

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012712.D
 Acq On : 30 Sep 2019 17:53
 Operator : JC/SP
 Sample : K5081-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ125-20190926

Quant Time: Oct 01 03:48:39 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	163798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96727	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	117631	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	5.49	113	87035	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	8.71	98	335671	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	117512	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

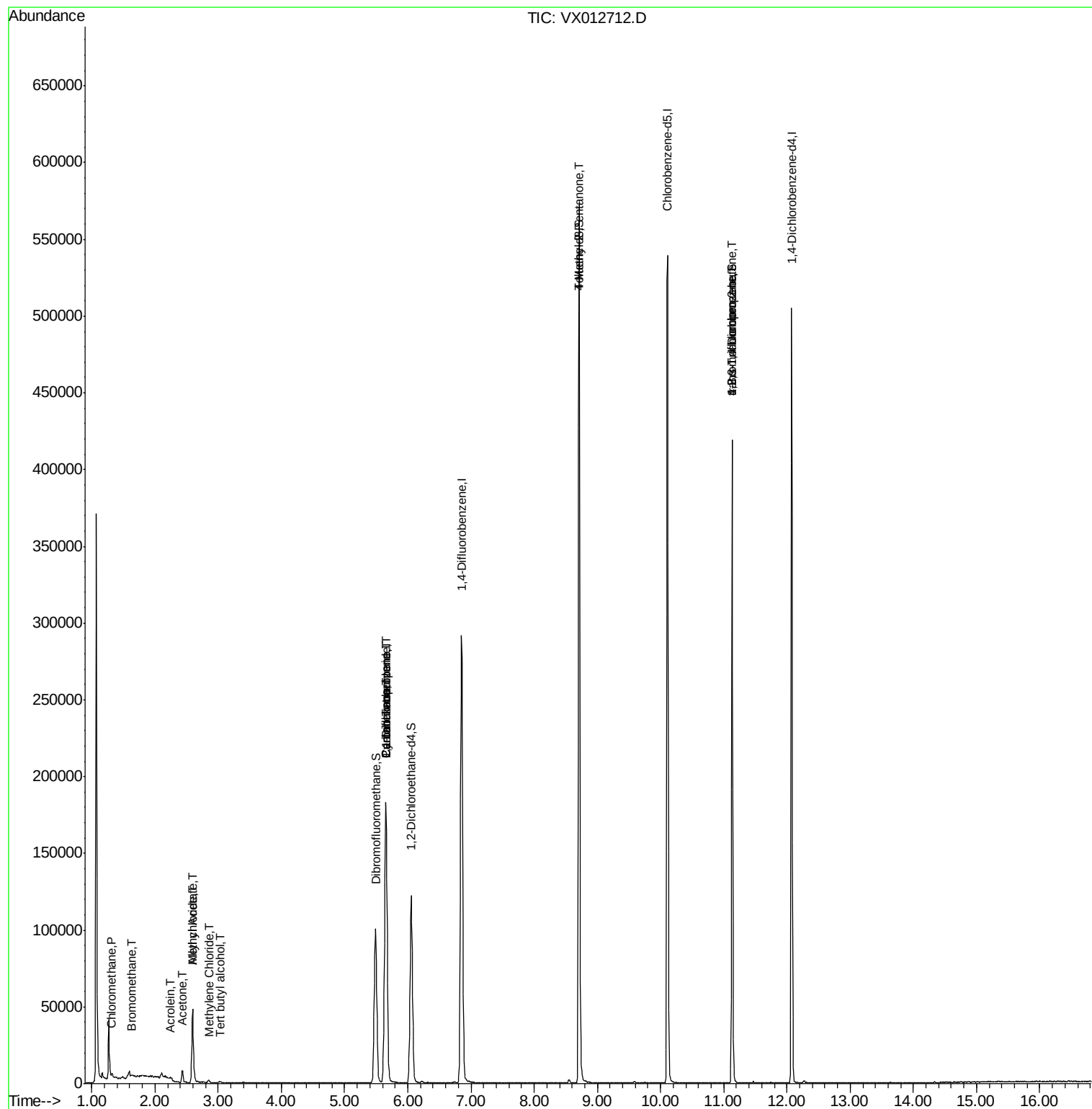
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1472	0.696	ug/l #	85
5) Bromomethane	1.64	94	207	0.250	ug/l	81
11) Tert butyl alcohol	3.03	59	1094	1.836	ug/l #	72
13) Acrolein	2.25	56	194	10.793	ug/l #	68
14) Allyl chloride	2.59	41	4930	1.411	ug/l #	71
16) Acetone	2.43	43	8487	6.718	ug/l	95
18) Methyl Acetate	2.59	43	13008	4.373	ug/l #	54
20) Methylene Chloride	2.86	84	590	0.276	ug/l #	62
31) Cyclohexane	5.65	56	3663	1.103	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	14014	5.027	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17923	6.329	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1782	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60677	23.714	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	60677	67.960	ug/l #	8

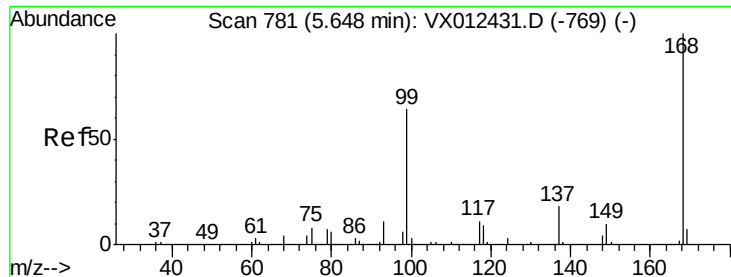
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
Data File : VX012712.D
Acq On : 30 Sep 2019 17:53
Operator : JC/SP
Sample : K5081-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ125-20190926

Quant Time: Oct 01 03:48:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

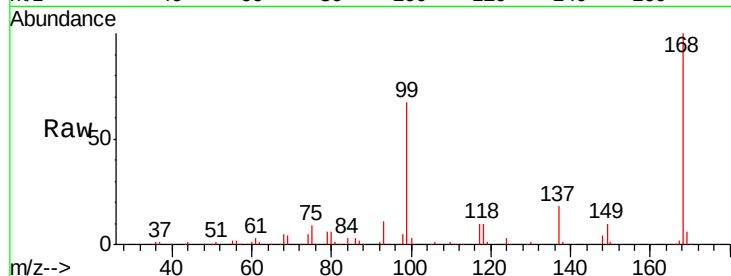
SA-PZ125-20190926

Tgt Ion:168 Resp: 163798

Ion Ratio Lower Upper

168 100

99 67.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

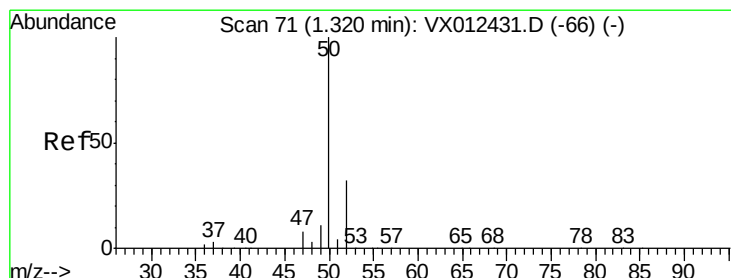
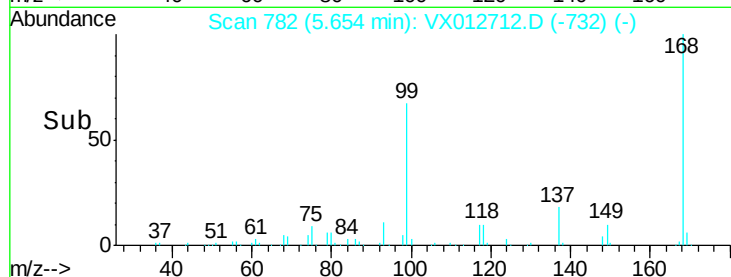
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.696 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012712.D

