

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012910.D
 Acq On : 09 Oct 2019 00:26
 Operator : JC/SP
 Sample : K5190-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW10S-20191002

Quant Time: Oct 09 03:46:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	187498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	315034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	275146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109488	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	122969	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
35) Dibromofluoromethane	5.49	113	93681	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	8.71	98	370809	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	131306	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	

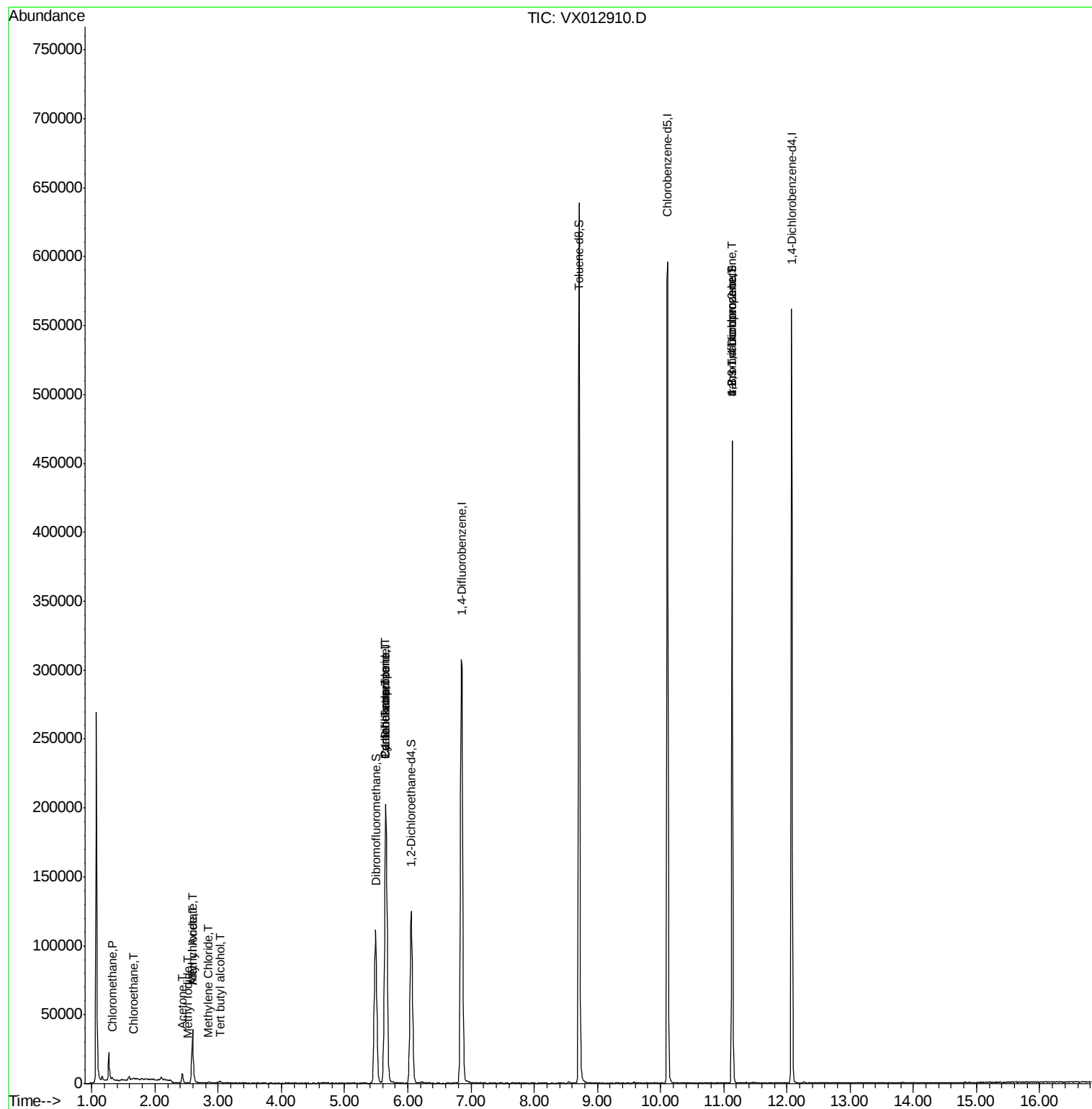
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1038	0.499	ug/l	97
6) Chloroethane	1.66	64	290	0.587	ug/l #	43
10) Methyl Iodide	2.51	142	190	5.162	ug/l #	75
11) Tert butyl alcohol	3.03	59	1442	2.321	ug/l #	76
14) Allyl chloride	2.59	41	3936	1.166	ug/l #	63
16) Acetone	2.43	43	7066	5.720	ug/l	95
18) Methyl Acetate	2.59	43	10246	3.499	ug/l #	51
20) Methylene Chloride	2.84	84	476	0.210	ug/l #	54
31) Cyclohexane	5.65	56	3929	1.155	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15089	5.448	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18866	6.998	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	66160	27.244	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	66160	68.419	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

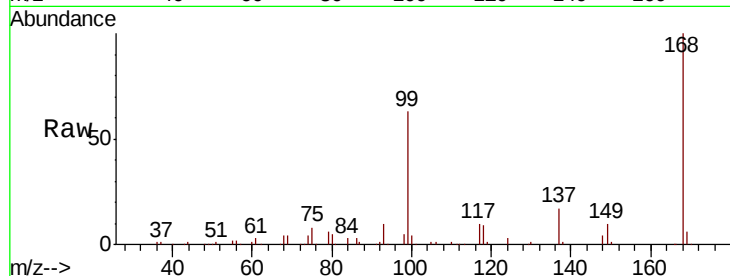
FC-MW10S-20191002

Tot Ion:168 Resp: 187498

Ion Ratio Lower Upper

168 100

99 63.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

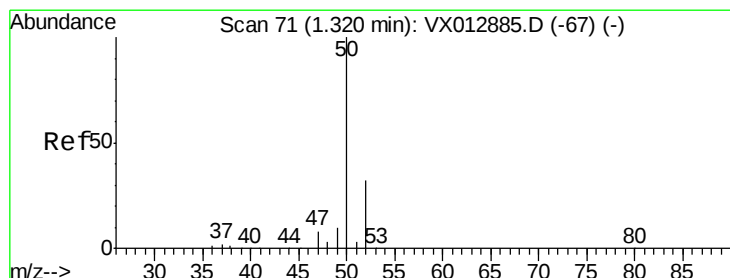
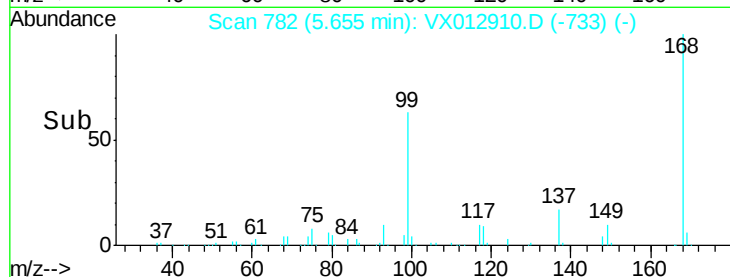
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.499 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012910.D

