

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012710.D
 Acq On : 30 Sep 2019 17:06
 Operator : JC/SP
 Sample : K5081-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ122I-20190926

Quant Time: Oct 01 03:48:11 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	166747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282351	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	81057	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	114506	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
35) Dibromofluoromethane	5.49	113	85020	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.71	98	327791	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.14	95	105511	41.44	ug/l	0.00
Spiked Amount			Recovery	=	82.88%	

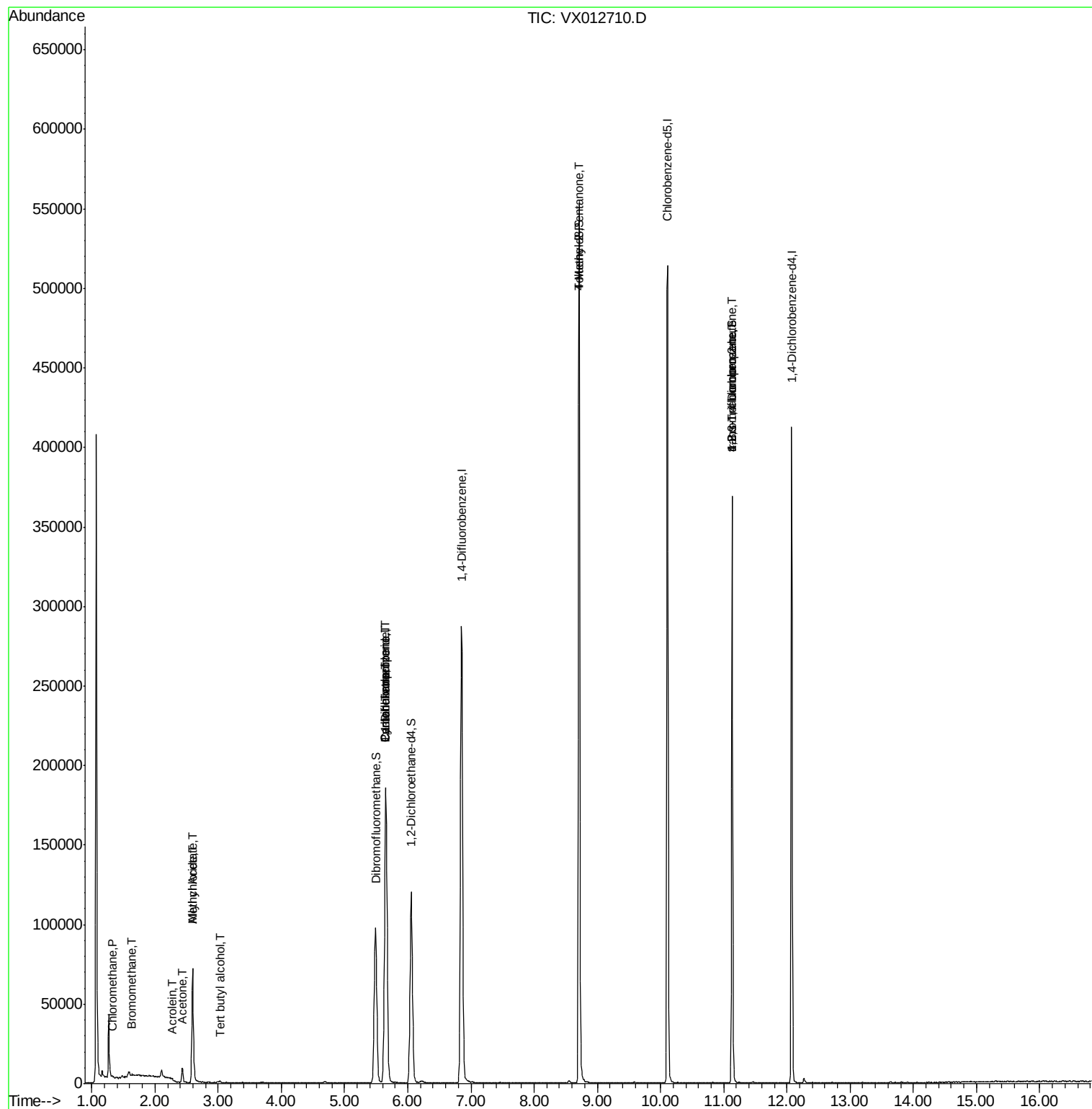
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	713	0.331	ug/l	97
5) Bromomethane	1.64	94	368	0.437	ug/l	83
11) Tert butyl alcohol	3.03	59	1214	2.001	ug/l #	72
13) Acrolein	2.27	56	20	10.290	ug/l #	1
14) Allyl chloride	2.59	41	6934	1.949	ug/l #	67
16) Acetone	2.43	43	9522	7.403	ug/l	94
18) Methyl Acetate	2.59	43	18023	5.951	ug/l #	54
31) Cyclohexane	5.65	56	3927	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14462	5.314	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18117	6.553	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	1734	0.528	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	53331	24.873	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	53331	71.280	ug/l #	8

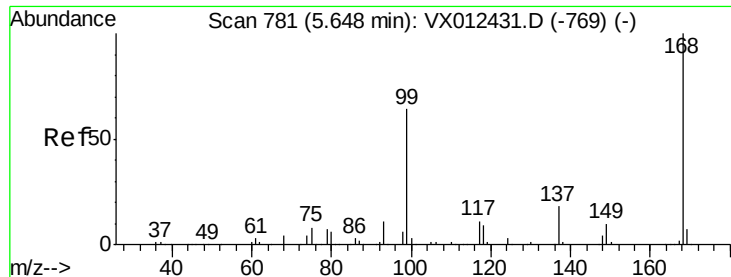
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. 0.00 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