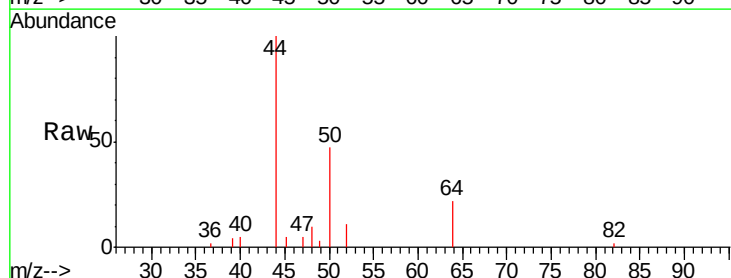
Acq: 30 Sep 2019 17:53

Tgt Ion: 50 Resp: 1472

Ion Ratio Lower Upper

50 100

52 23.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

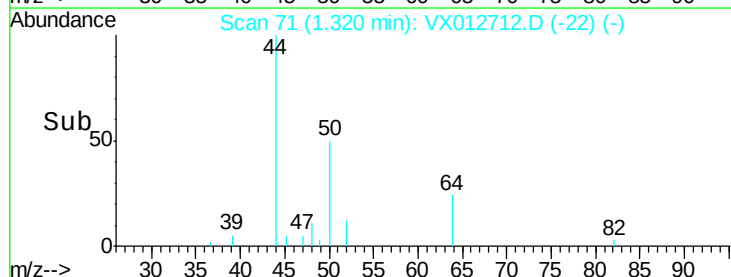
1500

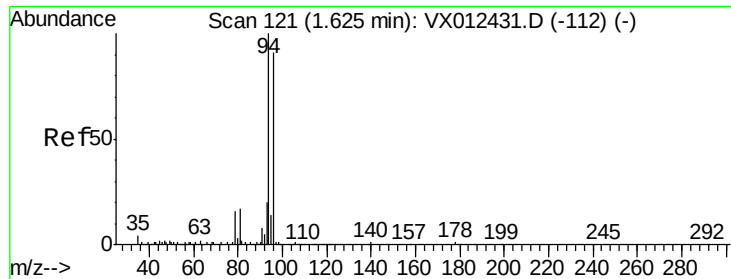
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.250 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

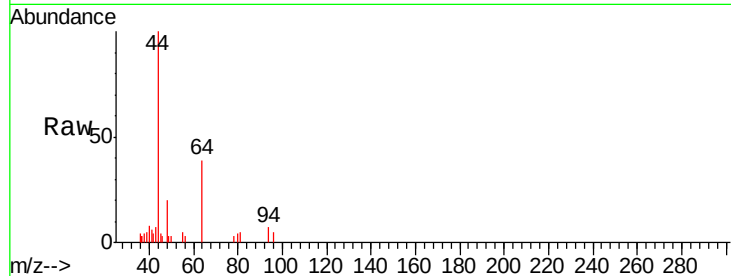
SA-PZ125-20190926

Tgt Ion: 94 Resp: 207

Ion Ratio Lower Upper

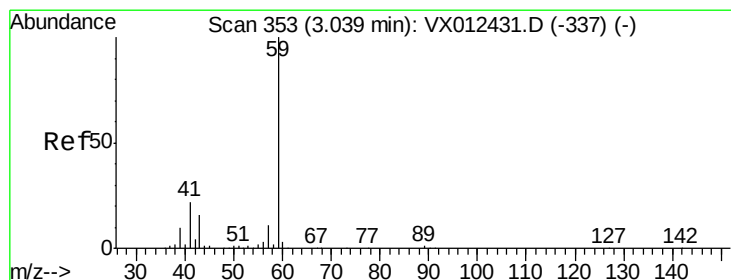
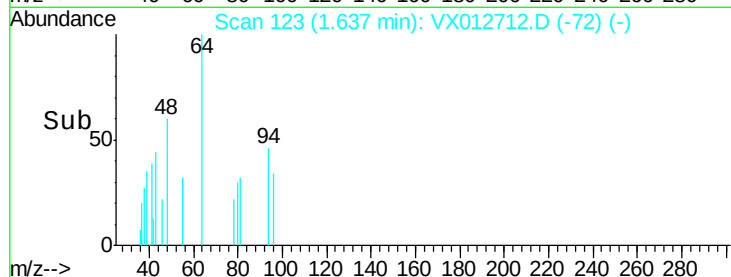
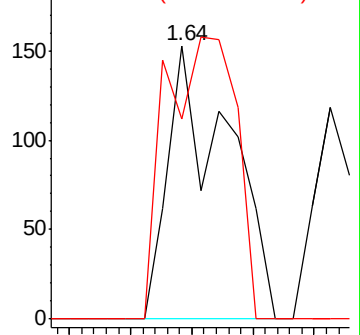
94 100

96 73.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.836 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012712.D

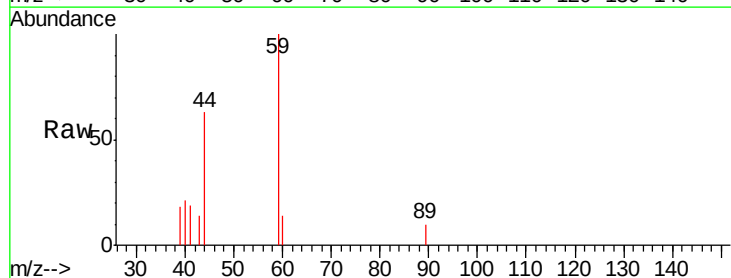
Acq: 30 Sep 2019 17:53

Tgt Ion: 59 Resp: 1094

Ion Ratio Lower Upper

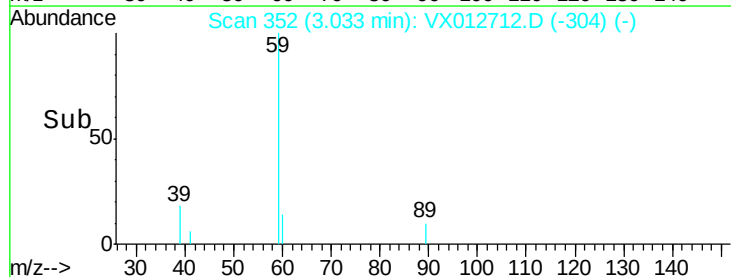
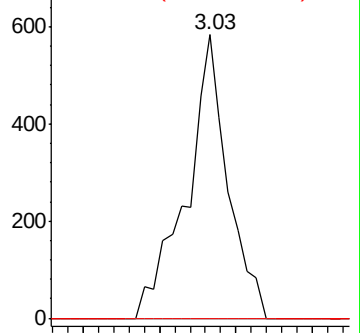
59 100

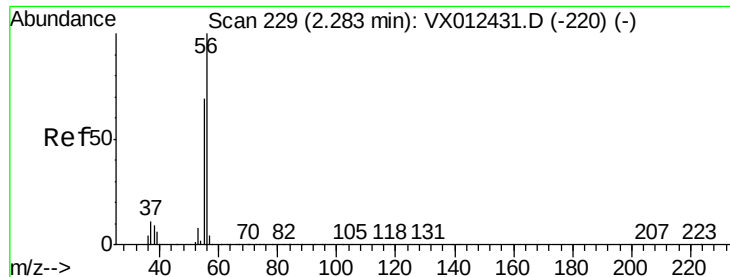
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.793 ug/l

