

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012707.D
 Acq On : 30 Sep 2019 15:56
 Operator : JC/SP
 Sample : K5081-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ123S-20190926

Quant Time: Oct 01 03:47:29 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	171545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	304665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99392	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	123394	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.80%		
35) Dibromofluoromethane	5.49	113	90802	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.08%		
50) Toluene-d8	8.71	98	355361	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.72%		
62) 4-Bromofluorobenzene	11.14	95	123953	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.24%		

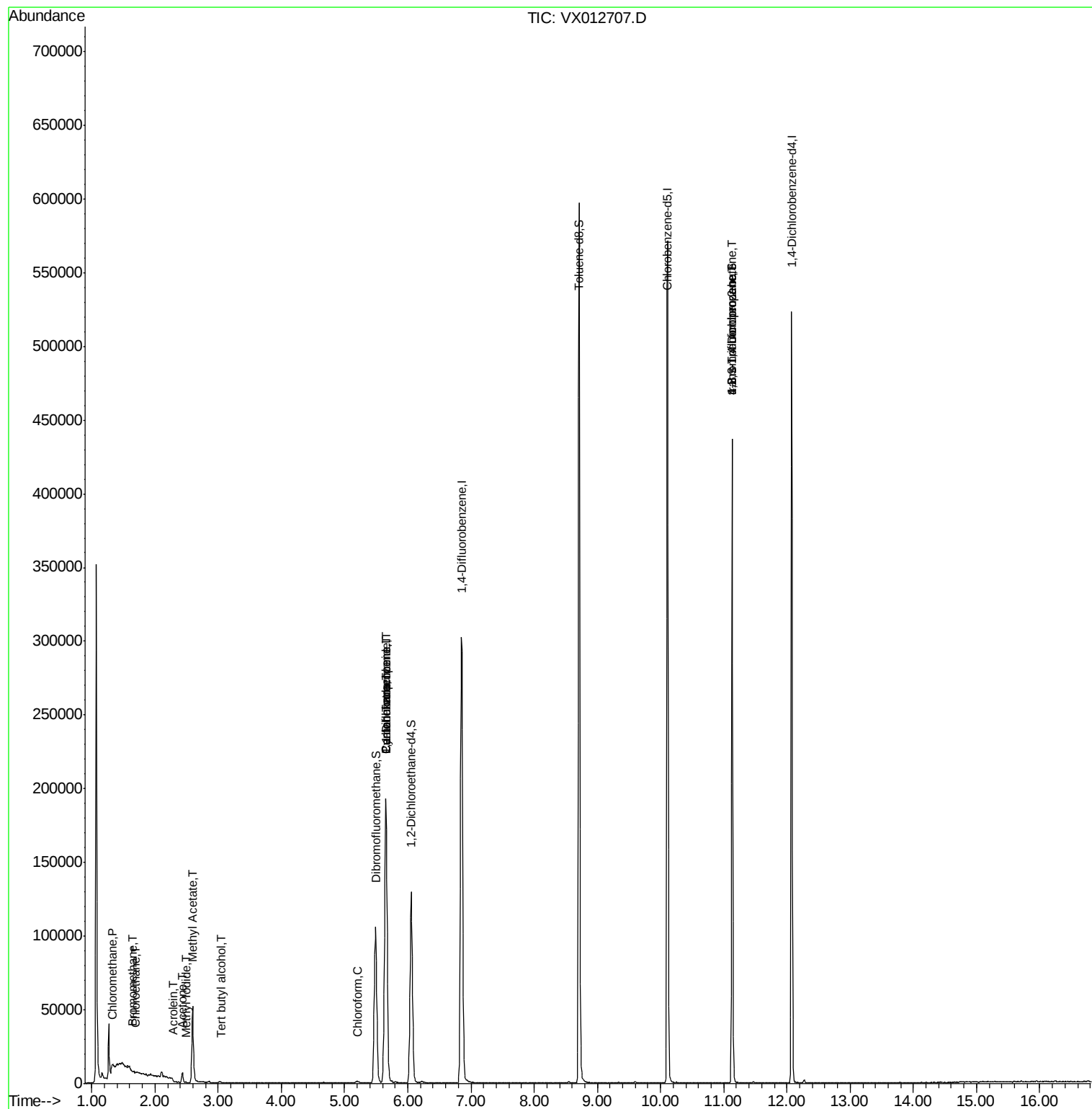
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	853	0.385	ug/l #	86
5) Bromomethane	1.66	94	283	0.327	ug/l #	65
6) Chloroethane	1.69	64	591	0.398	ug/l #	76
10) Methyl Iodide	2.50	142	99	4.998	ug/l #	35
11) Tert butyl alcohol	3.04	59	699	1.120	ug/l #	91
13) Acrolein	2.29	56	21	10.291	ug/l #	1
16) Acetone	2.43	43	6822	5.156	ug/l #	84
18) Methyl Acetate	2.59	43	13745	4.412	ug/l #	54
30) Chloroform	5.20	83	1779	0.452	ug/l	96
31) Cyclohexane	5.65	56	4073	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15097	5.141	ug/l #	48
38) Carbon Tetrachloride	5.65	117	19231	6.447	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	61752	23.487	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	61752	67.309	ug/l #	8

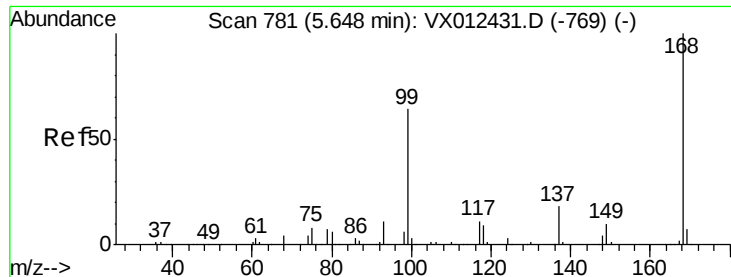
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
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Quant Title : SW846 8260
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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: VX012707.D

Acq: 30 Sep 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

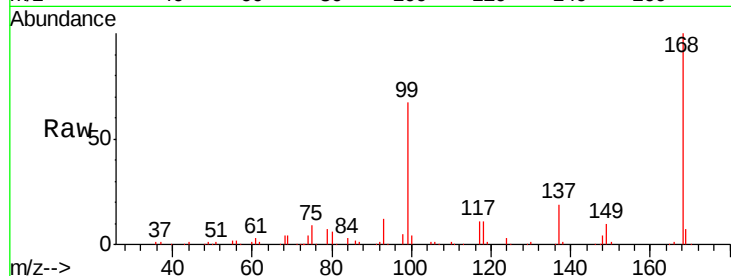
SA-PZ123S-20190926

Tgt Ion:168 Resp: 171545

Ion Ratio Lower Upper

168 100

99 67.5 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

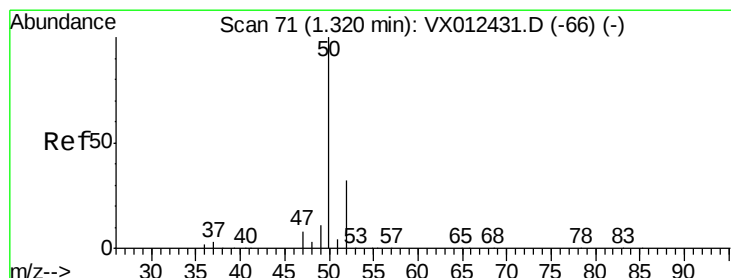
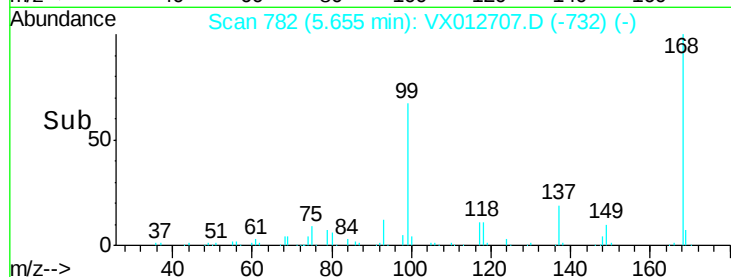
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.385 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012707.D