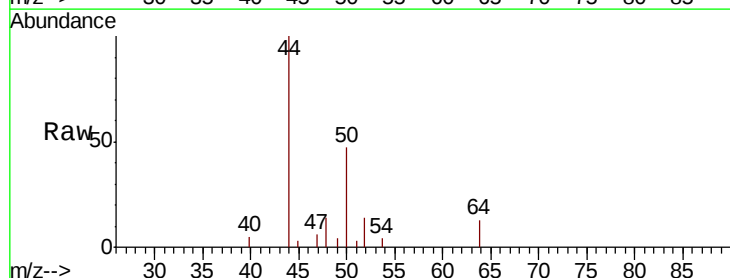
Acq: 09 Oct 2019 00:26

Tgt Ion: 50 Resp: 1038

Ion Ratio Lower Upper

50 100

52 29.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

600

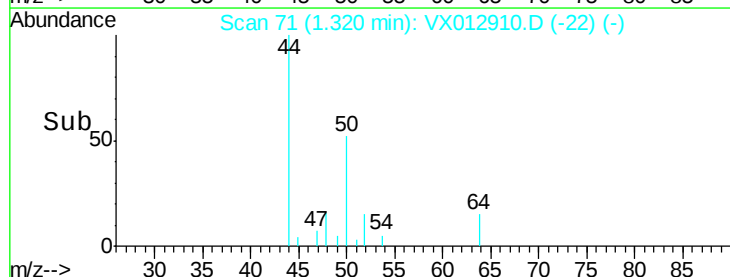
400

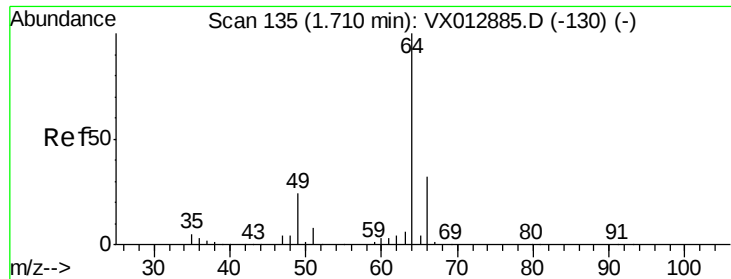
200

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 0.587 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

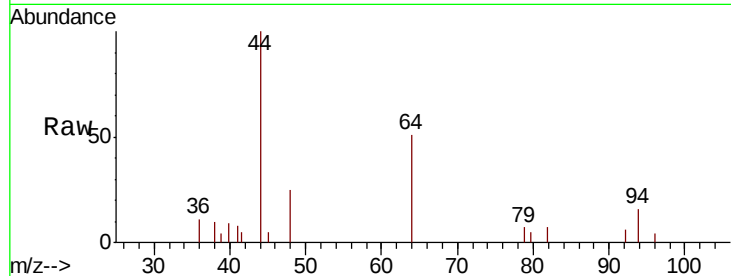
FC-MW10S-20191002

Tot Ion: 64 Resp: 290

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

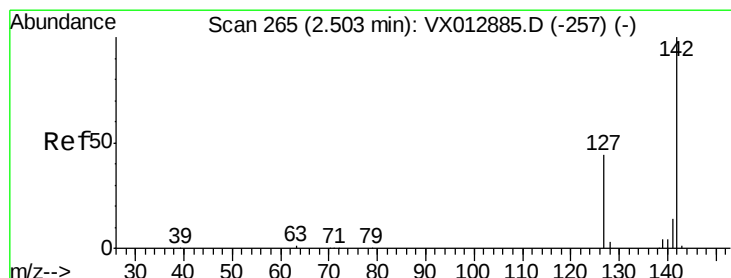
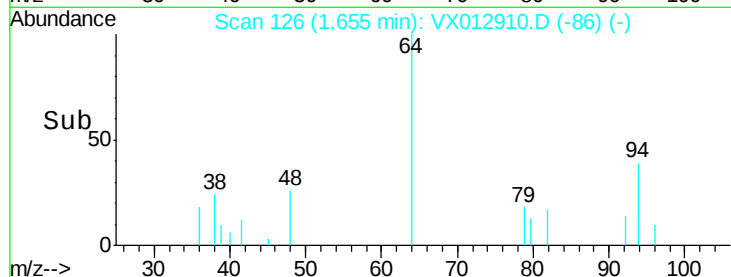
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 5.162 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