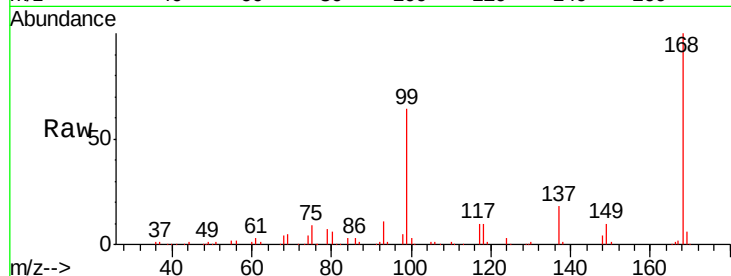
SA-PZ122I-20190926

Tgt Ion:168 Resp: 166747

Ion Ratio Lower Upper

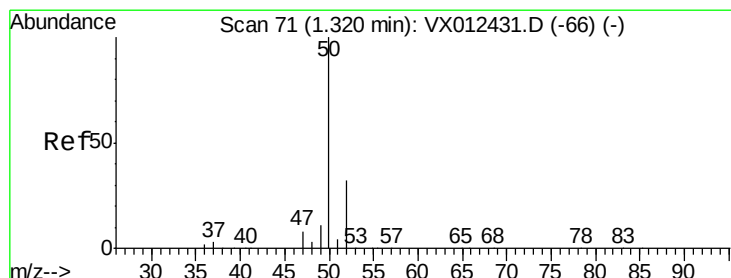
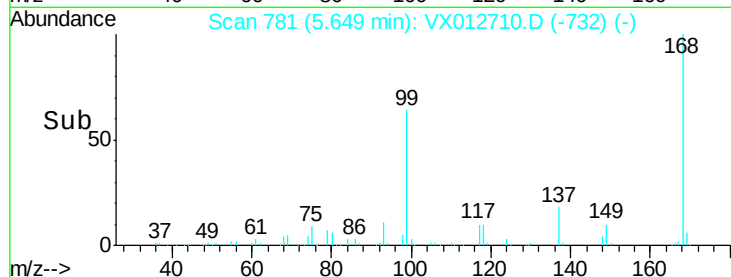
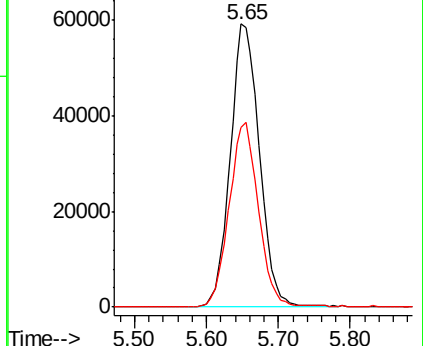
168 100

99 63.6 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: 0.331 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012710.D

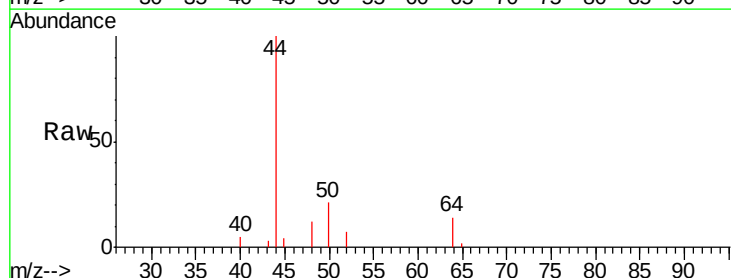
Acq: 30 Sep 2019 17:06

Tgt Ion: 50 Resp: 713

Ion Ratio Lower Upper

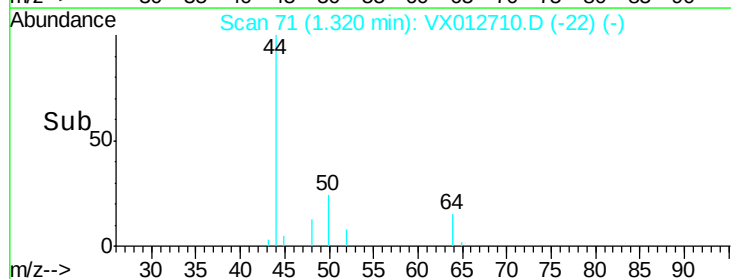
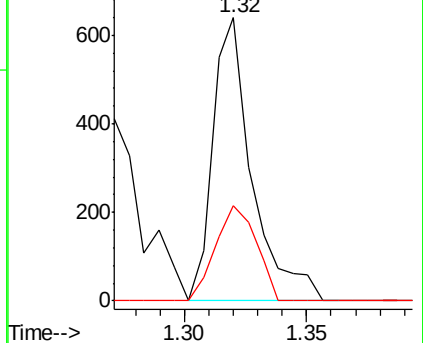
50 100

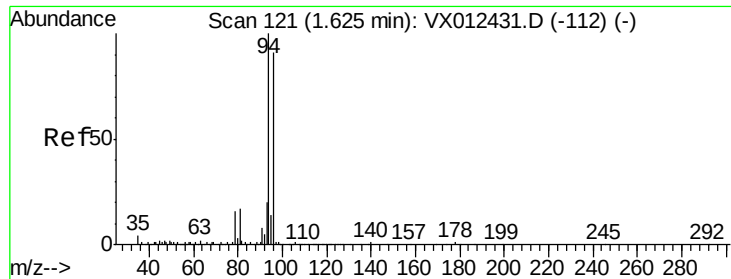
52 33.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.437 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

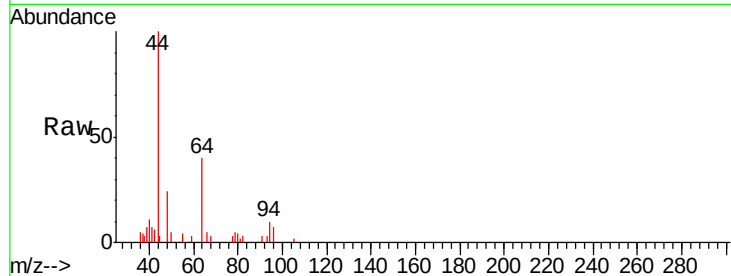
SA-PZ122I-20190926

Tgt Ion: 94 Resp: 368

Ion Ratio Lower Upper

94 100

96 75.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

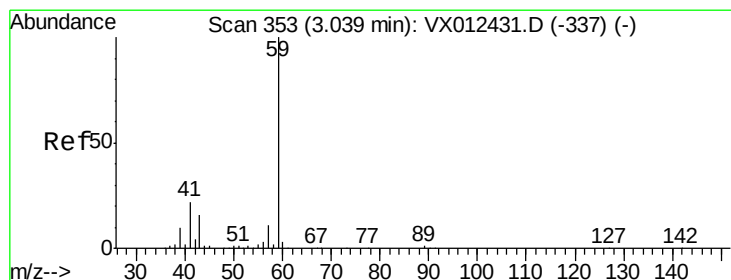
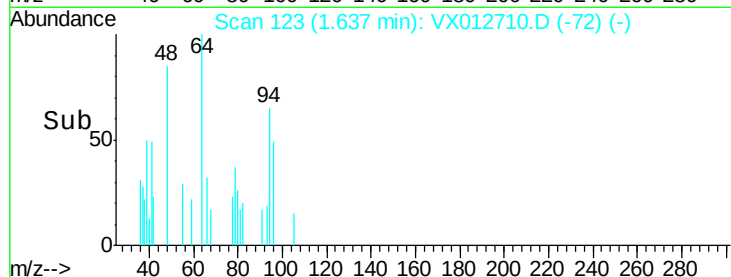
100