RT: 2.25 min Scan# 223

Delta R.T. -0.04 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

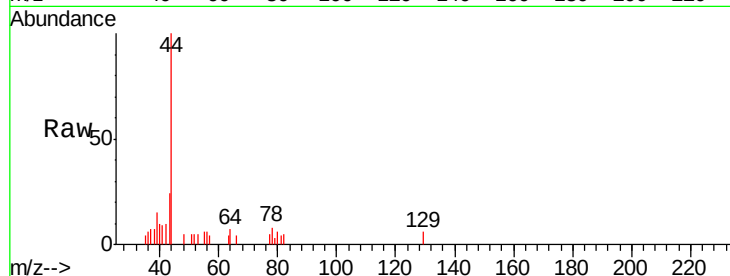
SA-PZ125-20190926

Tgt Ion: 56 Resp: 194

Ion Ratio Lower Upper

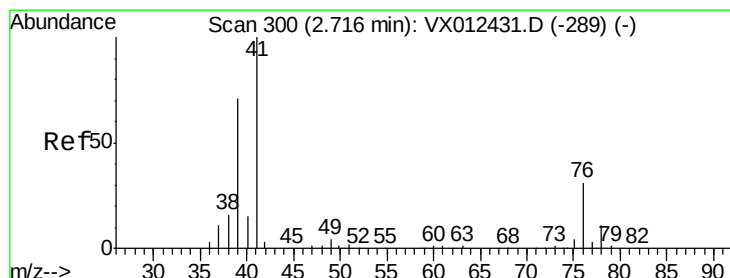
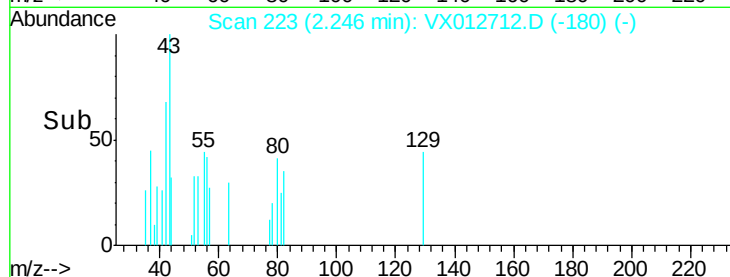
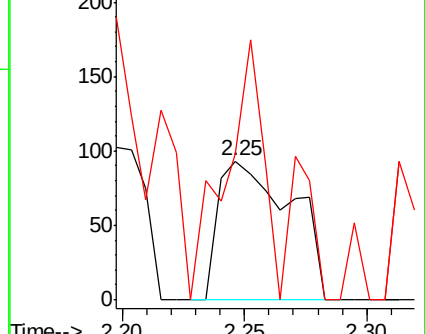
56 100

55 95.9 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.411 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

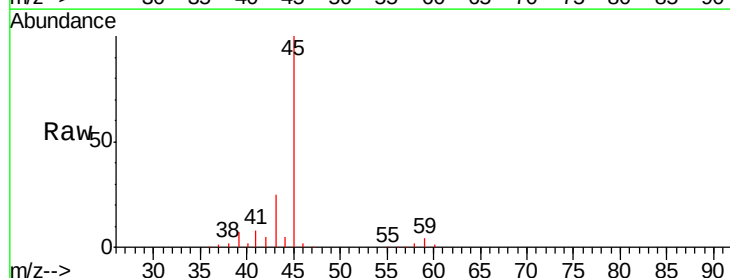
Tgt Ion: 41 Resp: 4930

Ion Ratio Lower Upper

41 100

39 78.6 51.3 76.9#

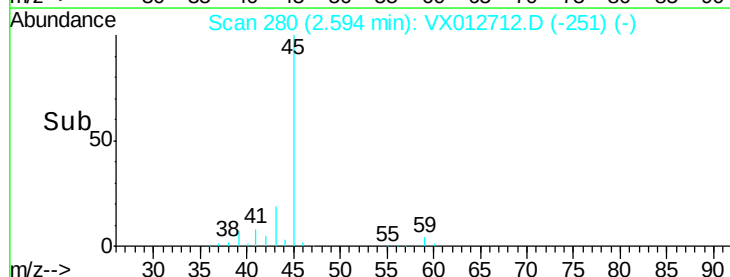
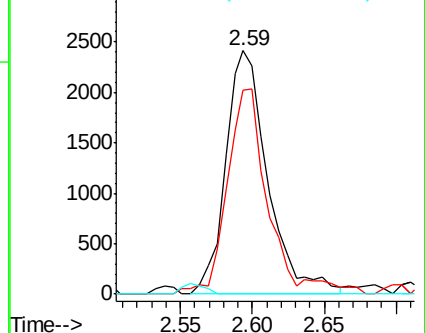
76 0.0 22.6 33.8#

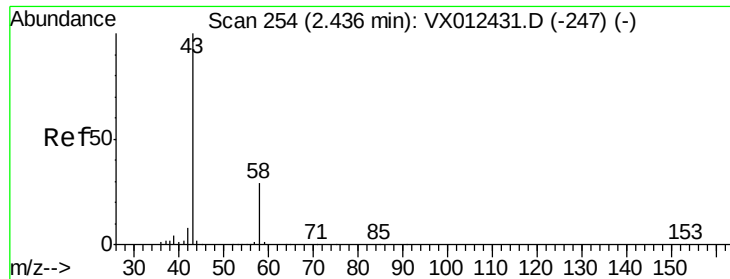


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 6.718 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

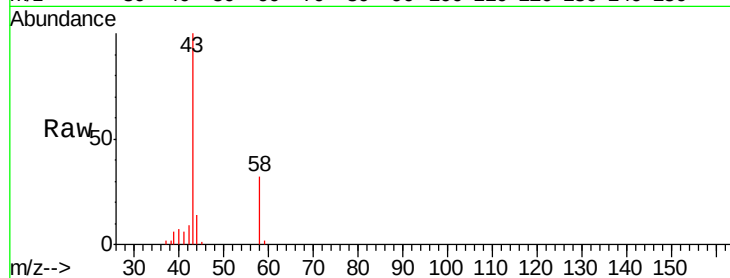
SA-PZ125-20190926

Tgt Ion: 43 Resp: 8487

Ion Ratio Lower Upper

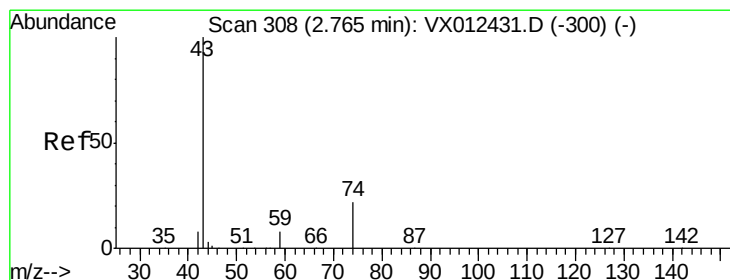
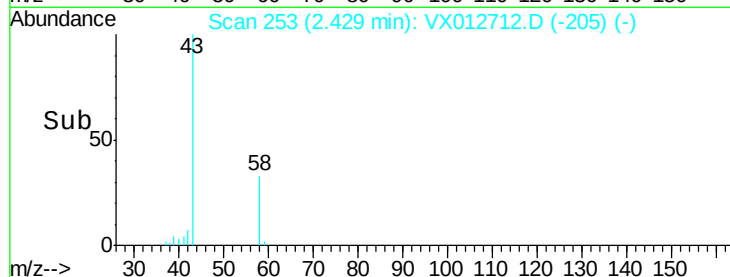
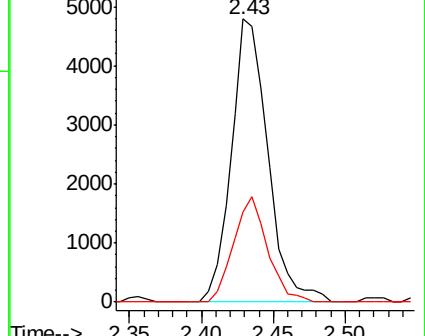
43 100

