

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012893.D
 Acq On : 08 Oct 2019 16:40
 Operator : JC/SP
 Sample : K5122-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-FMW3413

Quant Time: Oct 09 02:10:02 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	178087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	117100	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	5.49	113	89910	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
50) Toluene-d8	8.71	98	355853	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	11.14	95	116873	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

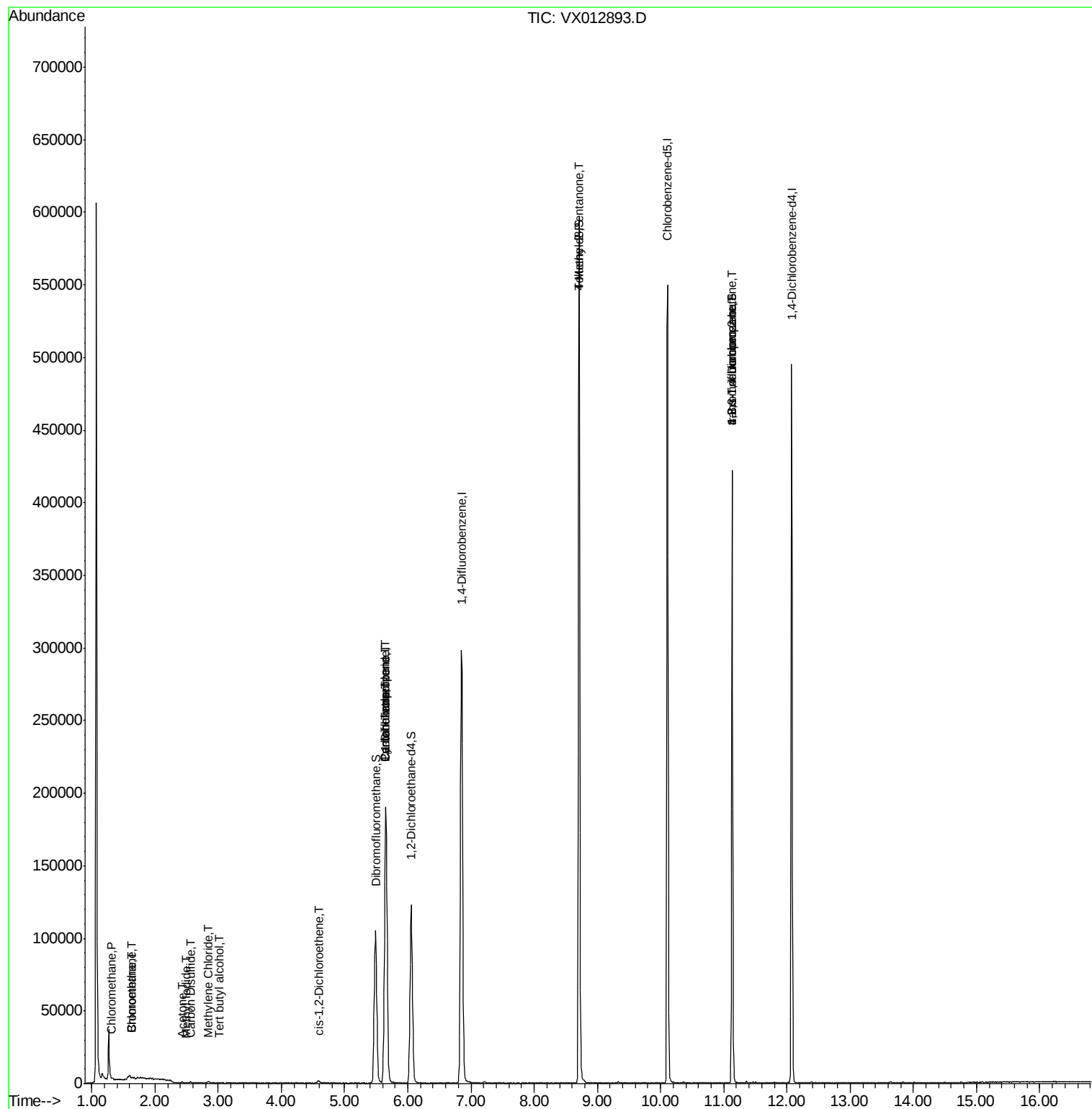
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	413	0.209	ug/l	98
5) Bromomethane	1.64	94	513	0.605	ug/l #	63
6) Chloroethane	1.63	64	542	0.800	ug/l #	43
10) Methyl Iodide	2.50	142	272	5.203	ug/l #	80
11) Tert butyl alcohol	3.01	59	271	0.459	ug/l #	72
16) Acetone	2.43	43	748	0.638	ug/l	95
17) Carbon Disulfide	2.56	76	1112	0.217	ug/l	99
20) Methylene Chloride	2.85	84	623	0.289	ug/l #	73
27) cis-1,2-Dichloroethene	4.59	96	1039	0.467	ug/l	92
31) Cyclohexane	5.64	56	3897	1.206	ug/l #	14
36) 1,1-Dichloropropene	5.65	75	14414	5.450	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18485	7.181	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1524	0.515	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	59264	27.670	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	59264	69.426	ug/l #	10

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

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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. -0.00 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

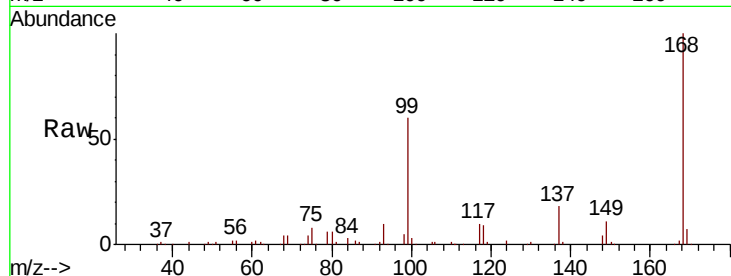
FA19-FMW3413

Tot Ion:168 Resp: 178087

Ion Ratio Lower Upper

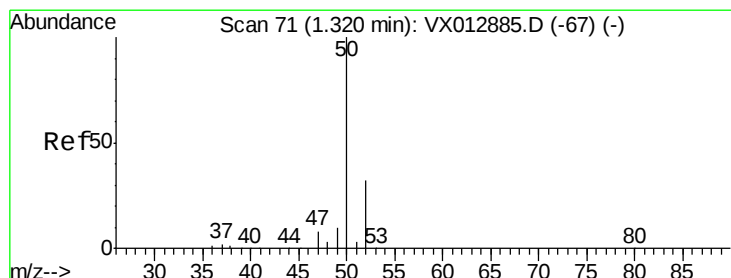
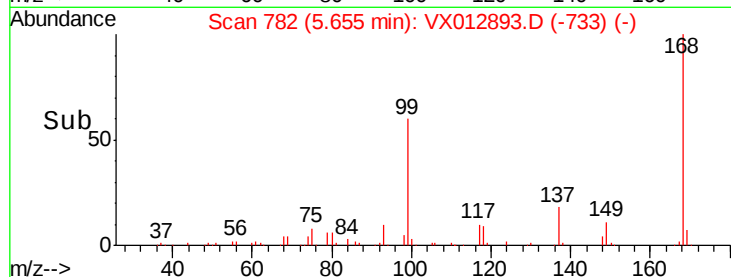
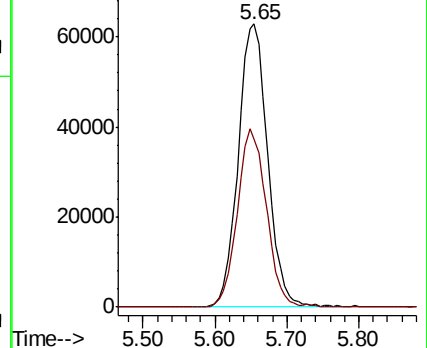
168 100