50

0

1.60 1.65 1.70

Time-->



#11

Tert butyl alcohol

Concen: 2.001 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012710.D

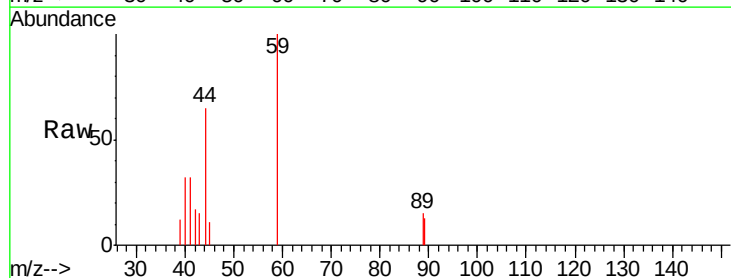
Acq: 30 Sep 2019 17:06

Tgt Ion: 59 Resp: 1214

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

500

400

300

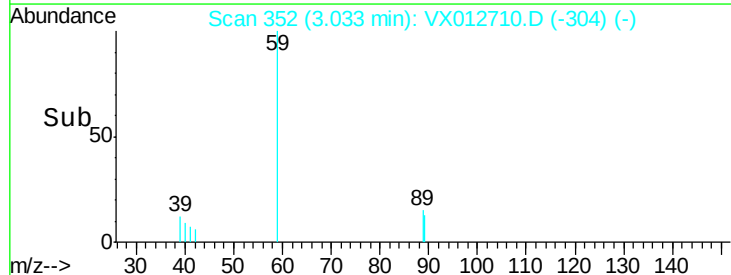
200

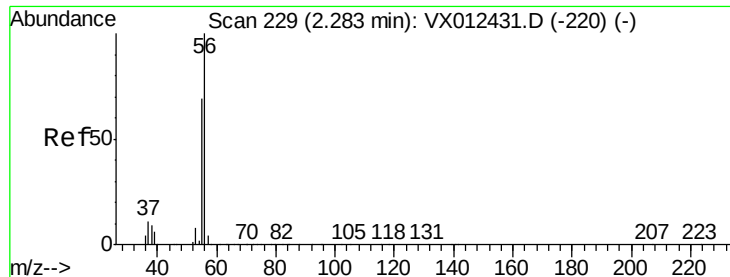
100

0

2.95 3.00 3.05 3.10

Time-->





#13

Acrolein

Concen: 10.290 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

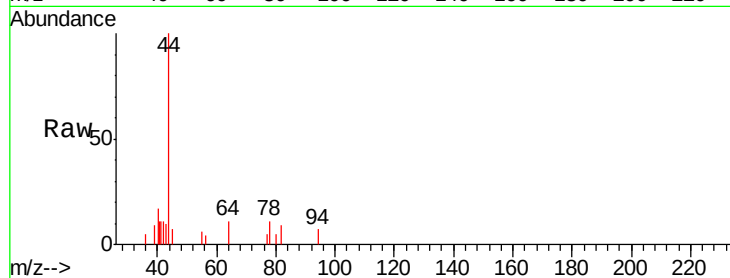
SA-PZ122I-20190926

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 935.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

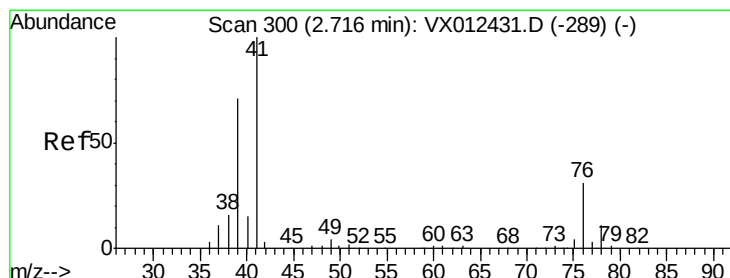
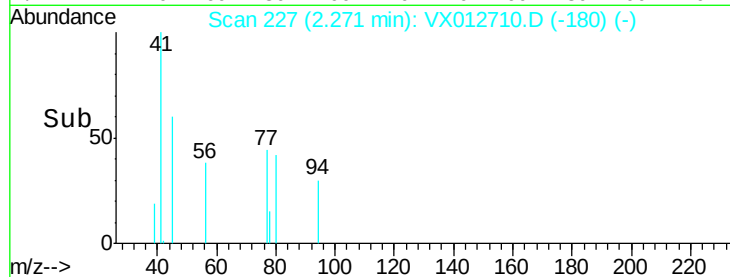
50

0

2.25 2.26 2.27 2.28 2.29

2.27

Time-->



#14

Allyl chloride

Concen: 1.949 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

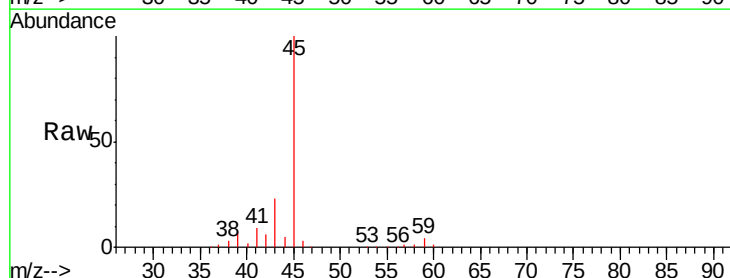
Tgt Ion: 41 Resp: 6934

Ion Ratio Lower Upper

41 100

39 83.6 51.3 76.9#

76 0.3 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

5000

4000

3000

2000

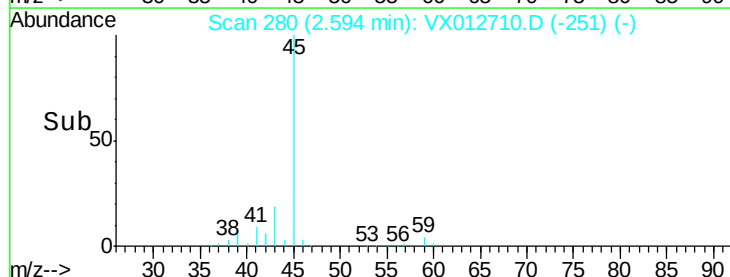
1000

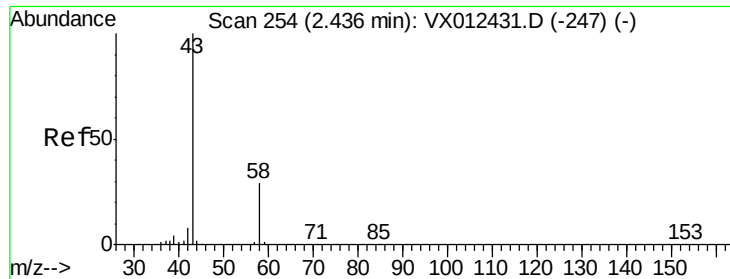
0

2.55 2.60 2.65

2.59

Time-->





#16

Acetone

Concen: 7.403 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

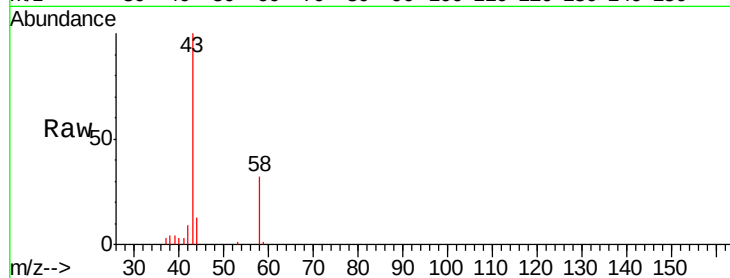
SA-PZ122I-20190926

Tgt Ion: 43 Resp: 9522

Ion Ratio Lower Upper

43 100

58 32.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

6000

5000

4000

3000

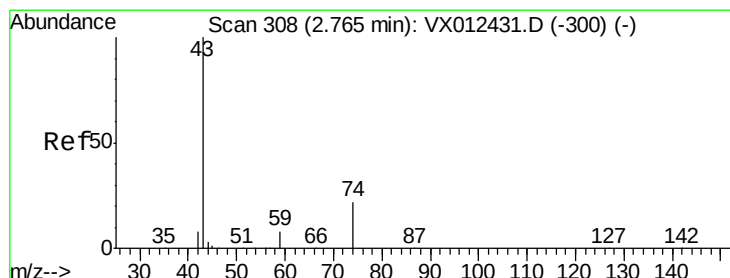
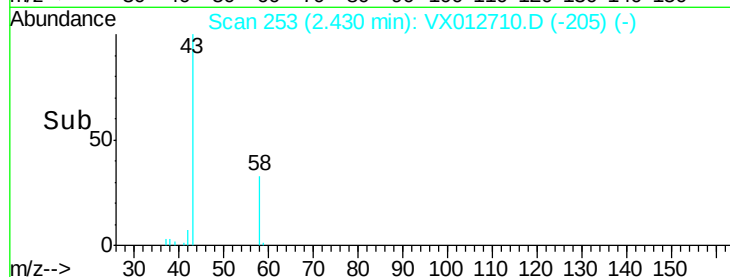
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 5.951 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012710.D

