

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX092319\
 Data File : VX012617.D
 Acq On : 23 Sep 2019 20:14
 Operator : JC/SP
 Sample : K4883-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2-R2-2

Quant Time: Sep 24 01:54:37 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	167627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88416	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	122893	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.70%		
35) Dibromofluoromethane	5.49	113	87630	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.76%		
50) Toluene-d8	8.71	98	338171	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.96%		
62) 4-Bromofluorobenzene	11.14	95	114263	43.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.62%		

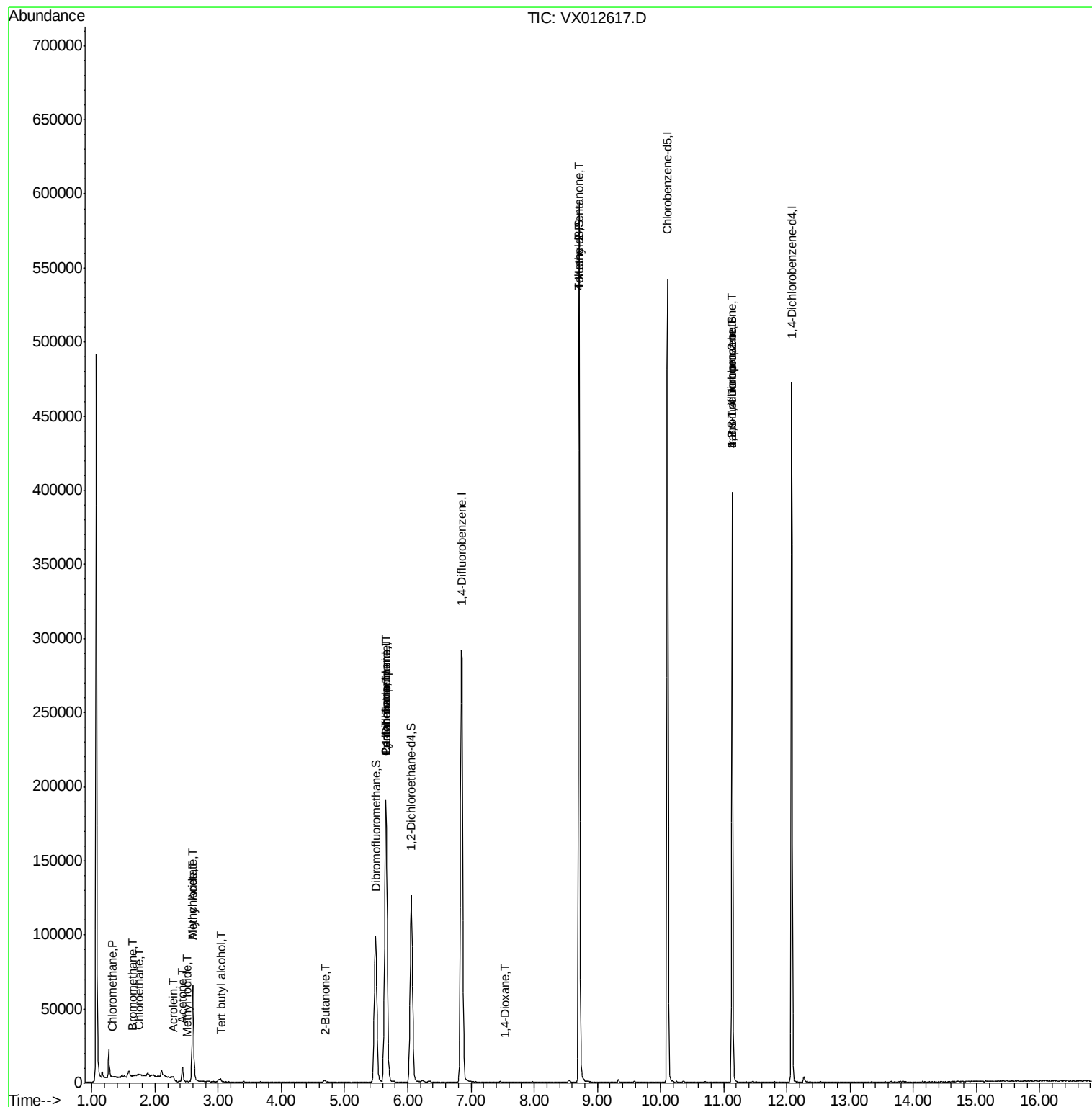
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	493	0.228	ug/l	93
5) Bromomethane	1.64	94	377	0.446	ug/l	83
6) Chloroethane	1.73	64	599	0.413	ug/l #	74
10) Methyl Iodide	2.51	142	65	4.983	ug/l #	35
11) Tert butyl alcohol	3.04	59	2930	4.805	ug/l #	84
13) Acrolein	2.28	56	144	10.639	ug/l #	1
14) Allyl chloride	2.59	41	6847	1.915	ug/l #	65
16) Acetone	2.44	43	10980	8.492	ug/l	95
18) Methyl Acetate	2.59	43	18019	5.919	ug/l #	54
25) 2-Butanone	4.69	43	388	0.209	ug/l #	51
31) Cyclohexane	5.65	56	4342	1.278	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14425	5.175	ug/l #	48
38) Carbon Tetrachloride	5.65	117	18836	6.652	ug/l #	15
49) 1,4-Dioxane	7.53	88	23	0.388	ug/l #	22
51) 4-Methyl-2-Pentanone	8.71	43	1687	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58622	25.065	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	58622	71.830	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# 782

Delta R.T. 0.01 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

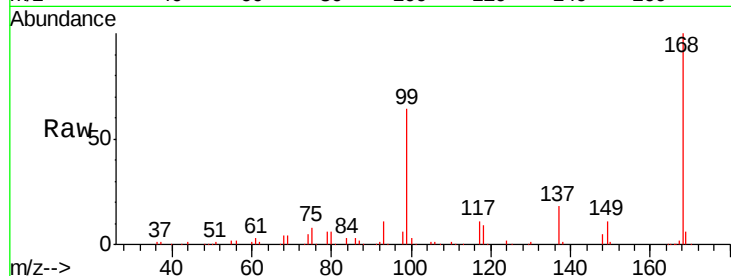
MW2-R2-2

Tgt Ion:168 Resp: 167627

Ion Ratio Lower Upper

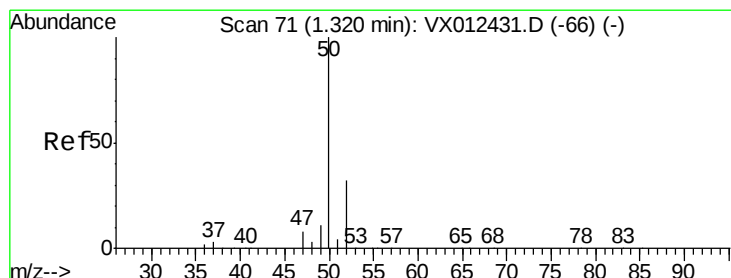
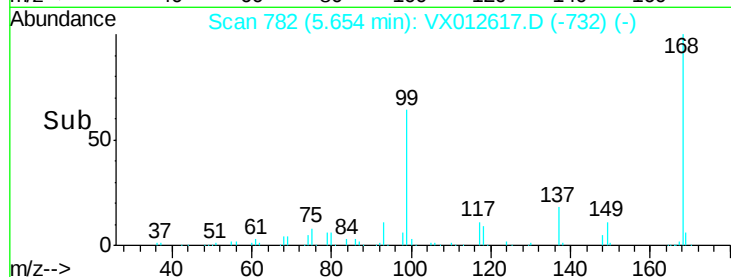
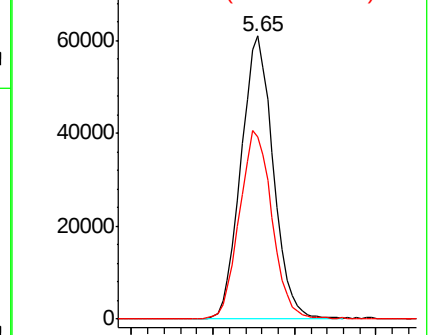
168 100

99 64.2 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: 0.228 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX012617.D