99 59.6 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012893.D

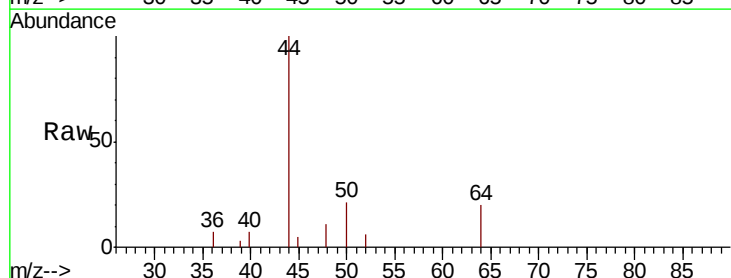
Acq: 08 Oct 2019 16:40

Tgt Ion: 50 Resp: 413

Ion Ratio Lower Upper

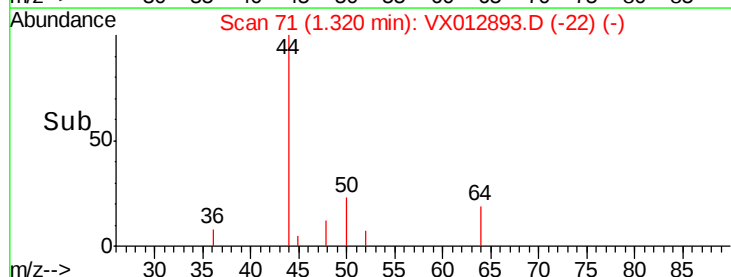
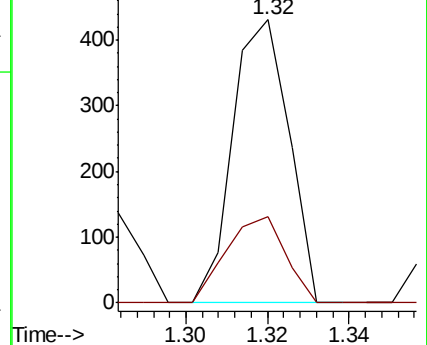
50 100

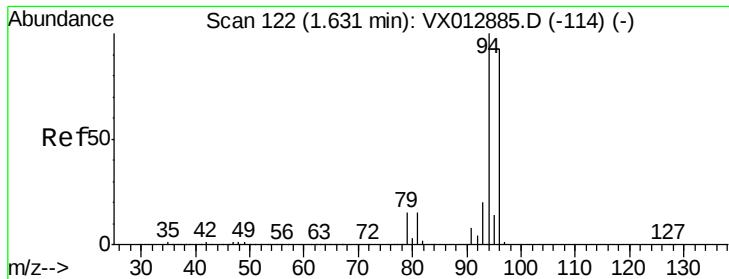
52 30.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.605 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

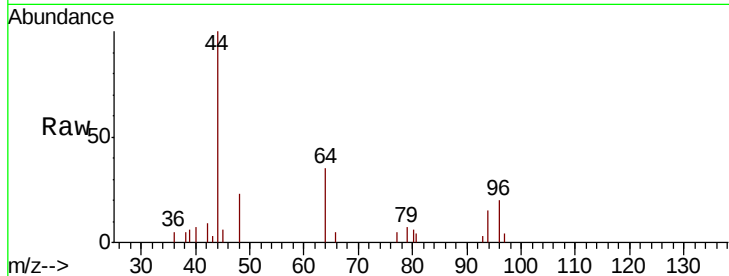
FA19-FMW3413

Tot Ion: 94 Resp: 513

Ion Ratio Lower Upper

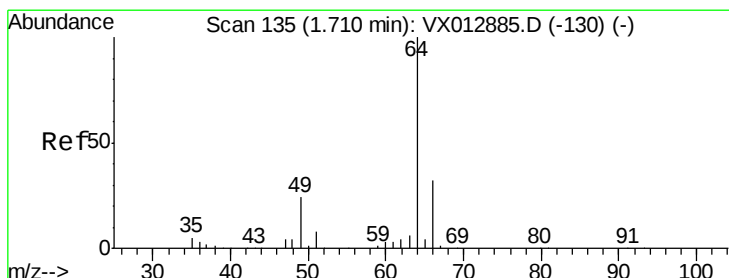
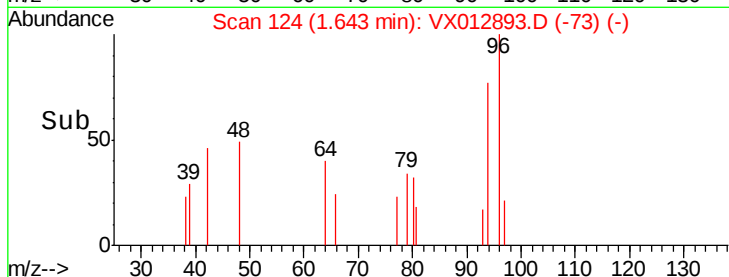
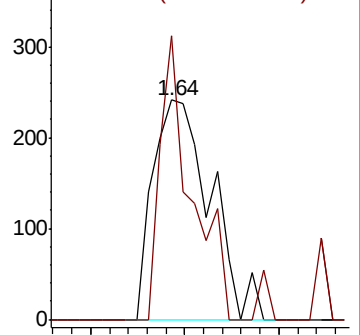
94 100

96 129.5 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.800 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.08 min

Lab File: VX012893.D

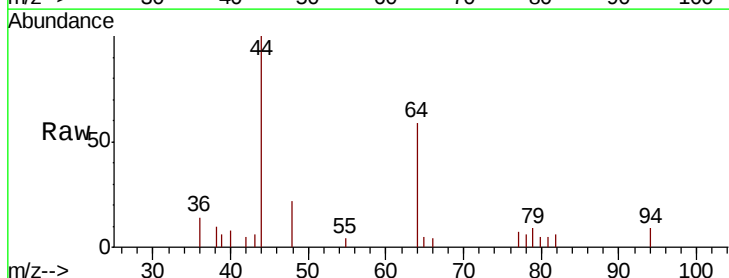
Acq: 08 Oct 2019 16:40

Tgt Ion: 64 Resp: 542

Ion Ratio Lower Upper

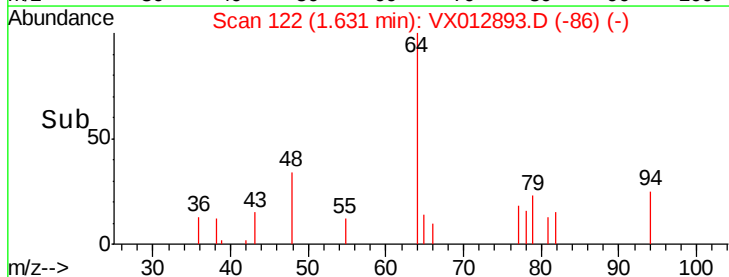
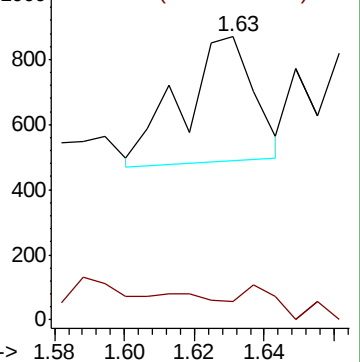
64 100

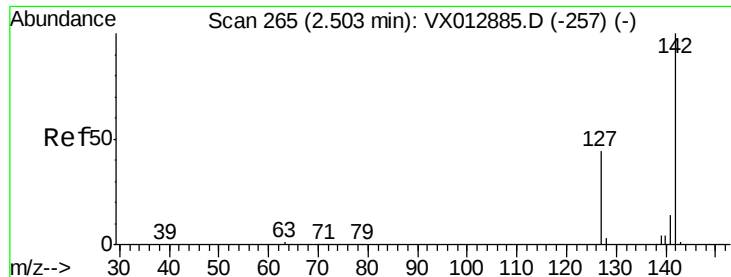
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