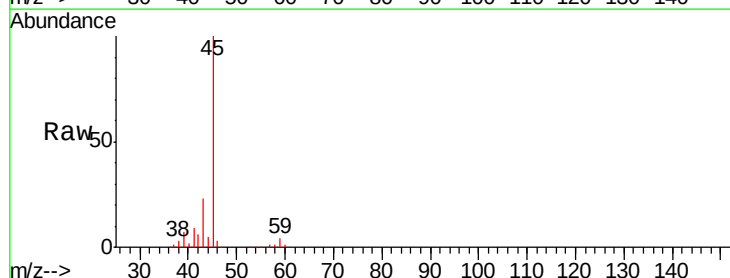
Acq: 30 Sep 2019 17:06

Tgt Ion: 43 Resp: 18023

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

2.59

12000

10000

8000

6000

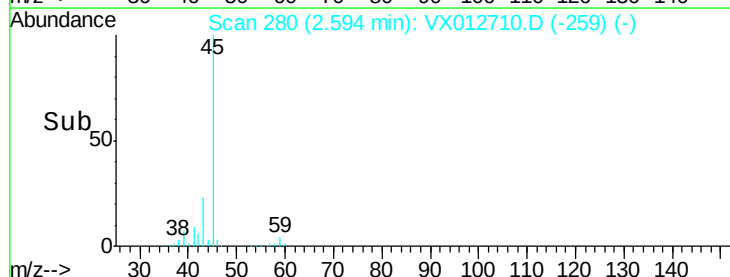
4000

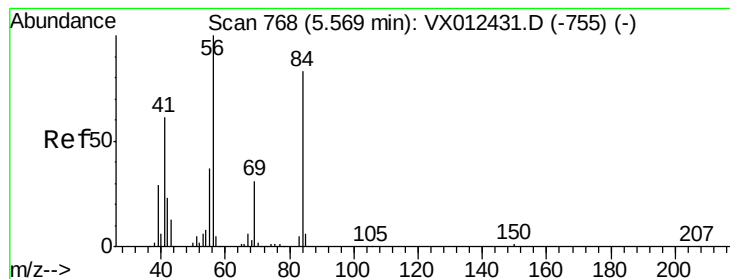
2000

0

Time-->

2.50 2.55 2.60 2.65 2.70





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122I-20190926

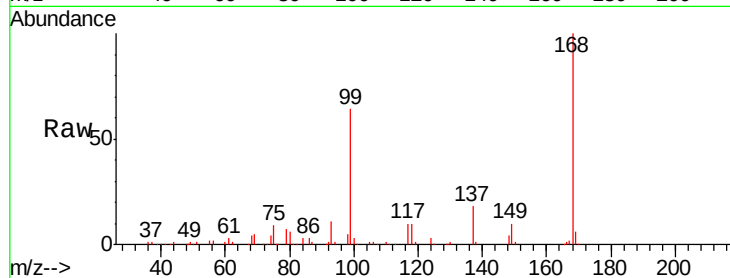
Tgt Ion: 56 Resp: 3927

Ion Ratio Lower Upper

56 100

69 203.9 25.0 37.6#

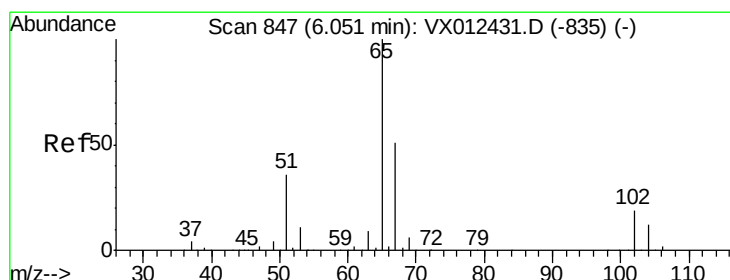
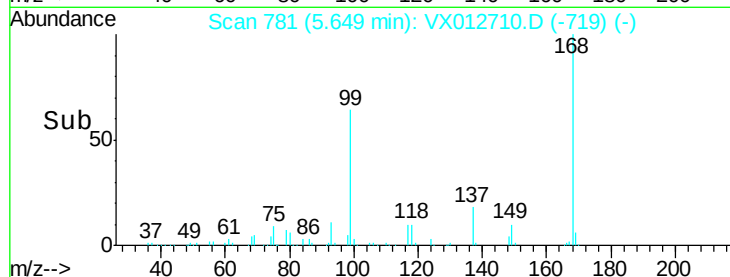
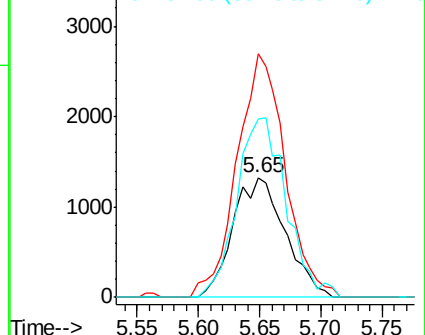
84 148.9 66.4 99.6#



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: 47.158 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012710.D

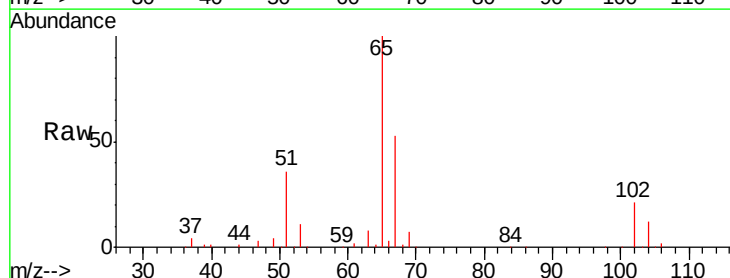
Acq: 30 Sep 2019 17:06

Tgt Ion: 65 Resp: 114506

Ion Ratio Lower Upper

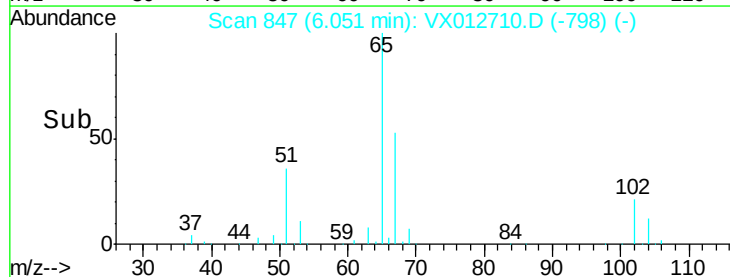
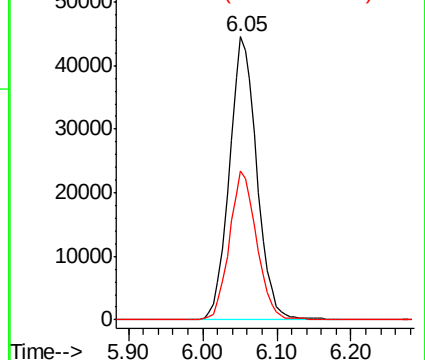
65 100