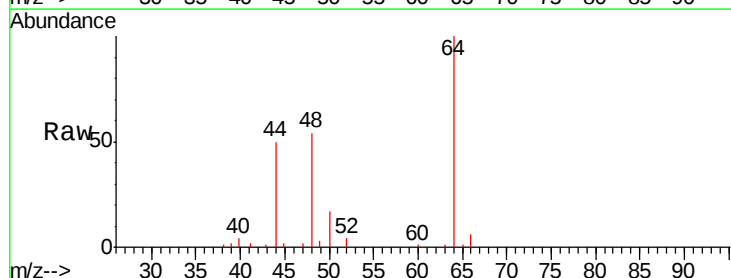
Acq: 30 Sep 2019 15:56

Tgt Ion: 50 Resp: 853

Ion Ratio Lower Upper

50 100

52 24.3 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

800

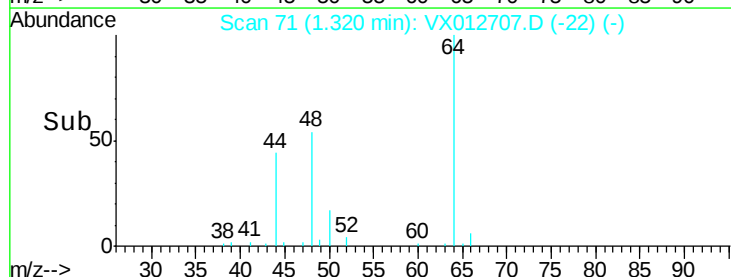
600

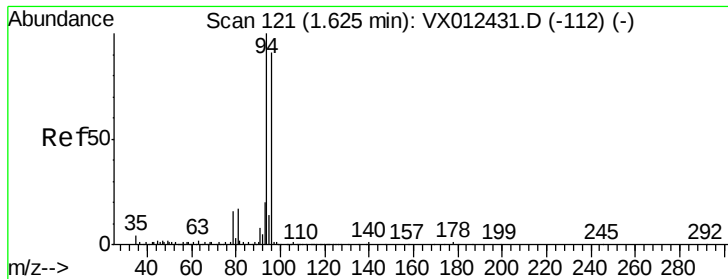
400

200

0

Time--> 1.28 1.30 1.32 1.34





#5

Bromomethane

Concen: 0.327 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX012707.D

Acq: 30 Sep 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

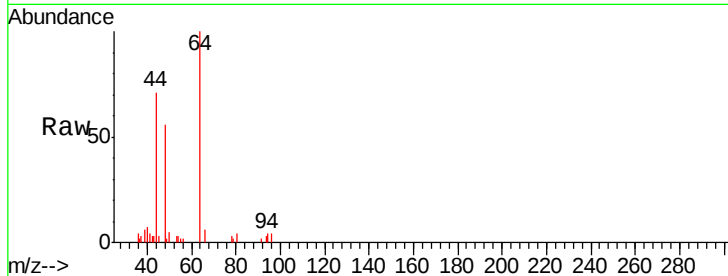
SA-PZ123S-20190926

Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 57.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

150

100

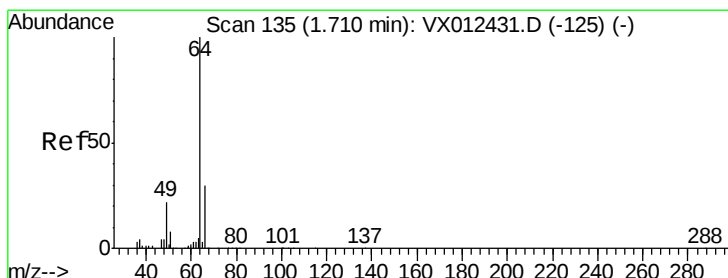
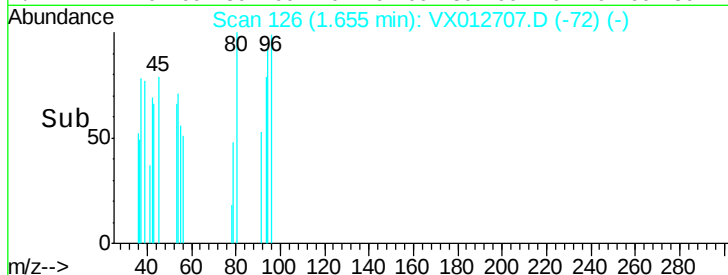
50

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 0.398 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012707.D