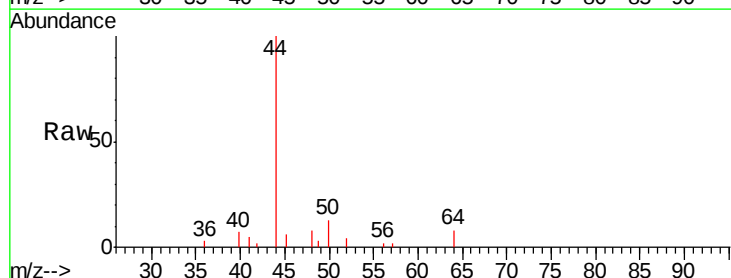
Acq: 23 Sep 2019 20:14

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

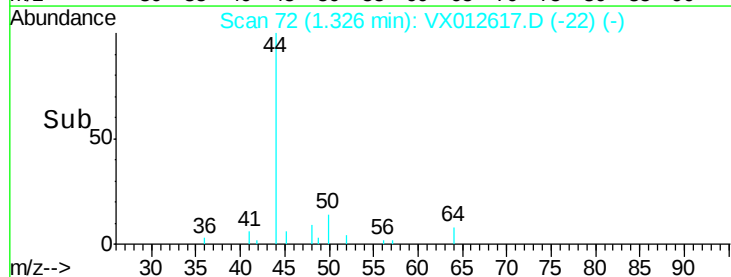
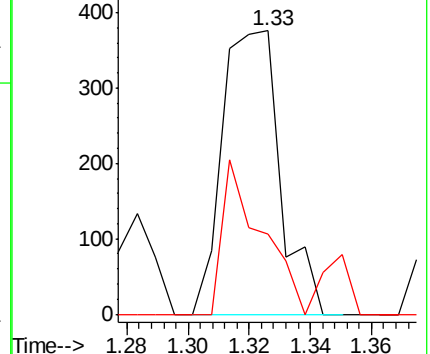
50 100

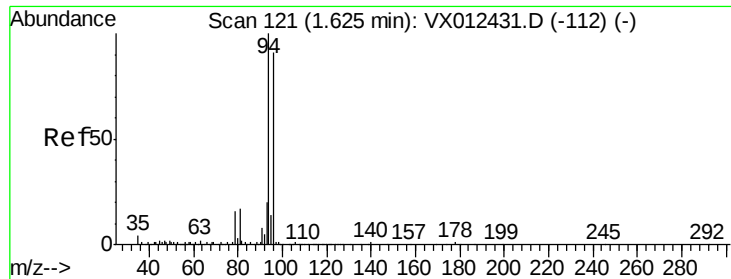
52 28.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.446 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

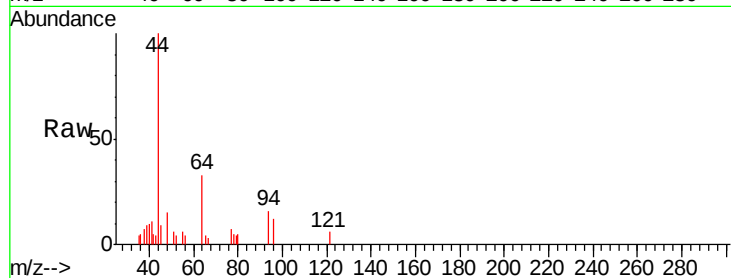
MW2-R2-2

Tgt Ion: 94 Resp: 377

Ion Ratio Lower Upper

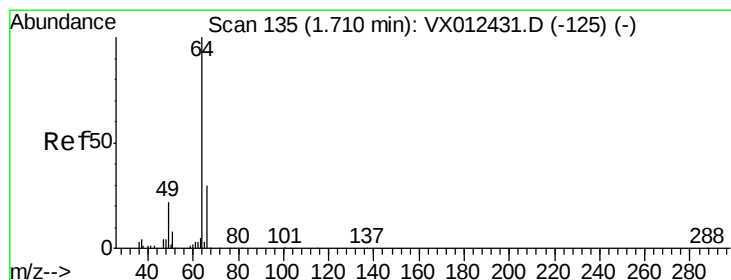
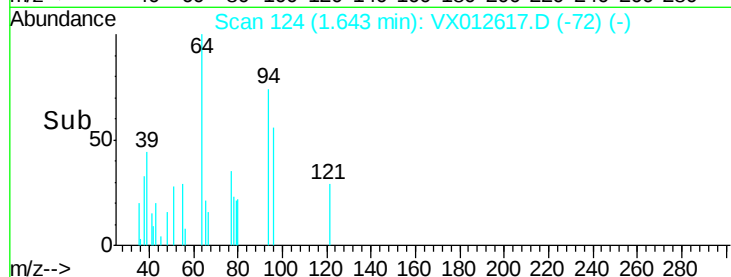
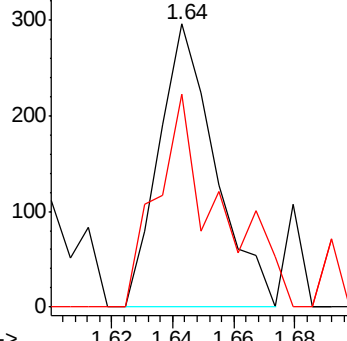
94 100

96 75.3 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: 0.413 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX012617.D

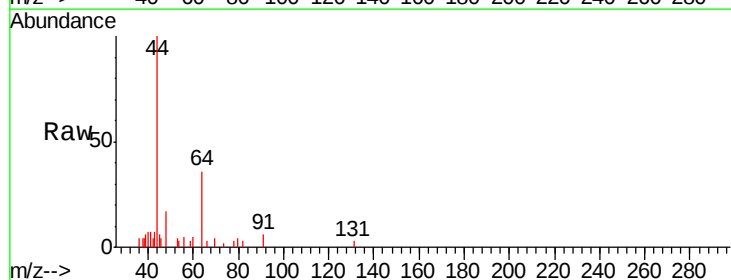
Acq: 23 Sep 2019 20:14

Tgt Ion: 64 Resp: 599

Ion Ratio Lower Upper

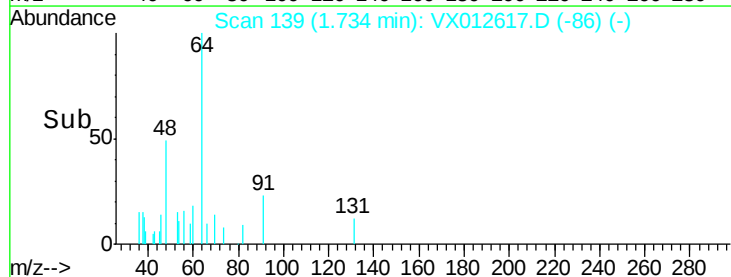
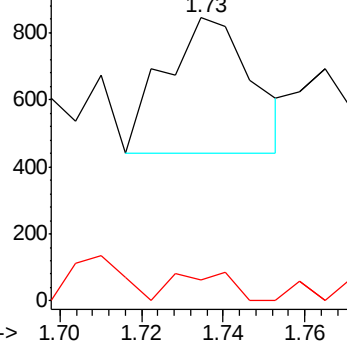
64 100

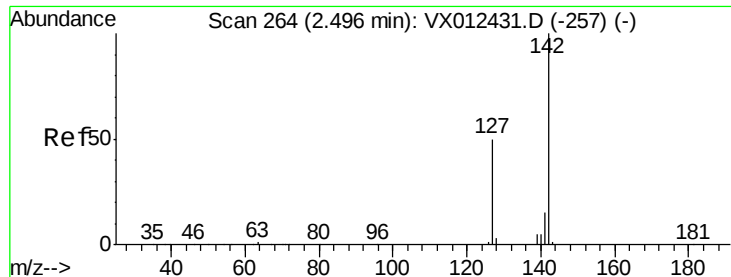
66 15.7 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

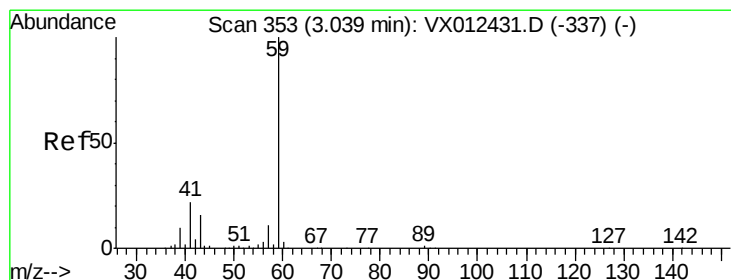
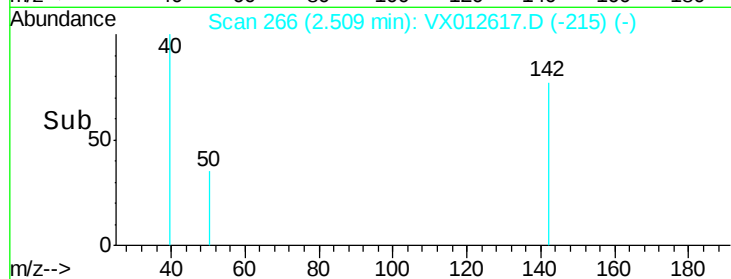
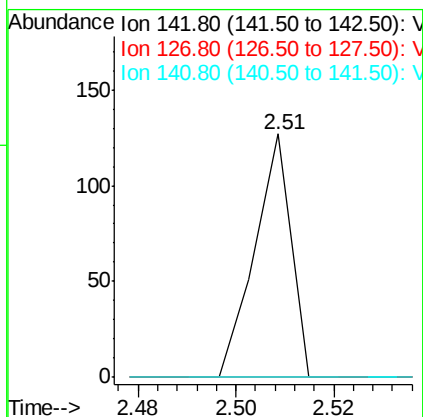
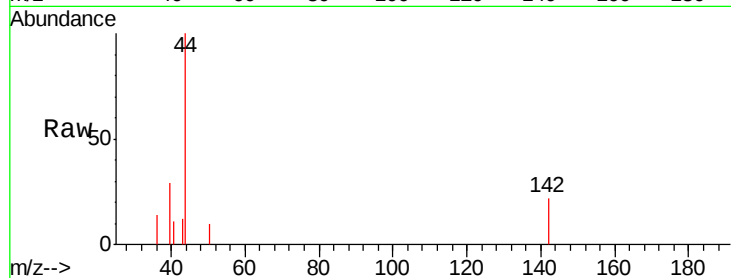