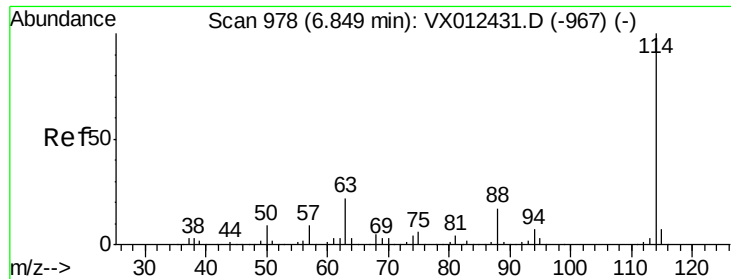
67 52.2 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

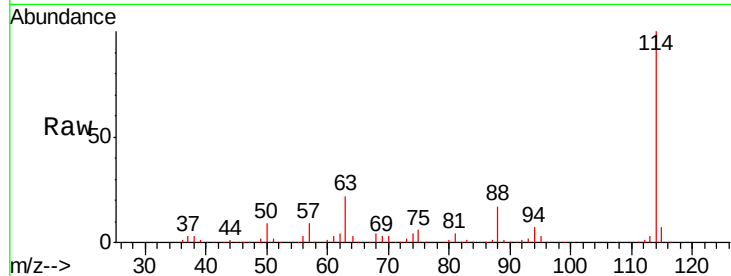




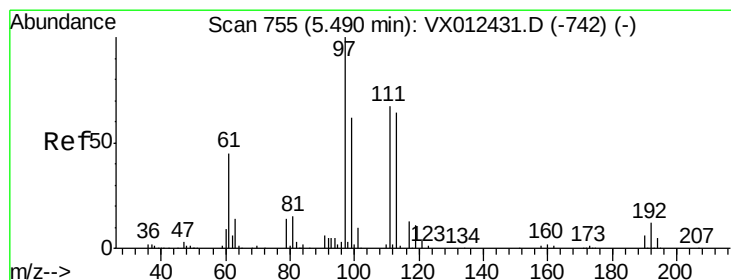
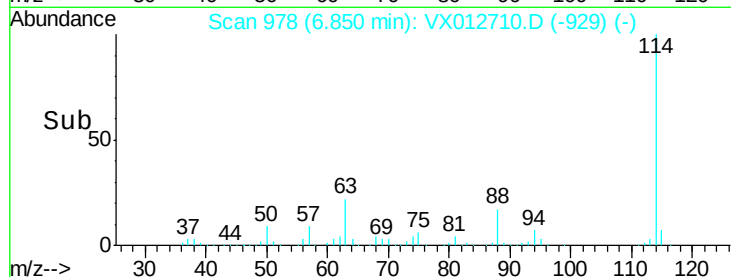
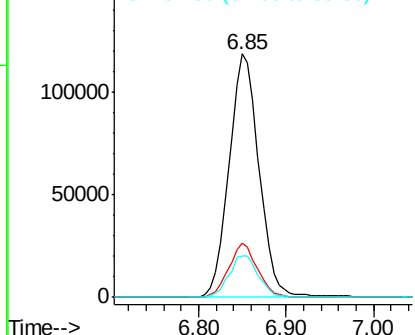
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012710.D
 Acq: 30 Sep 2019 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ122I-20190926

Tgt Ion:114 Resp: 282351
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 17.1 0.0 33.2

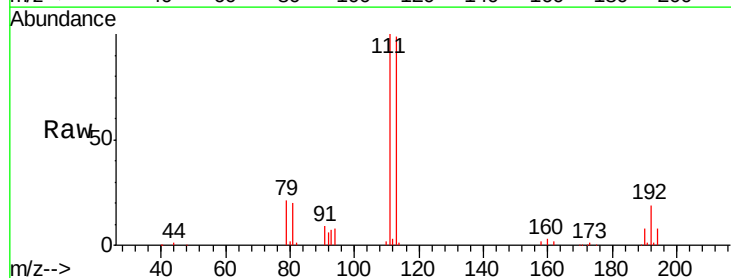


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

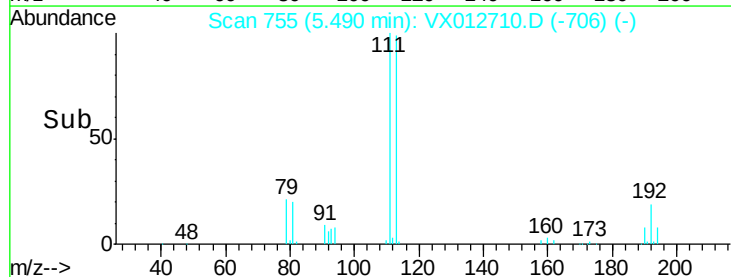
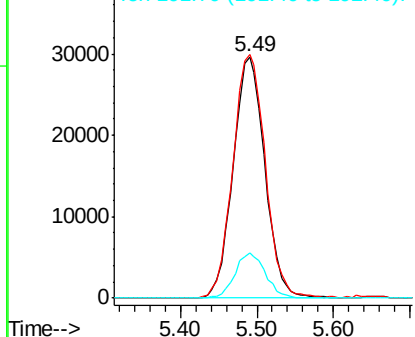


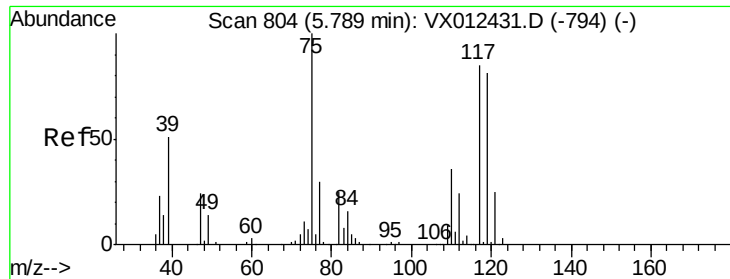
#35
 Dibromofluoromethane
 Concen: 50.561 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012710.D
 Acq: 30 Sep 2019 17:06

Tgt Ion:113 Resp: 85020
 Ion Ratio Lower Upper
 113 100
 111 103.5 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