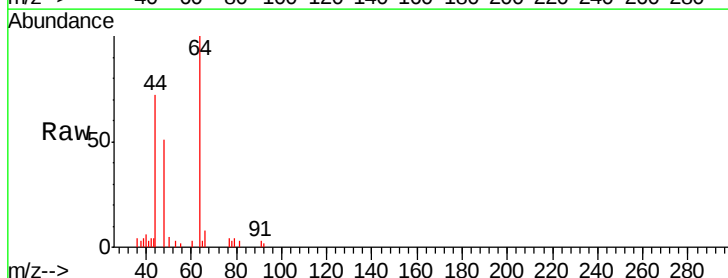
Acq: 30 Sep 2019 15:56

Tgt Ion: 64 Resp: 591

Ion Ratio Lower Upper

64 100

66 16.9 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

3000

2500

2000

1500

1000

500

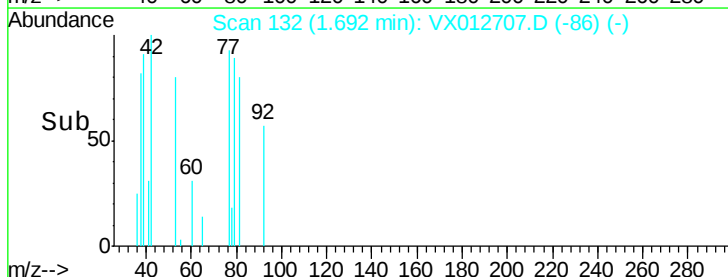
0

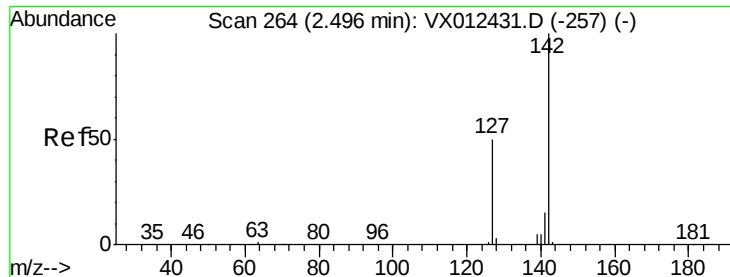
1.68

1.70

1.72

Time-->

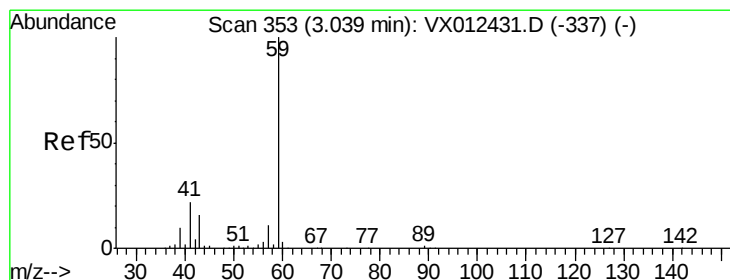
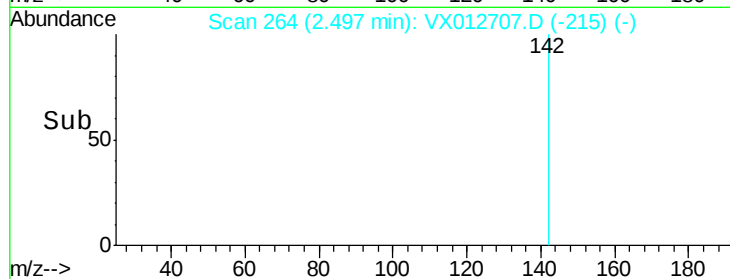
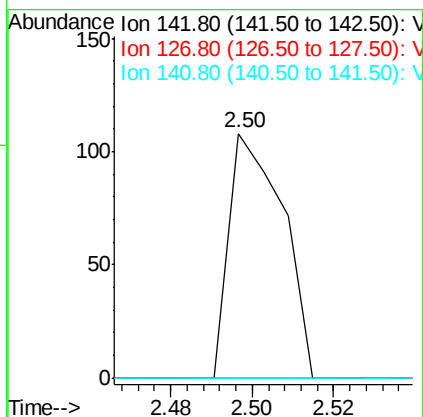
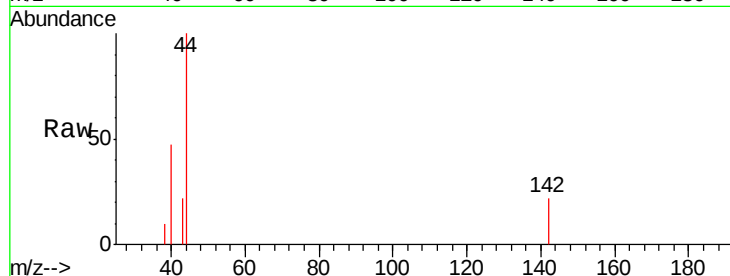




#10
Methyl Iodide
Concen: 4.998 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

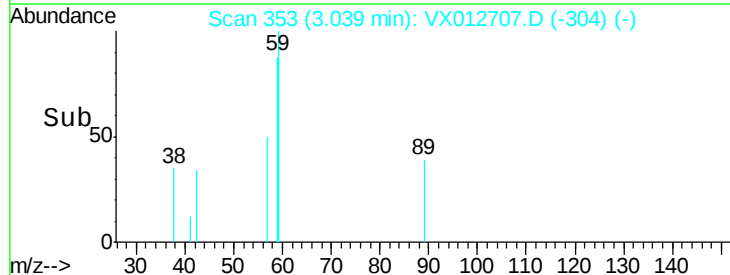
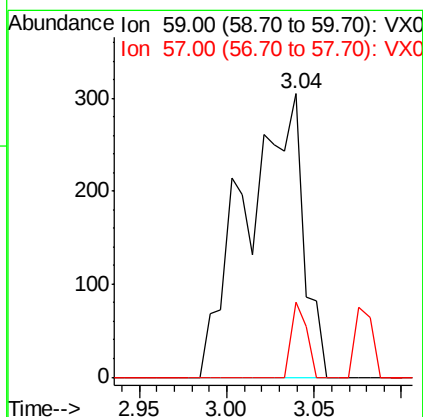
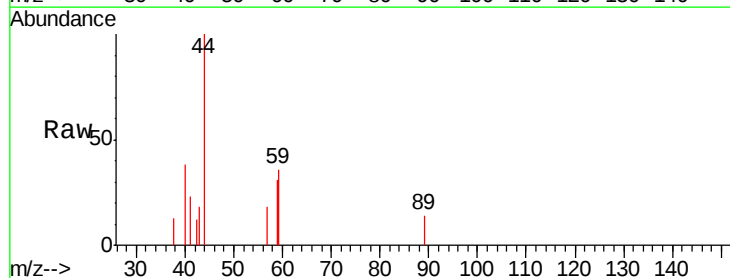
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ123S-20190926

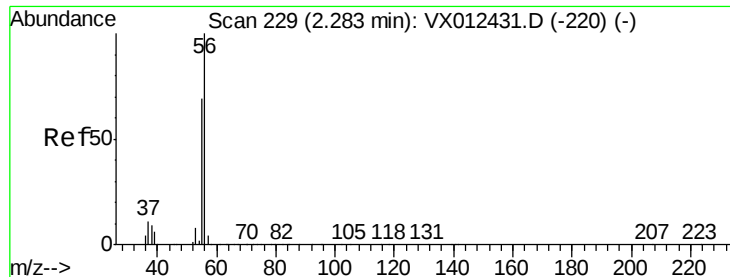
Tgt Ion: 142 Resp: 99
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 1.120 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

Tgt Ion: 59 Resp: 699
Ion Ratio Lower Upper
59 100
57 7.2 8.3 12.5#





#13

Acrolein

Concen: 10.291 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012707.D

Acq: 30 Sep 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

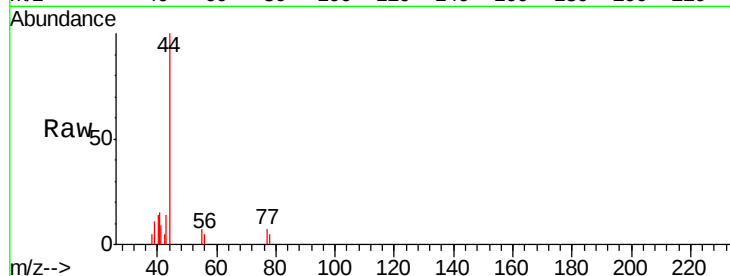
SA-PZ123S-20190926

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

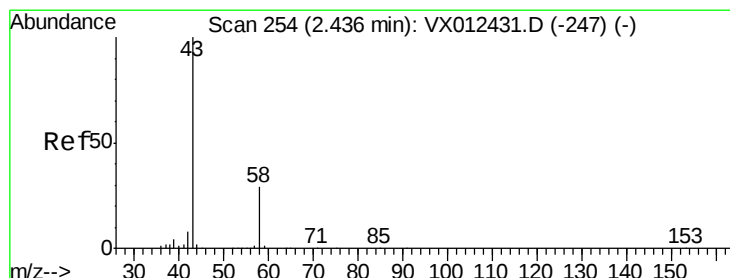
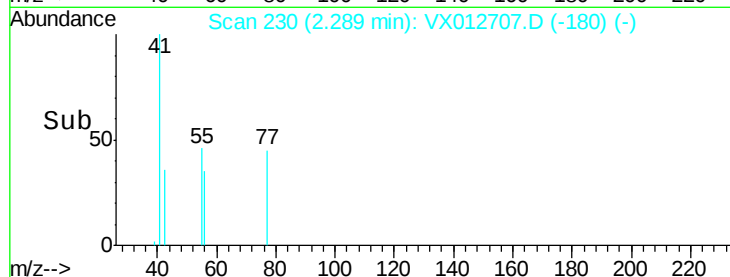
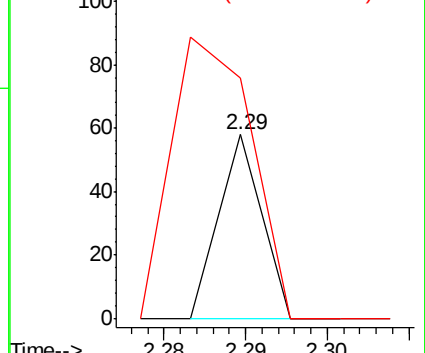
56 100

55 285.7 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.156 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012707.D

