

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092619\
 Data File : VX012684.D
 Acq On : 26 Sep 2019 19:10
 Operator : JC/SP
 Sample : K5049-06DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

Quant Time: Sep 26 23:36:49 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	164520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93203	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119647	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	5.49	113	85314	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	8.71	98	339708	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.14	95	118560	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	

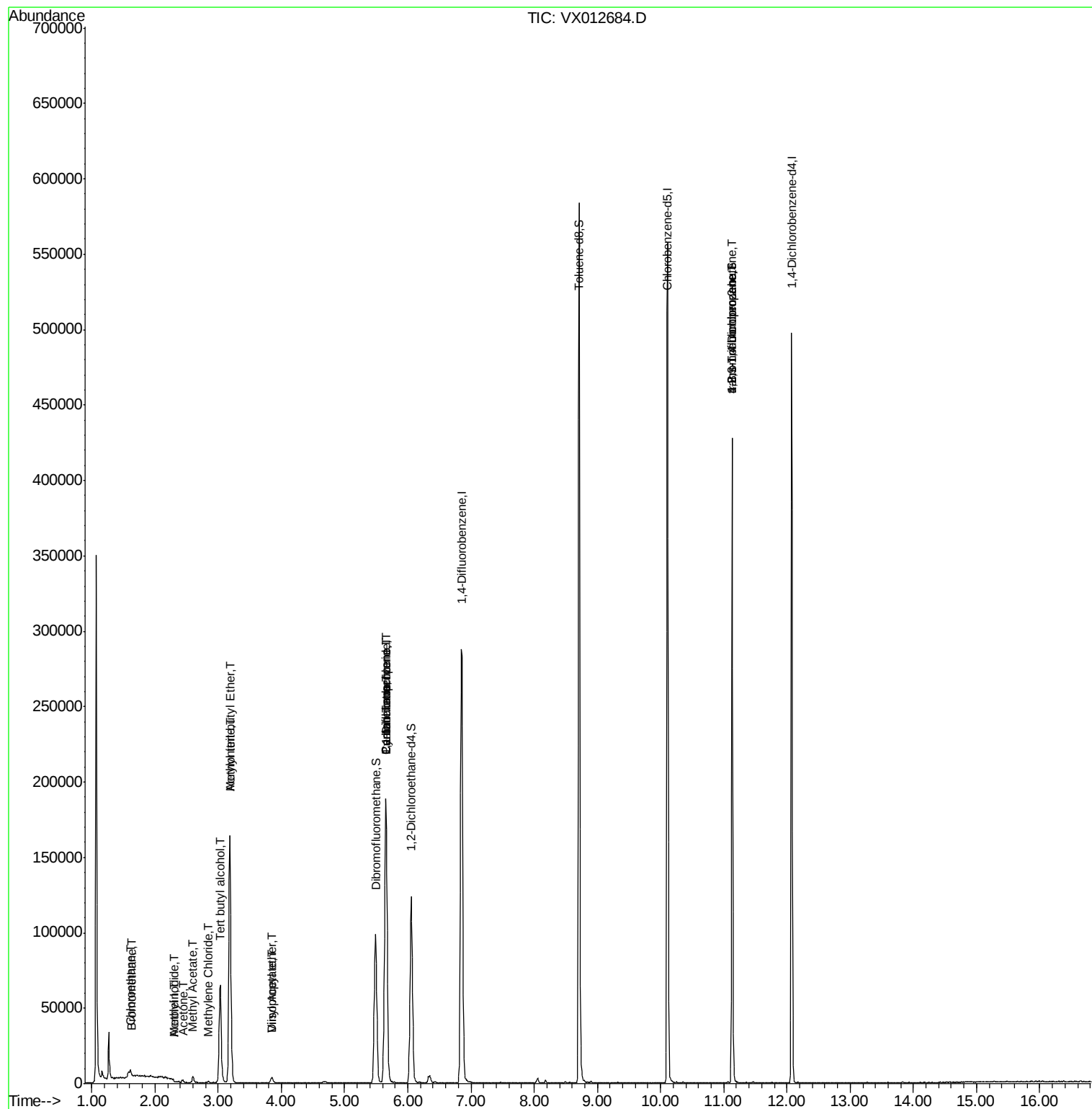
Target Compounds						Qvalue
5) Bromomethane	1.64	94	318	0.383	ug/l #	70
6) Chloroethane	1.62	64	606	0.426	ug/l #	73
10) Methyl Iodide	2.31	142	20	4.962	ug/l #	35
11) Tert butyl alcohol	3.03	59	80406	134.353	ug/l	98
13) Acrolein	2.30	56	49	10.374	ug/l #	53
15) Acrylonitrile	3.19	53	1956	1.611	ug/l #	20
16) Acetone	2.44	43	1762	1.389	ug/l	97
18) Methyl Acetate	2.60	43	1287	0.431	ug/l #	54
19) Methyl tert-butyl Ether	3.19	73	187320	27.977	ug/l	100
20) Methylene Chloride	2.84	84	543	0.253	ug/l	84
22) Diisopropyl ether	3.84	45	3682	0.543	ug/l #	77
23) Vinyl Acetate	3.85	43	2179	0.366	ug/l #	73
31) Cyclohexane	5.65	56	4292	1.287	ug/l #	8
36) 1,1-Dichloropropene	5.65	75	14889	5.336	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18902	6.669	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	62207	25.232	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62207	72.308	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

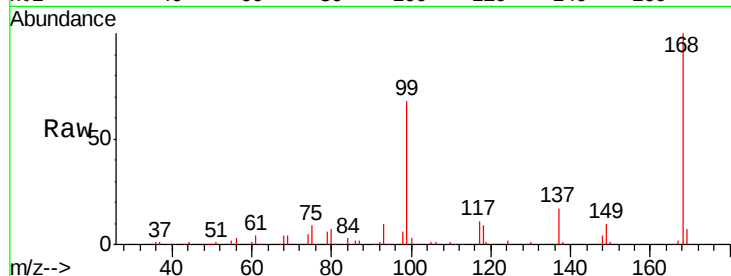
MW-7DL

Tgt Ion:168 Resp: 164520

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

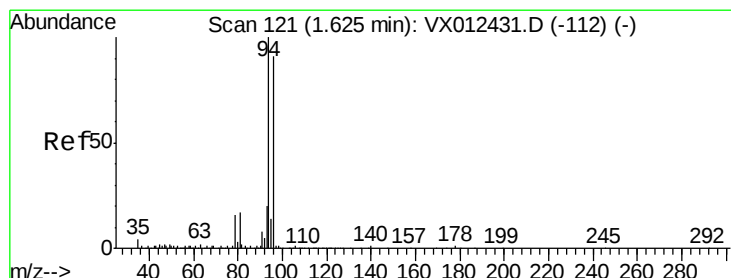
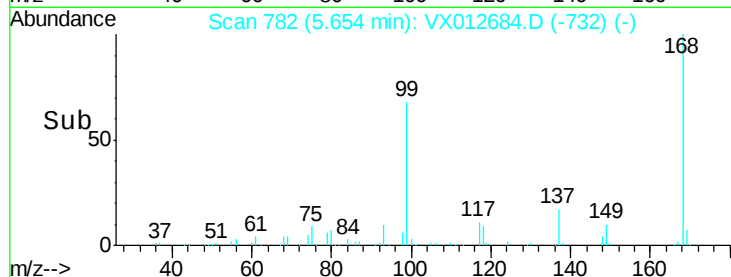
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.383 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012684.D

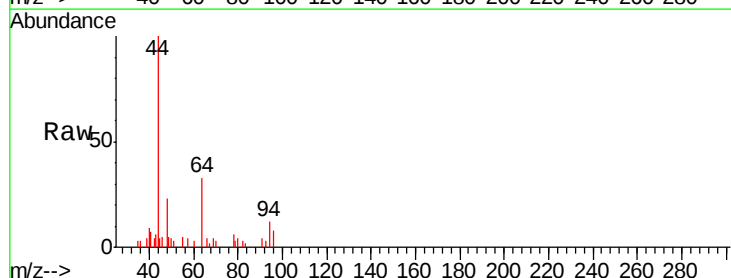
Acq: 26 Sep 2019 19:10

Tgt Ion: 94 Resp: 318

Ion Ratio Lower Upper

94 100

96 62.8 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

300

250

200

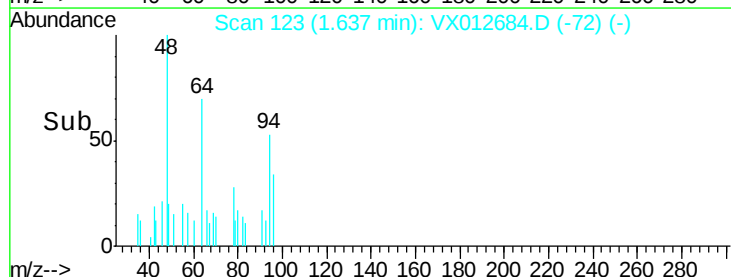
150

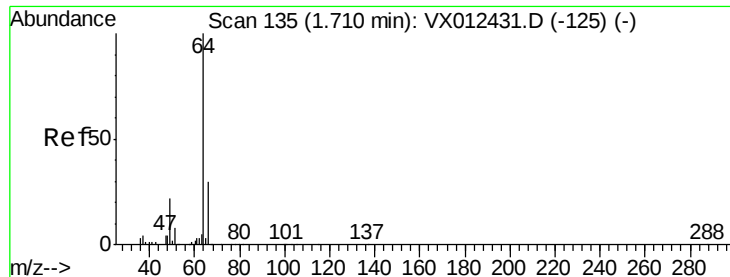
100

50

0

Time--> 1.60 1.62 1.64 1.66





#6

Chloroethane

Concen: 0.426 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.09 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