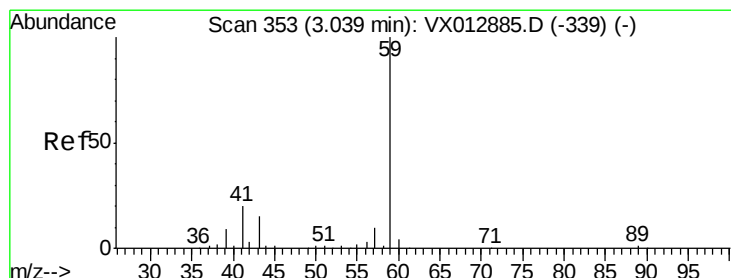
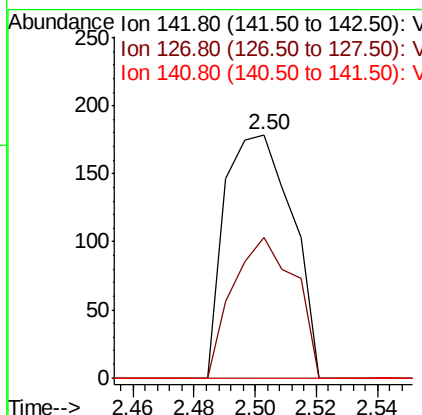
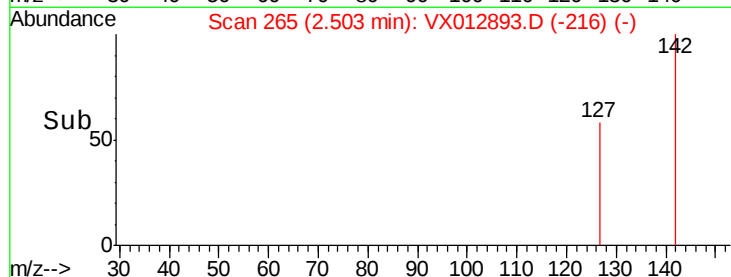
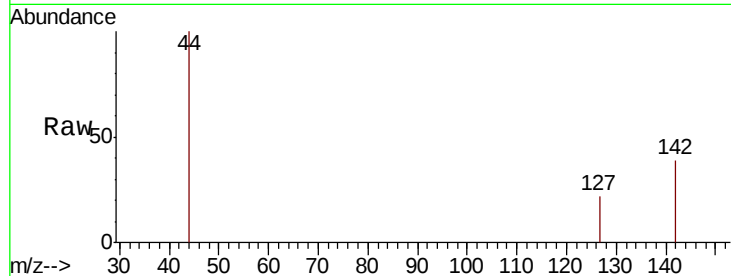




#10
Methvl Iodide
Concen: 5.203 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

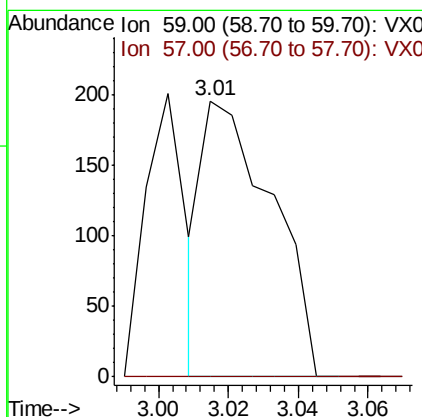
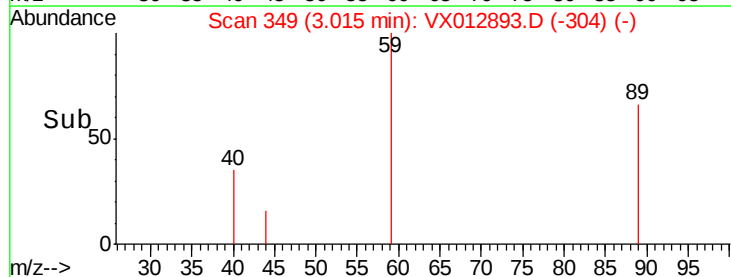
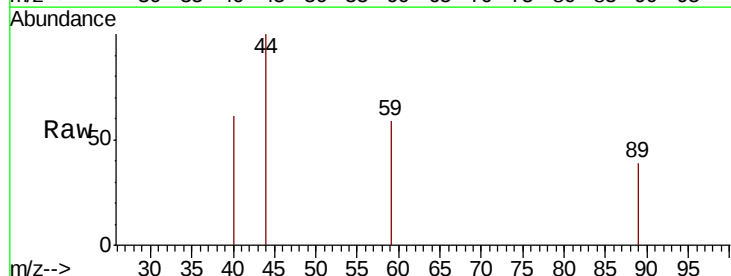
Instrument :
MSVOA_X
ClientSampleId :
FA19-FMW3413

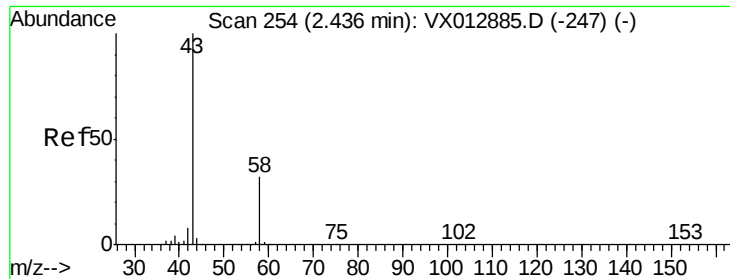
Tot Ion:142 Resp: 272
Ion Ratio Lower Upper
142 100
127 53.3 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.459 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.638 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

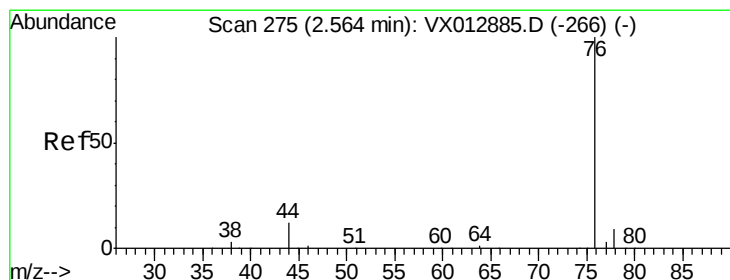
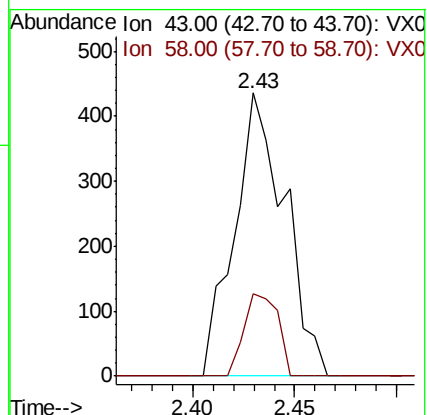
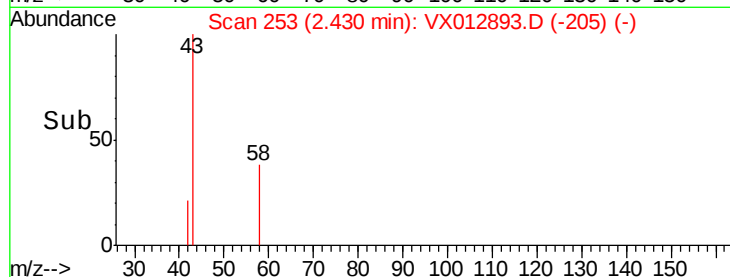
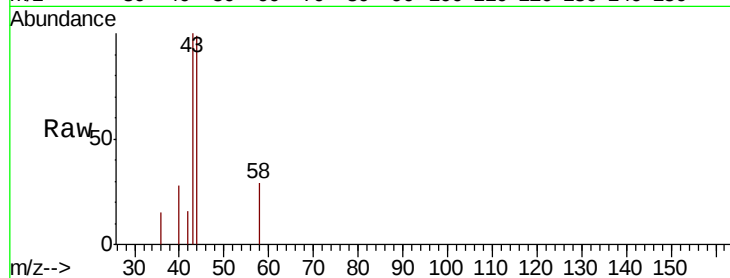
FA19-FMW3413

Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

58 28.9 25.4 38.2



#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012893.D

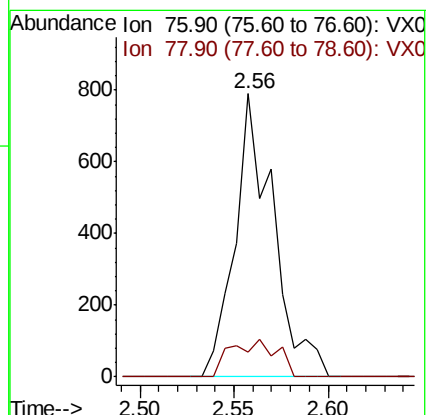
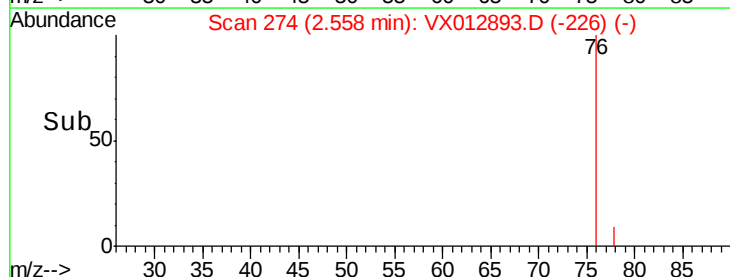
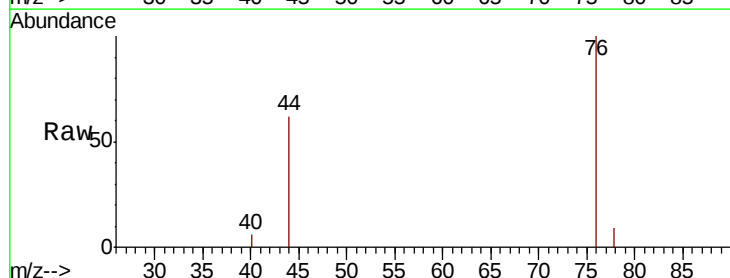
Acq: 08 Oct 2019 16:40

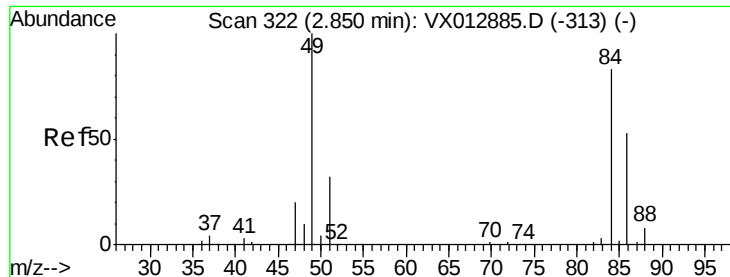
Tgt Ion: 76 Resp: 1112

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

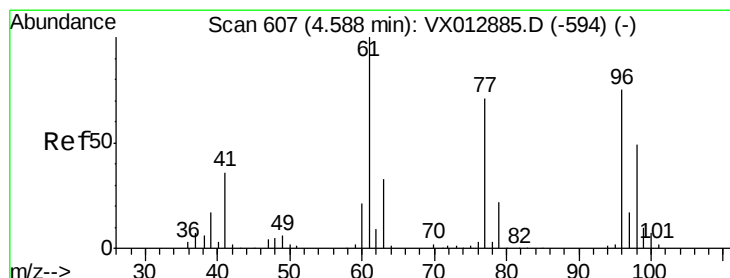
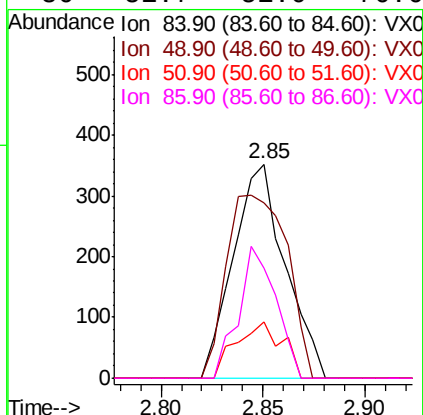
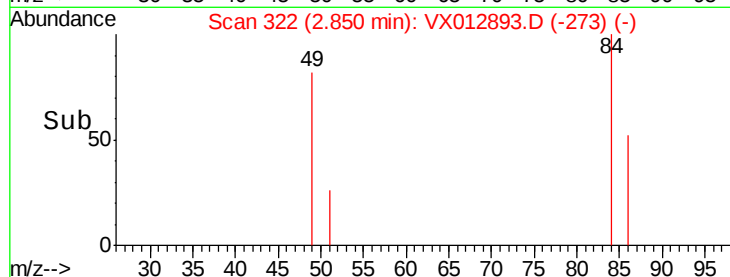
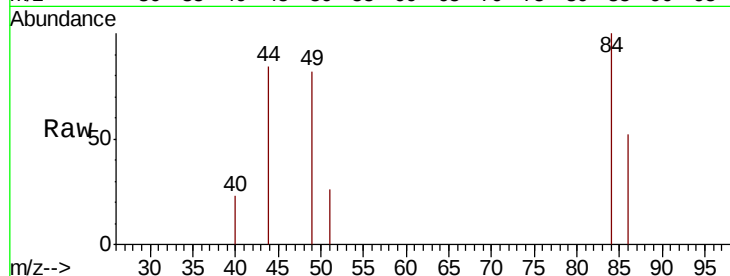




#20
Methvlene Chloride
Concen: 0.289 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

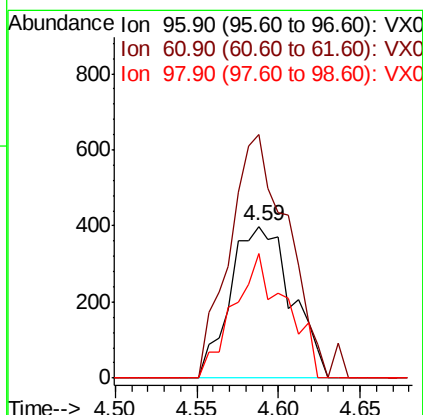
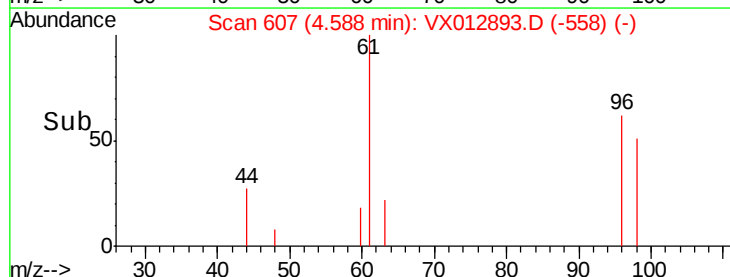
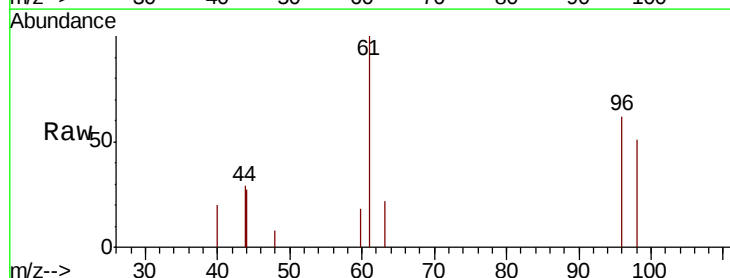
Instrument :
MSVOA_X
ClientSampleId :
FA19-FMW3413

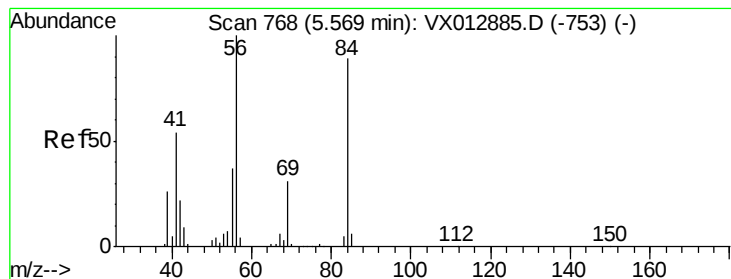
Tot Ion: 84 Resp: 623
Ion Ratio Lower Upper
84 100
49 81.8 96.6 144.8#
51 26.4 30.7 46.1#
86 51.7 51.0 76.6