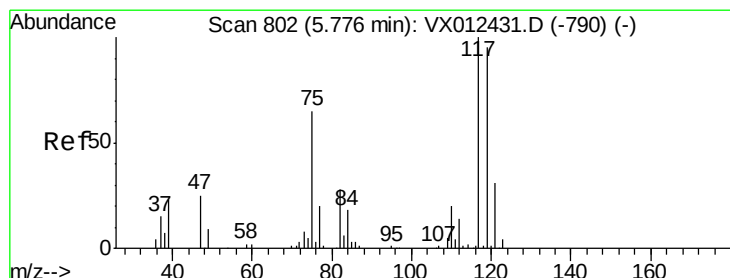
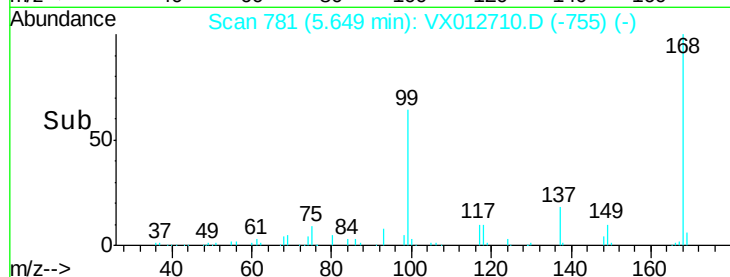
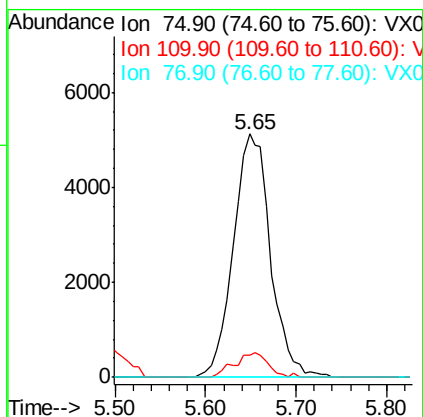
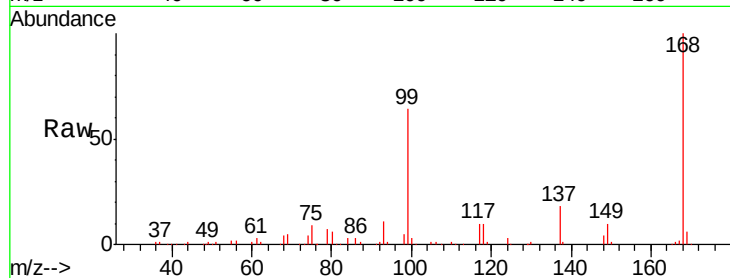




#36
 1,1-Dichloropropene
 Concen: 5.314 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012710.D
 Acq: 30 Sep 2019 17:06

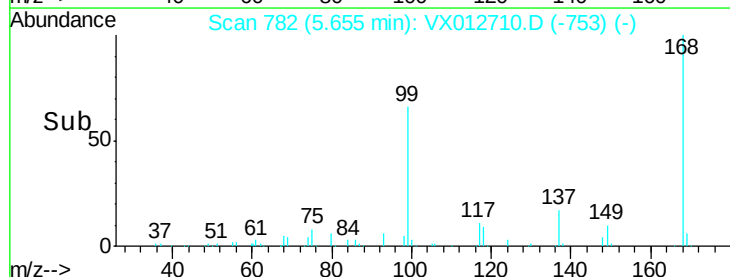
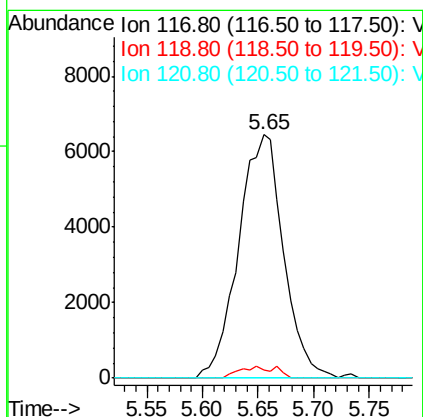
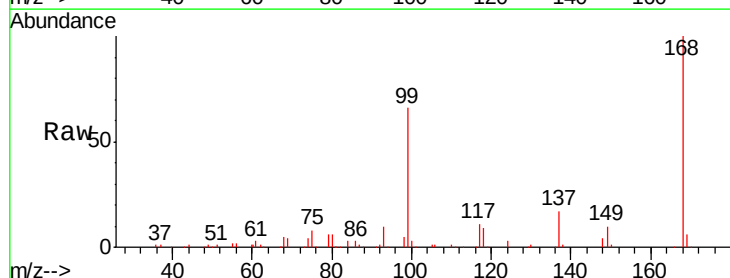
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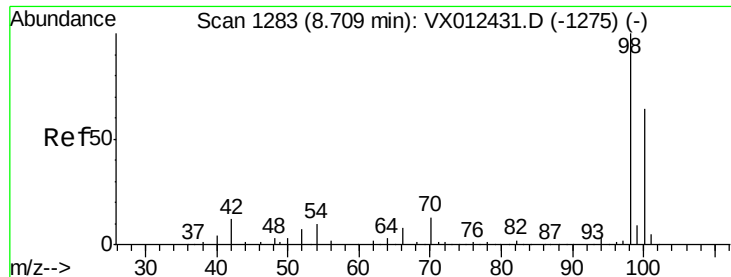
Tgt Ion: 75 Resp: 14462
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.553 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012710.D
 Acq: 30 Sep 2019 17:06

Tgt Ion: 117 Resp: 18117
 Ion Ratio Lower Upper
 117 100
 119 3.5 75.7 113.5#
 121 0.0 24.2 36.4#

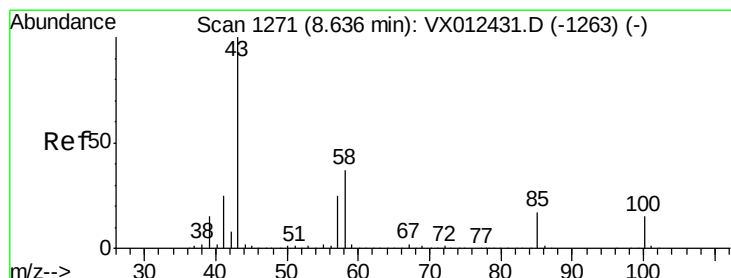
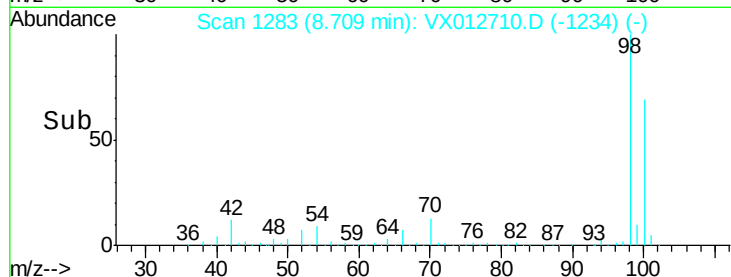
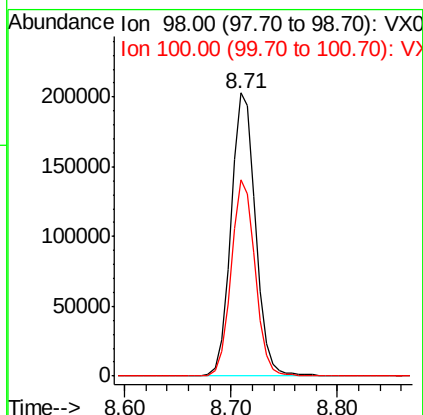
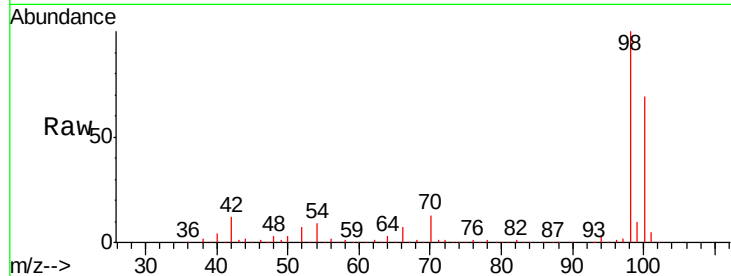