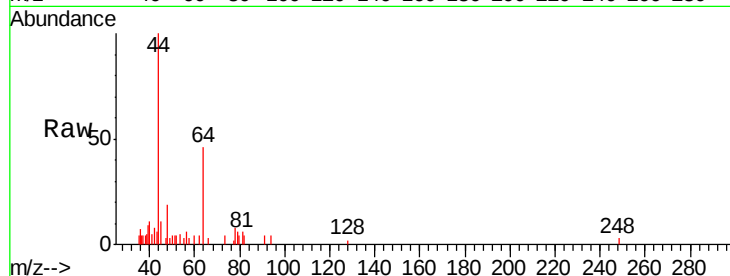
MW-7DL

Tgt Ion: 64 Resp: 606

Ion Ratio Lower Upper

64 100

66 15.4 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

1.64

1.62

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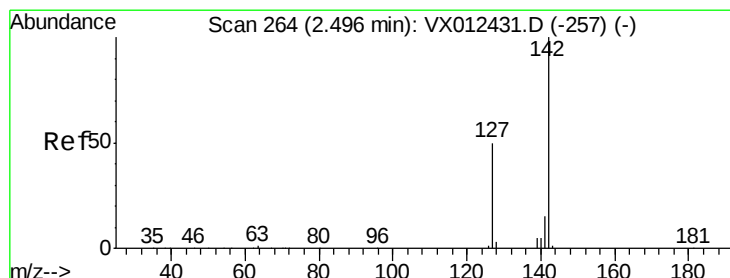
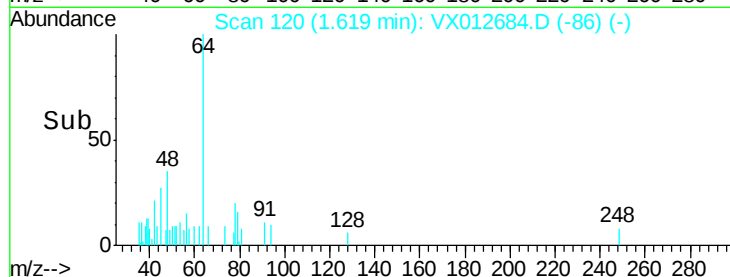
1.64

1.62

1.64

1.62

1.64



#10

Methyl Iodide

Concen: 4.962 ug/l

RT: 2.31 min Scan# 233

Delta R.T. -0.19 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

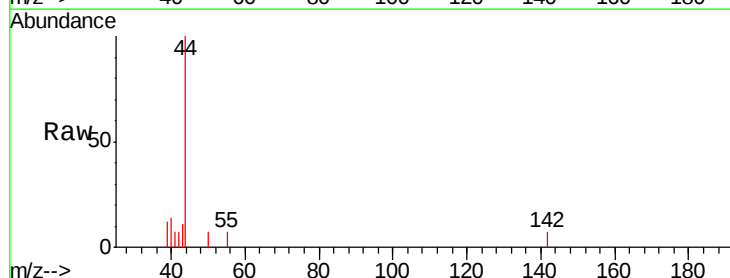
Tgt Ion: 142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.31

2.31

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2.31

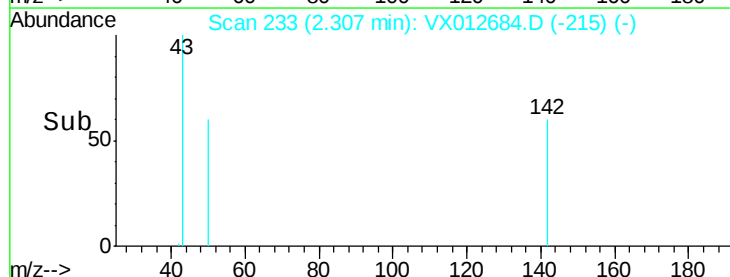
2.31

2.31

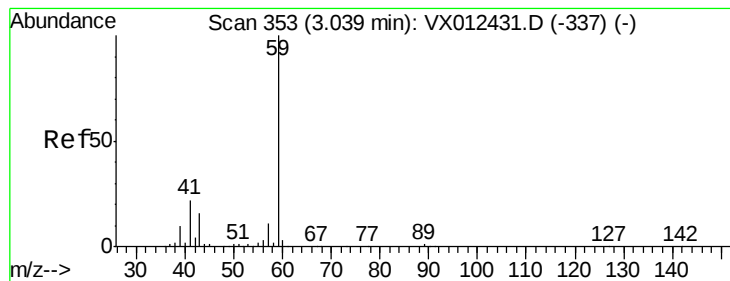
2.31

2.31

2.31



Time-->

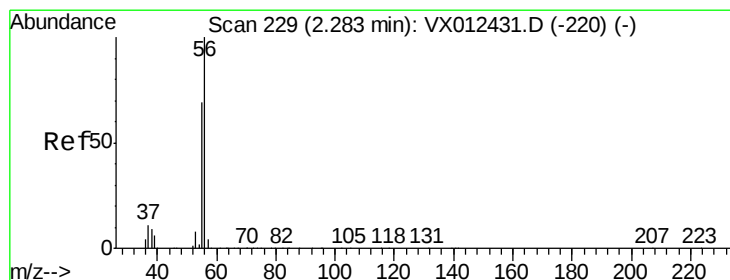
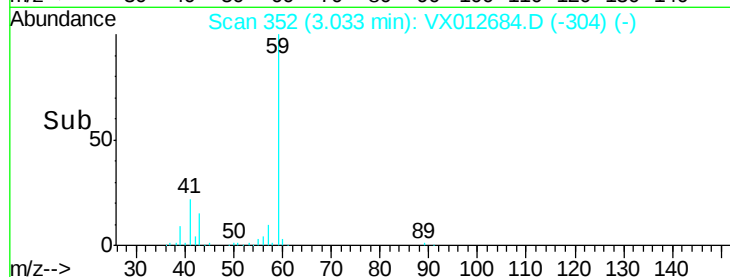
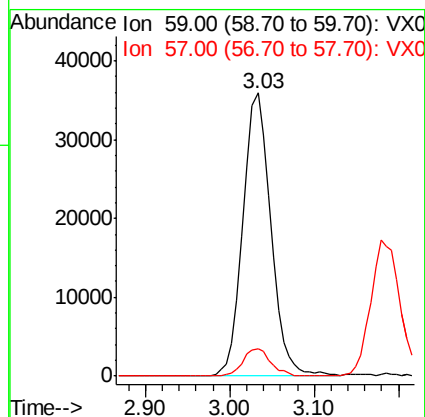
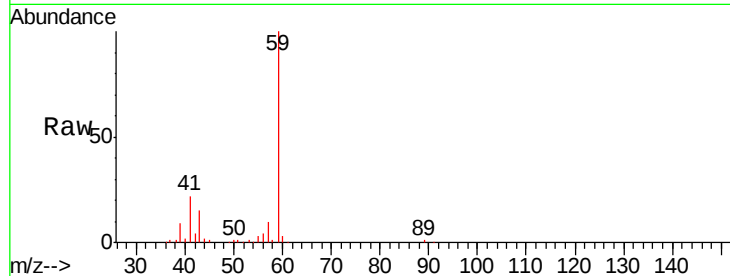


#11

Tert butyl alcohol
 Concen: 134.353 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012684.D
 Acq: 26 Sep 2019 19:10