#27
cis-1,2-Dichloroethene
Concen: 0.467 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

Tgt Ion: 96 Resp: 1039
Ion Ratio Lower Upper
96 100
61 155.4 0.0 290.6
98 70.2 0.0 128.8





#31

Cyclohexane

Concen: 1.206 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-FMW3413

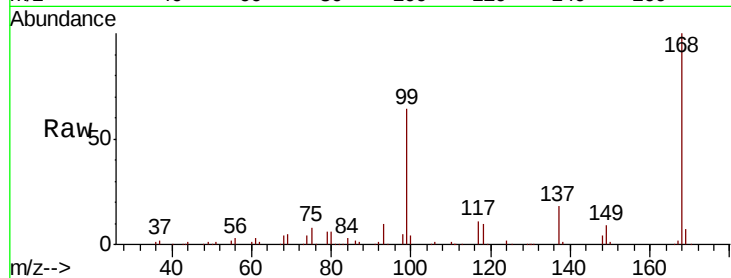
Tot Ion: 56 Resp: 3897

Ion Ratio Lower Upper

56 100

69 187.1 25.2 37.8#

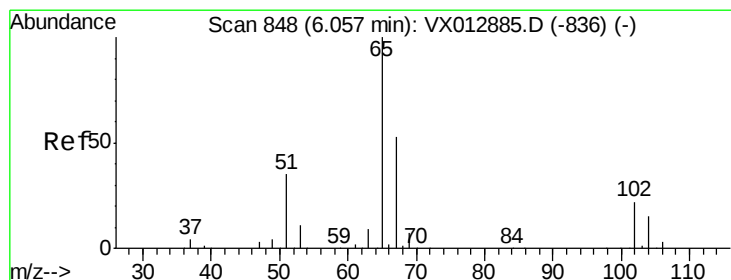
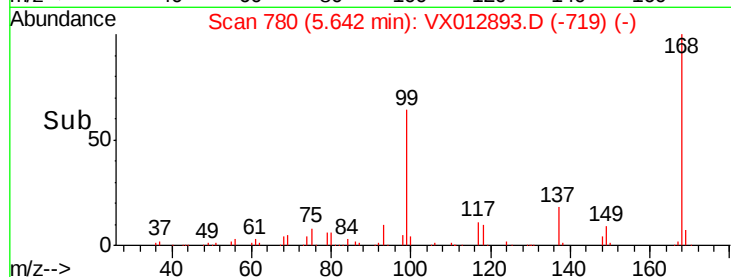
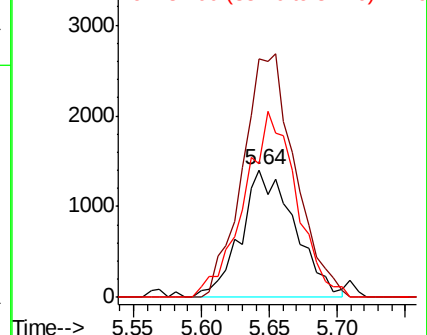
84 105.1 71.3 106.9



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: 52.609 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012893.D

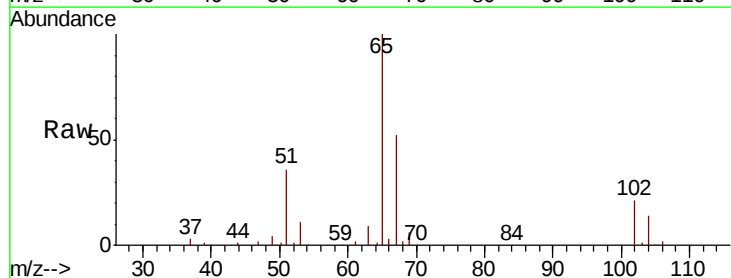
Acq: 08 Oct 2019 16:40

Tgt Ion: 65 Resp: 117100

Ion Ratio Lower Upper

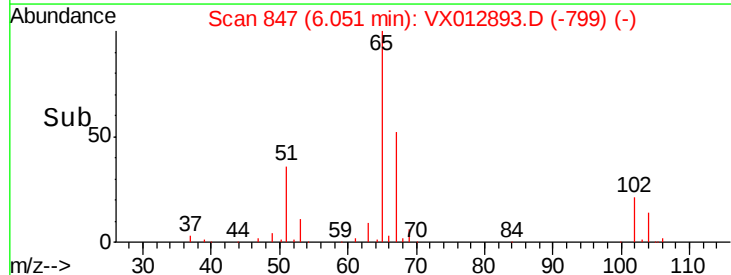
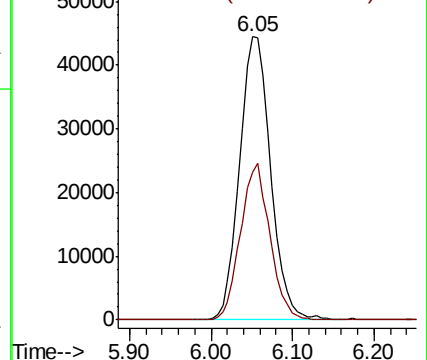
65 100

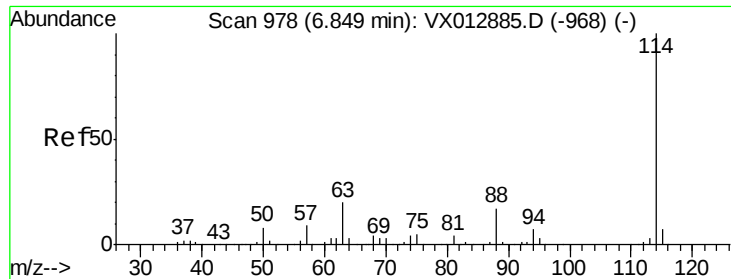
67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

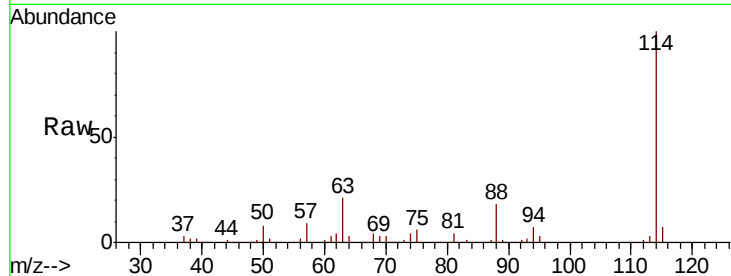




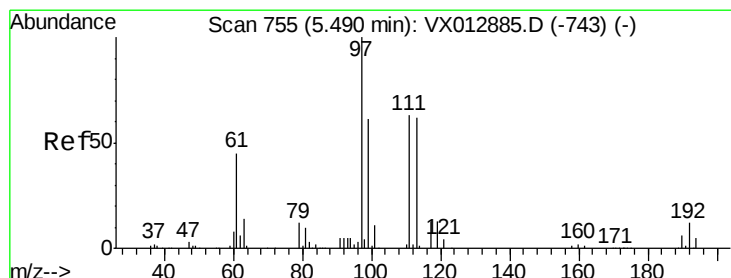
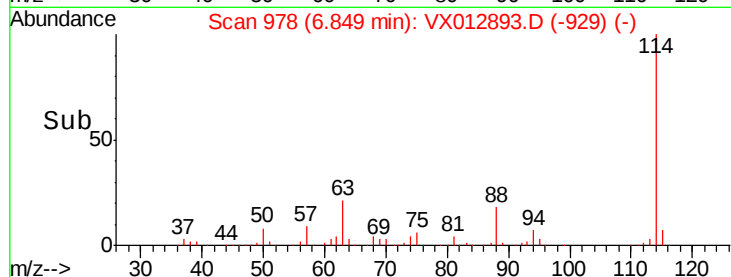
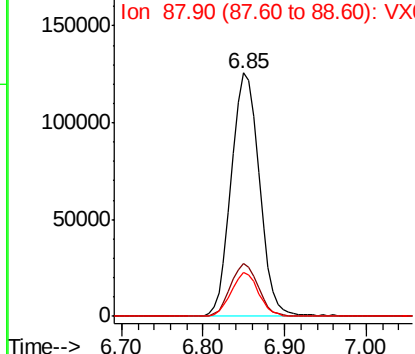
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
FA19-FMW3413