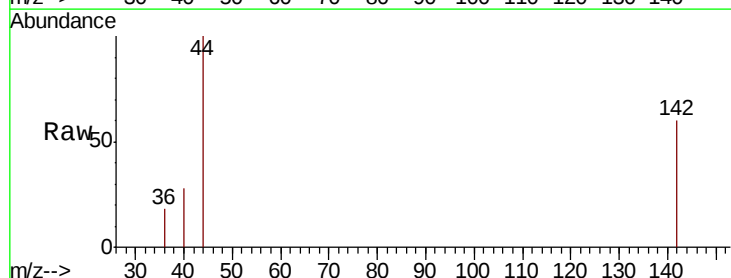
Tgt Ion: 142 Resp: 190

Ion Ratio Lower Upper

142 100

127 29.5 34.9 52.3#

141 0.0 11.6 17.4#



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

2.51

200

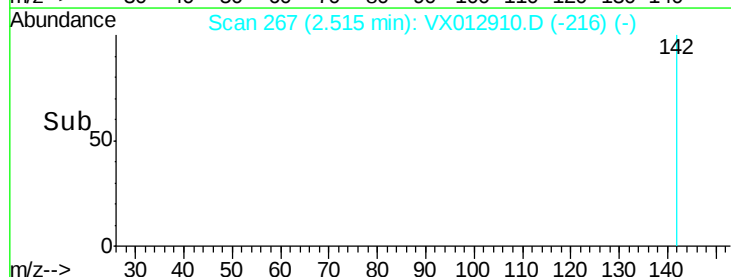
150

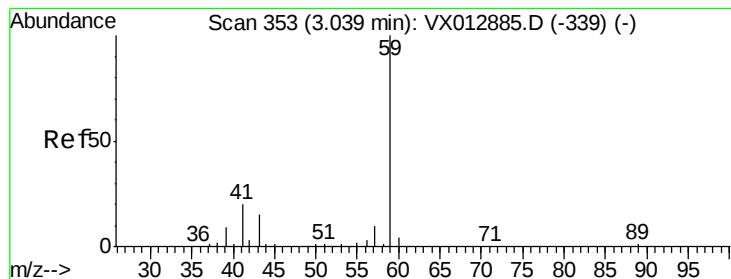
100

50

0

Time-->



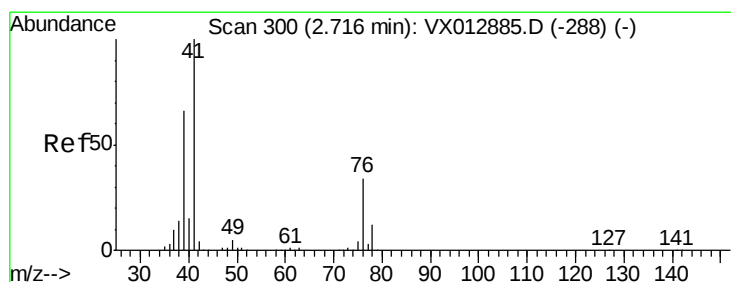
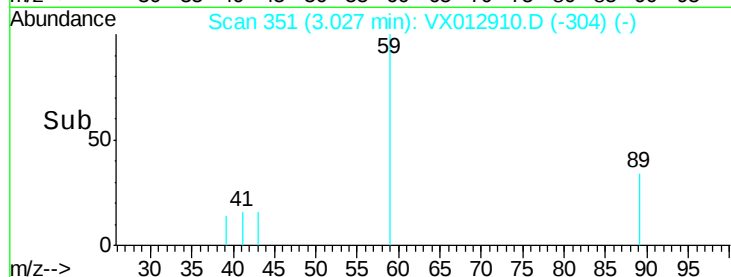
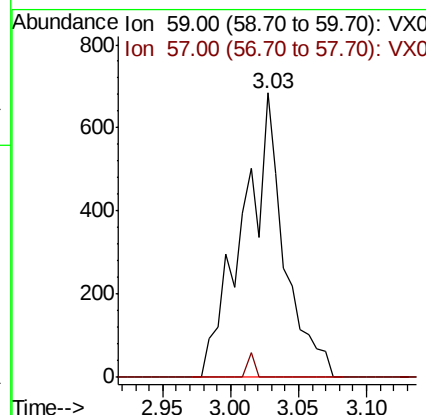
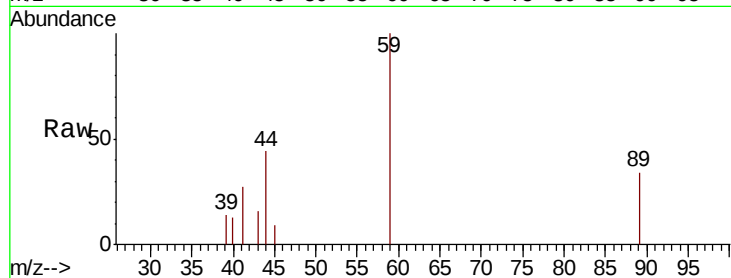


#11

Tert butyl alcohol
 Concen: 2.321 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012910.D
 Acq: 09 Oct 2019 00:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW10S-20191002

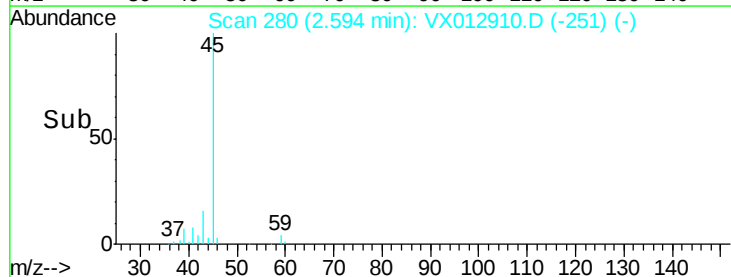
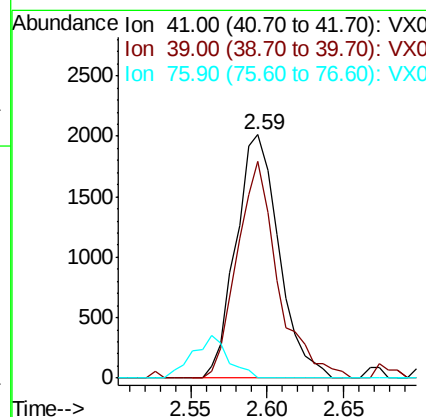
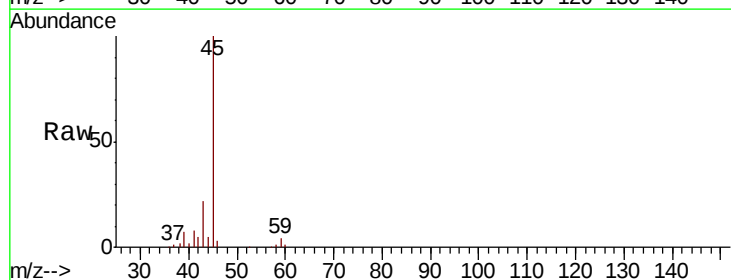
Tot Ion: 59 Resp: 1442
 Ion Ratio Lower Upper
 59 100
 57 1.5 8.3 12.5#

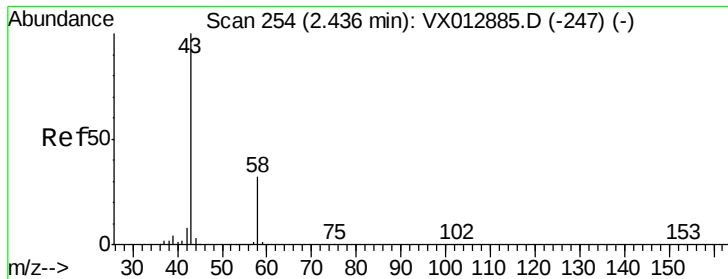


#14

Allyl chloride
 Concen: 1.166 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012910.D
 Acq: 09 Oct 2019 00:26

Tgt Ion: 41 Resp: 3936
 Ion Ratio Lower Upper
 41 100
 39 84.5 51.0 76.6#
 76 0.0 26.2 39.4#





#16

Acetone

Concen: 5.720 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

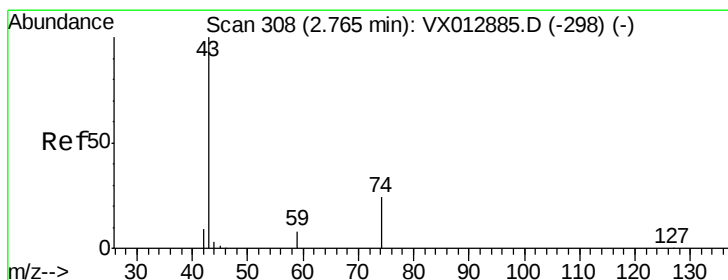
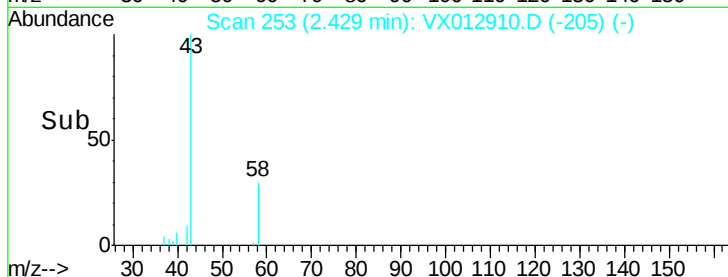
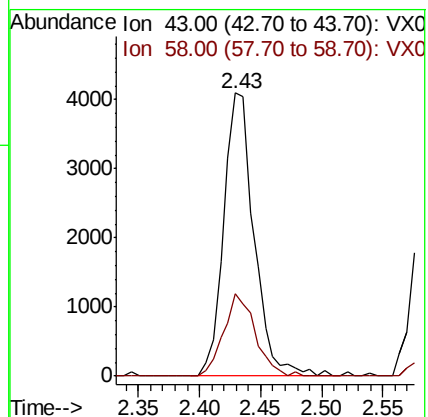
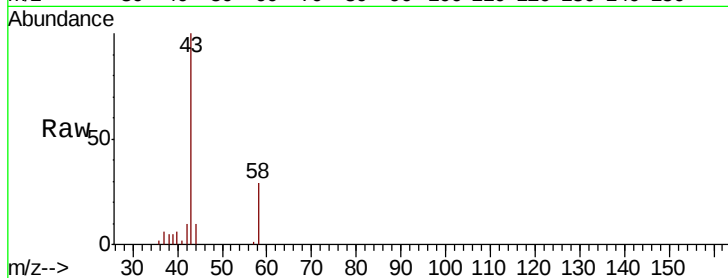
FC-MW10S-20191002