Instrument :
 MSVOA_X
 ClientSampled :
 MW-7DL

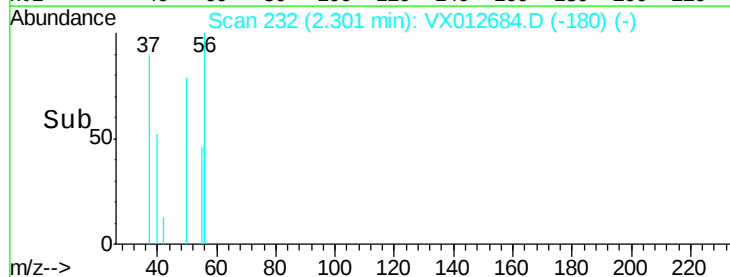
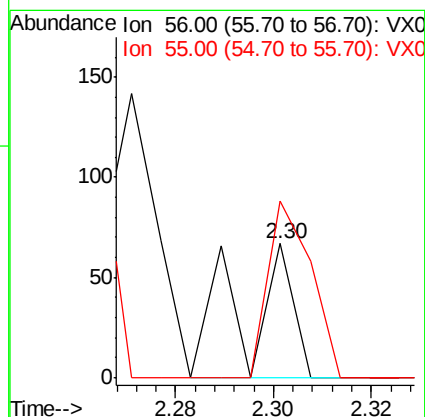
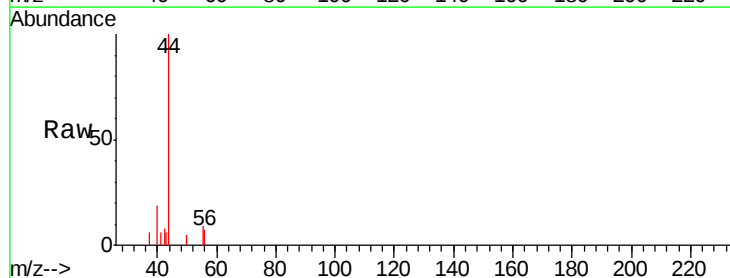
Tgt Ion: 59 Resp: 80406
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.3 12.5

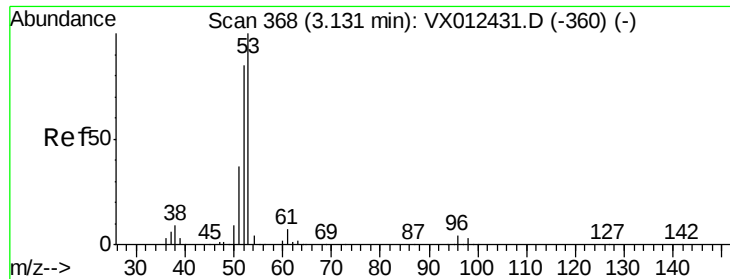


#13

Acrolein
 Concen: 10.374 ug/l
 RT: 2.30 min Scan# 232
 Delta R.T. 0.02 min
 Lab File: VX012684.D
 Acq: 26 Sep 2019 19:10

Tgt Ion: 56 Resp: 49
 Ion Ratio Lower Upper
 56 100
 55 108.2 55.8 83.8#





#15

Acrylonitrile

Concen: 1.611 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.05 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

Instrument :

MSVOA_X

ClientSampled :

MW-7DL

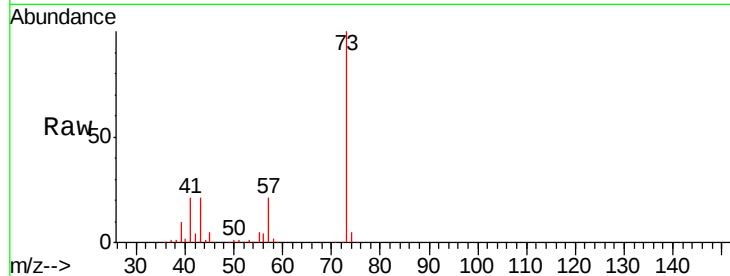
Tgt Ion: 53 Resp: 1956

Ion Ratio Lower Upper

53 100

52 11.7 67.0 100.4#

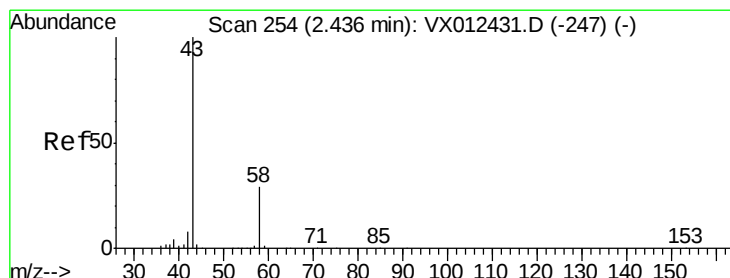
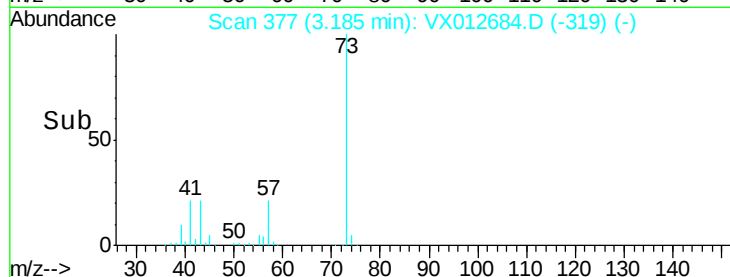
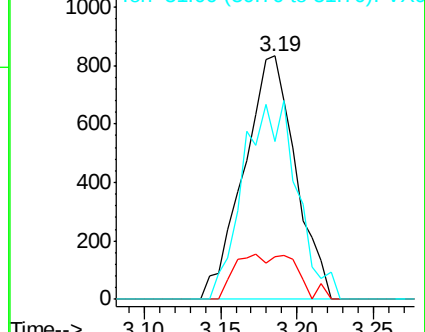
51 84.8 29.6 44.4#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.389 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012684.D

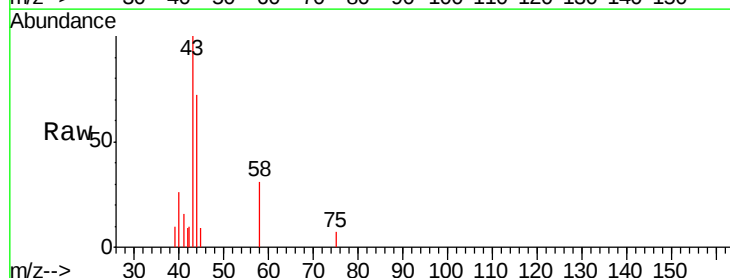
Acq: 26 Sep 2019 19:10

Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

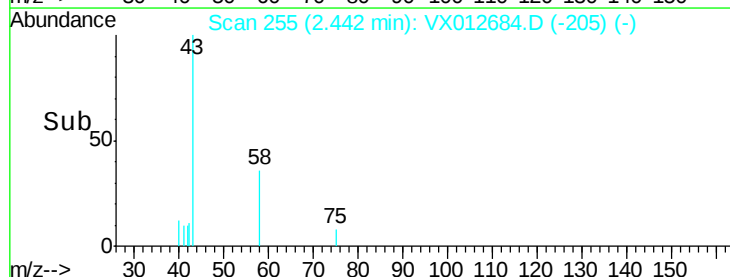
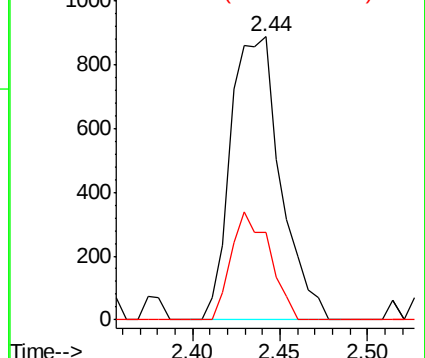
43 100

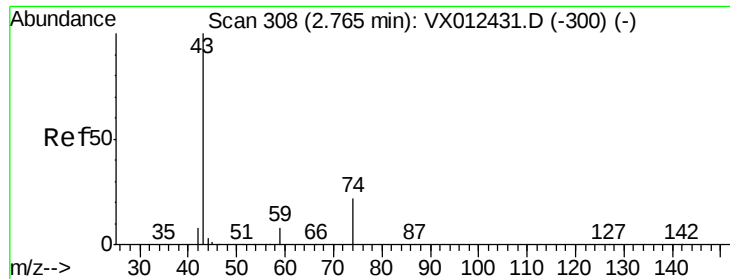
58 30.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