58 31.9 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: 4.373 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012712.D

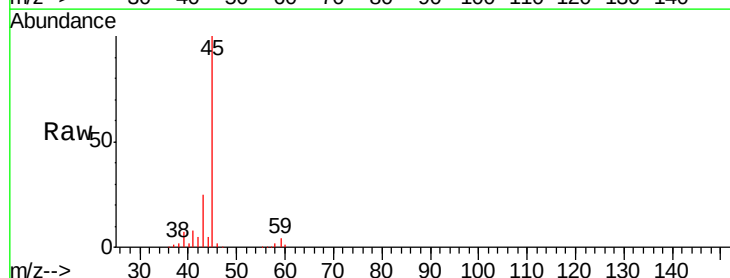
Acq: 30 Sep 2019 17:53

Tgt Ion: 43 Resp: 13008

Ion Ratio Lower Upper

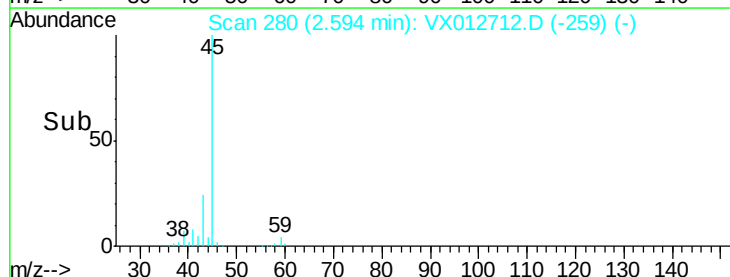
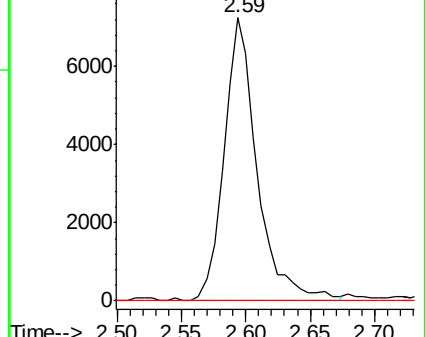
43 100

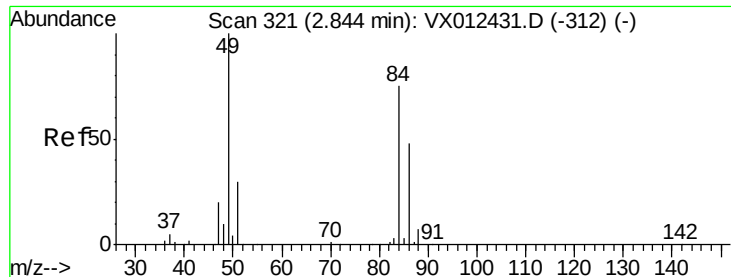
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.276 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ125-20190926

Tgt Ion: 84 Resp: 590

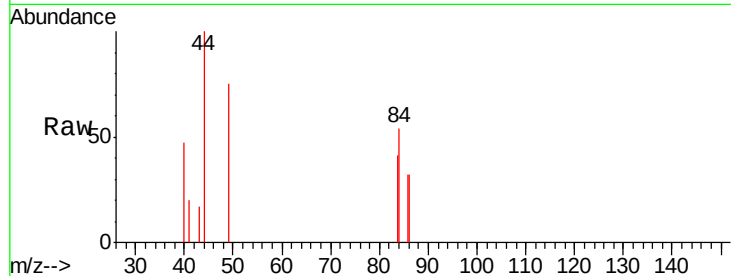
Ion Ratio Lower Upper

84 100

49 78.9 106.8 160.2#

51 0.0 32.3 48.5#

86 66.8 51.3 76.9

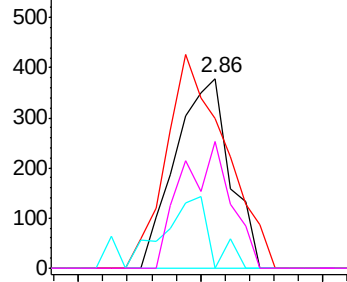


Abundance Ion 83.90 (83.60 to 84.60): VX0

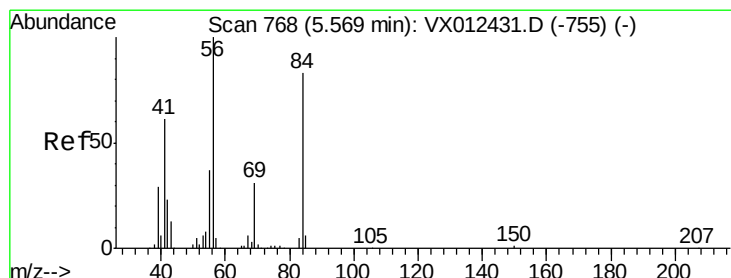
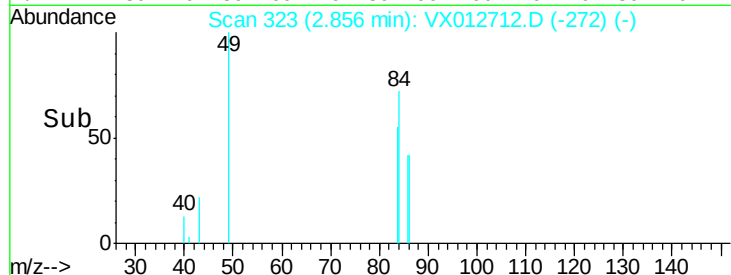
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

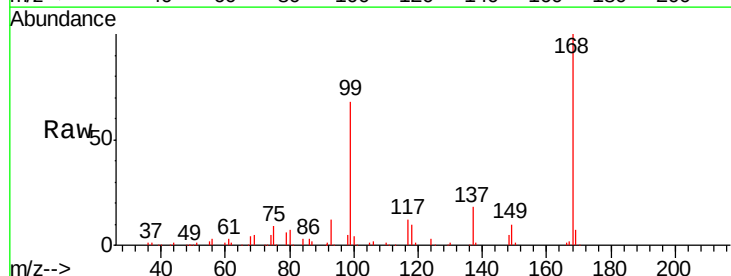
Tgt Ion: 56 Resp: 3663

Ion Ratio Lower Upper

56 100

69 161.5 25.0 37.6#

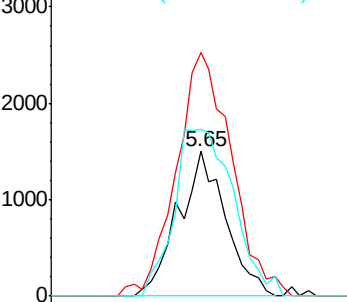
84 115.5 66.4 99.6#



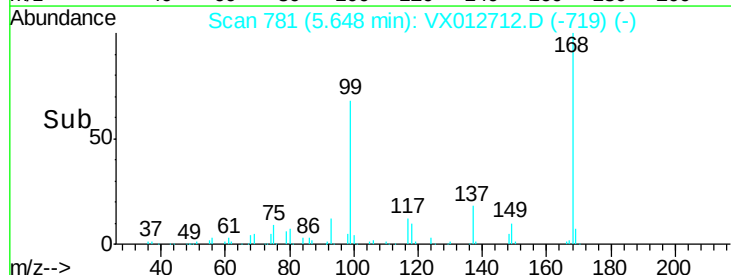
Abundance Ion 56.00 (55.70 to 56.70): VX0