Tot Ion: 43 Resp: 7066

Ion Ratio Lower Upper

43 100

58 28.9 25.4 38.2



#18

Methyl Acetate

Concen: 3.499 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012910.D

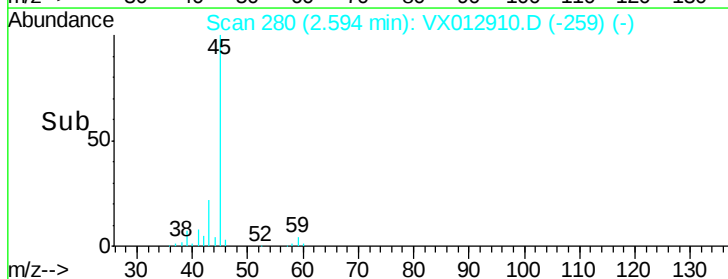
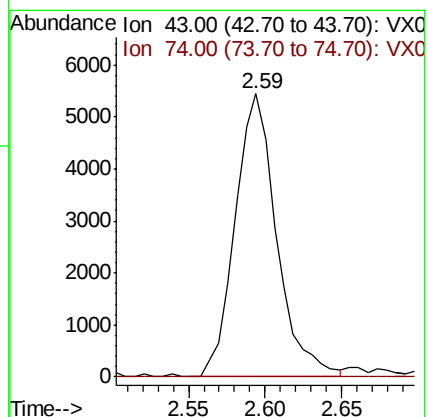
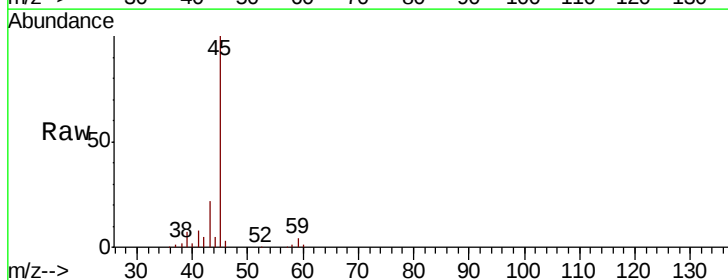
Acq: 09 Oct 2019 00:26

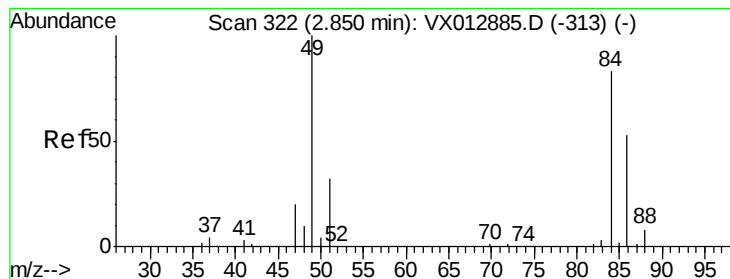
Tgt Ion: 43 Resp: 10246

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#20

Methvlene Chloride

Concen: 0.210 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10S-20191002

Tot Ion: 84 Resp: 476

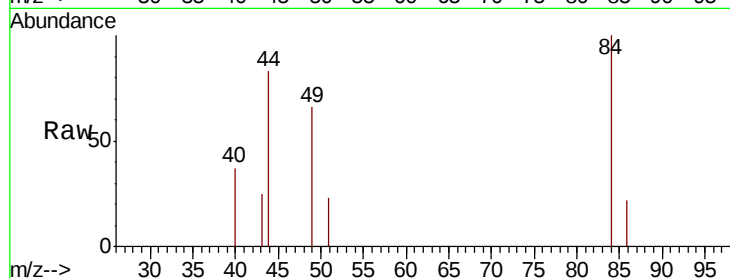
Ion Ratio Lower Upper

84 100

49 65.8 96.6 144.8#

51 23.3 30.7 46.1#

86 22.3 51.0 76.6#



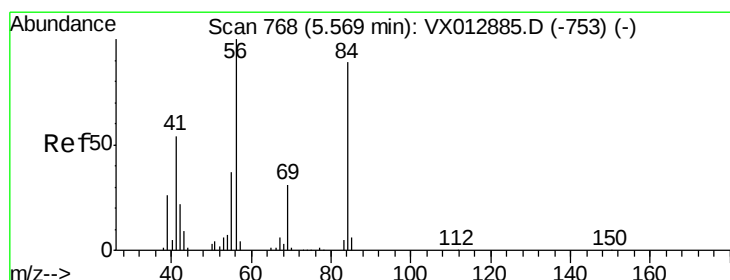
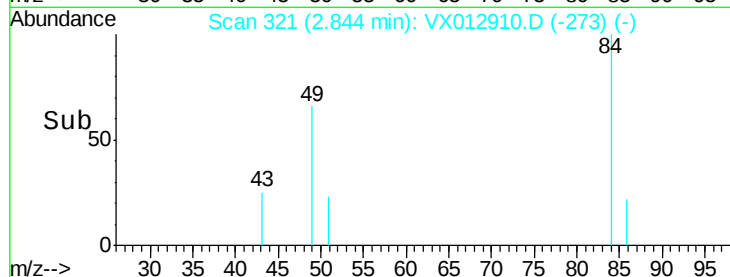
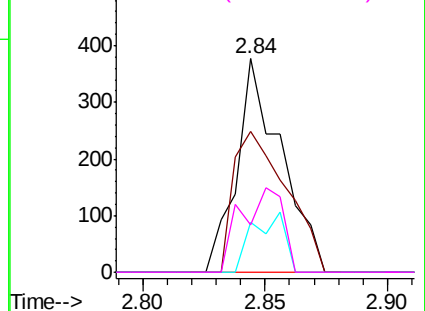
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

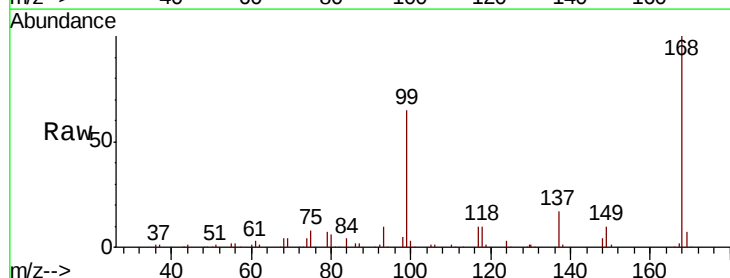
Tgt Ion: 56 Resp: 3929

Ion Ratio Lower Upper

56 100

69 188.0 25.2 37.8#

84 190.1 71.3 106.9#

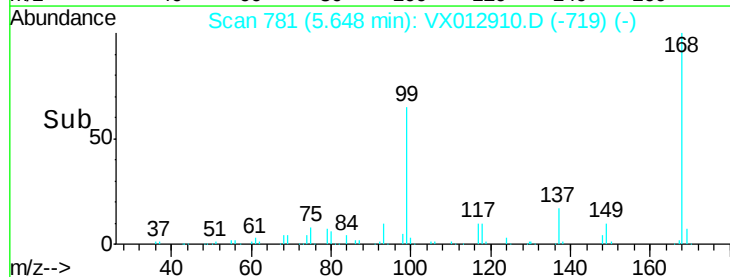
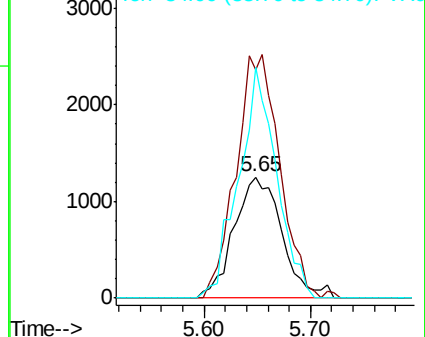