#50
Toluene-d8
Concen: 50.619 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012710.D
Acq: 30 Sep 2019 17:06

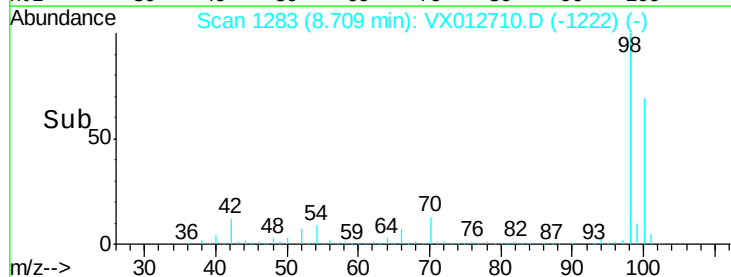
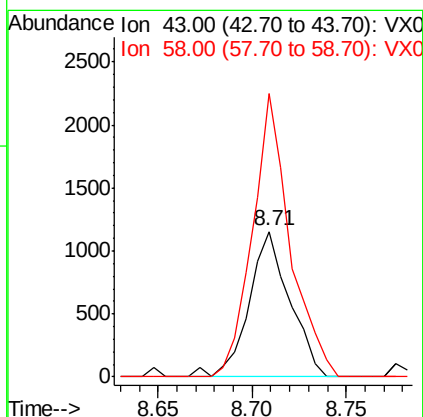
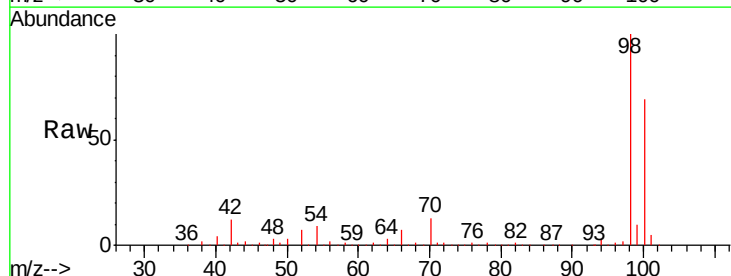
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ122I-20190926

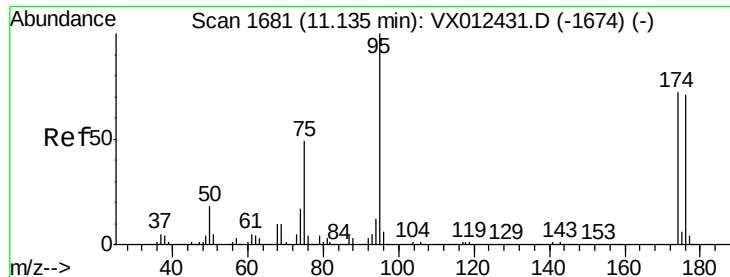
Tgt Ion: 98 Resp: 327791
Ion Ratio Lower Upper
98 100
100 68.0 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.528 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012710.D
Acq: 30 Sep 2019 17:06

Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 179.1 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 41.438 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122I-20190926

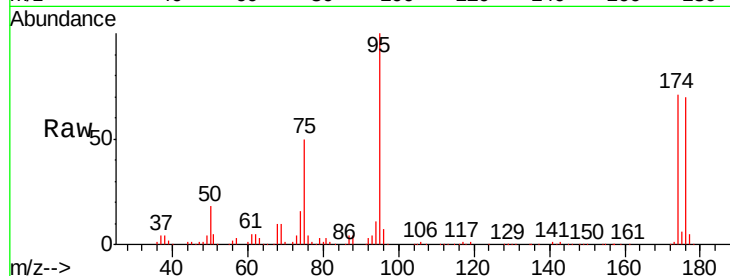
Tgt Ion: 95 Resp: 105511

Ion Ratio Lower Upper

95 100

174 68.6 0.0 140.0

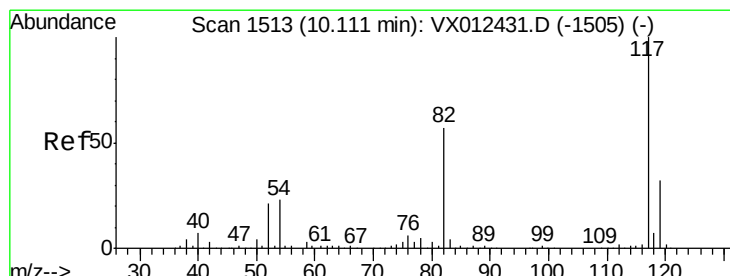
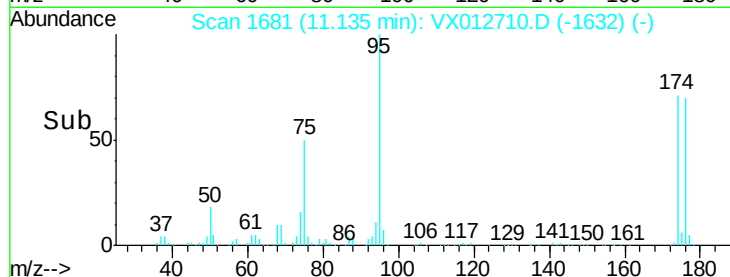
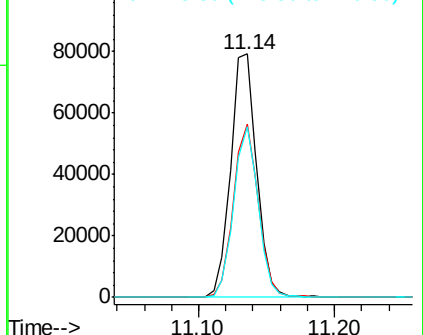
176 66.4 0.0 135.4



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: VX012710.D

Acq: 30 Sep 2019 17:06

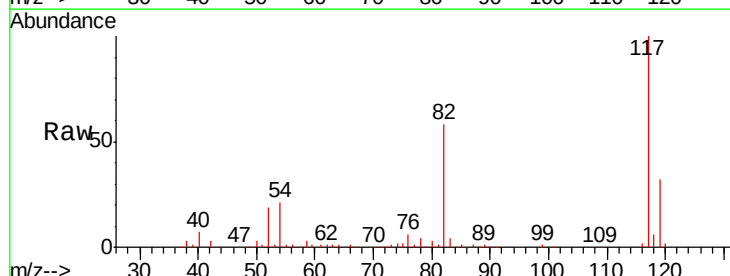
Tgt Ion: 117 Resp: 232651

Ion Ratio Lower Upper

117 100

82 58.0 45.9 68.9

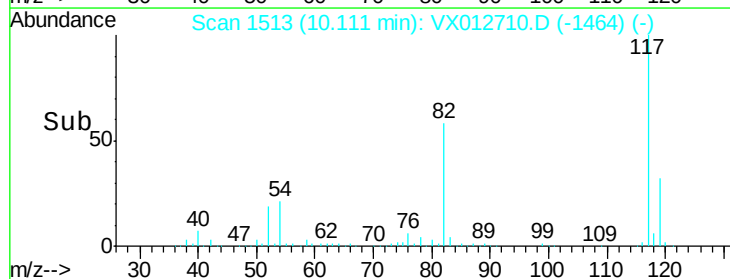
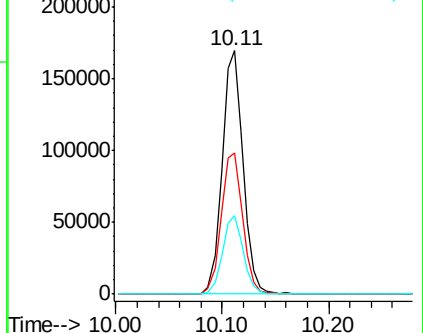
119 32.1 25.3 37.9