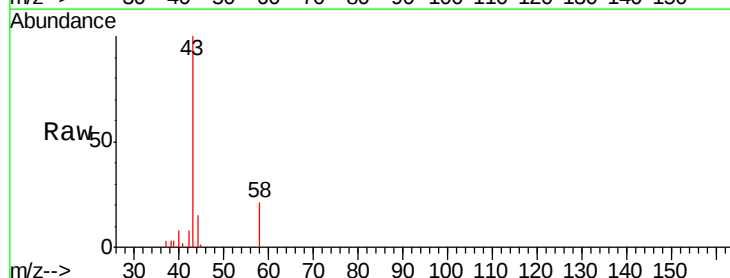
Acq: 30 Sep 2019 15:56

Tgt Ion: 43 Resp: 6822

Ion Ratio Lower Upper

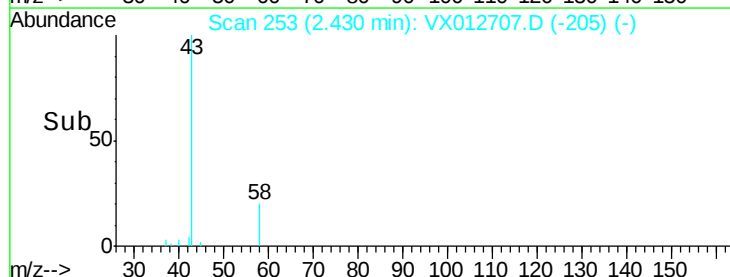
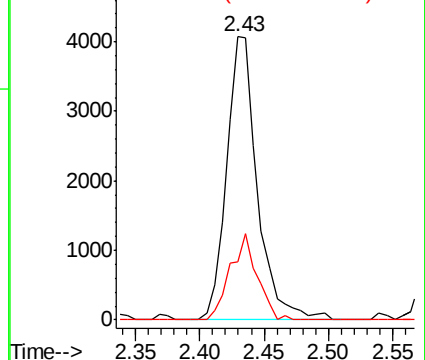
43 100

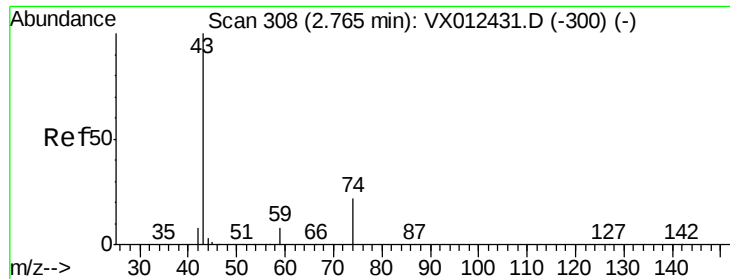
58 20.7 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

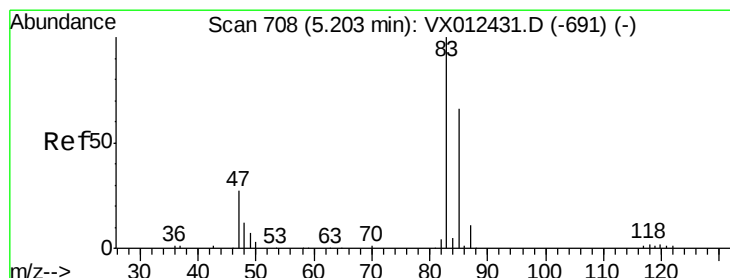
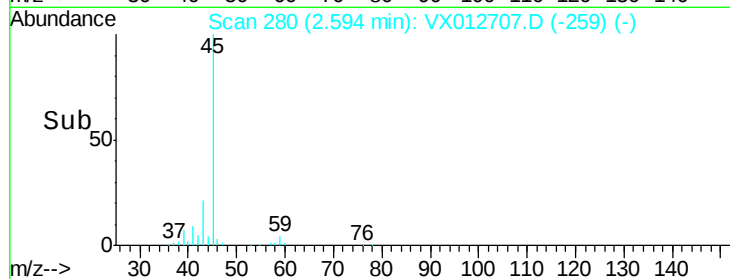
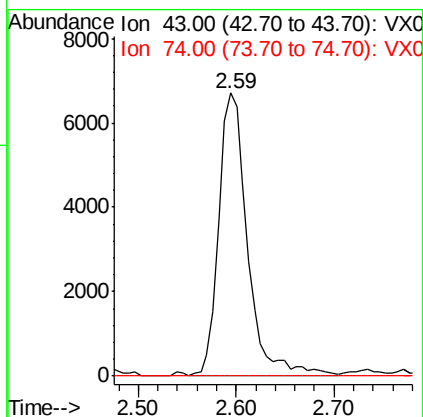
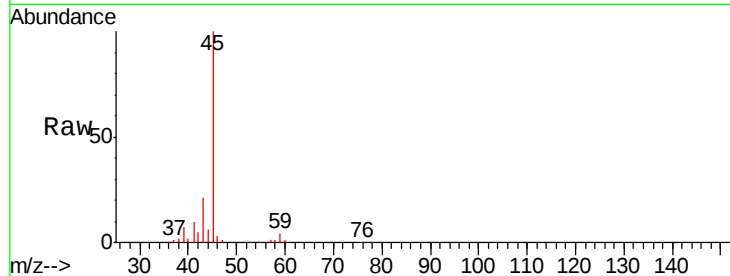




#18
Methyl Acetate
Concen: 4.412 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

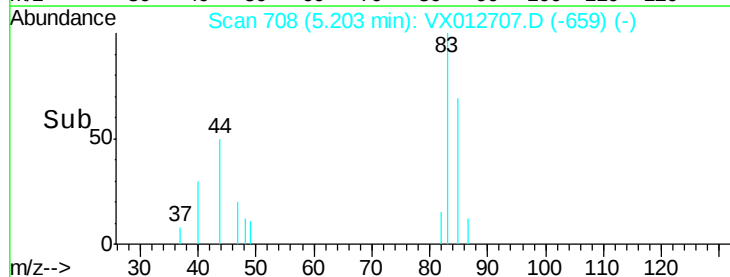
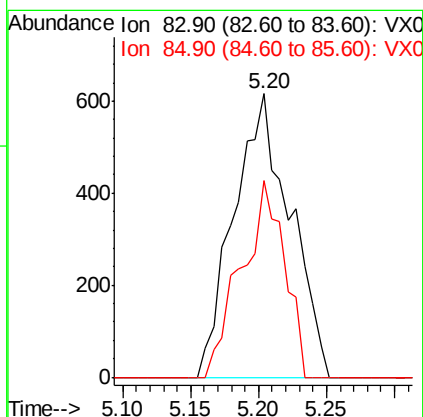
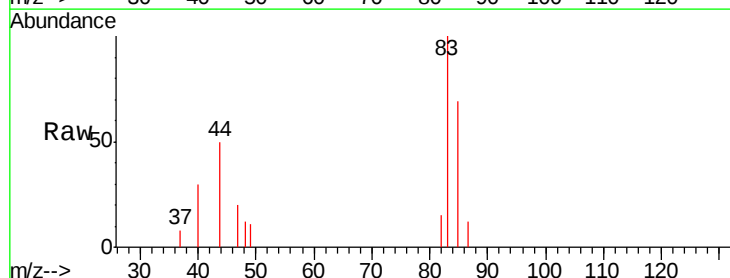
Instrument :
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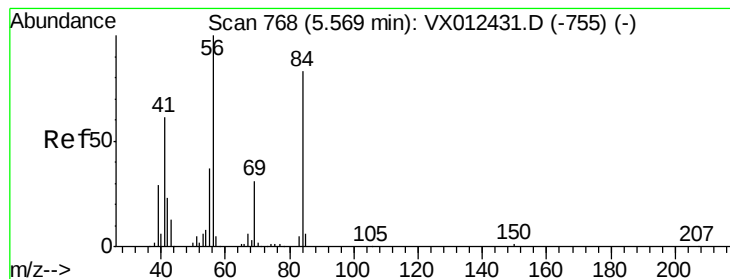
Tgt Ion: 43 Resp: 13745
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#30
Chloroform
Concen: 0.452 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