Tot Ion:114 Resp: 300817
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 18.0 0.0 33.8

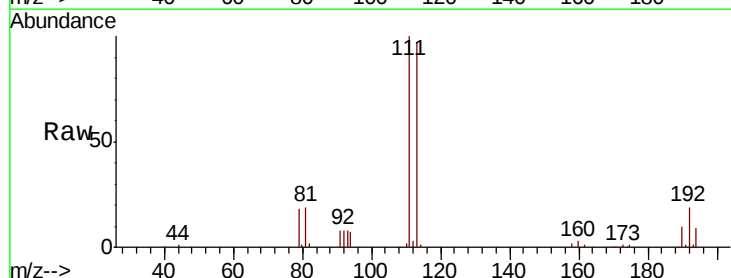


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

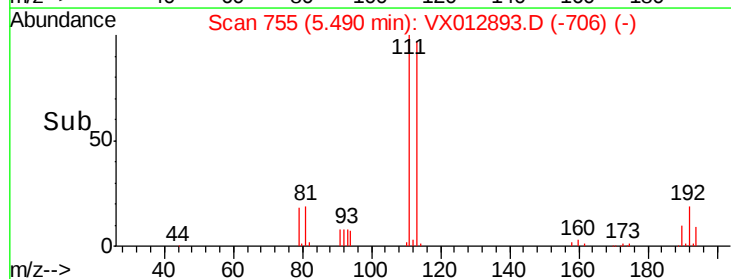
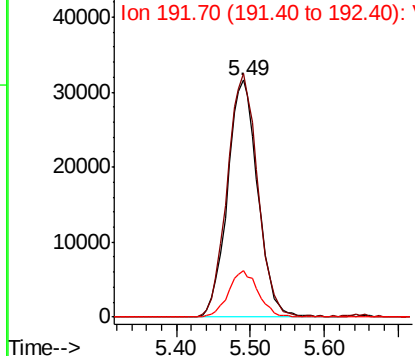


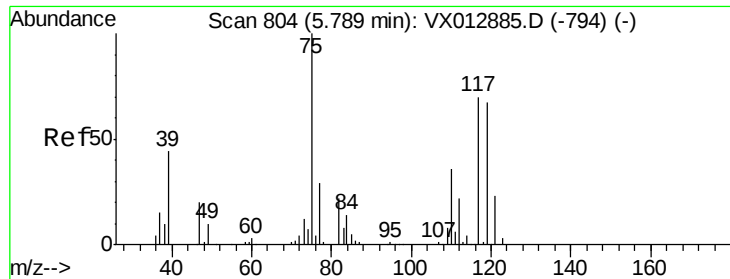
#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

Tgt Ion:113 Resp: 89910
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 19.2 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: 5.450 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-FMW3413

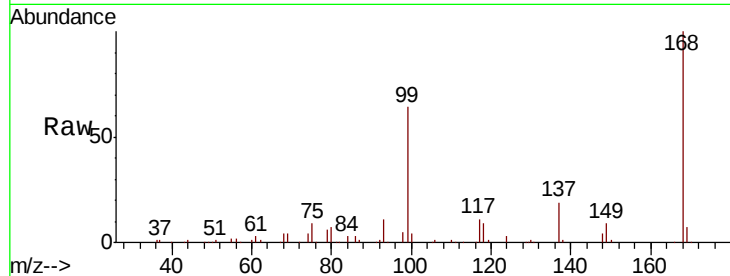
Tot Ion: 75 Resp: 14414

Ion Ratio Lower Upper

75 100

110 9.5 17.6 52.9#

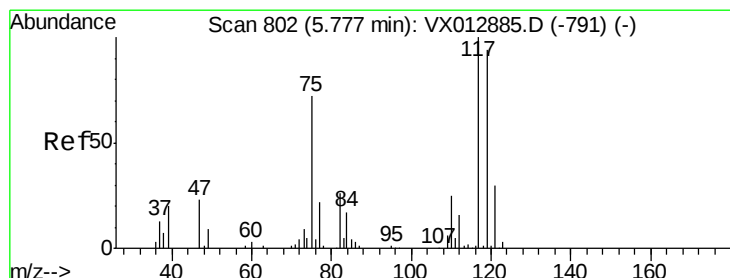
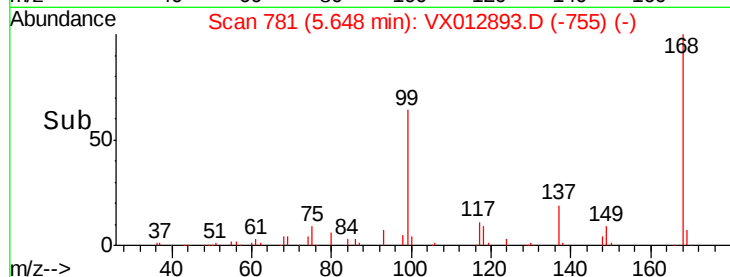
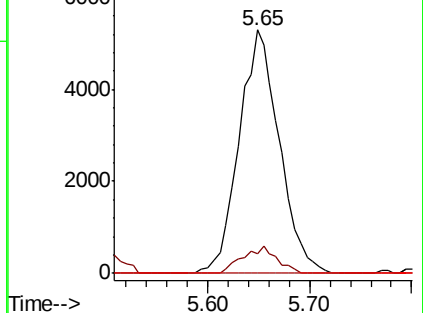
77 0.0 24.4 36.6#



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: 7.181 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

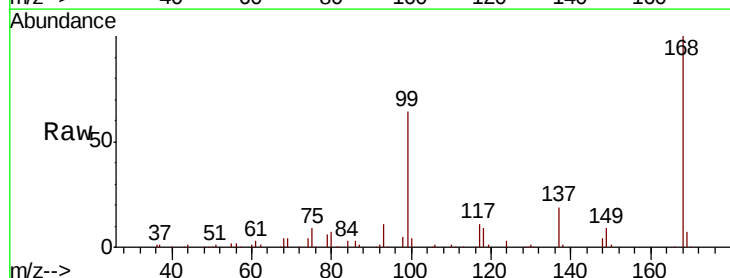
Tgt Ion: 117 Resp: 18485

Ion Ratio Lower Upper

117 100

119 5.5 74.5 111.7#

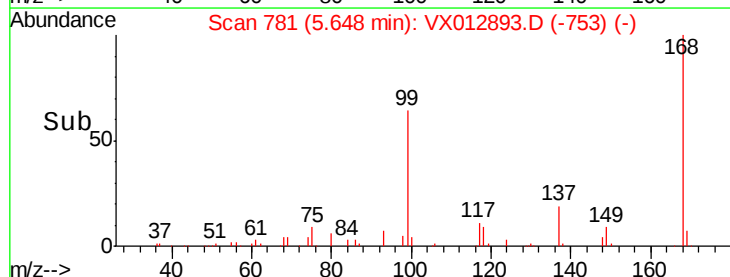
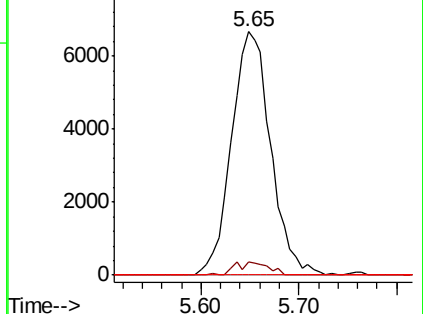
121 0.0 24.2 36.4#