#10
Methyl Iodide
Concen: 4.983 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012617.D
Acq: 23 Sep 2019 20:14

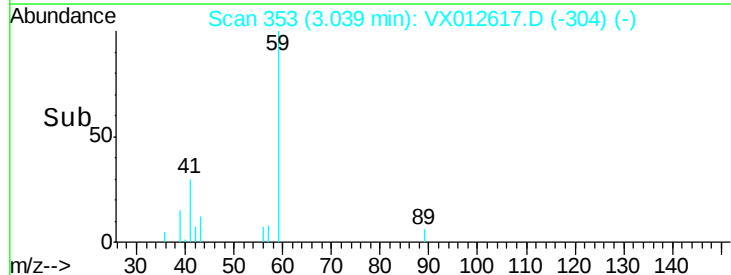
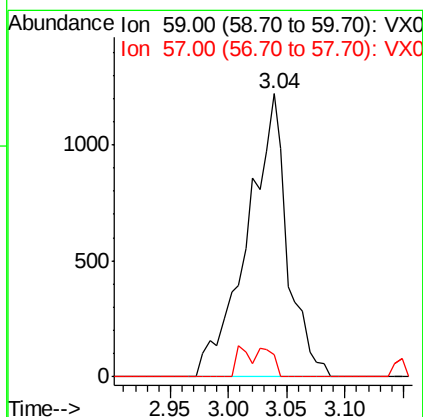
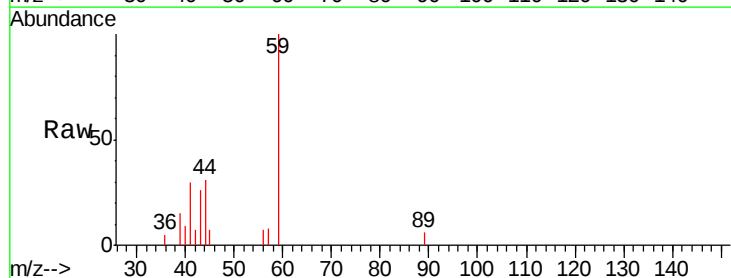
Instrument :
MSVOA_X
ClientSampleId :
MW2-R2-2

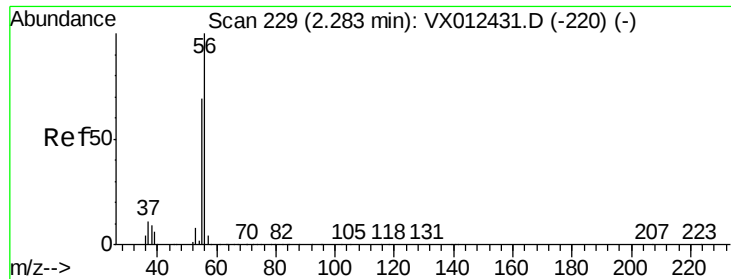
Tgt Ion: 142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 4.805 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012617.D
Acq: 23 Sep 2019 20:14

Tgt Ion: 59 Resp: 2930
Ion Ratio Lower Upper
59 100
57 4.2 8.3 12.5#





#13

Acrolein

Concen: 10.639 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

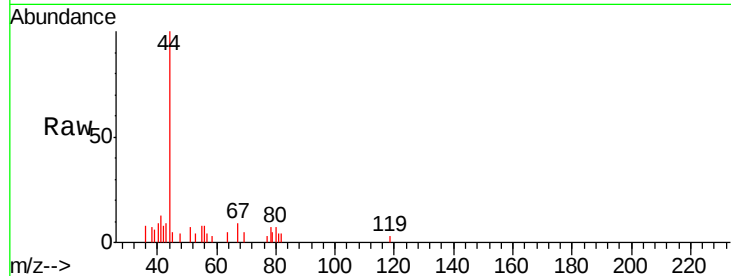
MW2-R2-2

Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

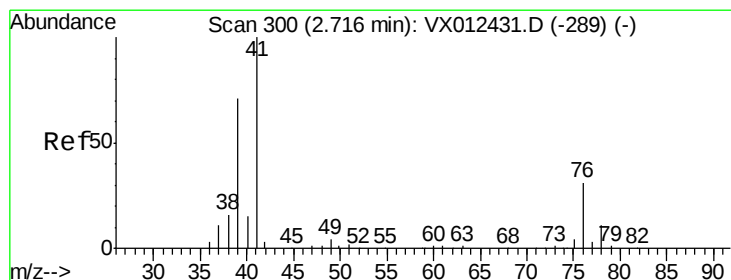
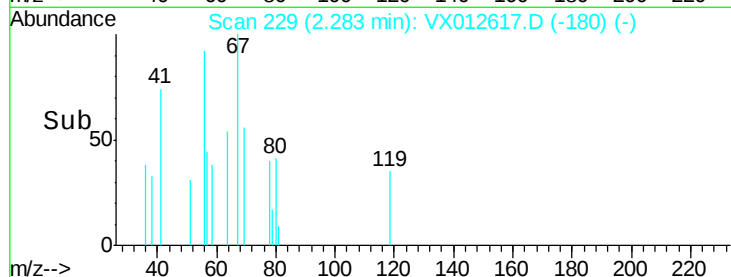
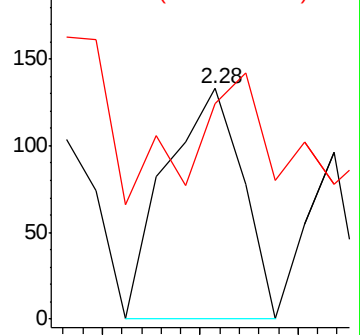
56 100

55 171.5 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: 1.915 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

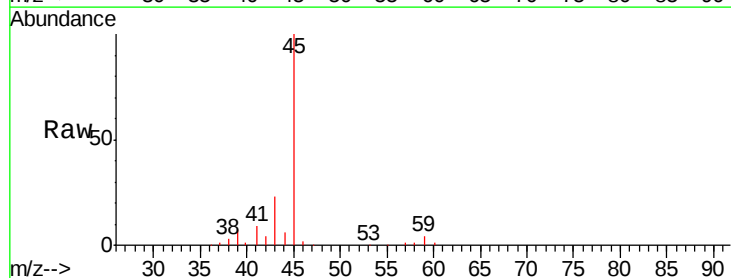
Tgt Ion: 41 Resp: 6847

Ion Ratio Lower Upper

41 100

39 84.6 51.3 76.9#

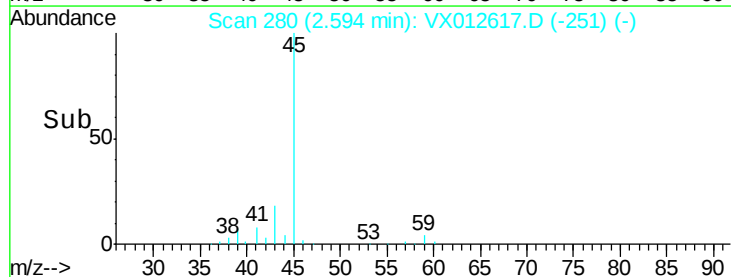
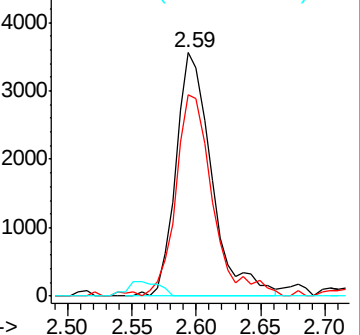
76 0.0 22.6 33.8#