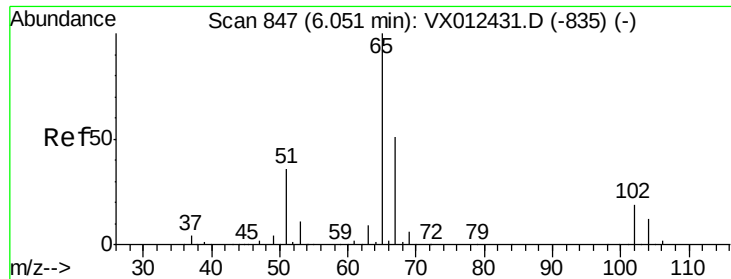
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

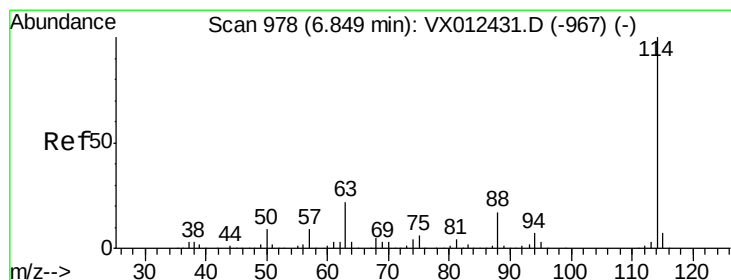
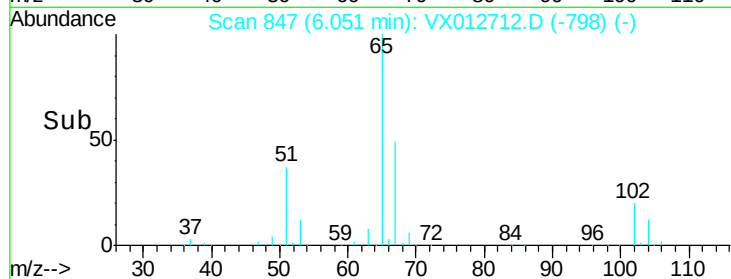
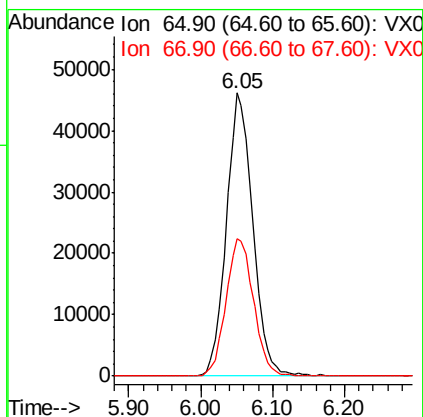
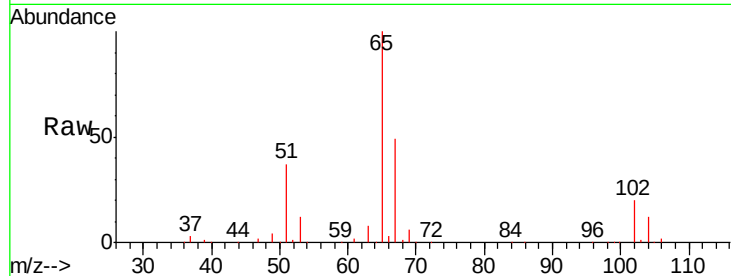




#33
 1,2-Dichloroethane-d4
 Concen: 49.317 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012712.D
 Acq: 30 Sep 2019 17:53

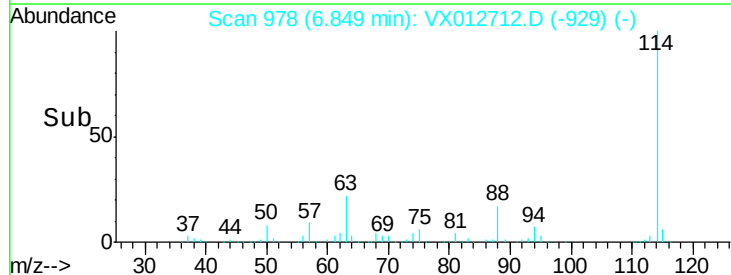
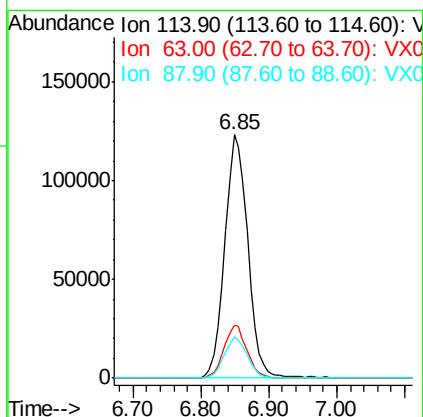
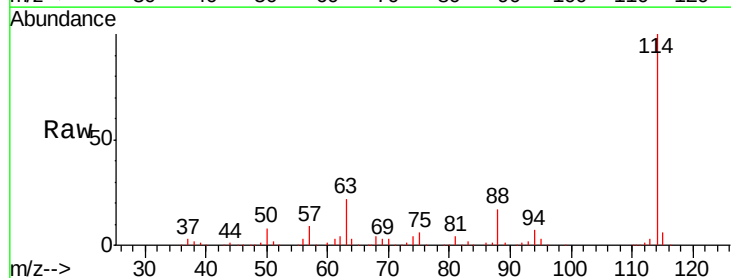
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ125-20190926

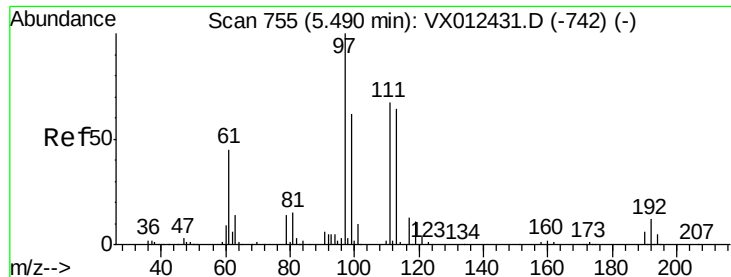
Tgt Ion: 65 Resp: 117631
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012712.D
 Acq: 30 Sep 2019 17:53

Tgt Ion: 114 Resp: 289198
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.534 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ125-20190926

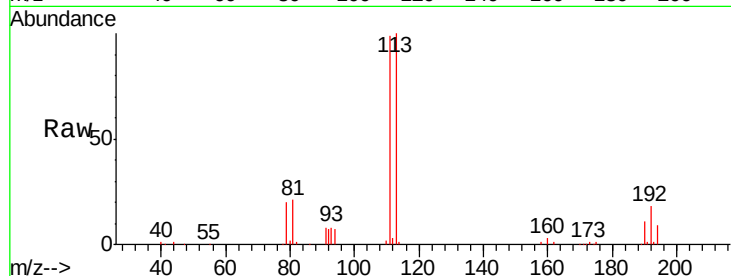
Tgt Ion:113 Resp: 87035

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

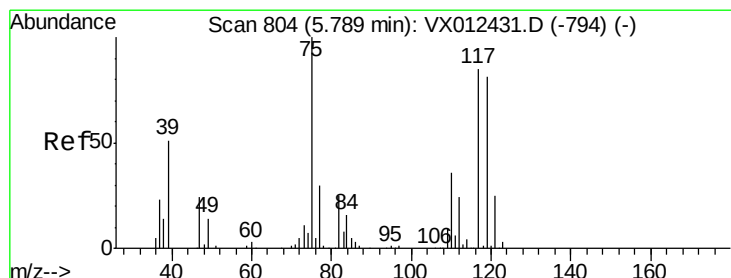
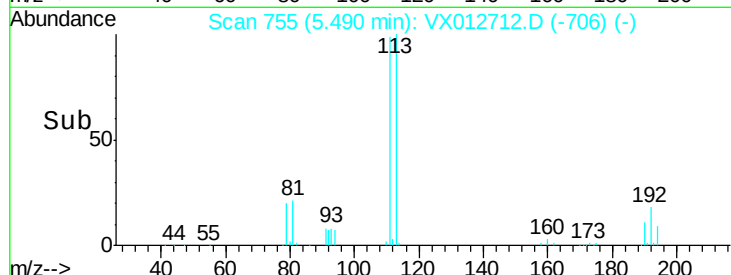
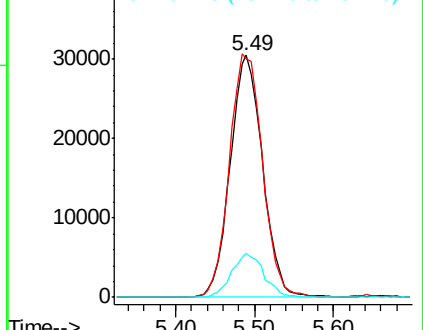
192 18.0 14.4 21.6