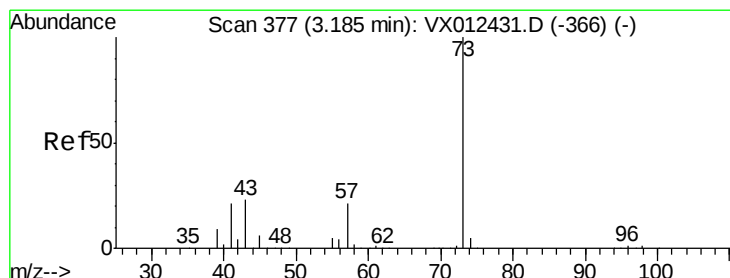
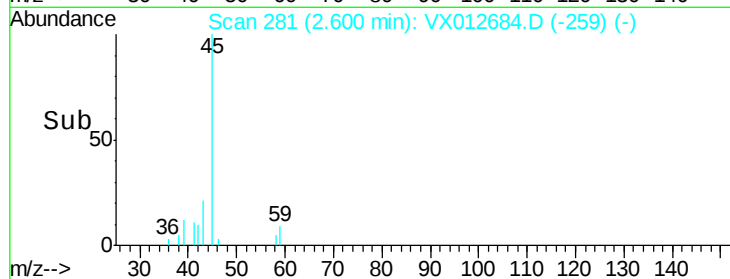
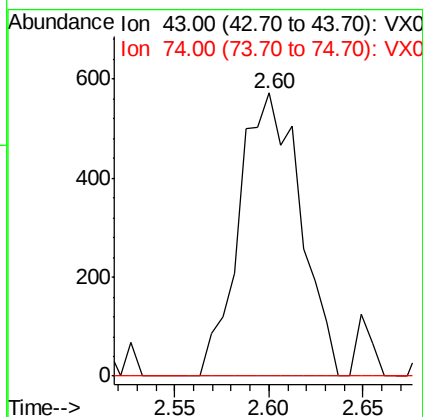
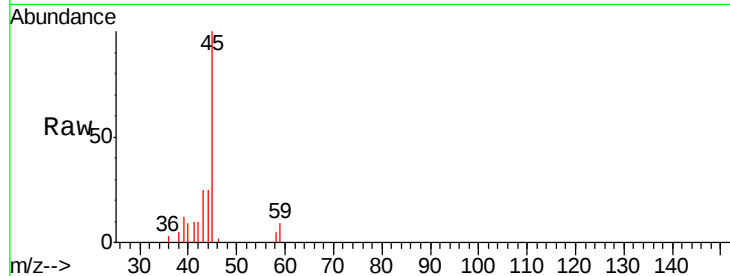




#18
Methyl Acetate
Concen: 0.431 ug/l
RT: 2.60 min Scan# 281
Delta R.T. -0.16 min
Lab File: VX012684.D
Acq: 26 Sep 2019 19:10

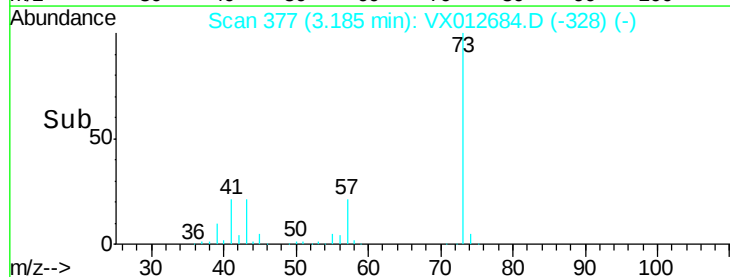
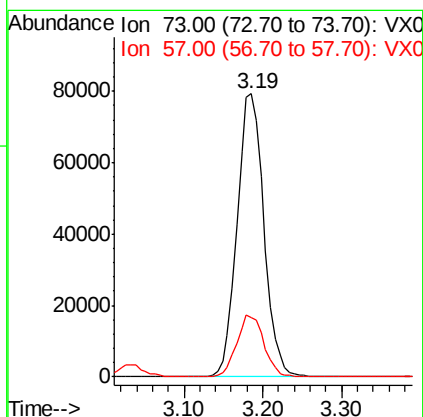
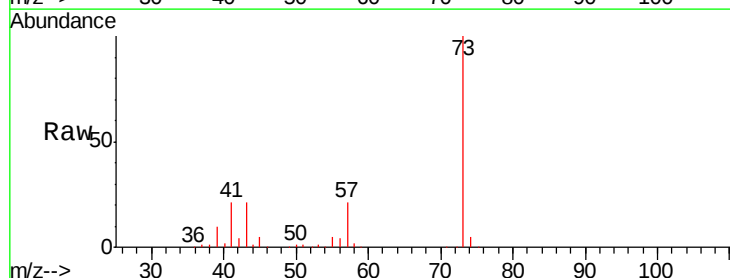
Instrument :
MSVOA_X
ClientSampled :
MW-7DL

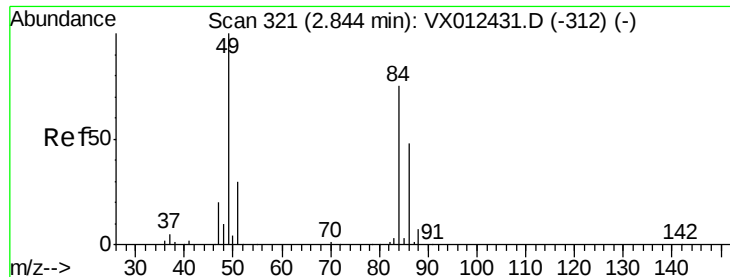
Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#19
Methyl tert-butyl Ether
Concen: 27.977 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012684.D
Acq: 26 Sep 2019 19:10

Tgt Ion: 73 Resp: 187320
Ion Ratio Lower Upper
73 100
57 20.9 16.8 25.2

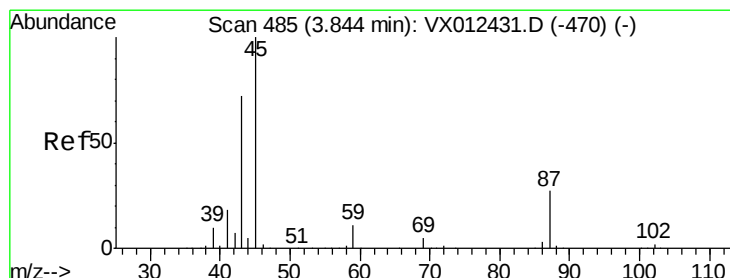
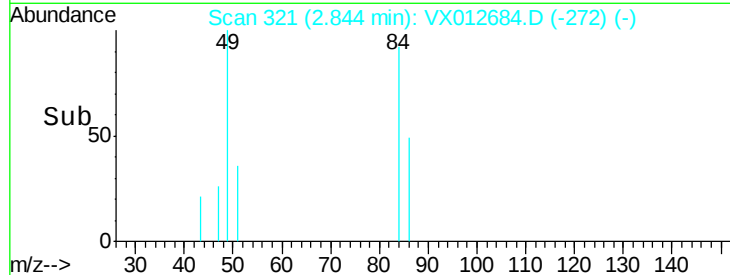
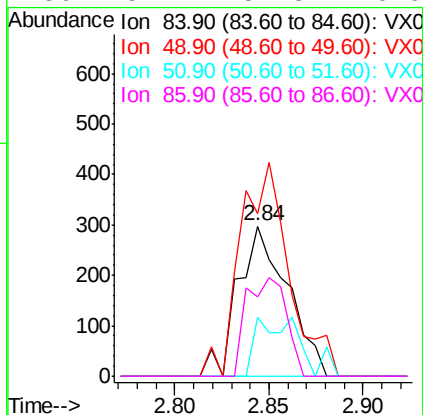
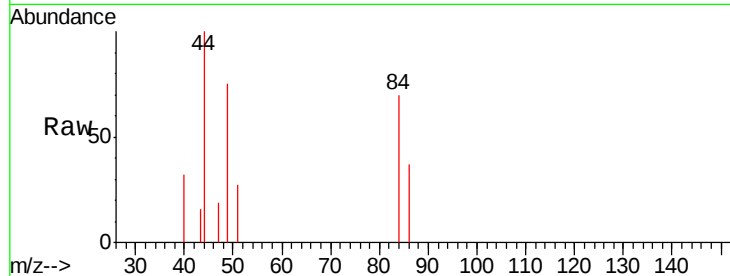




#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012684.D
Acq: 26 Sep 2019 19:10

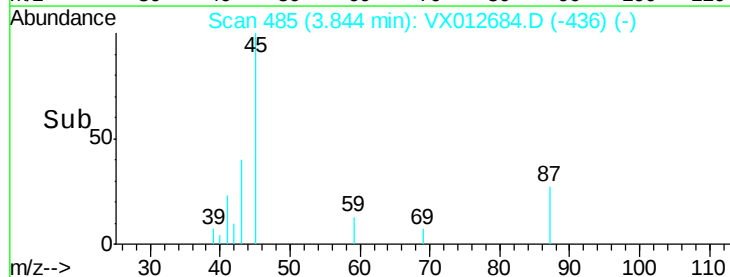
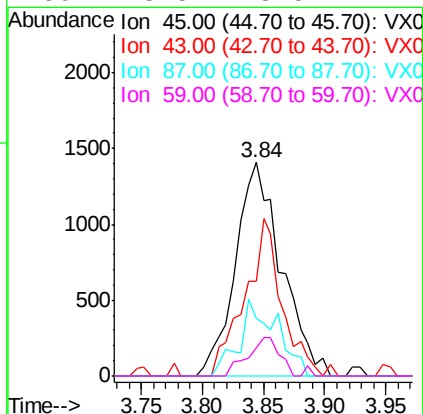
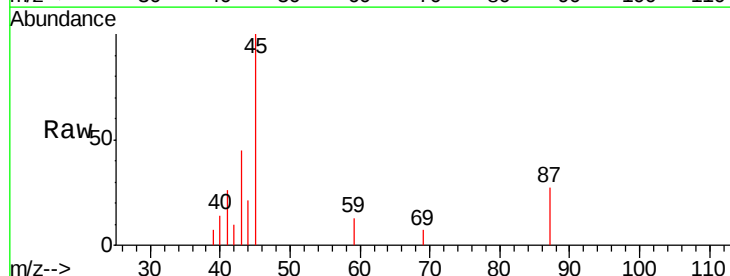
Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