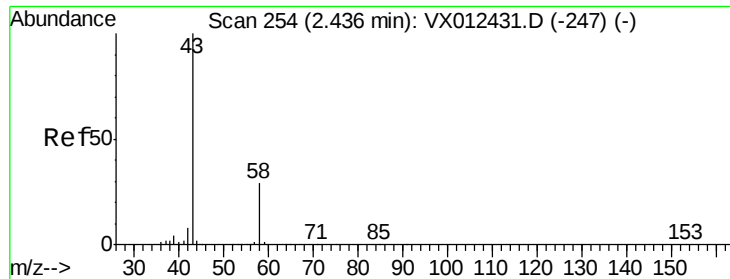


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 8.492 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

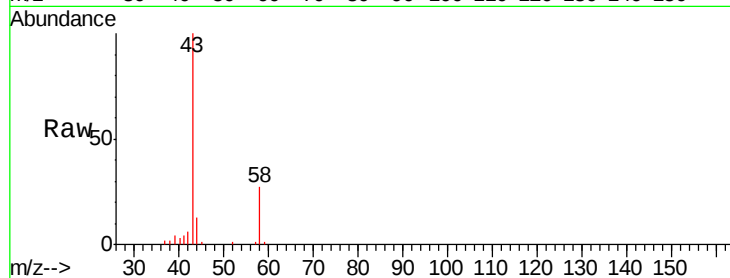
MW2-R2-2

Tgt Ion: 43 Resp: 10980

Ion Ratio Lower Upper

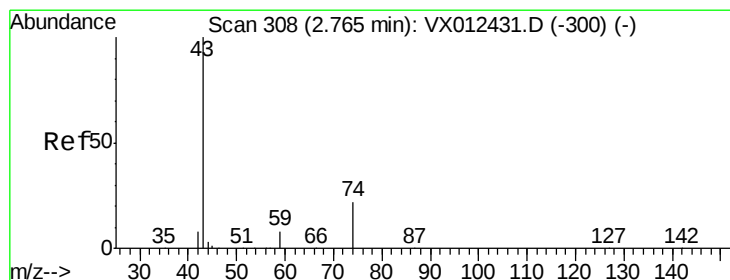
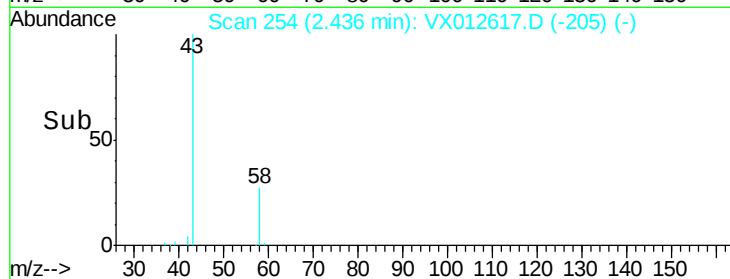
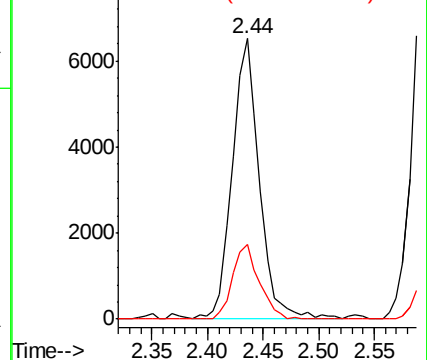
43 100

58 26.5 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: 5.919 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012617.D

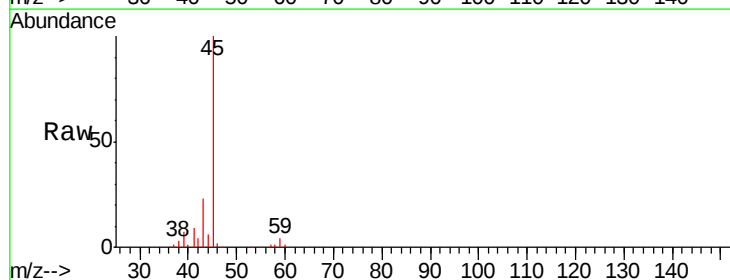
Acq: 23 Sep 2019 20:14

Tgt Ion: 43 Resp: 18019

Ion Ratio Lower Upper

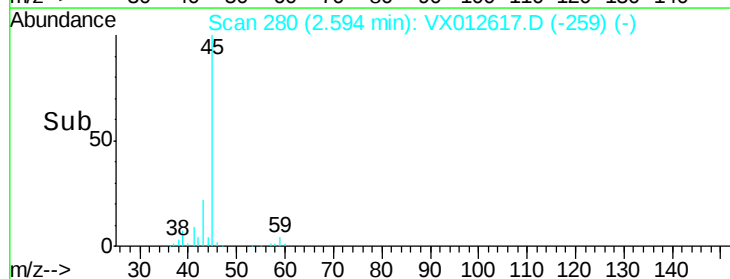
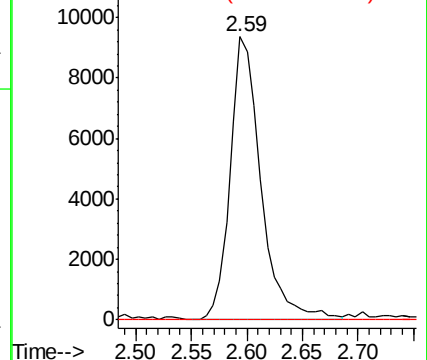
43 100

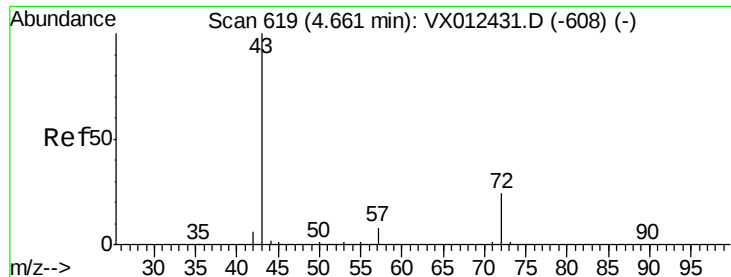
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.209 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.03 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

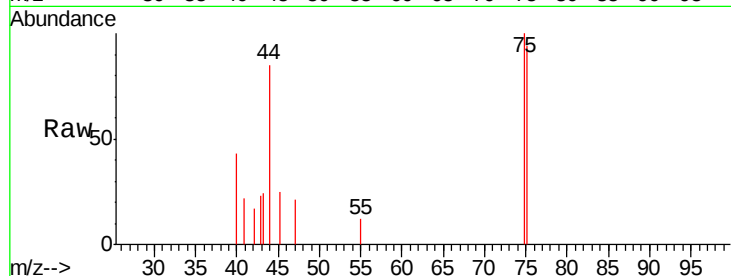
MW2-R2-2

Tgt Ion: 43 Resp: 388

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

150

100

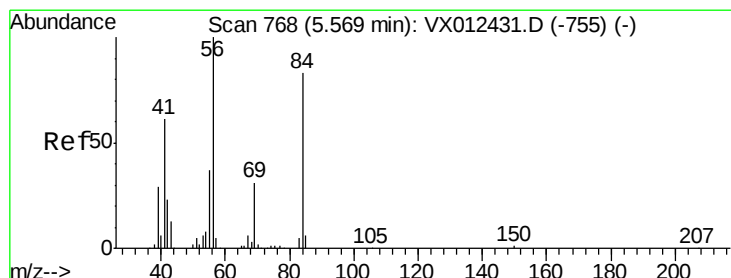
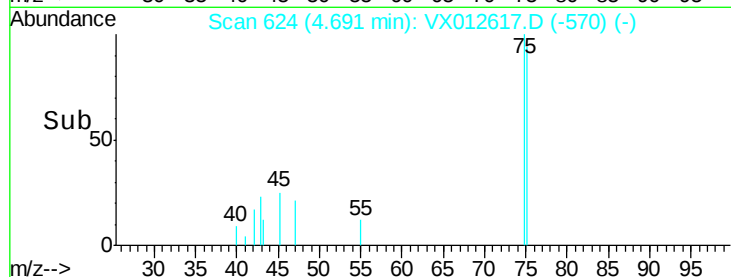
50