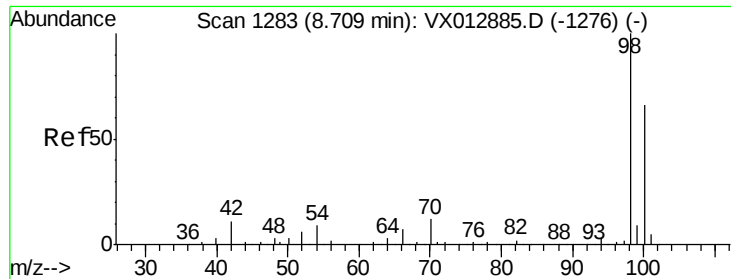


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

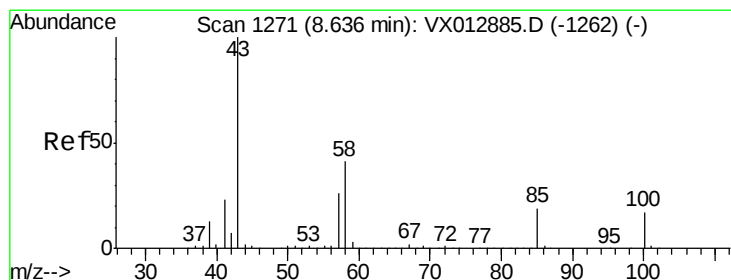
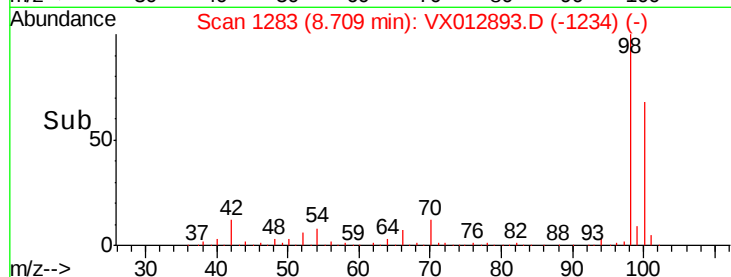
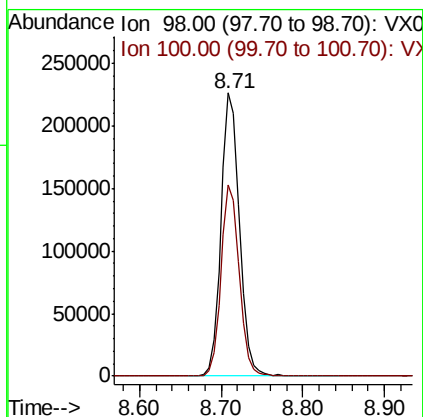
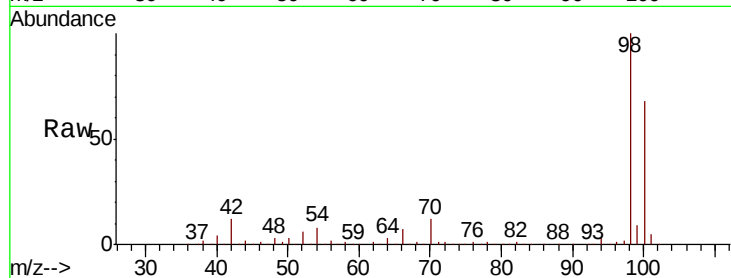




#50
Toluene-d8
Concen: 52.845 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

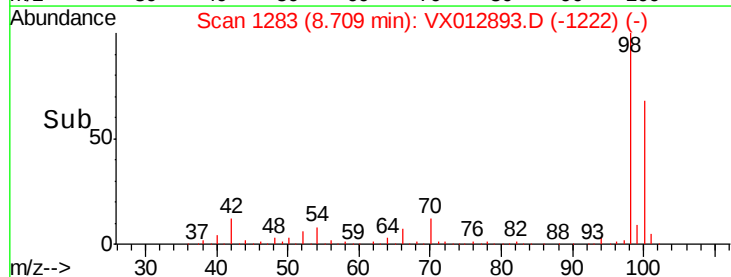
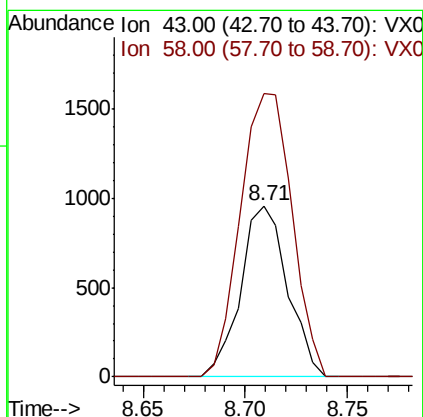
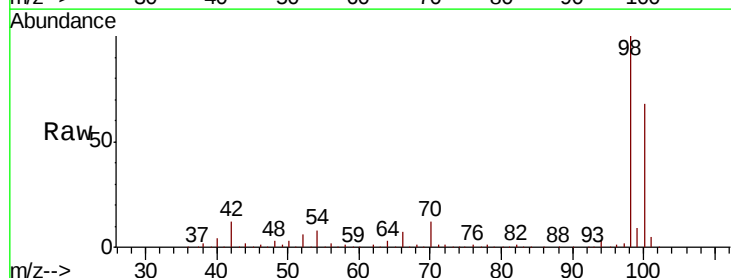
Instrument :
MSVOA_X
ClientSampleId :
FA19-FMW3413

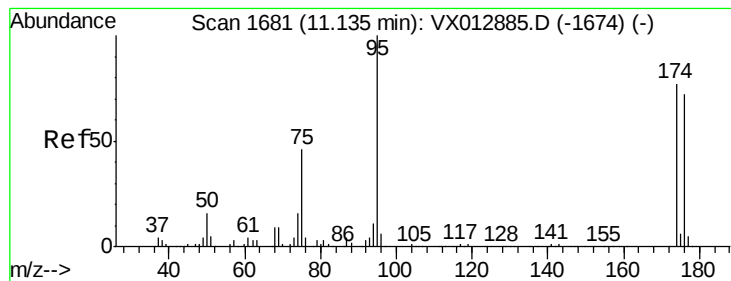
Tot Ion: 98 Resp: 355853
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.515 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012893.D
Acq: 08 Oct 2019 16:40

Tgt Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 183.1 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 44.668 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-FMW3413

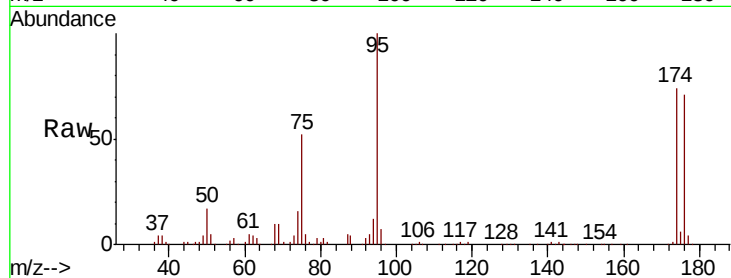
Tot Ion: 95 Resp: 116873

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.4

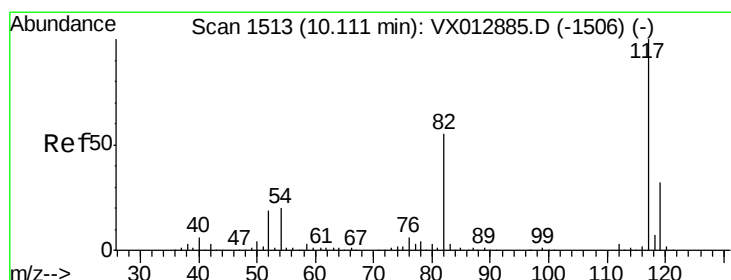
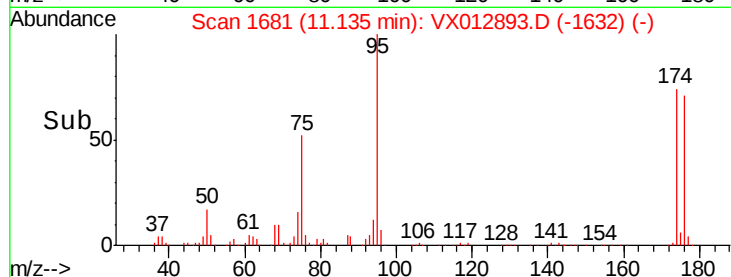
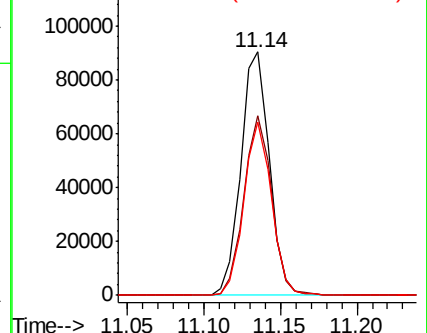
176 68.9 0.0 136.0