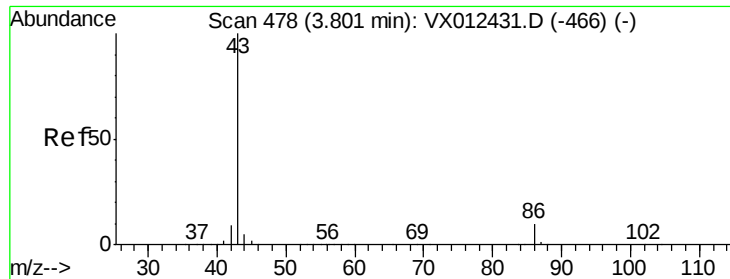
Tgt Ion: 84 Resp: 543
Ion Ratio Lower Upper
84 100
49 108.4 106.8 160.2
51 39.3 32.3 48.5
86 52.7 51.3 76.9



#22
Diisopropyl ether
Concen: 0.543 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX012684.D
Acq: 26 Sep 2019 19:10

Tgt Ion: 45 Resp: 3682
Ion Ratio Lower Upper
45 100
43 44.6 57.8 86.8#
87 27.0 21.3 31.9
59 13.5 8.5 12.7#





#23

Vinyl Acetate

Concen: 0.366 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.05 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

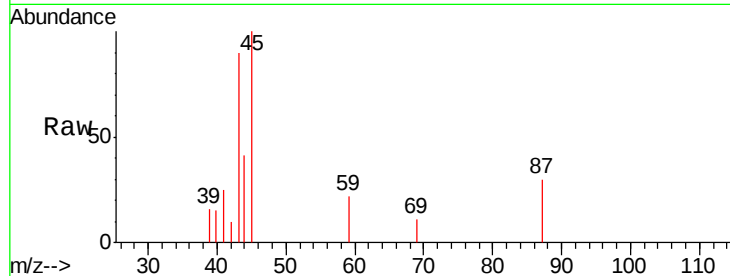
MW-7DL

Tgt Ion: 43 Resp: 2179

Ion Ratio Lower Upper

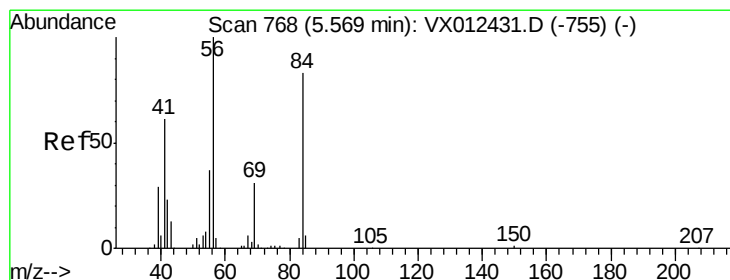
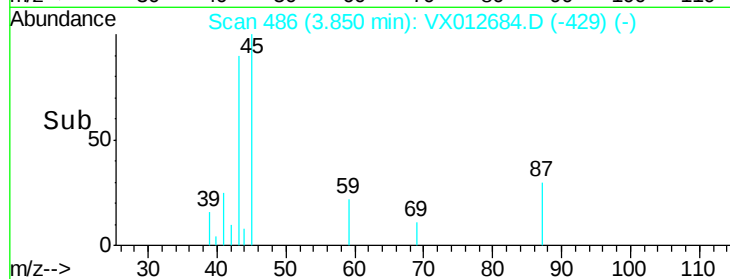
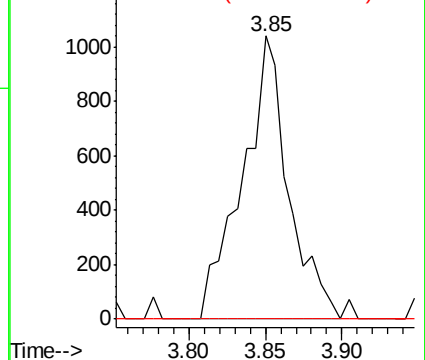
43 100

86 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

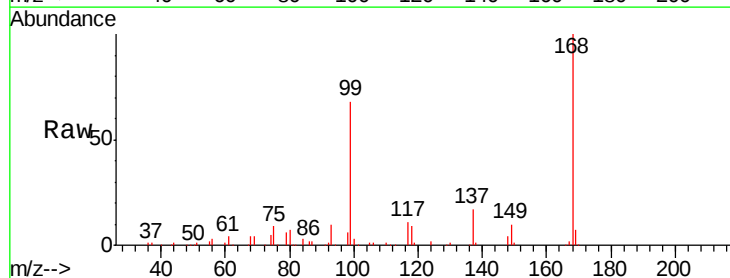
Tgt Ion: 56 Resp: 4292

Ion Ratio Lower Upper

56 100

69 166.5 25.0 37.6#

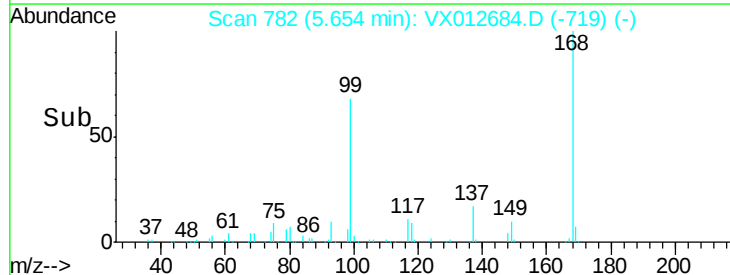
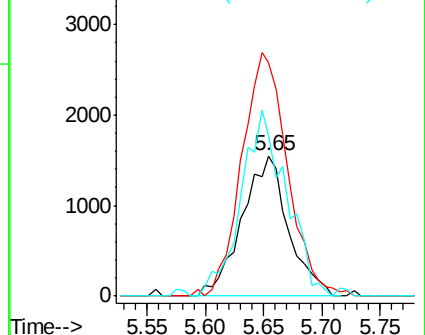
84 114.2 66.4 99.6#