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: 5.027 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

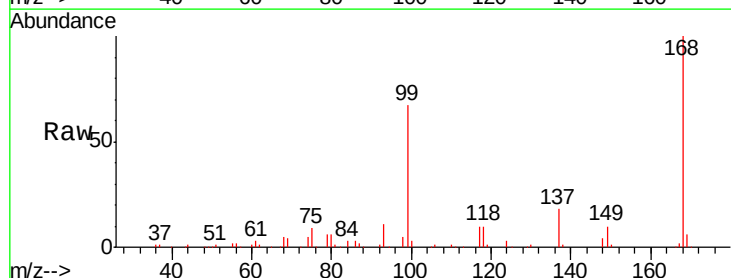
Tgt Ion: 75 Resp: 14014

Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.0#

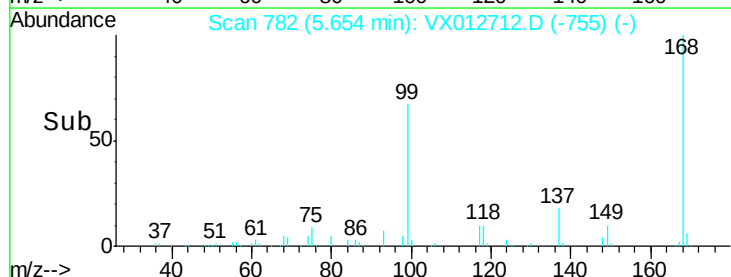
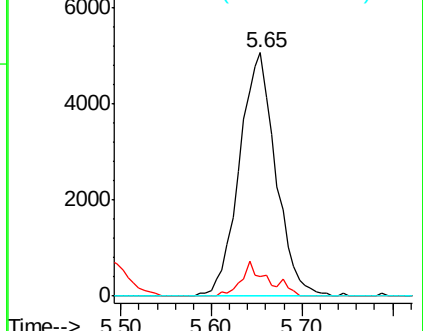
77 0.0 24.2 36.2#

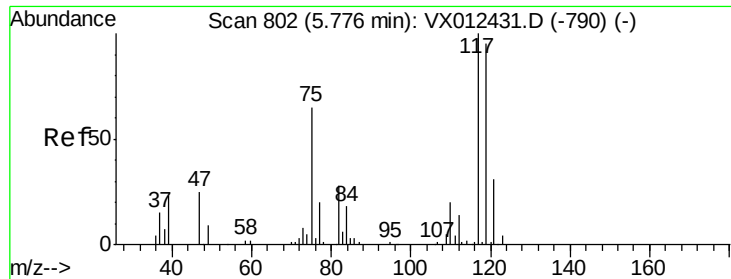


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.329 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ125-20190926

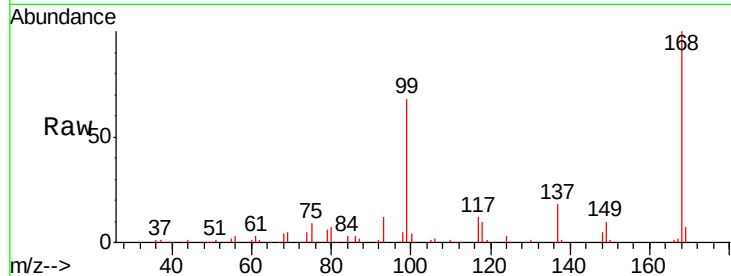
Tgt Ion:117 Resp: 17923

Ion Ratio Lower Upper

117 100

119 6.2 75.7 113.5#

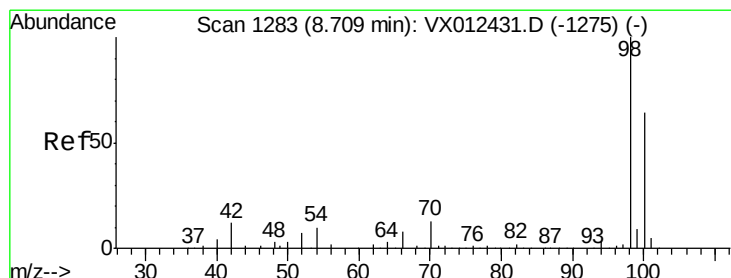
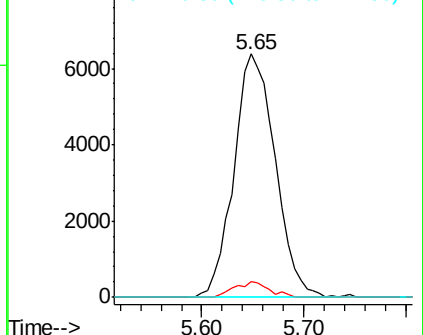
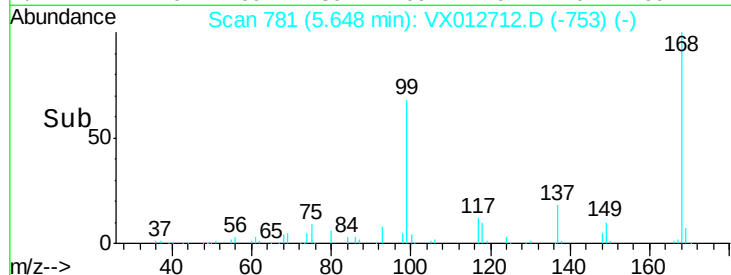
121 0.0 24.2 36.4#



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: 50.609 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012712.D

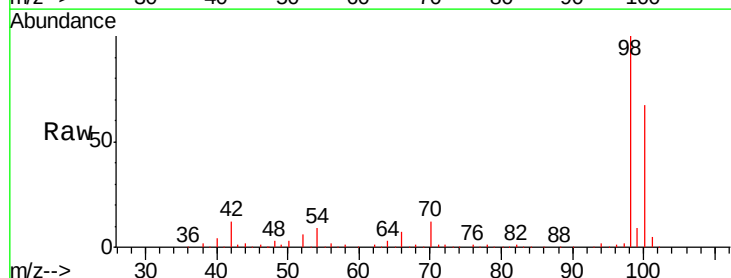
Acq: 30 Sep 2019 17:53

Tgt Ion: 98 Resp: 335671

Ion Ratio Lower Upper

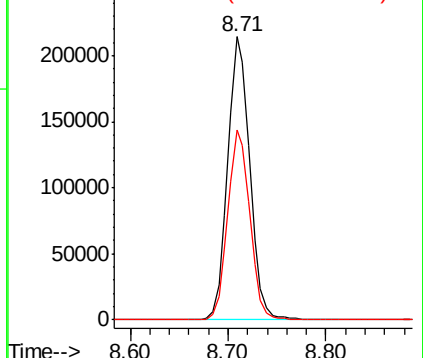
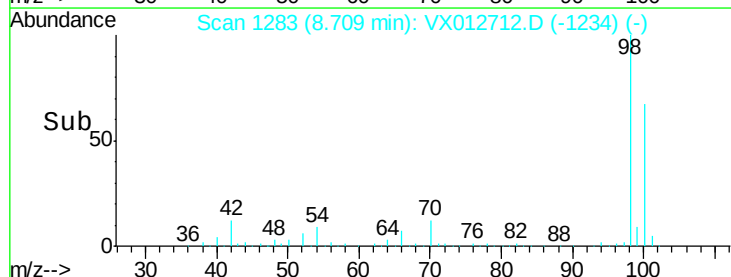
98 100

