69.889 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012706.D

Acq: 30 Sep 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ118I-20190926

Tgt Ion: 75 Resp: 60227

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