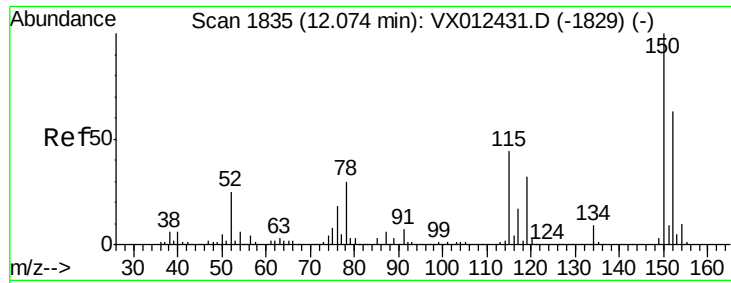


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122I-20190926

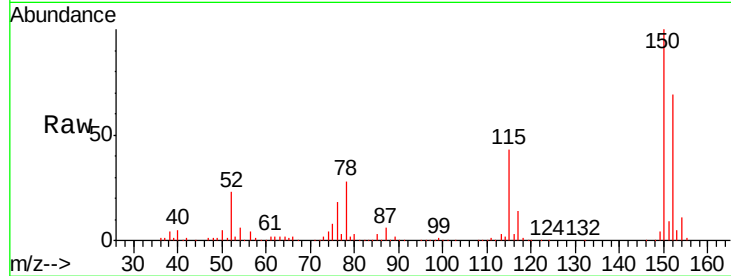
Tgt Ion:152 Resp: 81057

Ion Ratio Lower Upper

152 100

115 63.9 44.1 132.3

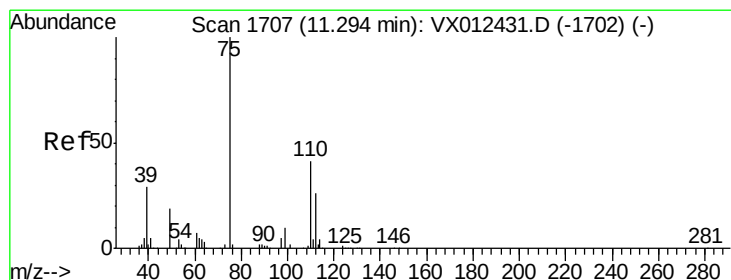
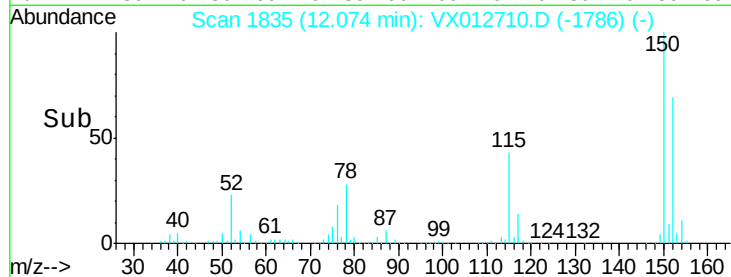
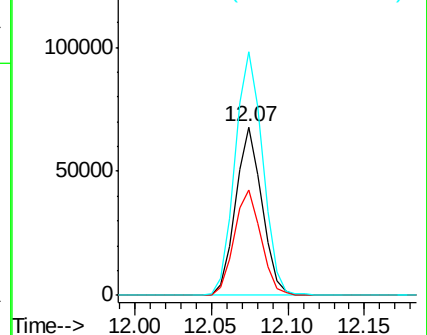
150 152.8 0.0 343.8



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: 24.873 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012710.D

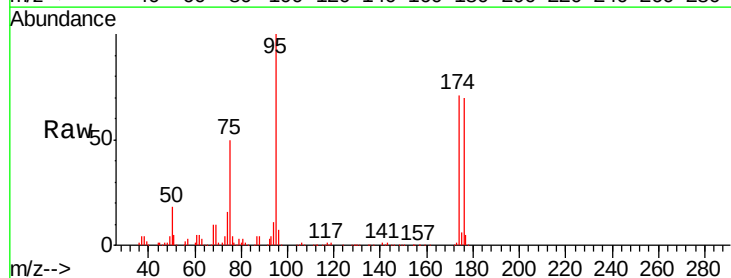
Acq: 30 Sep 2019 17:06

Tgt Ion: 75 Resp: 53331

Ion Ratio Lower Upper

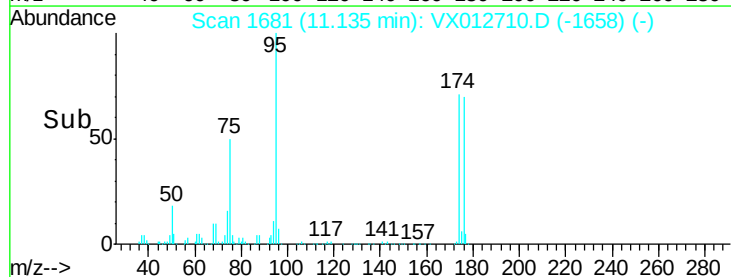
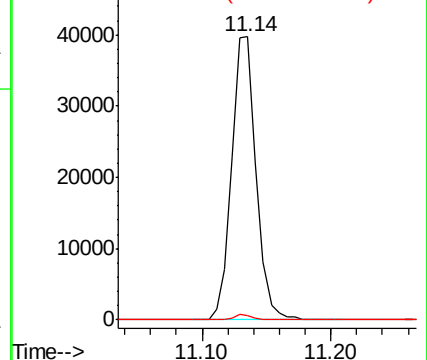
75 100

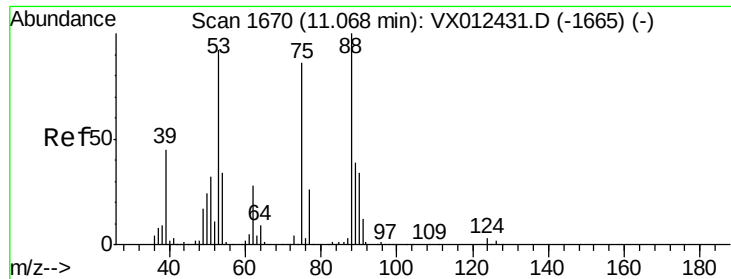
77 1.4 19.7 59.0#



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: 71.280 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012710.D

Acq: 30 Sep 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ122I-20190926

Tgt Ion: 75 Resp: 53331

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