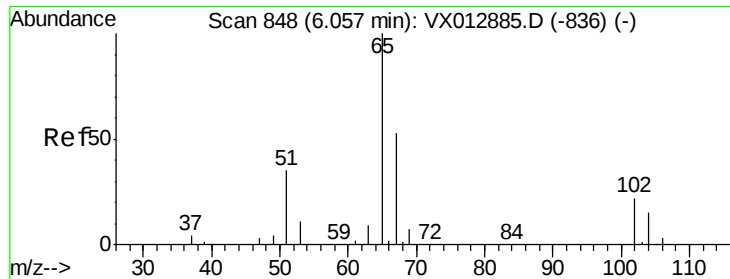
Abundance

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: 52.473 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

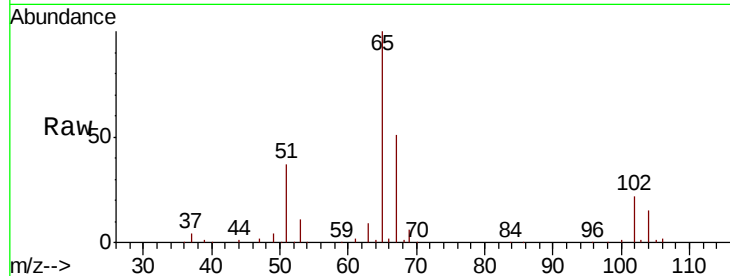
FC-MW10S-20191002

Tot Ion: 65 Resp: 122969

Ion Ratio Lower Upper

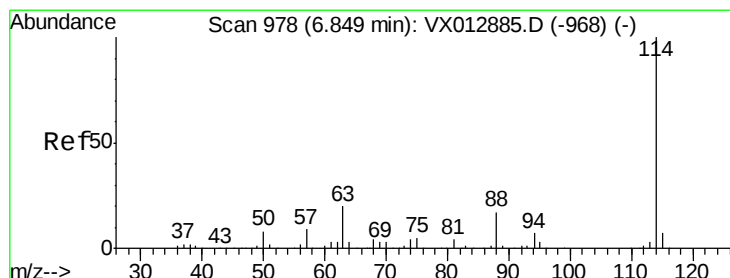
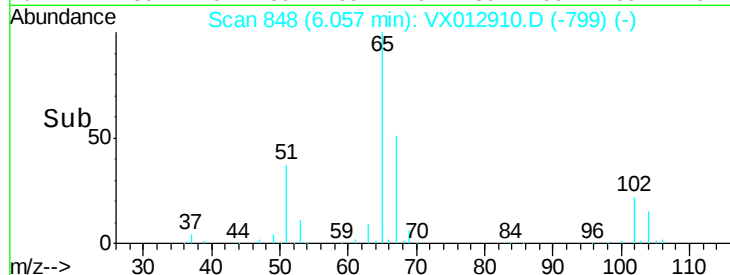
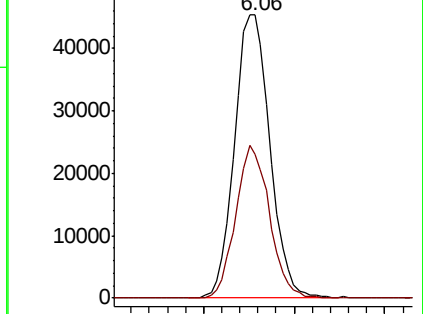
65 100

67 51.3 0.0 104.4



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: VX012910.D

Acq: 09 Oct 2019 00:26

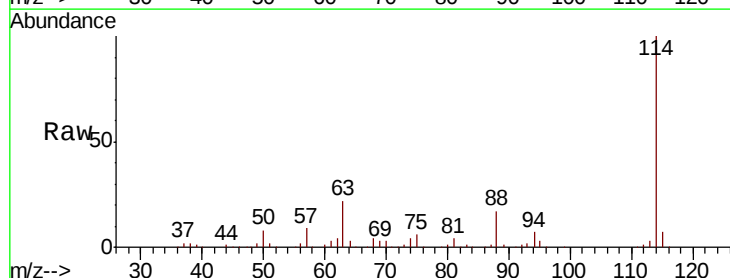
Tgt Ion: 114 Resp: 315034

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

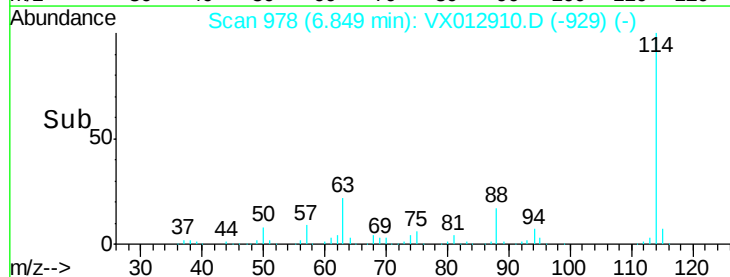
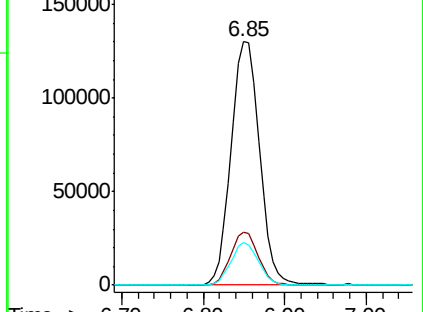
88 17.3 0.0 33.8

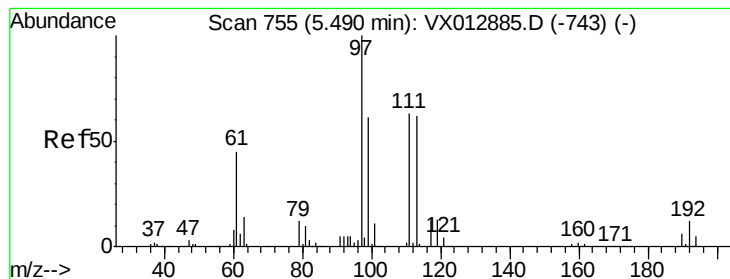


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.811 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