Tgt Ion: 83 Resp: 1779
Ion Ratio Lower Upper
83 100
85 69.5 53.0 79.4





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012707.D

Acq: 30 Sep 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ123S-20190926

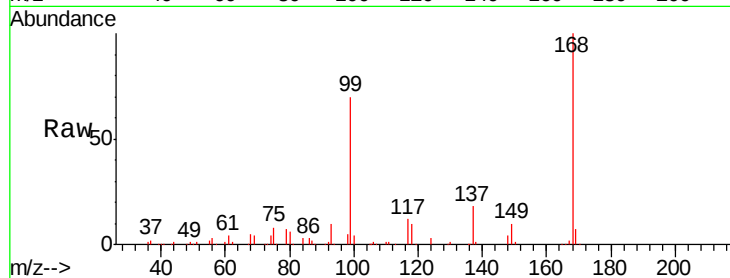
Tgt Ion: 56 Resp: 4073

Ion Ratio Lower Upper

56 100

69 173.9 25.0 37.6#

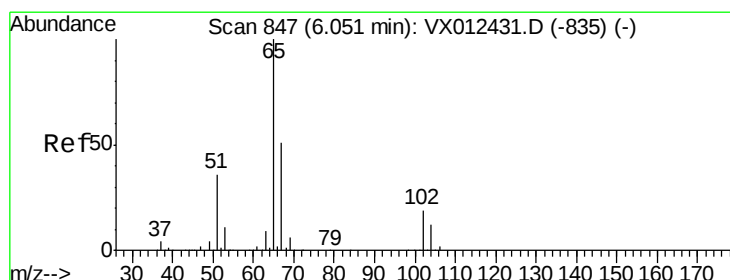
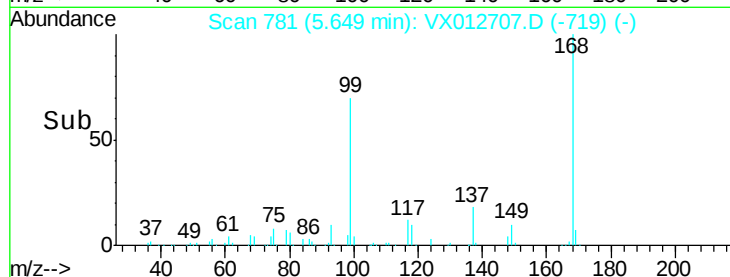
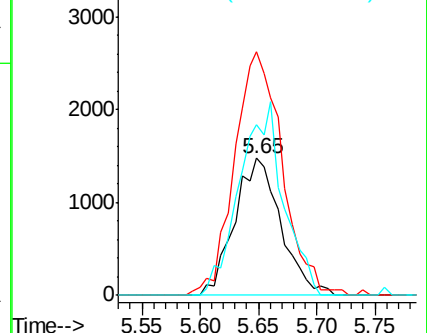
84 124.6 66.4 99.6#



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: 49.397 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012707.D

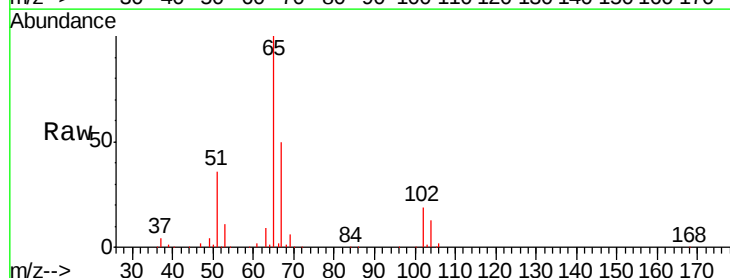
Acq: 30 Sep 2019 15:56

Tgt Ion: 65 Resp: 123394

Ion Ratio Lower Upper

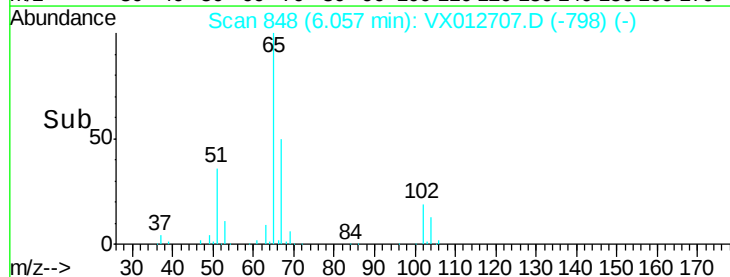
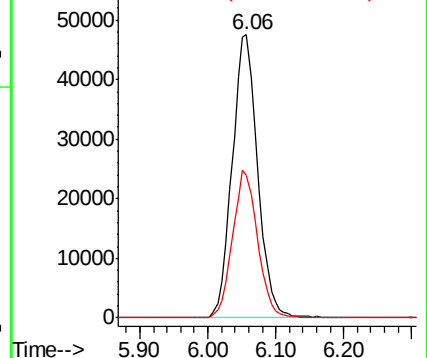
65 100

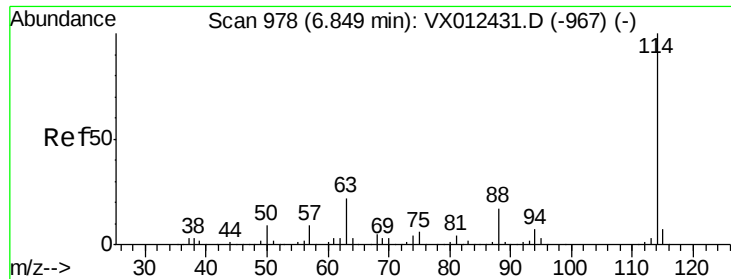
67 51.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

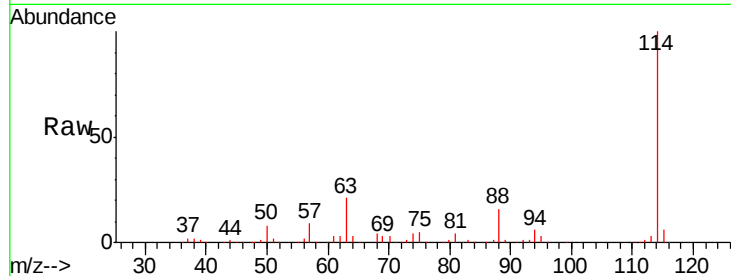




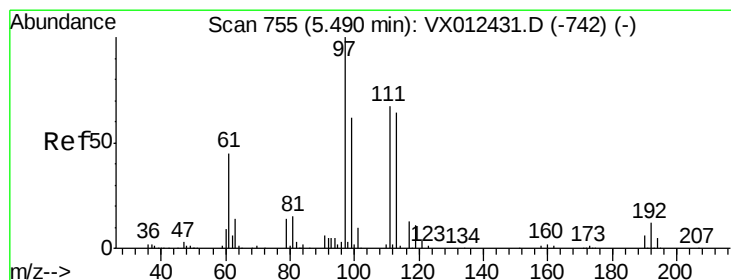
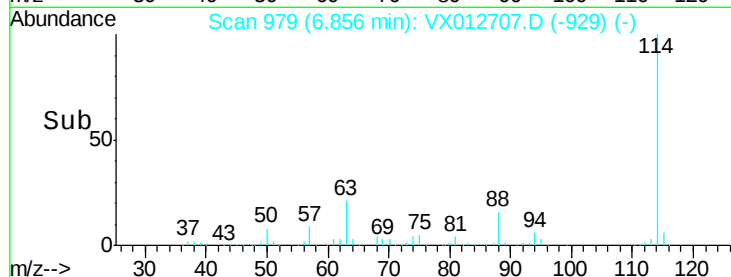
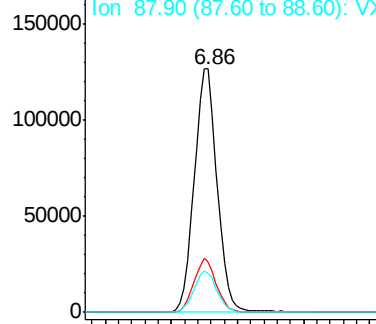
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012707.D
 Acq: 30 Sep 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ123S-20190926