0

4.65

4.70

Time-->



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

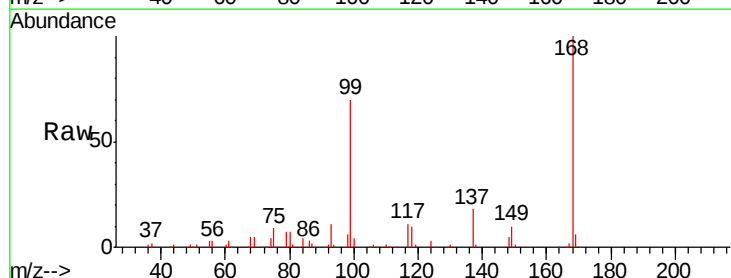
Tgt Ion: 56 Resp: 4342

Ion Ratio Lower Upper

56 100

69 190.9 25.0 37.6#

84 152.6 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

3000

2000

1000

0

5.55

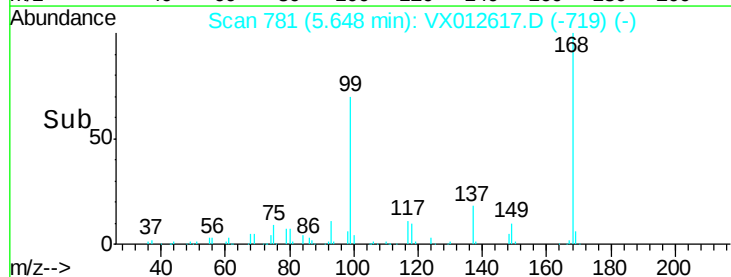
5.60

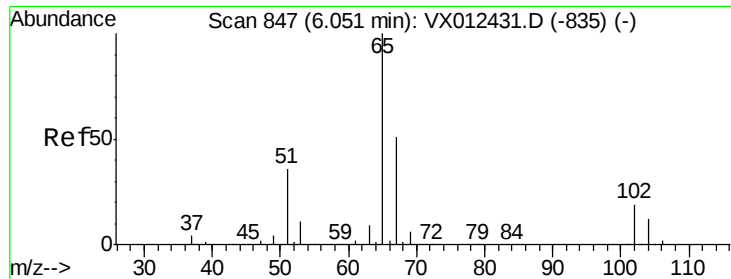
5.65

5.70

5.75

Time-->

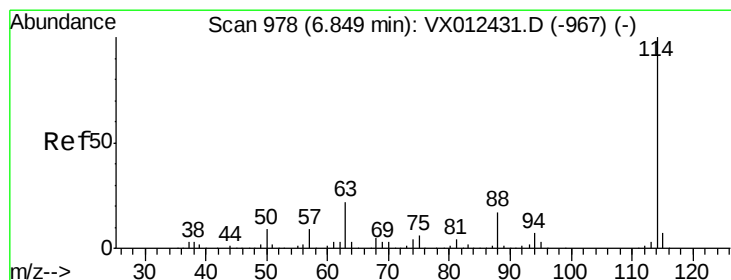
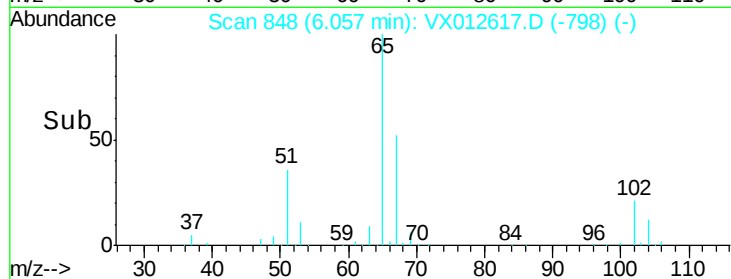
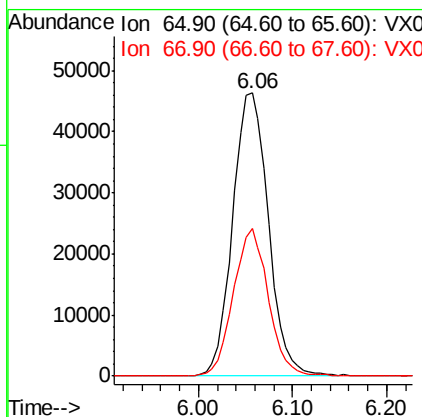
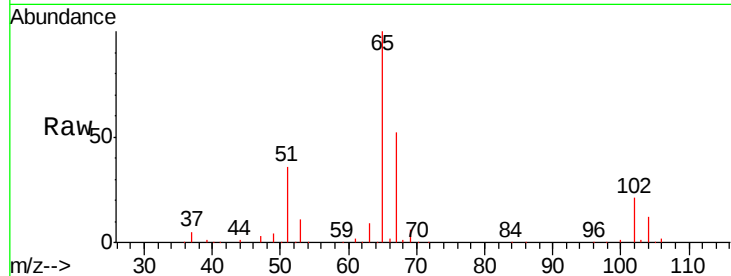




#33
 1,2-Dichloroethane-d4
 Concen: 50.346 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012617.D
 Acq: 23 Sep 2019 20:14

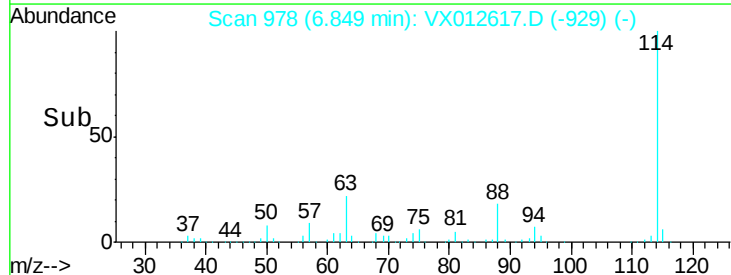
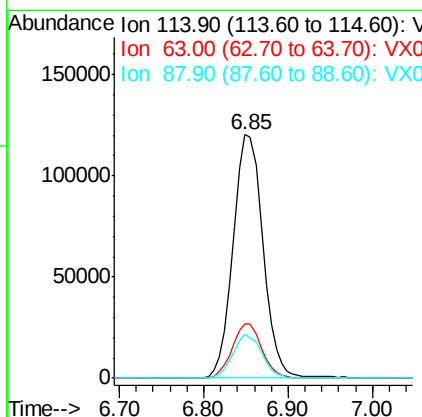
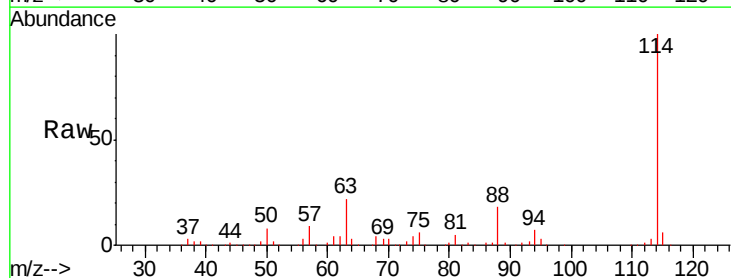
Instrument :
 MSVOA_X
 ClientSampleId :
 MW2-R2-2

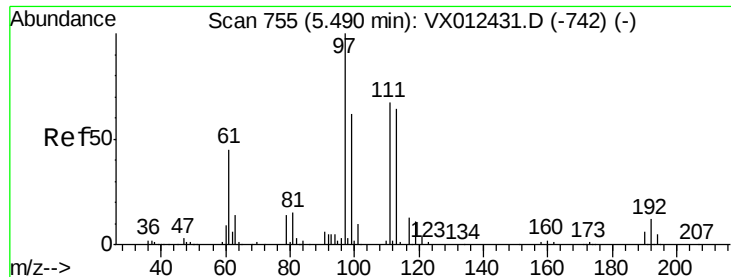
Tgt Ion: 65 Resp: 122893
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012617.D
 Acq: 23 Sep 2019 20:14

Tgt Ion: 114 Resp: 289208
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 18.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.878 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

MW2-R2-2

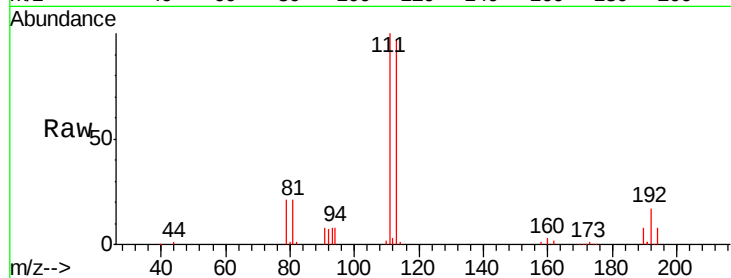
Tgt Ion:113 Resp: 87630

Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

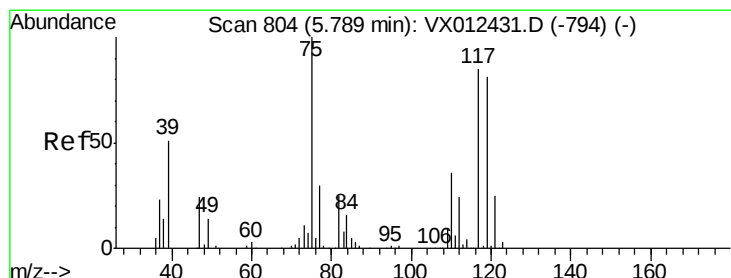
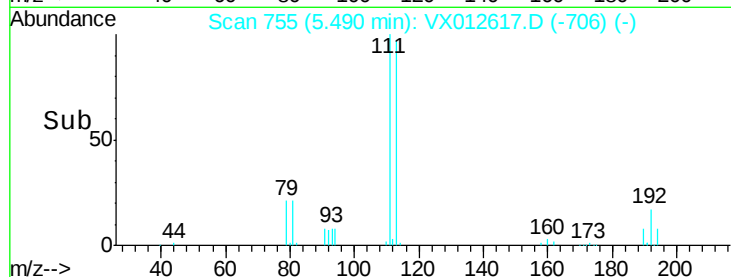
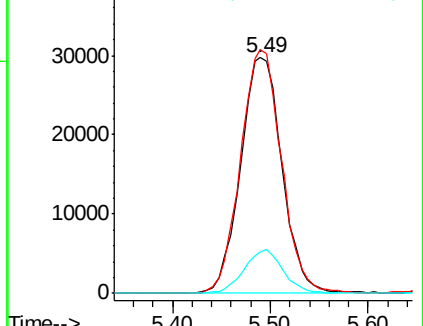
192 17.5 14.4 21.6