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FC-MW10S-20191002

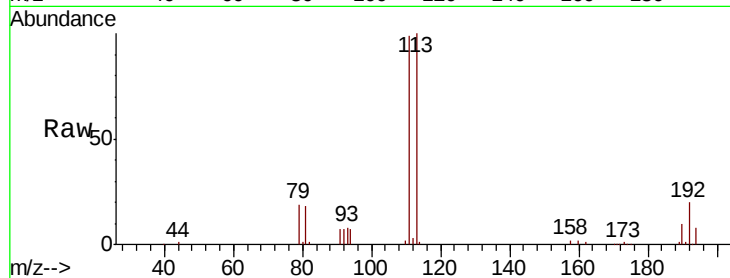
Tot Ion:113 Resp: 93681

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

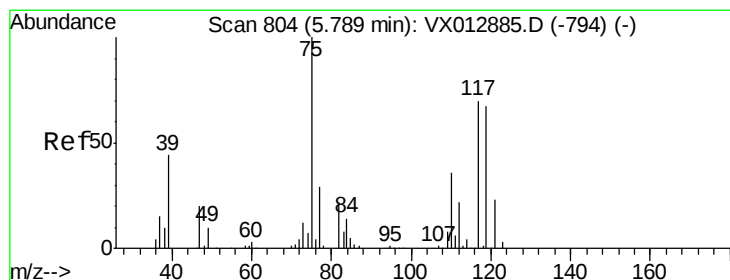
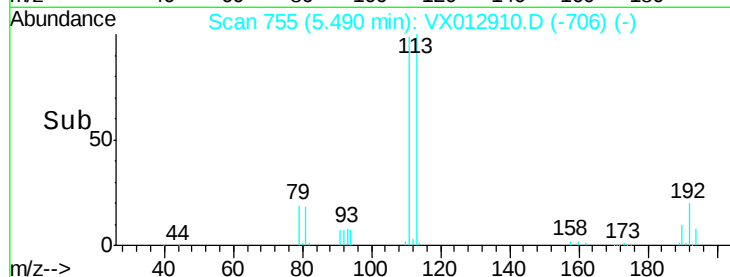
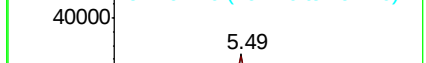
192 19.0 15.4 23.2



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: 5.448 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

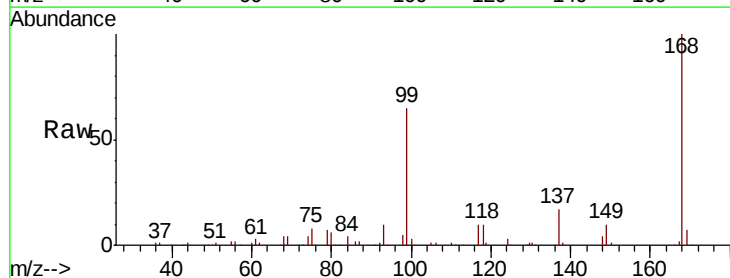
Tgt Ion: 75 Resp: 15089

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

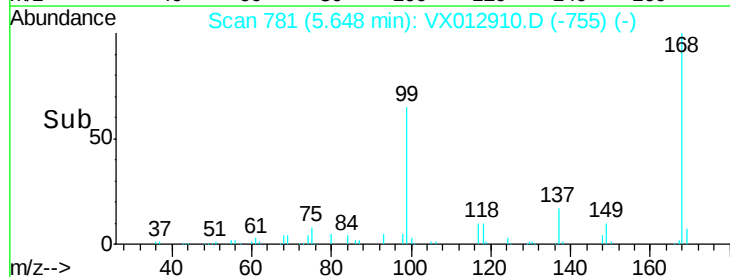
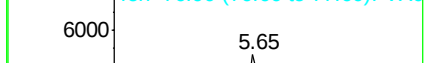
77 0.0 24.4 36.6#

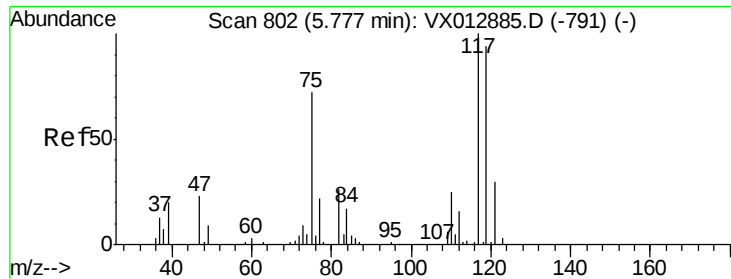


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

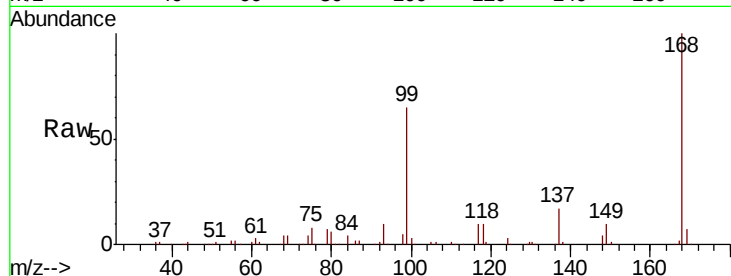




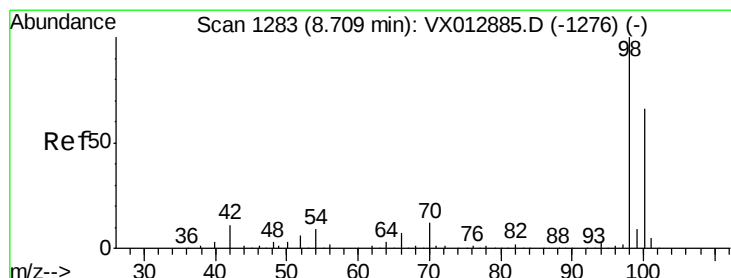
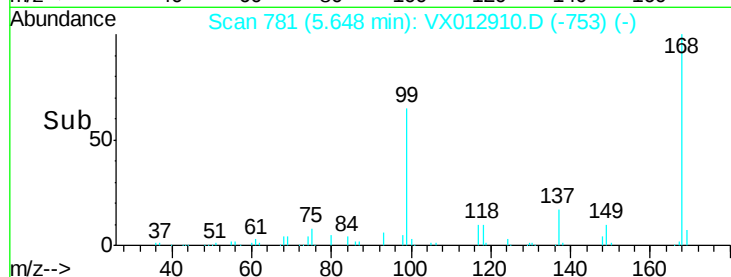
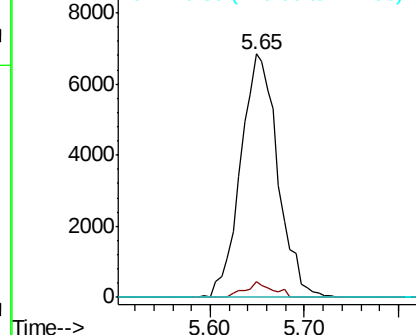
#38
Carbon Tetrachloride
Concen: 6.998 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012910.D
Acq: 09 Oct 2019 00:26

Instrument :
MSVOA_X
ClientSampleId :
FC-MW10S-20191002

Tot Ion:117 Resp: 18866
Ion Ratio Lower Upper
117 100
119 6.4 74.5 111.7#
121 0.0 24.2 36.4#