Tgt Ion:114 Resp: 304665
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 16.1 0.0 33.2

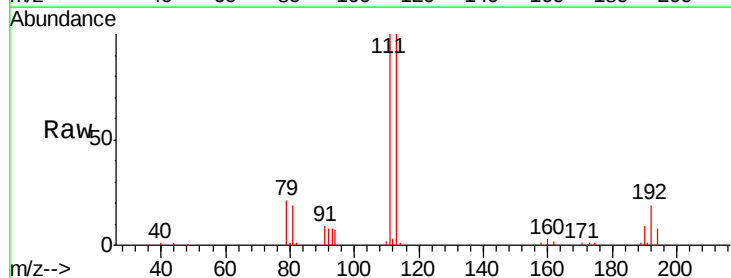


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

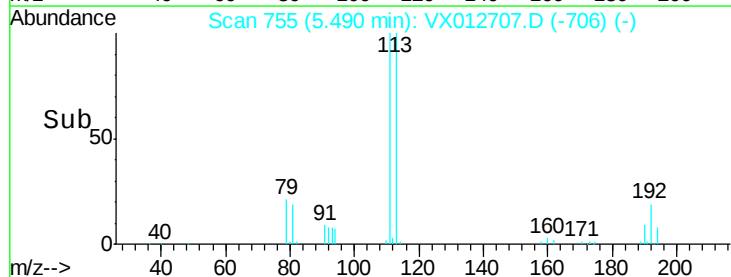
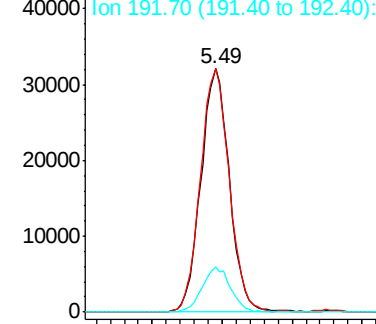


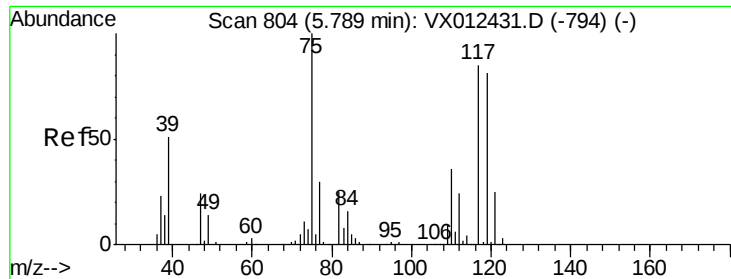
#35
 Dibromofluoromethane
 Concen: 50.045 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012707.D
 Acq: 30 Sep 2019 15:56

Tgt Ion:113 Resp: 90802
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.4 125.2
 192 18.2 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

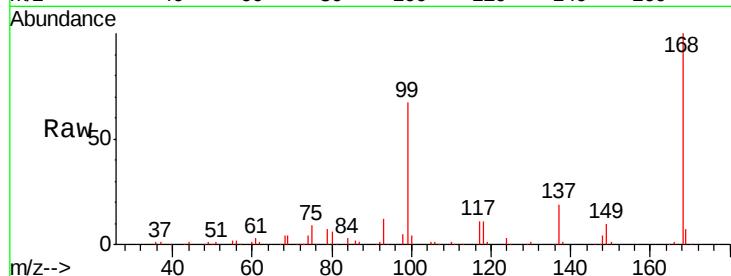




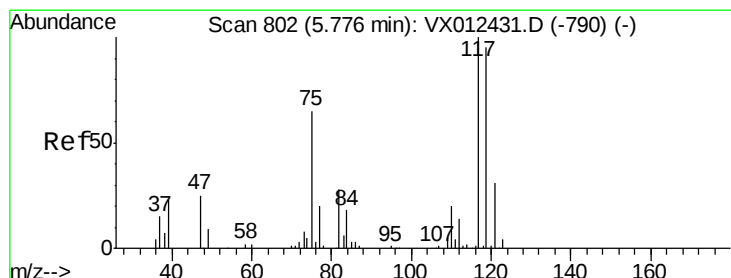
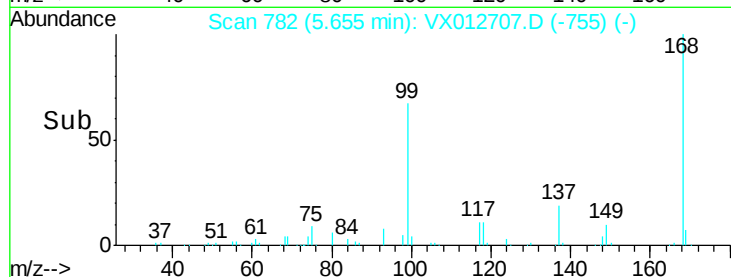
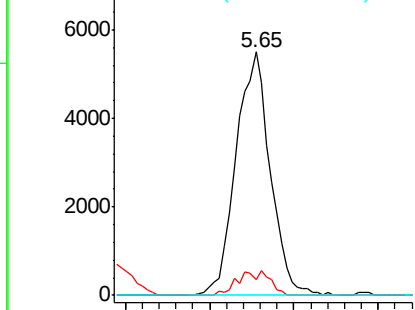
#36
 1,1-Dichloropropene
 Concen: 5.141 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012707.D
 Acq: 30 Sep 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ123S-20190926

Tgt Ion: 75 Resp: 15097
 Ion Ratio Lower Upper
 75 100
 110 5.7 16.7 50.0#
 77 0.0 24.2 36.2#

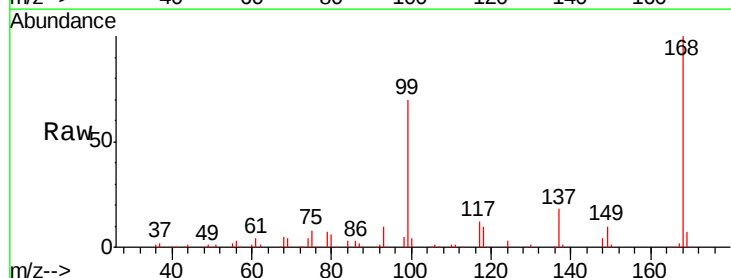


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

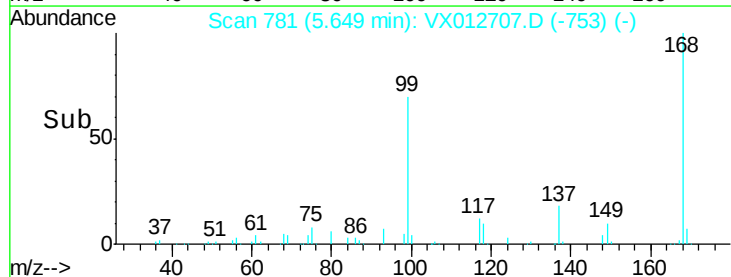
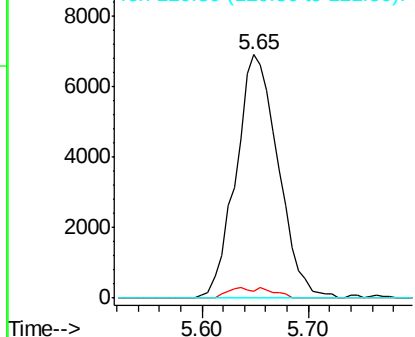