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: 5.175 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

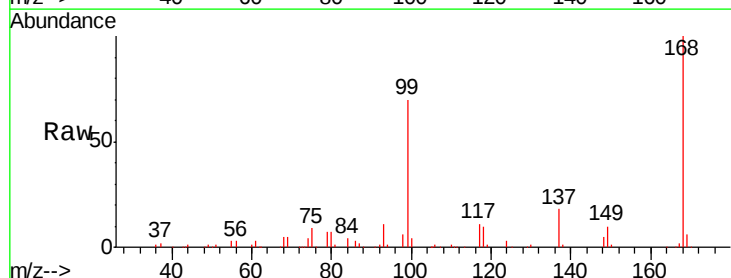
Tgt Ion: 75 Resp: 14425

Ion Ratio Lower Upper

75 100

110 6.0 16.7 50.0#

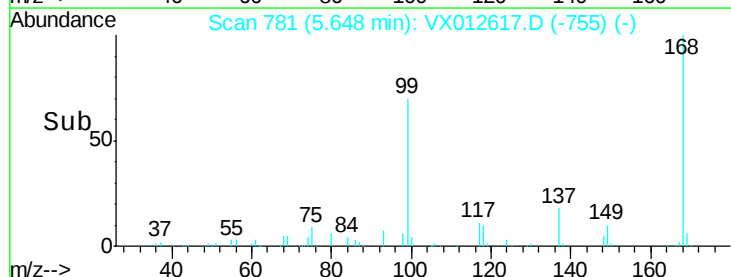
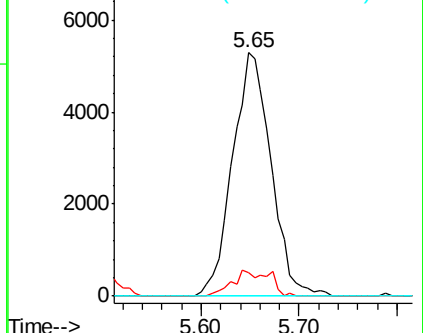
77 0.0 24.2 36.2#

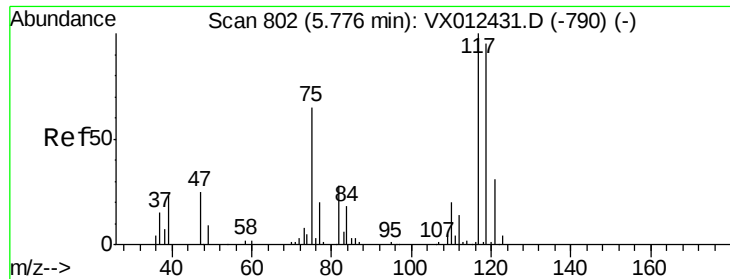


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.652 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

MW2-R2-2

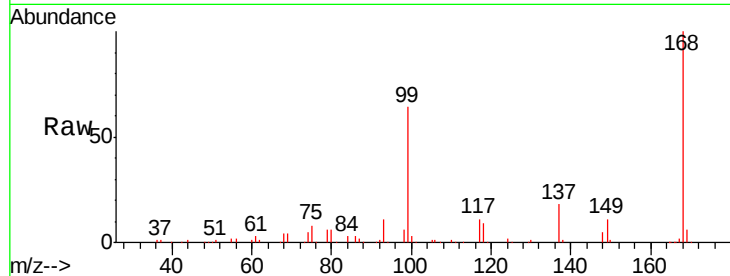
Tgt Ion:117 Resp: 18836

Ion Ratio Lower Upper

117 100

119 3.0 75.7 113.5#

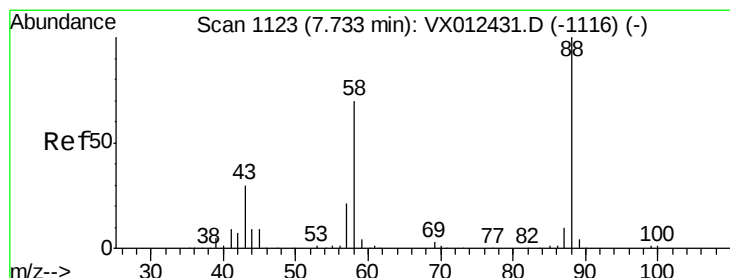
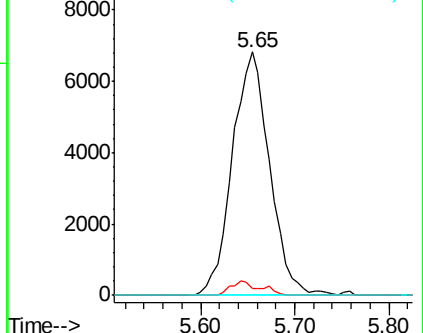
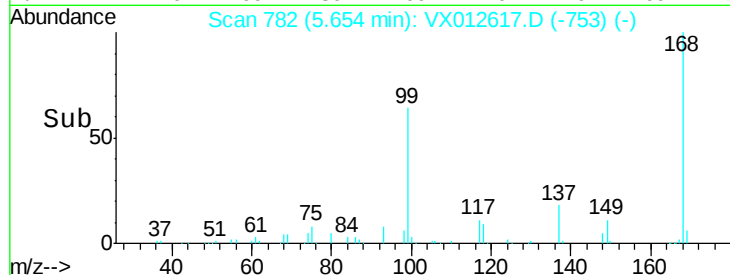
121 0.0 24.2 36.4#



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



#49

1,4-Dioxane

Concen: 0.388 ug/l

RT: 7.53 min Scan# 1090

Delta R.T. -0.20 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

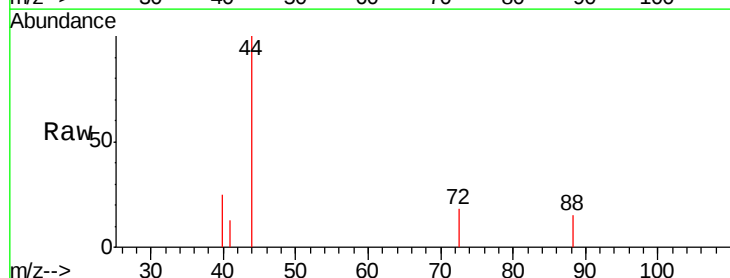
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 29.4 44.0#

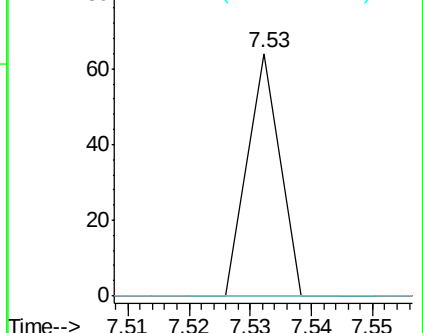
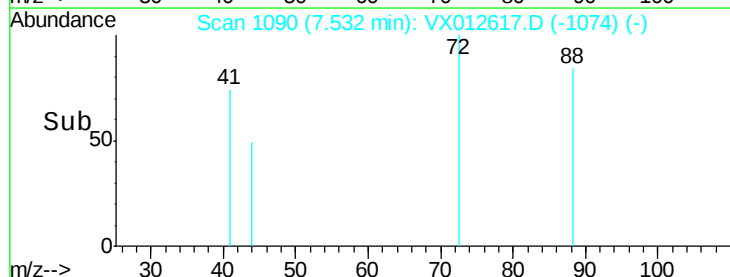
58 0.0 57.5 86.3#