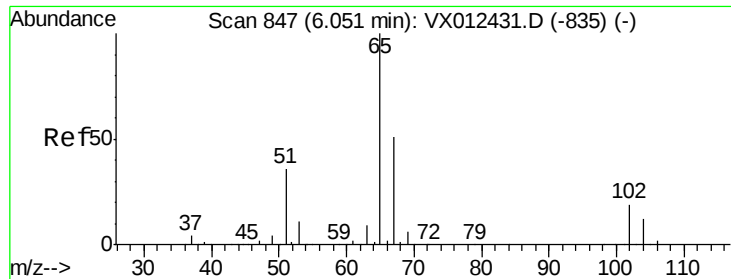


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

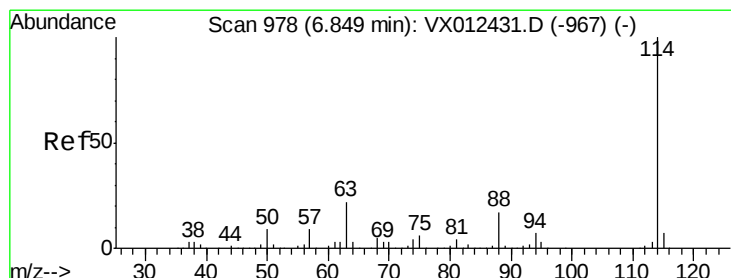
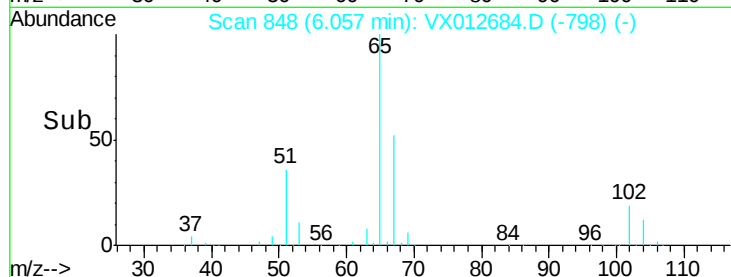
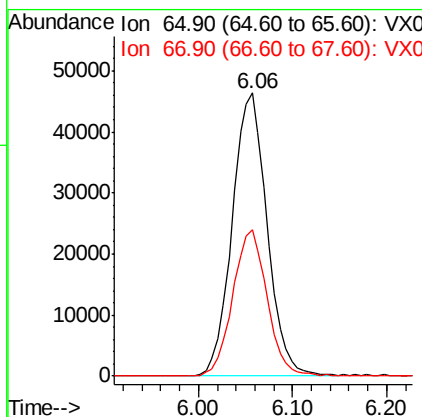
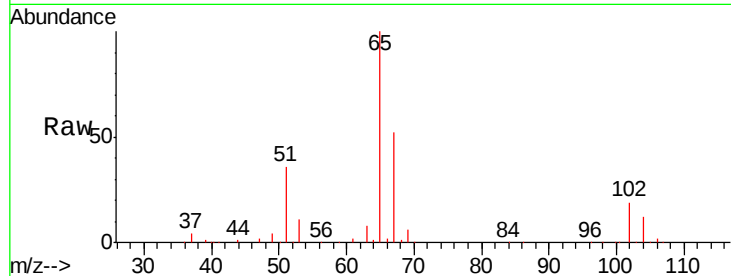




#33
 1,2-Dichloroethane-d4
 Concen: 49.942 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012684.D
 Acq: 26 Sep 2019 19:10

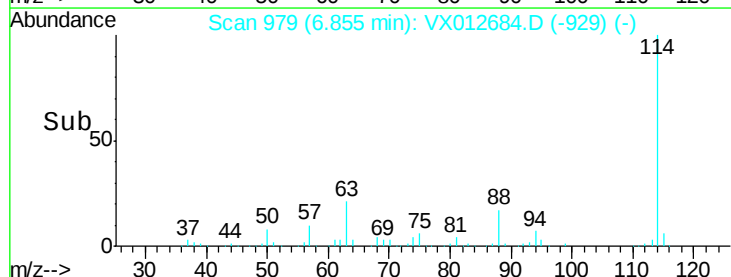
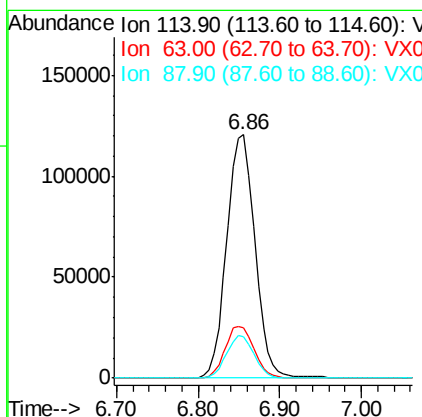
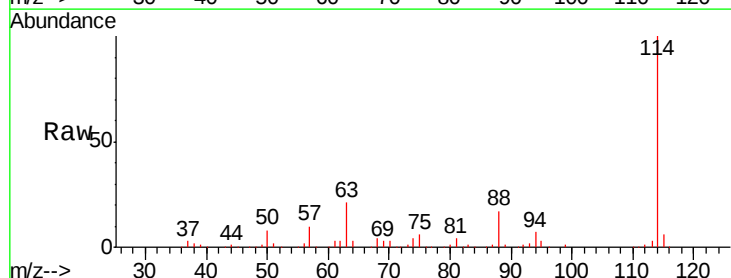
Instrument :
 MSVOA_X
 ClientSampled :
 MW-7DL

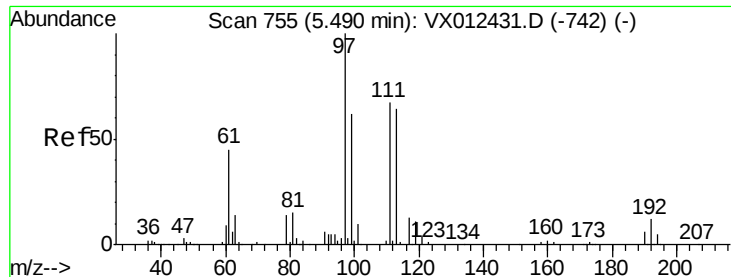
Tgt Ion: 65 Resp: 119647
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012684.D
 Acq: 26 Sep 2019 19:10

Tgt Ion: 114 Resp: 289480
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 16.8 0.0 33.2

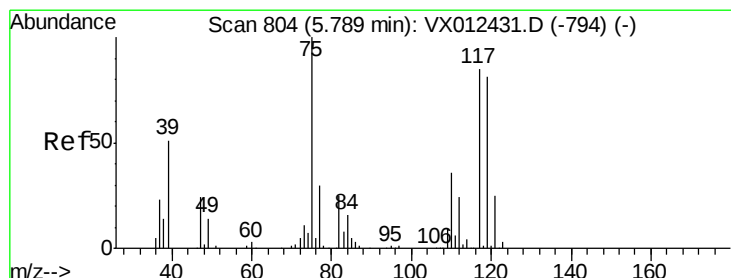
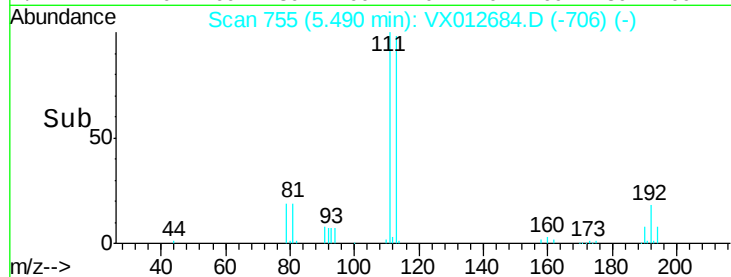
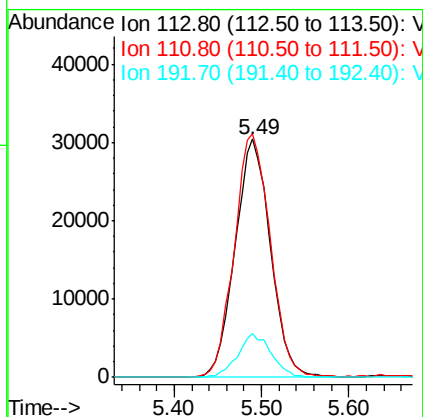
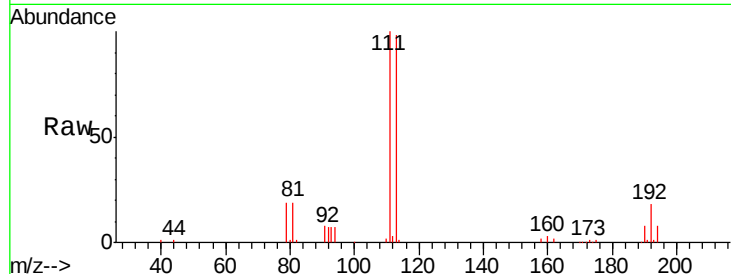




#35
 Dibromofluoromethane
 Concen: 49.487 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012684.D
 Acq: 26 Sep 2019 19:10

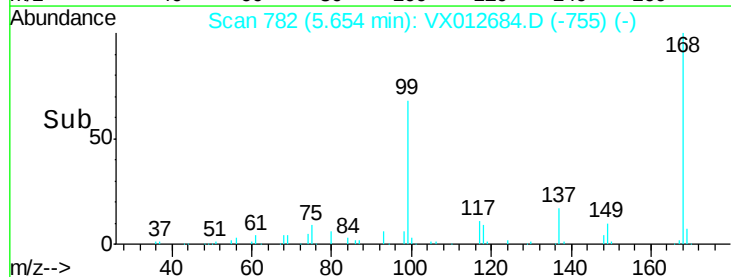
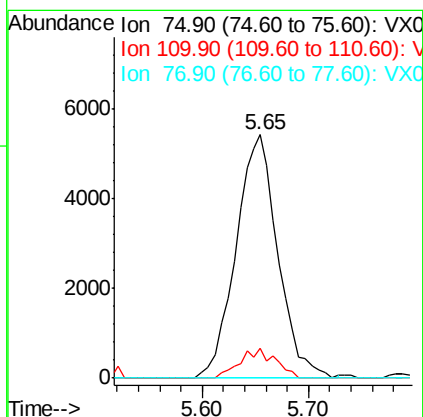
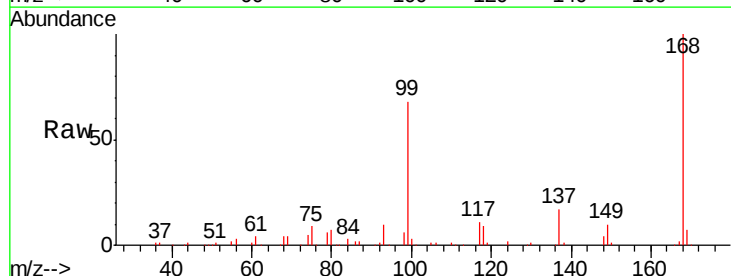
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7DL