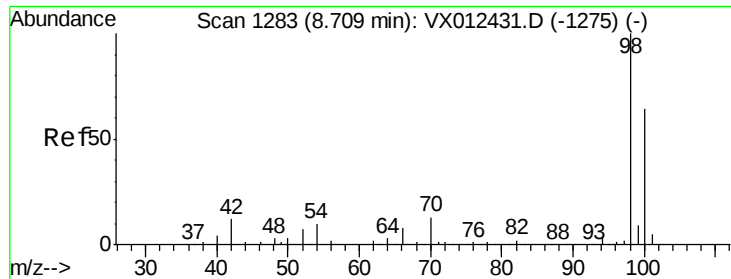
#38
 Carbon Tetrachloride
 Concen: 6.447 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012707.D
 Acq: 30 Sep 2019 15:56

Tgt Ion: 117 Resp: 19231
 Ion Ratio Lower Upper
 117 100
 119 3.0 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

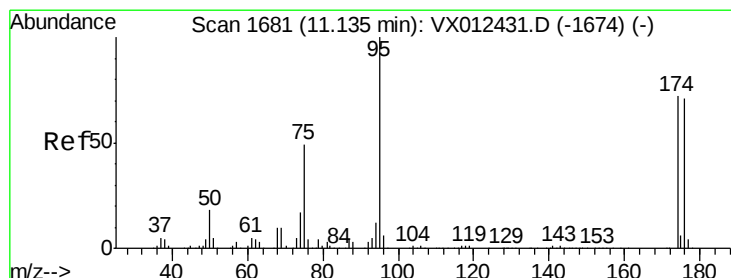
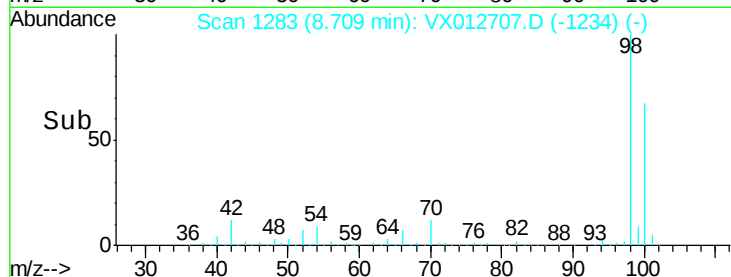
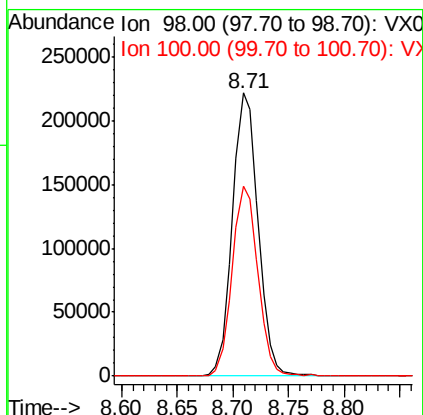
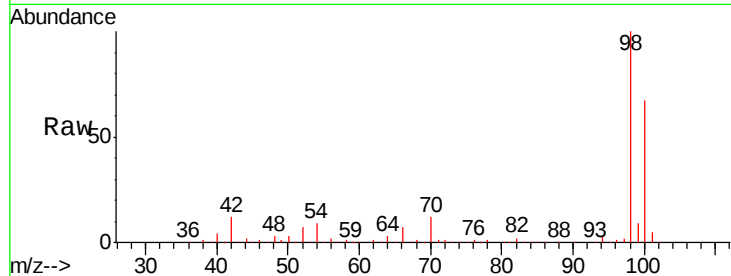




#50
Toluene-d8
Concen: 50.857 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

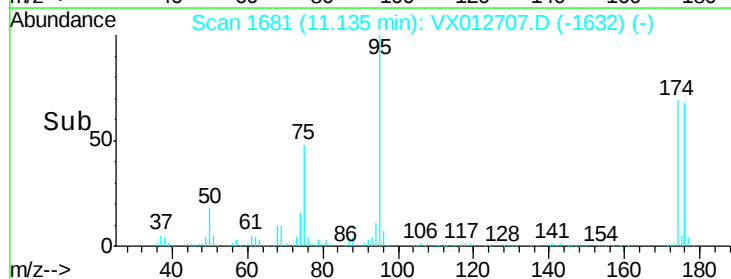
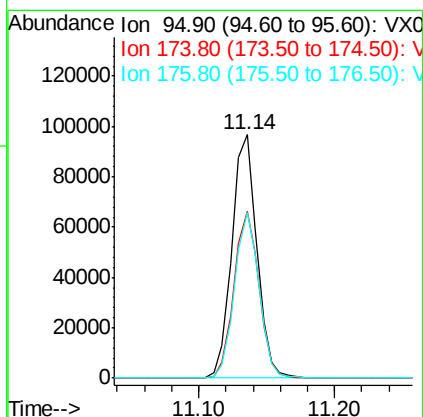
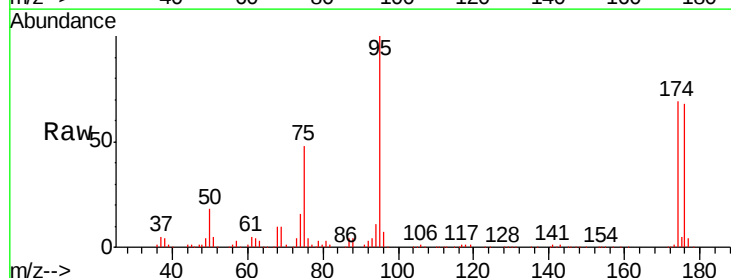
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ123S-20190926

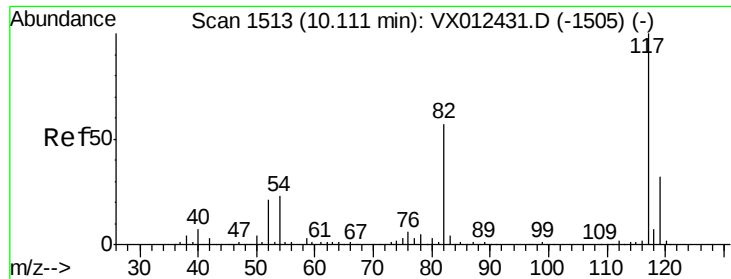
Tgt Ion: 98 Resp: 355361
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 45.115 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

Tgt Ion: 95 Resp: 123953
Ion Ratio Lower Upper
95 100
174 68.4 0.0 140.0
176 66.4 0.0 135.4