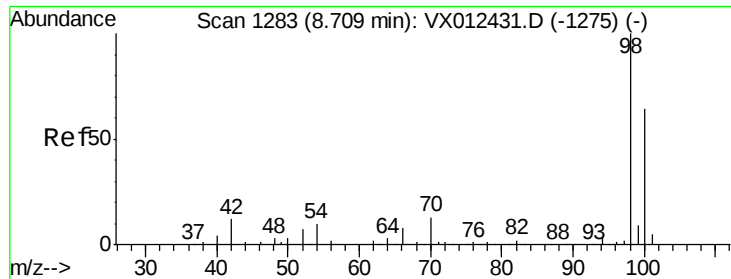


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

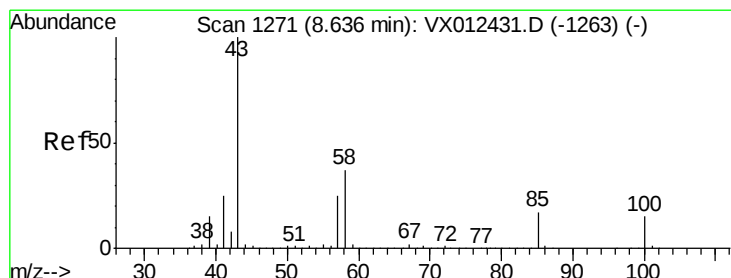
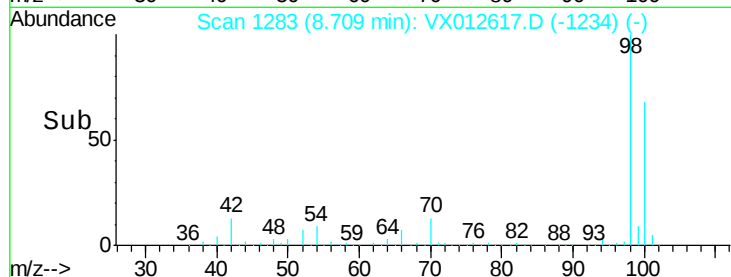
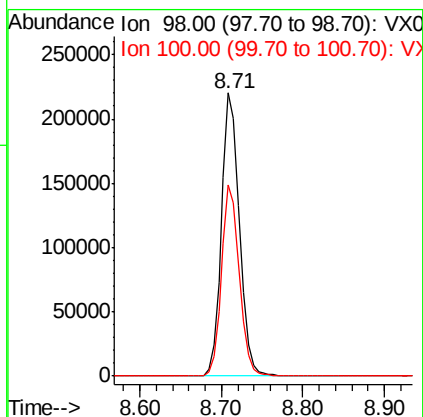
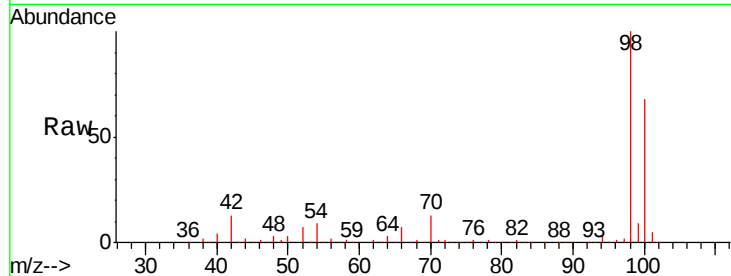




#50
Toluene-d8
Concen: 50.984 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012617.D
Acq: 23 Sep 2019 20:14

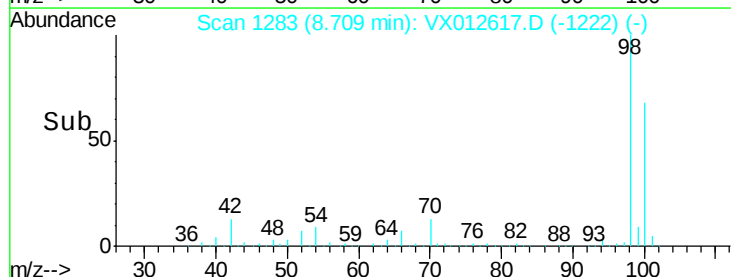
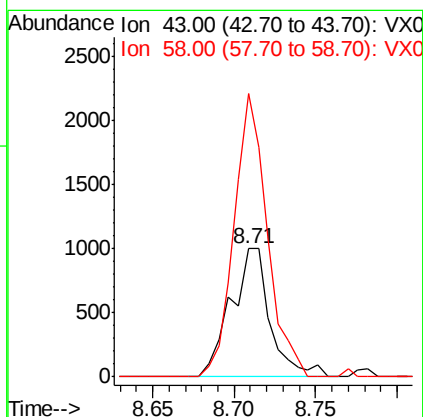
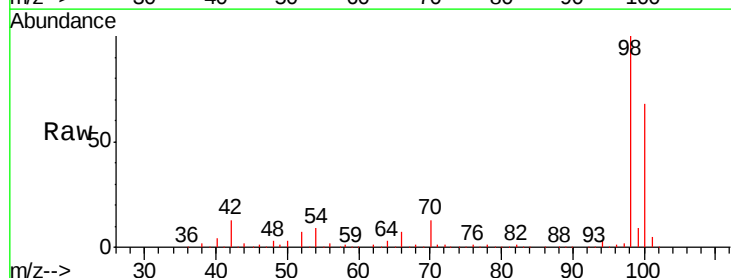
Instrument :
MSVOA_X
ClientSampleId :
MW2-R2-2

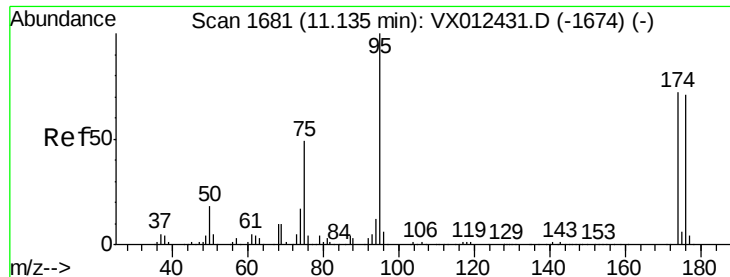
Tgt Ion: 98 Resp: 338171
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012617.D
Acq: 23 Sep 2019 20:14

Tgt Ion: 43 Resp: 1687
Ion Ratio Lower Upper
43 100
58 184.9 29.8 44.6#

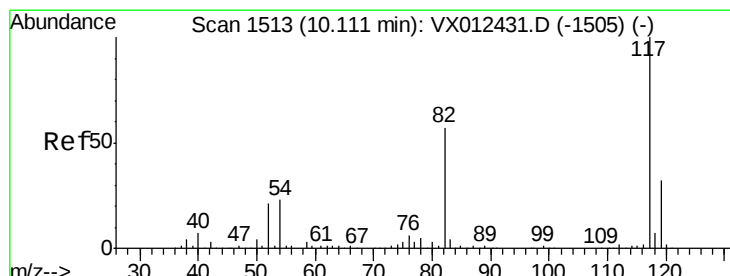
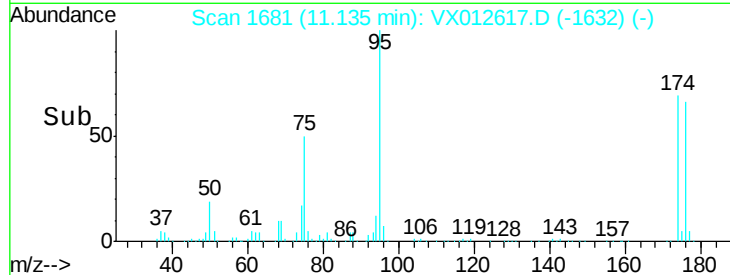
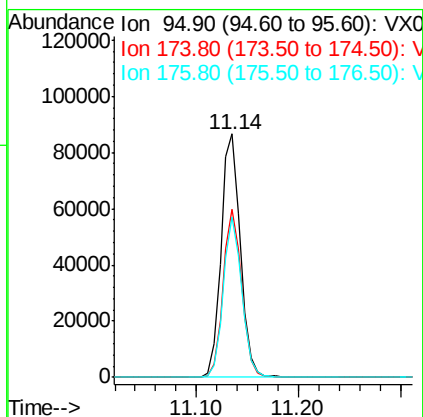
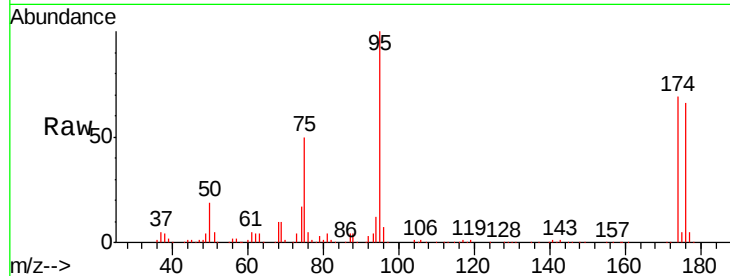




#62
4-Bromofluorobenzene
Concen: 43.811 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012617.D
Acq: 23 Sep 2019 20:14