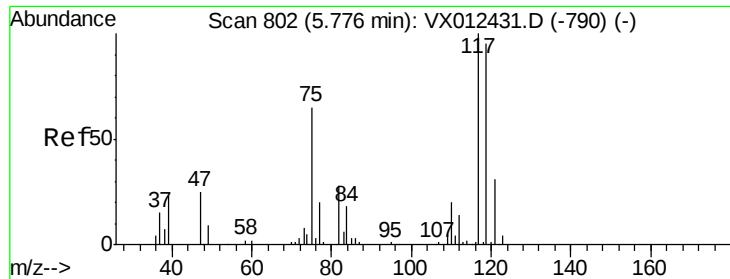
Tgt Ion:113 Resp: 85314
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.4 125.2
 192 17.6 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.336 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012684.D
 Acq: 26 Sep 2019 19:10

Tgt Ion: 75 Resp: 14889
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.7 50.0#
 77 0.0 24.2 36.2#

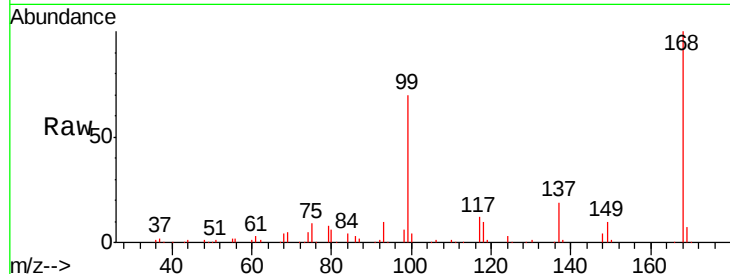




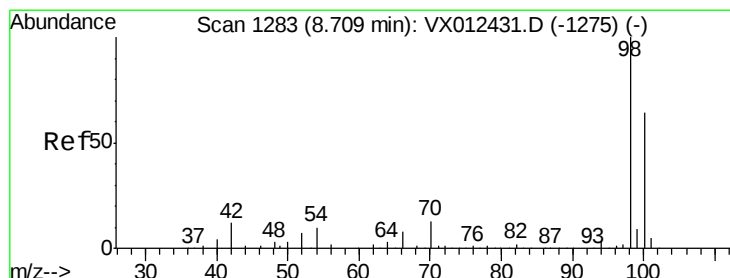
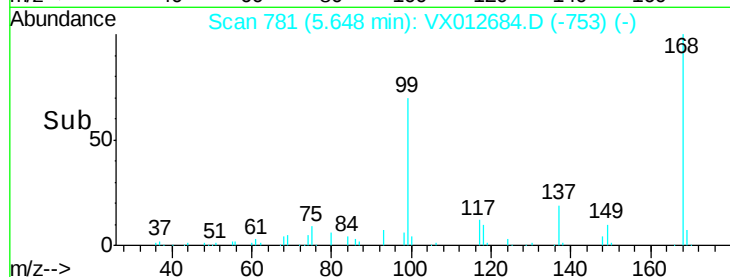
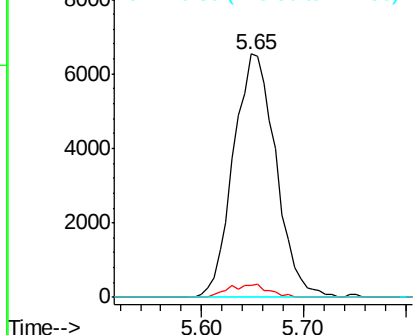
#38
Carbon Tetrachloride
Concen: 6.669 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012684.D
Acq: 26 Sep 2019 19:10

Instrument :
MSVOA_X
ClientSampleId :
MW-7DL

Tgt Ion:117 Resp: 18902
Ion Ratio Lower Upper
117 100
119 4.8 75.7 113.5#
121 0.0 24.2 36.4#

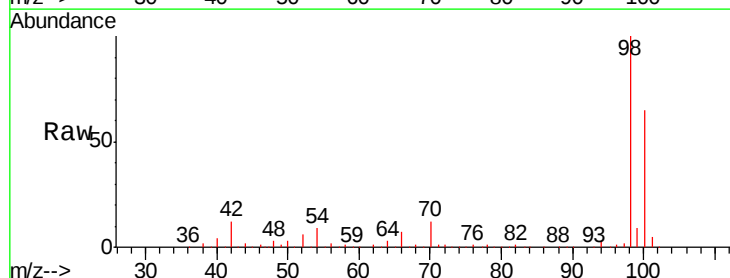


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

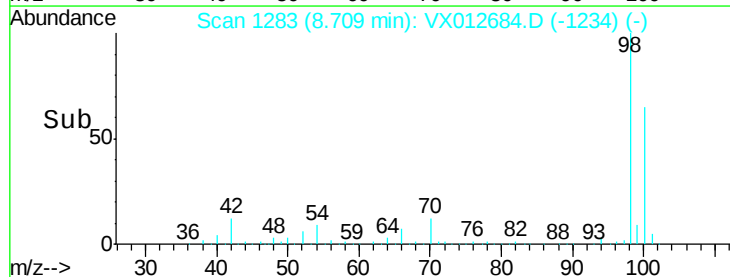
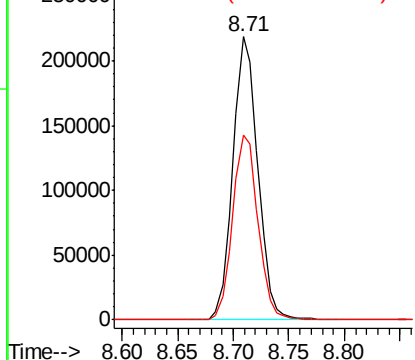


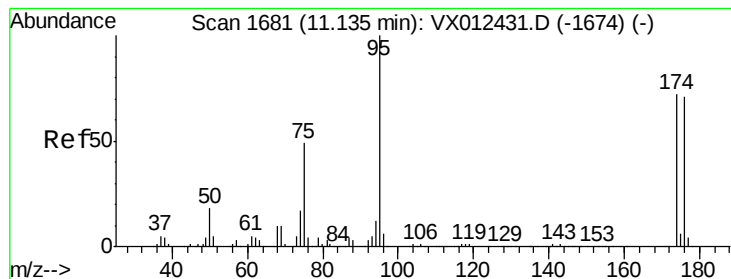
#50
Toluene-d8
Concen: 51.167 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012684.D
Acq: 26 Sep 2019 19:10

Tgt Ion: 98 Resp: 339708
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.416 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

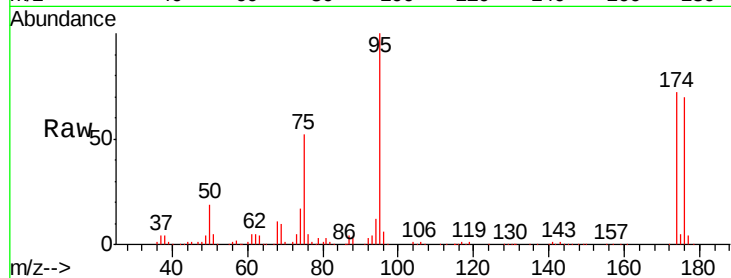
Tgt Ion: 95 Resp: 118560

Ion Ratio Lower Upper

95 100

174 68.1 0.0 140.0

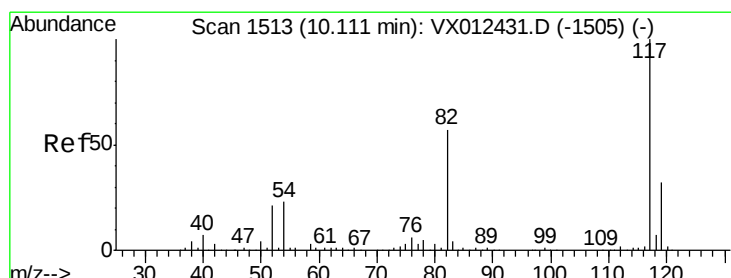
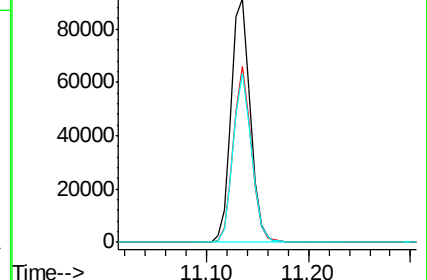
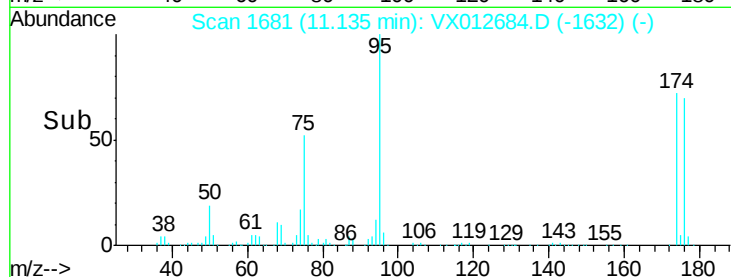
176 66.2 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012684.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012684.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012684.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