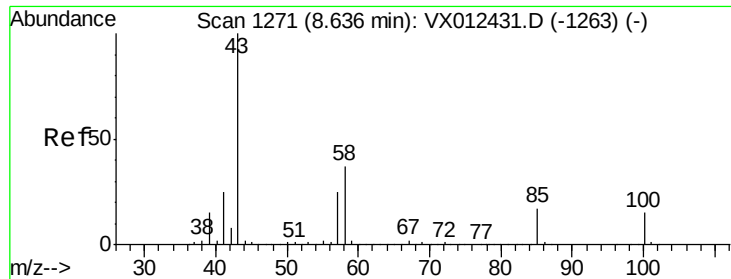
100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.530 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

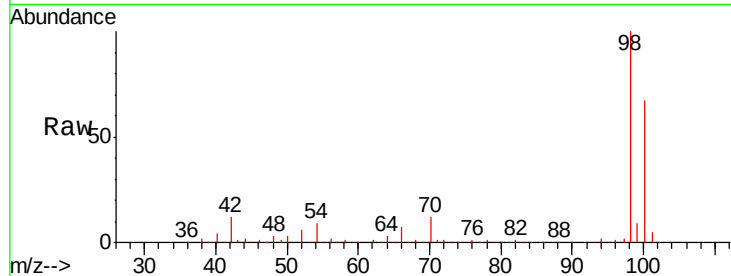
SA-PZ125-20190926

Tgt Ion: 43 Resp: 1782

Ion Ratio Lower Upper

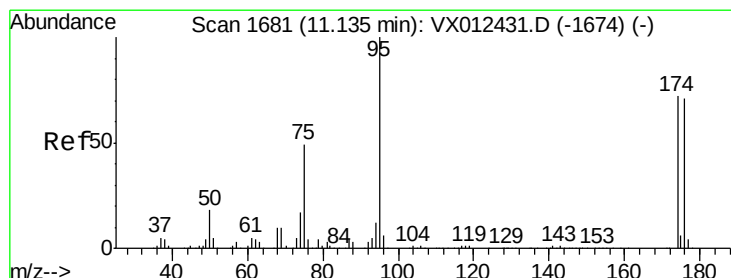
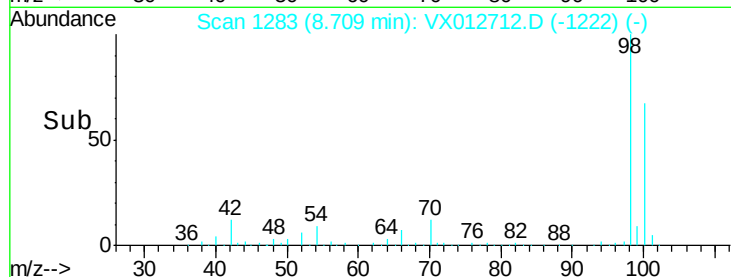
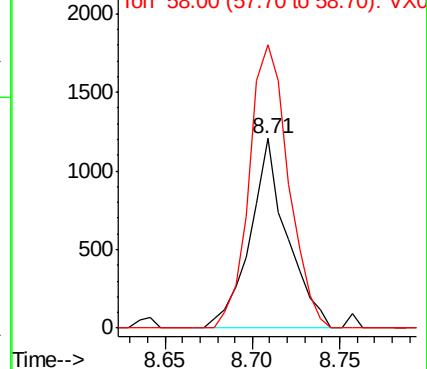
43 100

58 158.5 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.058 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

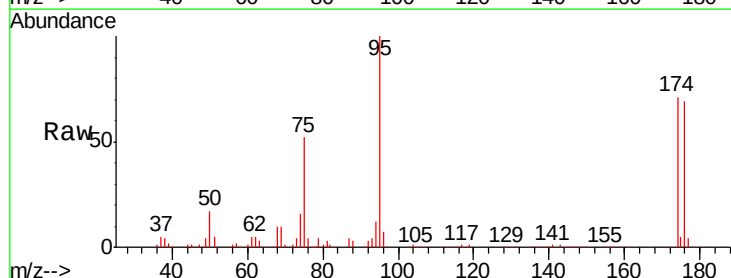
Tgt Ion: 95 Resp: 117512

Ion Ratio Lower Upper

95 100

174 68.1 0.0 140.0

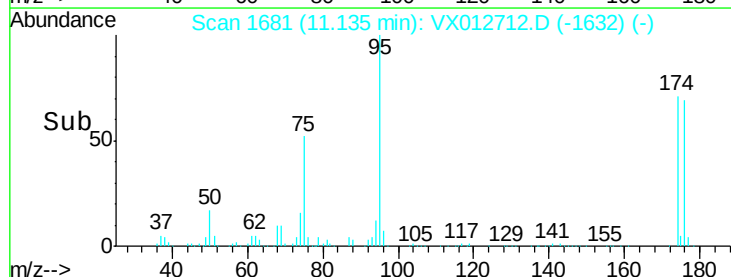
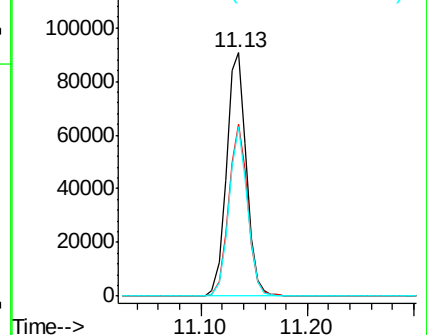
176 65.3 0.0 135.4