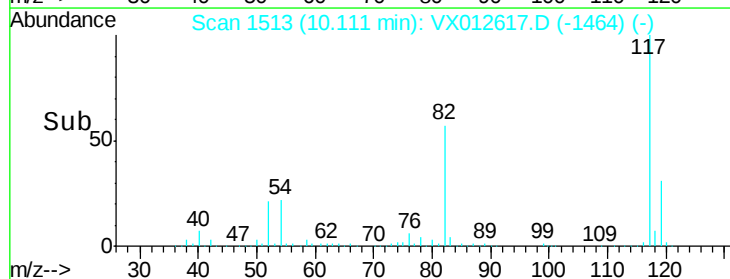
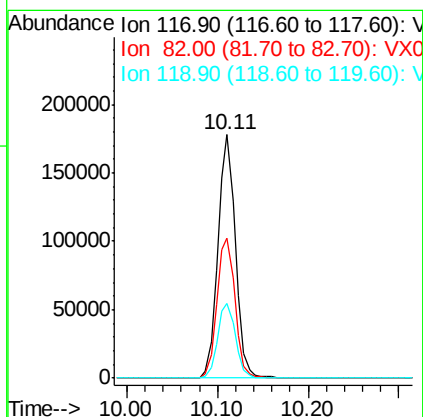
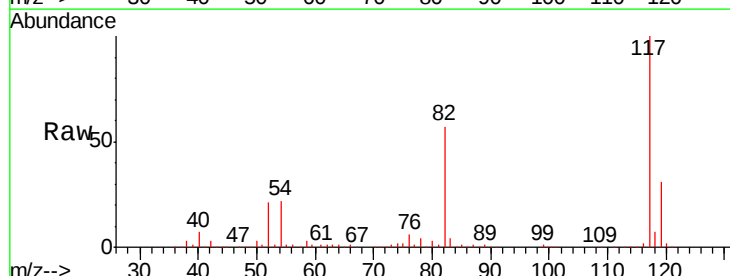
Instrument :
MSVOA_X
ClientSampleId :
MW2-R2-2

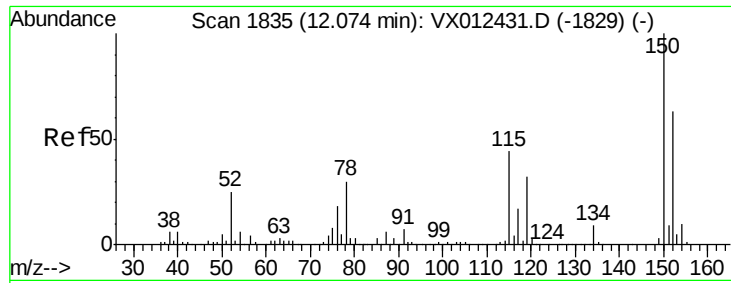
Tgt Ion: 95 Resp: 114263
Ion Ratio Lower Upper
95 100
174 66.7 0.0 140.0
176 63.3 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012617.D
Acq: 23 Sep 2019 20:14

Tgt Ion: 117 Resp: 240272
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 30.6 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

MW2-R2-2

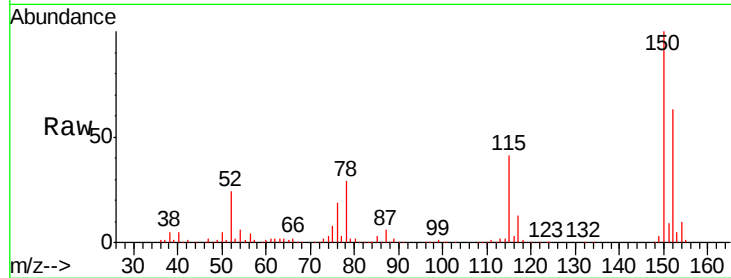
Tgt Ion:152 Resp: 88416

Ion Ratio Lower Upper

152 100

115 65.6 44.1 132.3

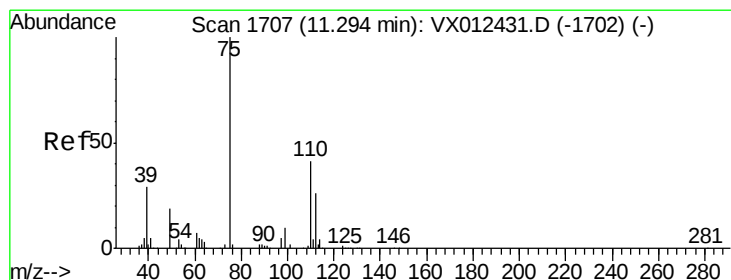
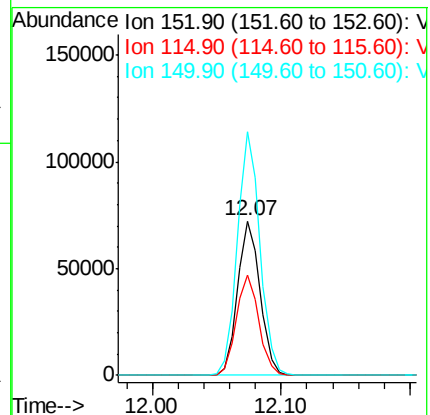
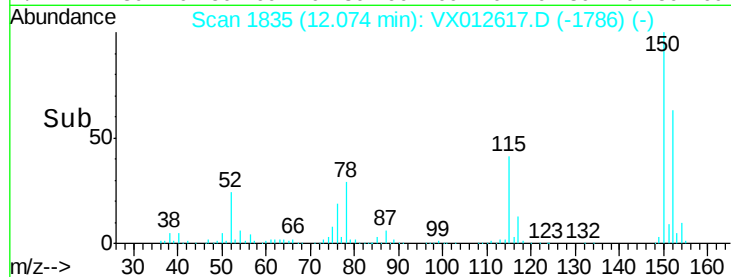
150 158.9 0.0 343.8



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: 25.065 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012617.D

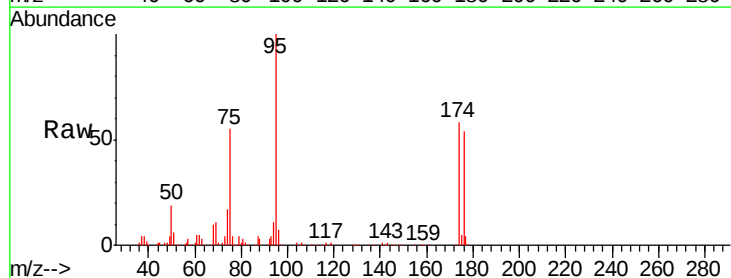
Acq: 23 Sep 2019 20:14

Tgt Ion: 75 Resp: 58622

Ion Ratio Lower Upper

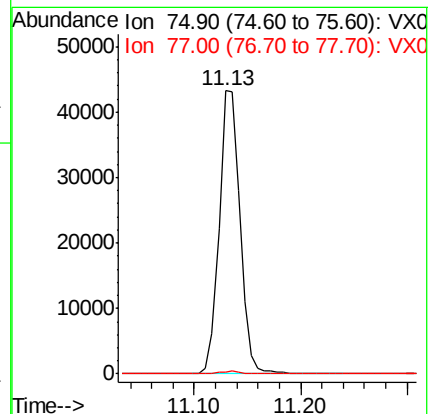
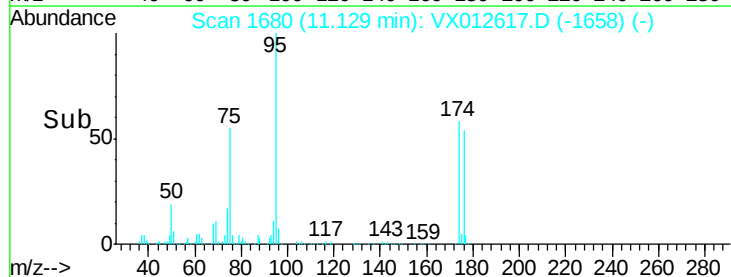
75 100

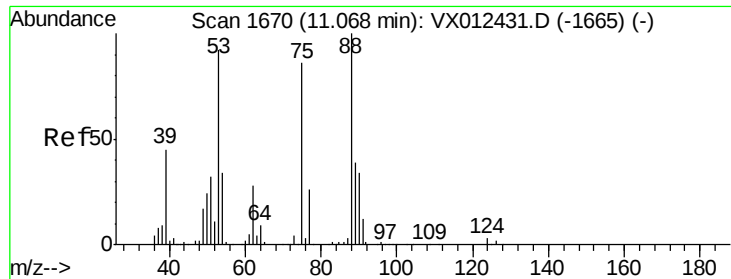
77 1.1 19.7 59.0#



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: 71.830 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012617.D

Acq: 23 Sep 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

MW2-R2-2

Tgt Ion: 75 Resp: 58622

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