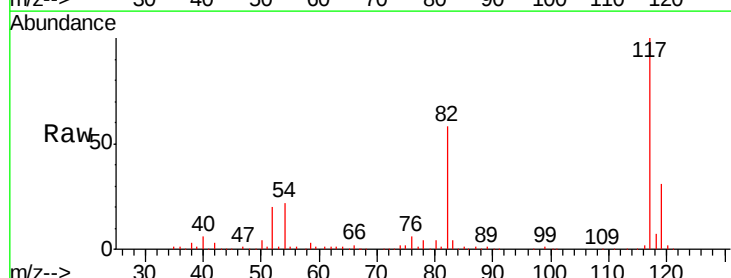
Tgt Ion: 117 Resp: 246102

Ion Ratio Lower Upper

117 100

82 58.1 45.9 68.9

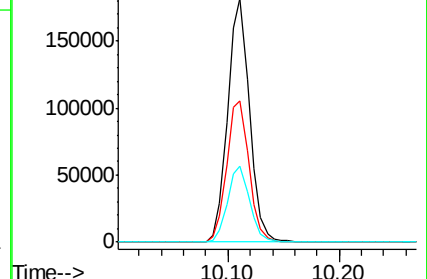
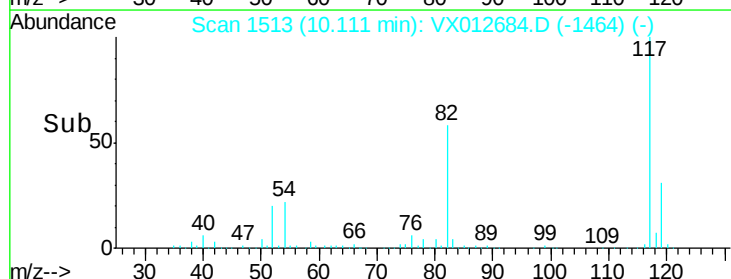
119 31.4 25.3 37.9

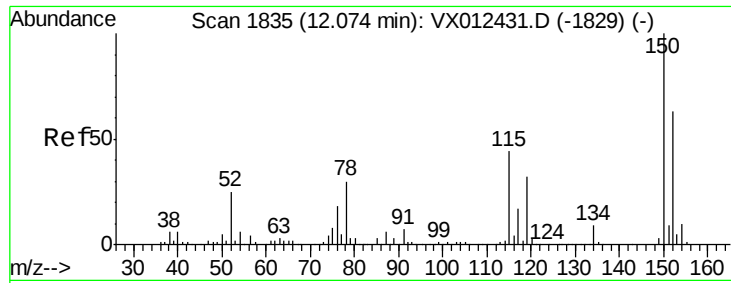


Abundance Ion 116.90 (116.60 to 117.60): VX012684.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012684.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012684.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

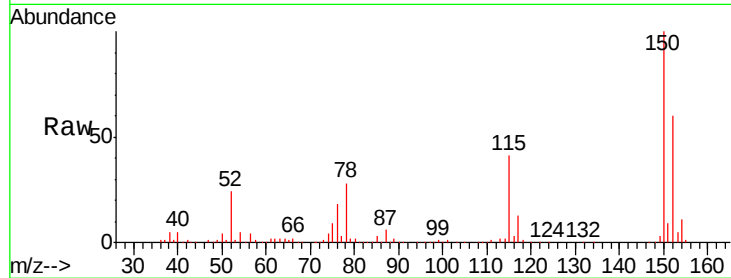
Tgt Ion:152 Resp: 93203

Ion Ratio Lower Upper

152 100

115 68.0 44.1 132.3

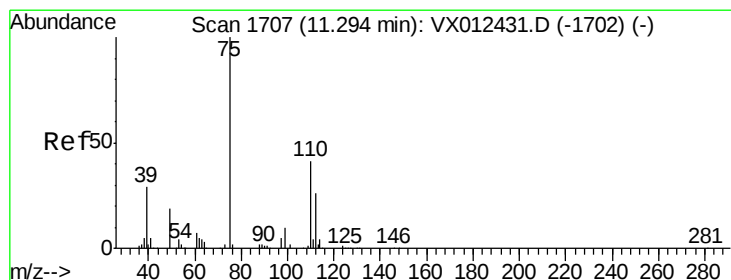
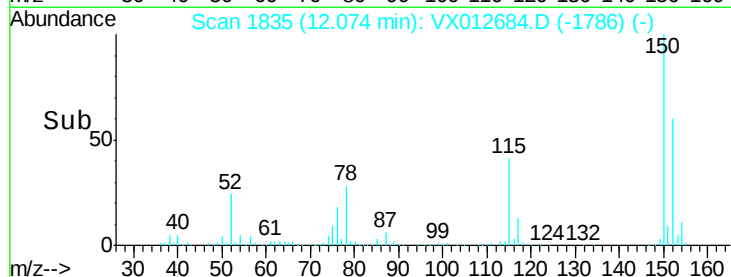
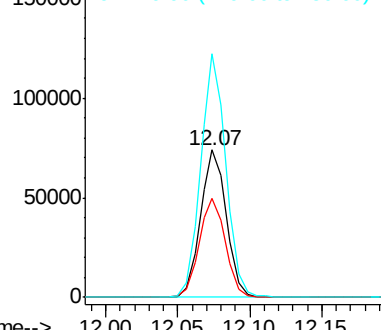
150 160.6 0.0 343.8



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: 25.232 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012684.D

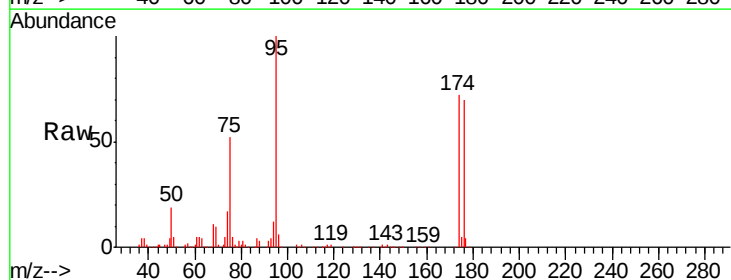
Acq: 26 Sep 2019 19:10

Tgt Ion: 75 Resp: 62207

Ion Ratio Lower Upper

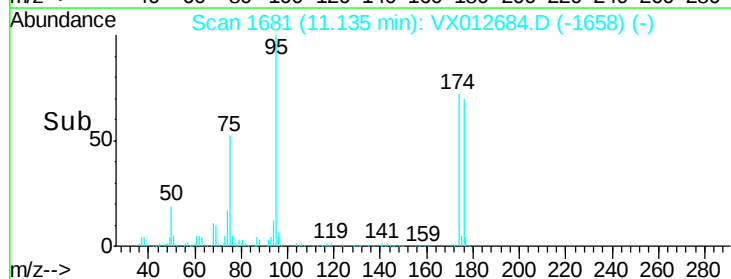
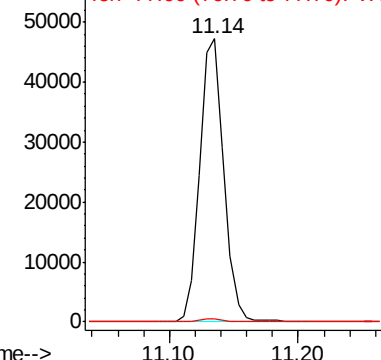
75 100

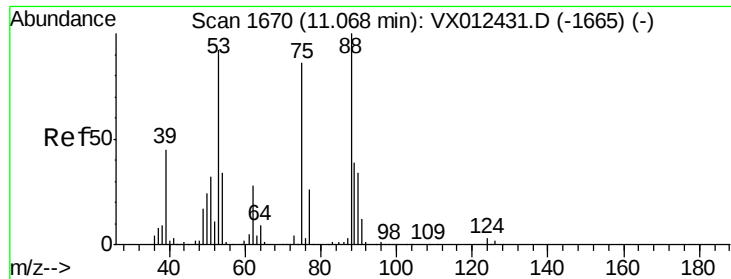
77 1.0 19.7 59.0#



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: 72.308 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012684.D

Acq: 26 Sep 2019 19:10

Instrument :

MSVOA_X

ClientSampleId :

MW-7DL

Tgt Ion: 75 Resp: 62207

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