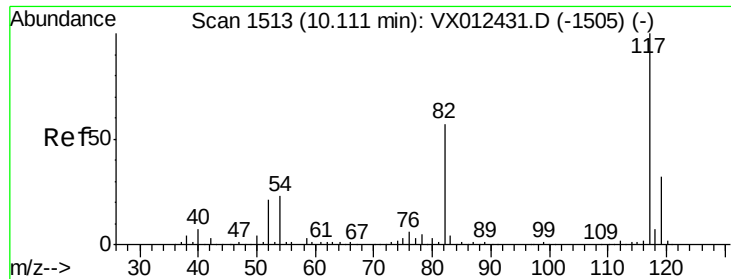


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ125-20190926

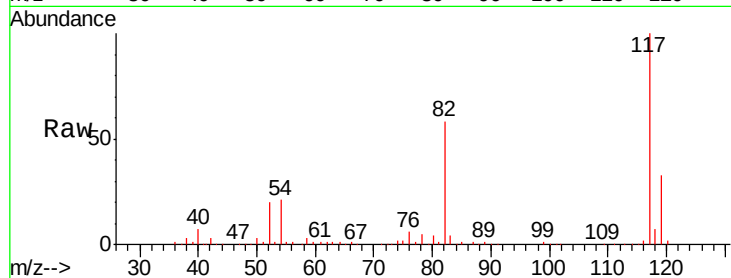
Tgt Ion:117 Resp: 246404

Ion Ratio Lower Upper

117 100

82 58.2 45.9 68.9

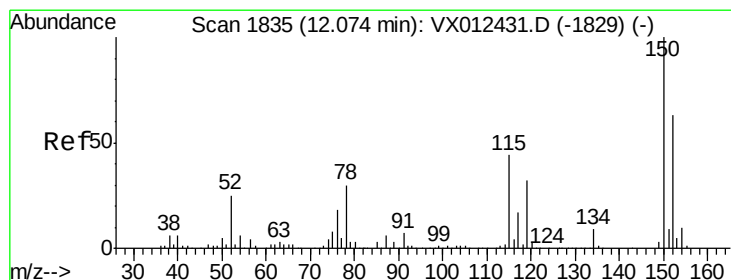
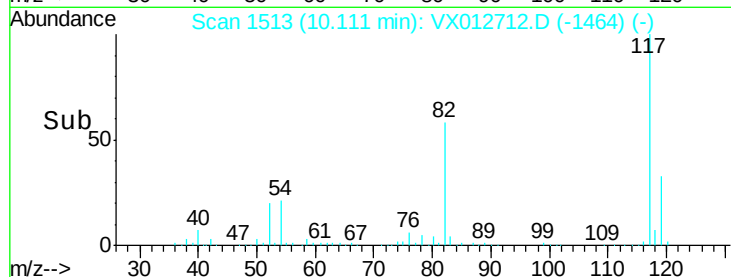
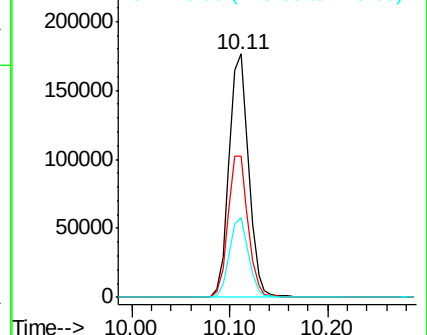
119 32.7 25.3 37.9



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: VX012712.D

Acq: 30 Sep 2019 17:53

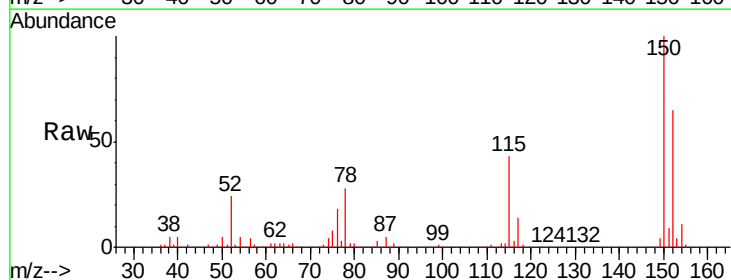
Tgt Ion:152 Resp: 96727

Ion Ratio Lower Upper

152 100

115 65.3 44.1 132.3

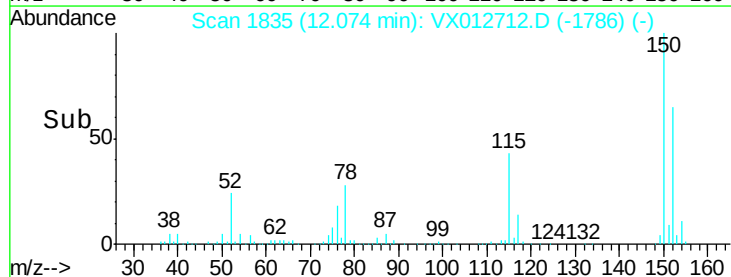
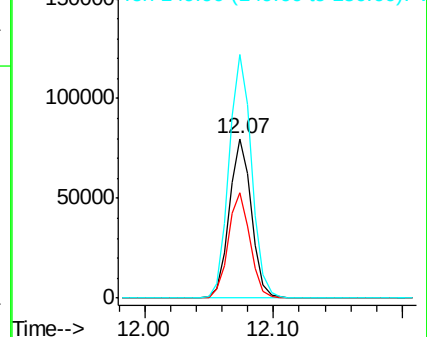
150 157.0 0.0 343.8

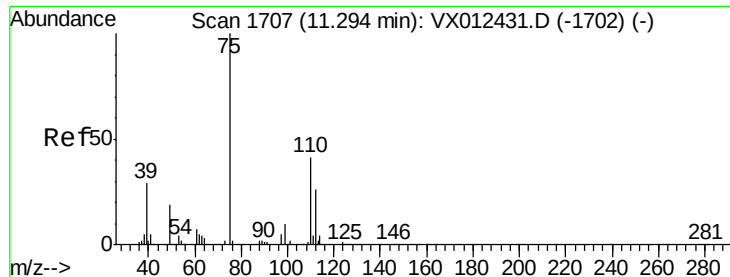


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.714 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

Instrument :

MSVOA_X

ClientSampleId :

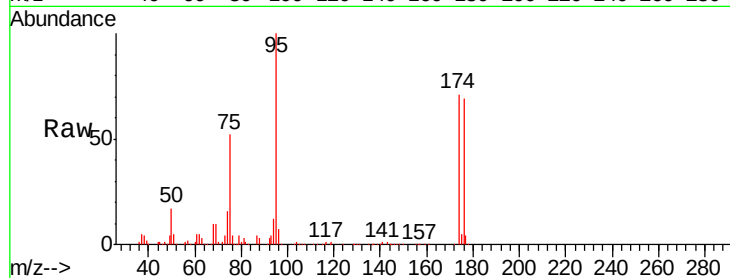
SA-PZ125-20190926

Tgt Ion: 75 Resp: 60677

Ion Ratio Lower Upper

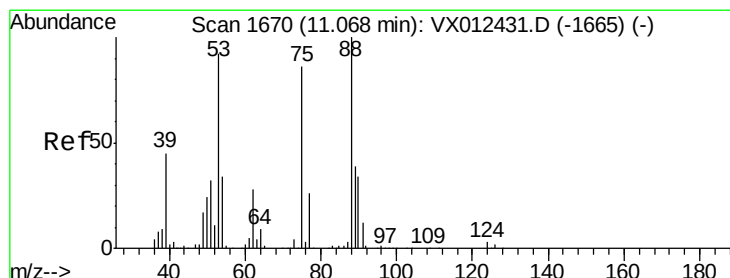
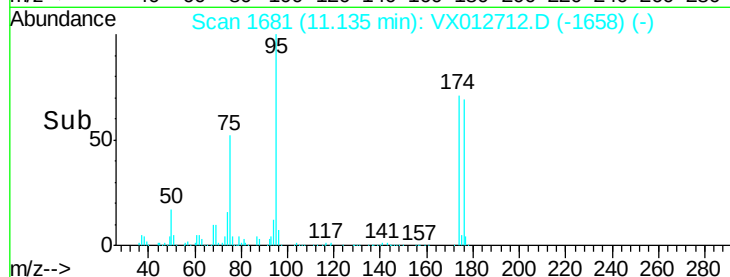
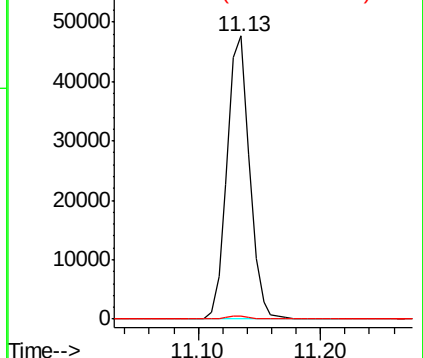
75 100

77 1.1 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: 67.960 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012712.D

Acq: 30 Sep 2019 17:53

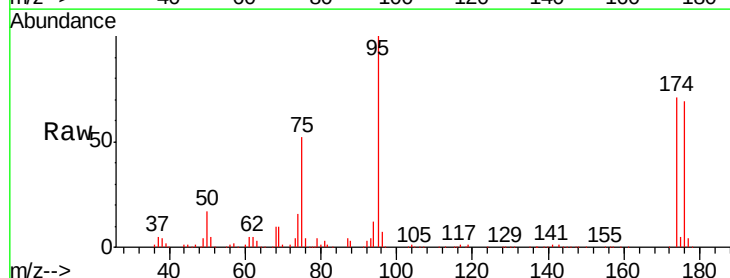
Tgt Ion: 75 Resp: 60677

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