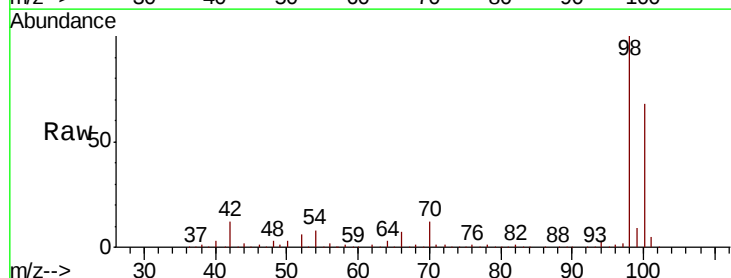


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

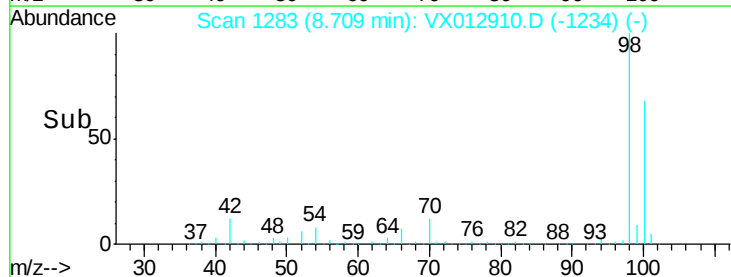
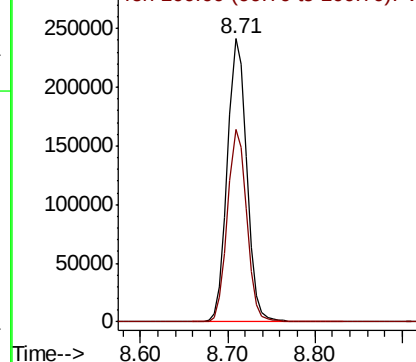


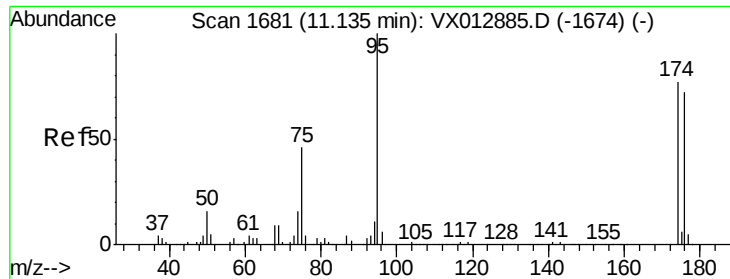
#50
Toluene-d8
Concen: 52.581 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012910.D
Acq: 09 Oct 2019 00:26

Tgt Ion: 98 Resp: 370809
Ion Ratio Lower Upper
98 100
100 67.8 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: 47.919 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10S-20191002

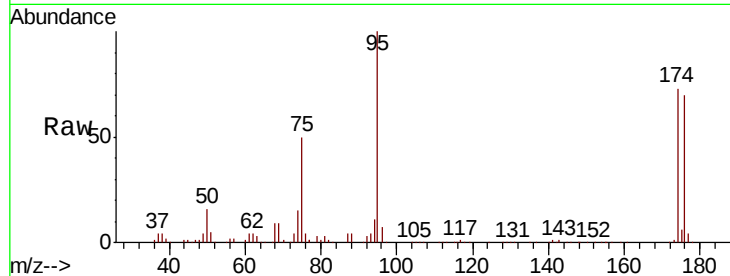
Tot Ion: 95 Resp: 131306

Ion Ratio Lower Upper

95 100

174 70.6 0.0 143.4

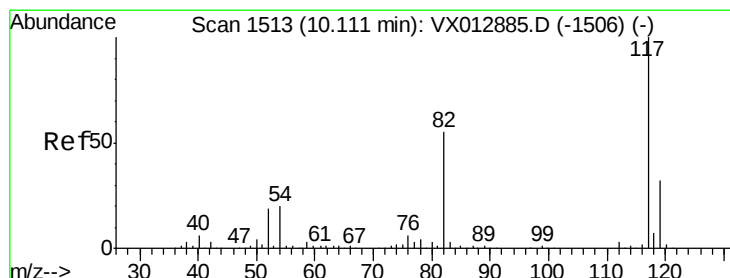
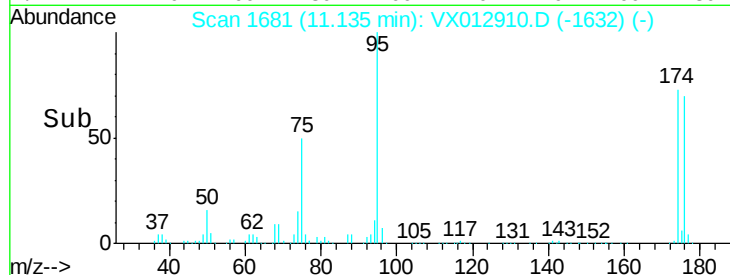
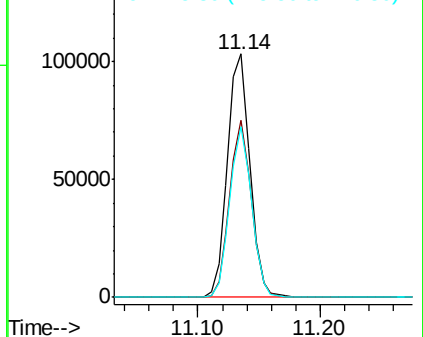
176 68.0 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

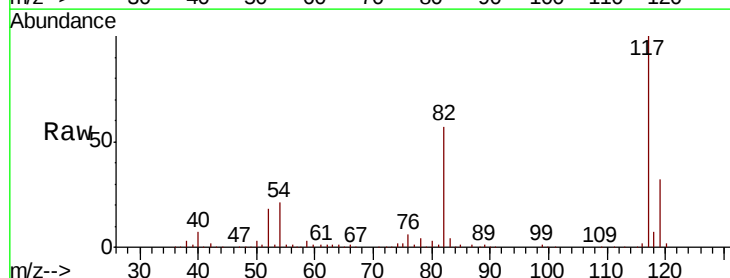
Tgt Ion: 117 Resp: 275146

Ion Ratio Lower Upper

117 100

82 57.3 44.1 66.1

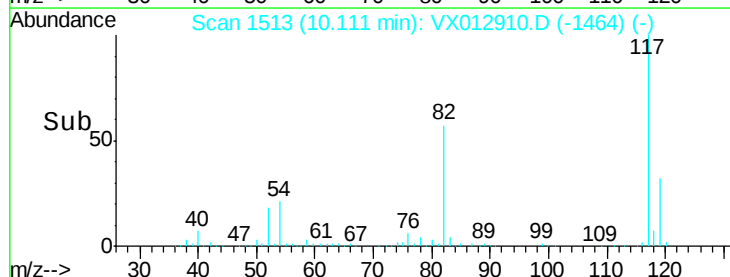
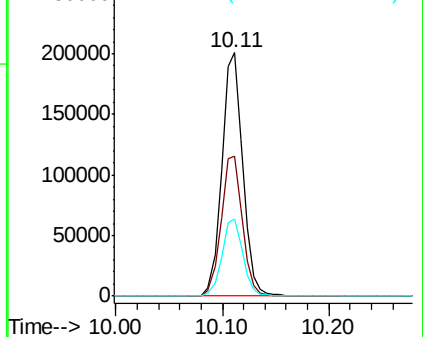
119 31.7 25.8 38.8