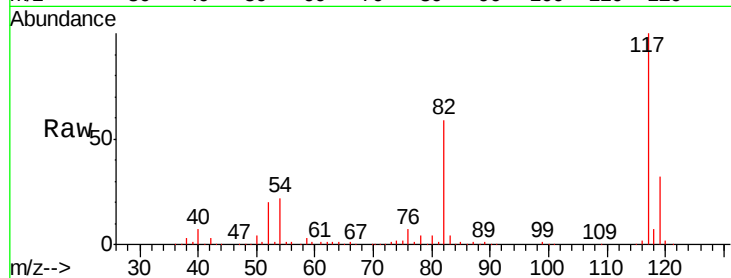




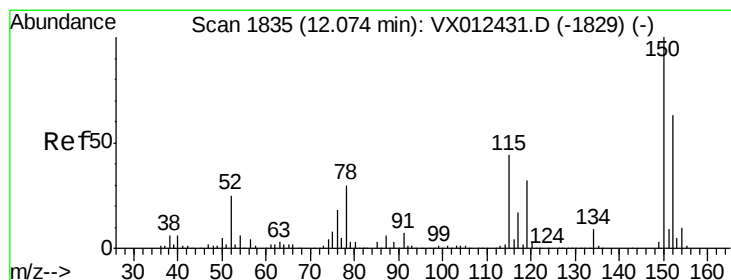
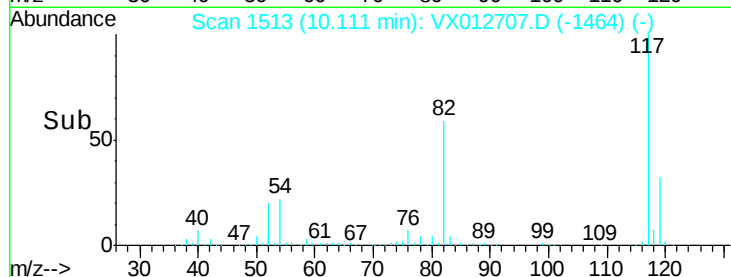
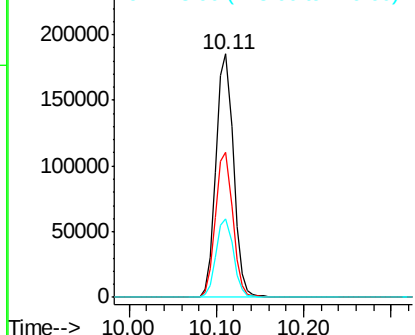
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ123S-20190926

Tgt Ion:117 Resp: 257279
Ion Ratio Lower Upper
117 100
82 59.3 45.9 68.9
119 32.1 25.3 37.9

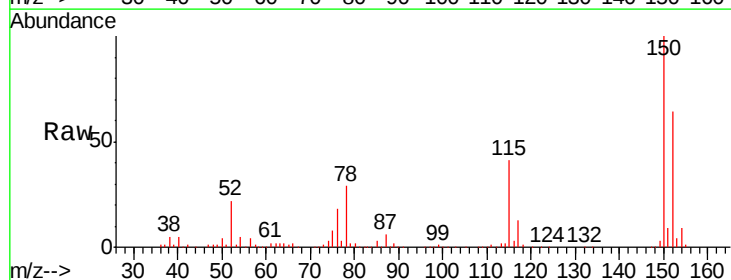


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

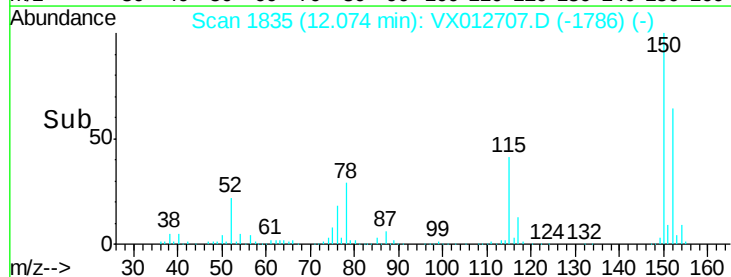
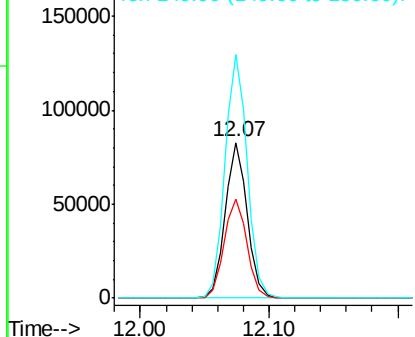


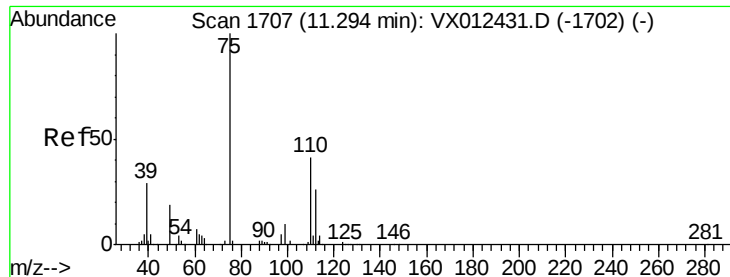
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012707.D
Acq: 30 Sep 2019 15:56

Tgt Ion:152 Resp: 99392
Ion Ratio Lower Upper
152 100
115 66.0 44.1 132.3
150 158.8 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: 23.487 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012707.D

Acq: 30 Sep 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

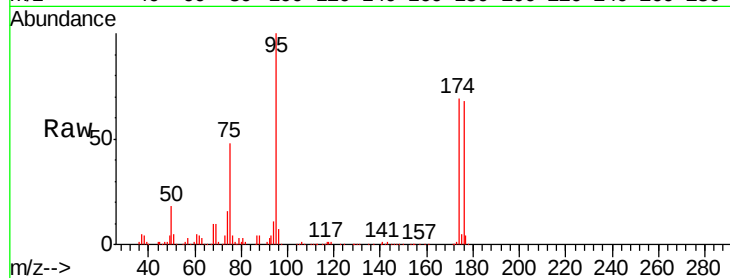
SA-PZ123S-20190926

Tgt Ion: 75 Resp: 61752

Ion Ratio Lower Upper

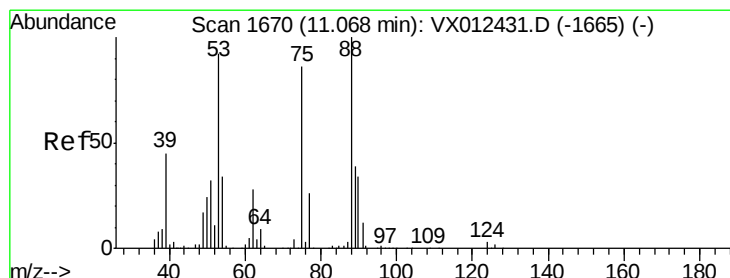
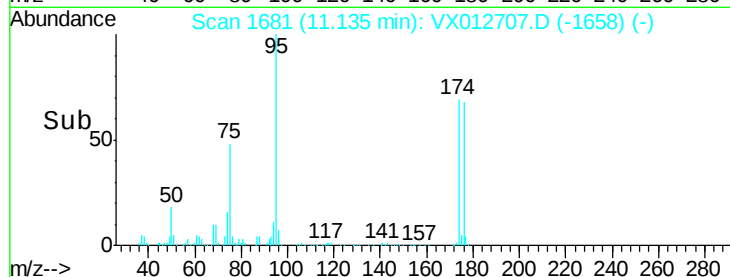
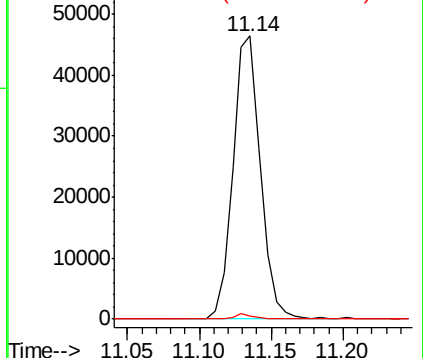
75 100

77 1.3 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: 67.309 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012707.D

Acq: 30 Sep 2019 15:56

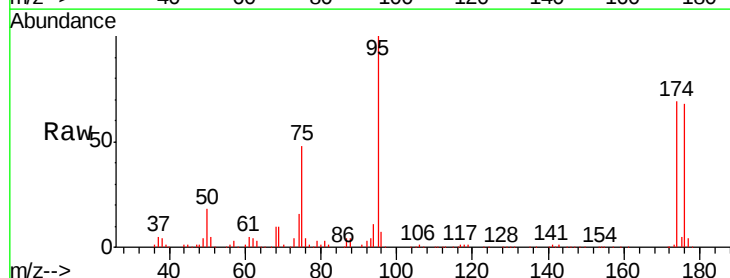
Tgt Ion: 75 Resp: 61752

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.2 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