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: VX012893.D

Acq: 08 Oct 2019 16:40

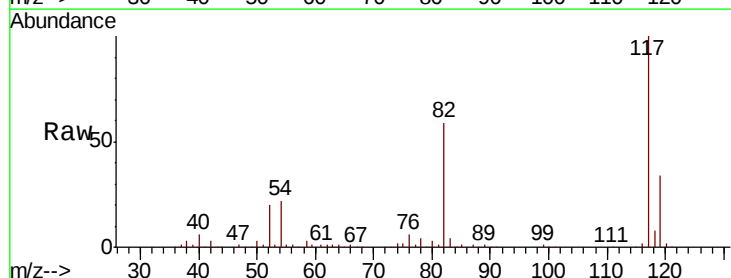
Tgt Ion: 117 Resp: 248689

Ion Ratio Lower Upper

117 100

82 59.4 44.1 66.1

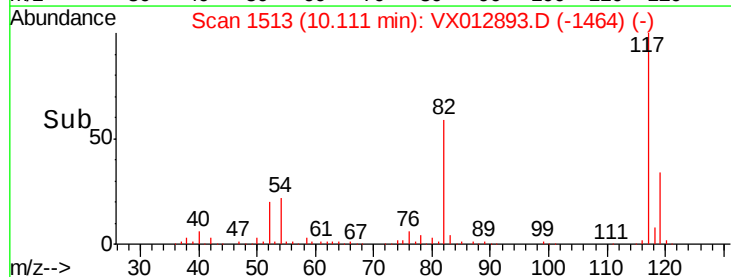
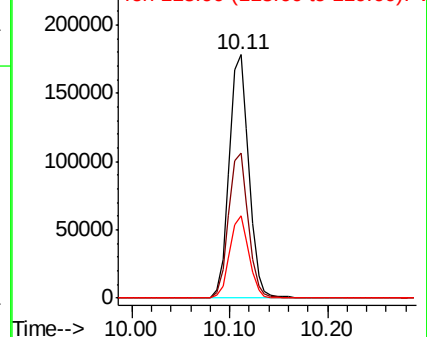
119 33.9 25.8 38.8

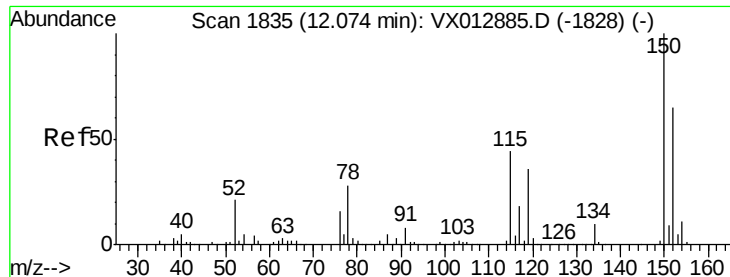


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

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: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-FMW3413

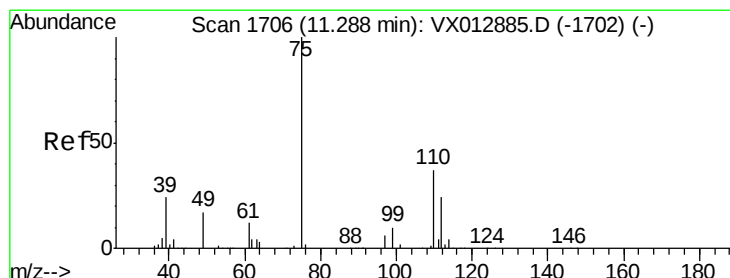
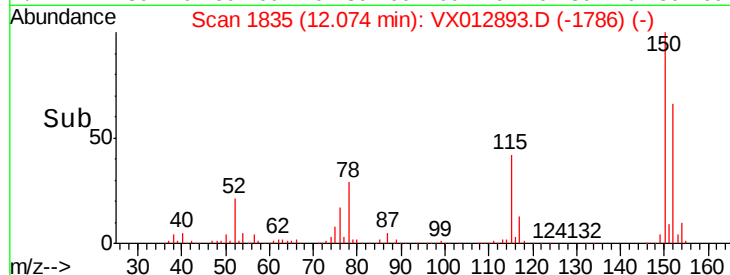
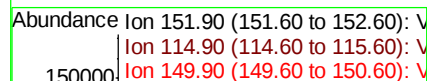
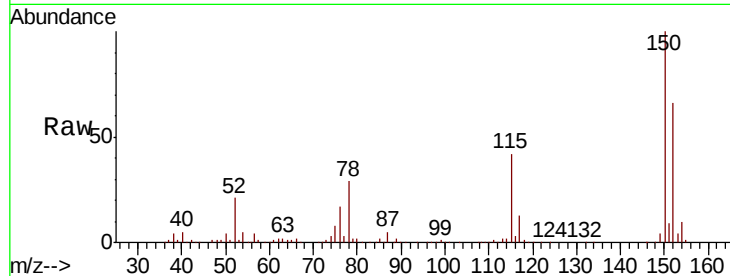
Tot Ion:152 Resp: 96564

Ion Ratio Lower Upper

152 100

115 63.0 44.5 133.5

150 154.2 0.0 353.4



#76

1,2,3-Trichloropropane

Concen: 27.670 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012893.D

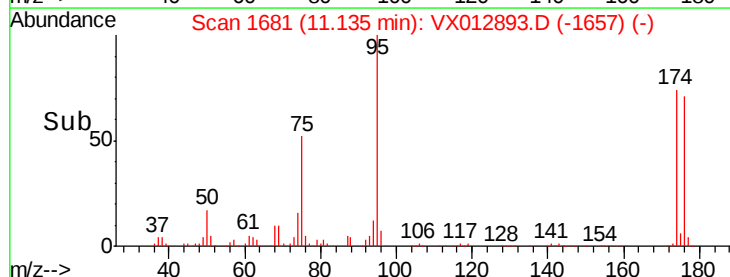
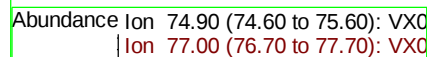
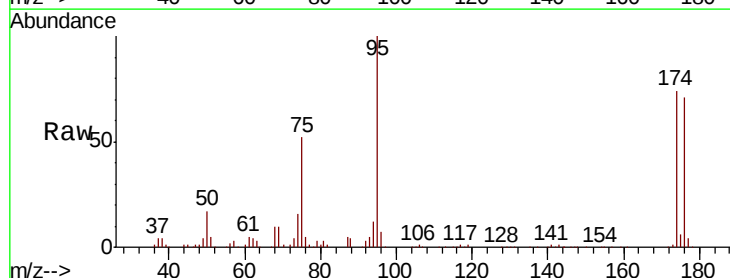
Acq: 08 Oct 2019 16:40

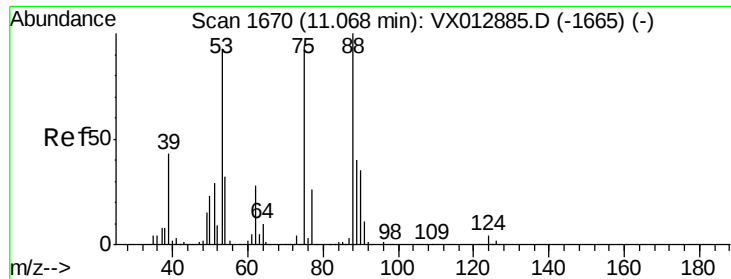
Tgt Ion: 75 Resp: 59264

Ion Ratio Lower Upper

75 100

77 1.1 22.9 68.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.426 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012893.D

Acq: 08 Oct 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

FA19-FMW3413

Tot Ion: 75 Resp: 59264

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#