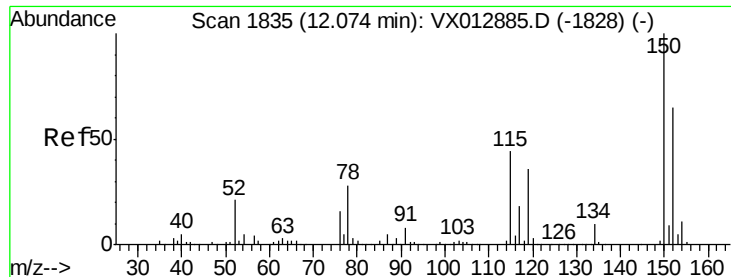


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10S-20191002

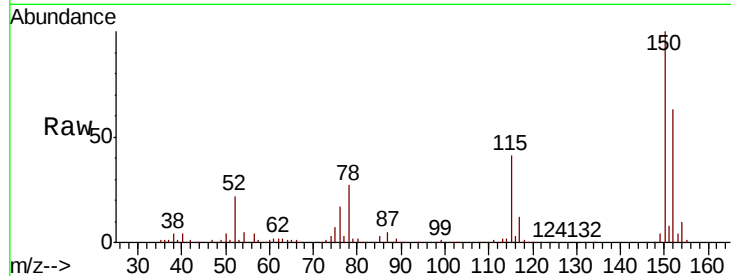
Tot Ion:152 Resp: 109488

Ion Ratio Lower Upper

152 100

115 63.9 44.5 133.5

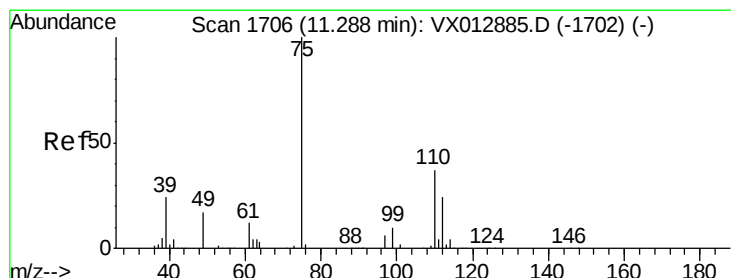
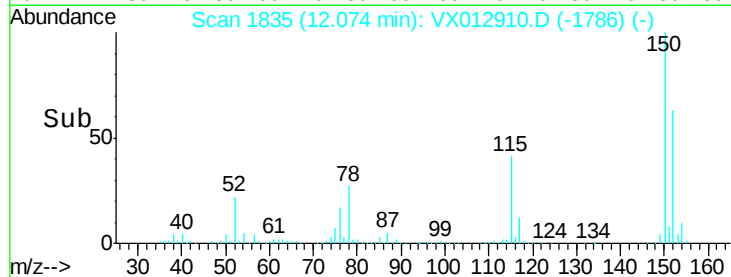
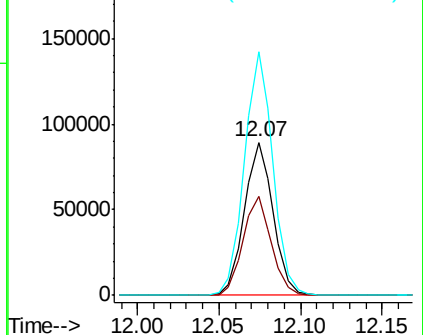
150 158.1 0.0 353.4



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: 27.244 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012910.D

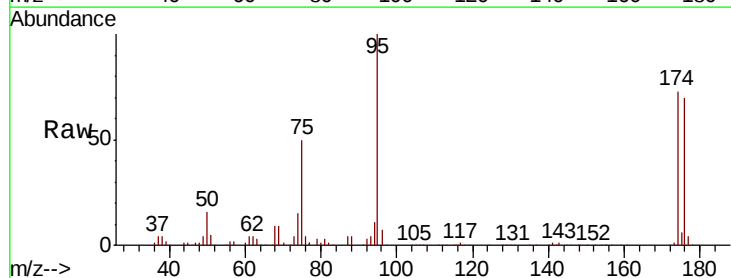
Acq: 09 Oct 2019 00:26

Tgt Ion: 75 Resp: 66160

Ion Ratio Lower Upper

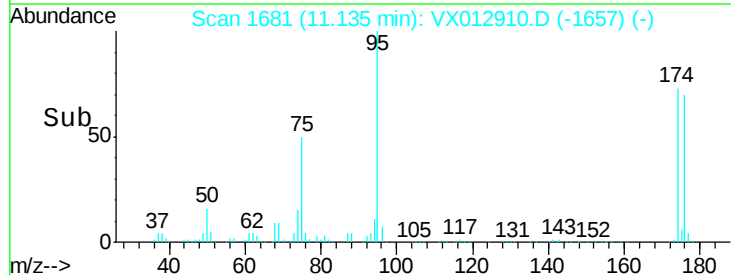
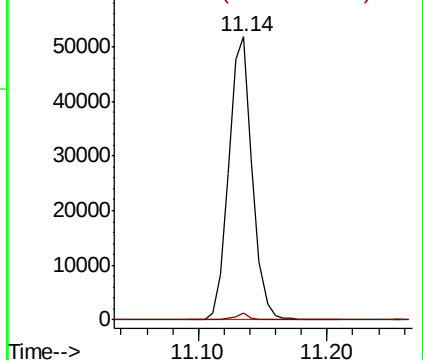
75 100

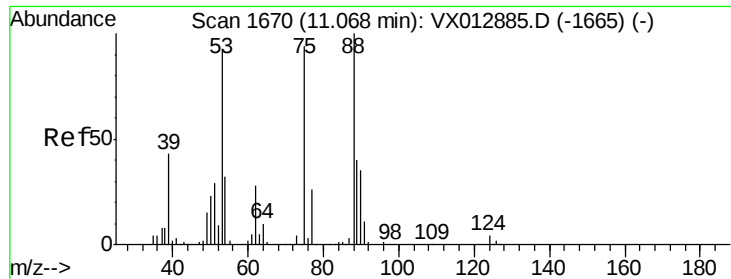
77 1.6 22.9 68.8#



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: 68.419 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012910.D

Acq: 09 Oct 2019 00:26

Instrument :

MSVOA_X

ClientSampleId :

FC-MW10S-20191002

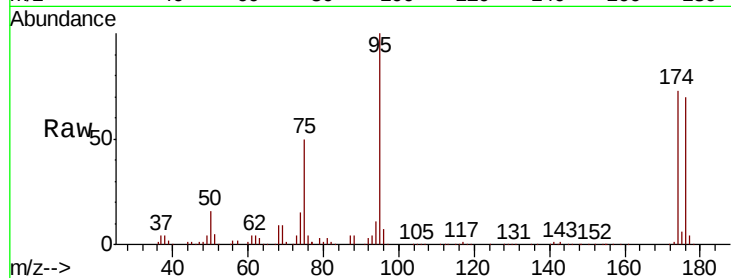
Tot Ion: 75 Resp: 66160

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

