

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012961.D
 Acq On : 09 Oct 2019 23:30
 Operator : JC/SP
 Sample : K5260-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7203A

Quant Time: Oct 10 06:47:55 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

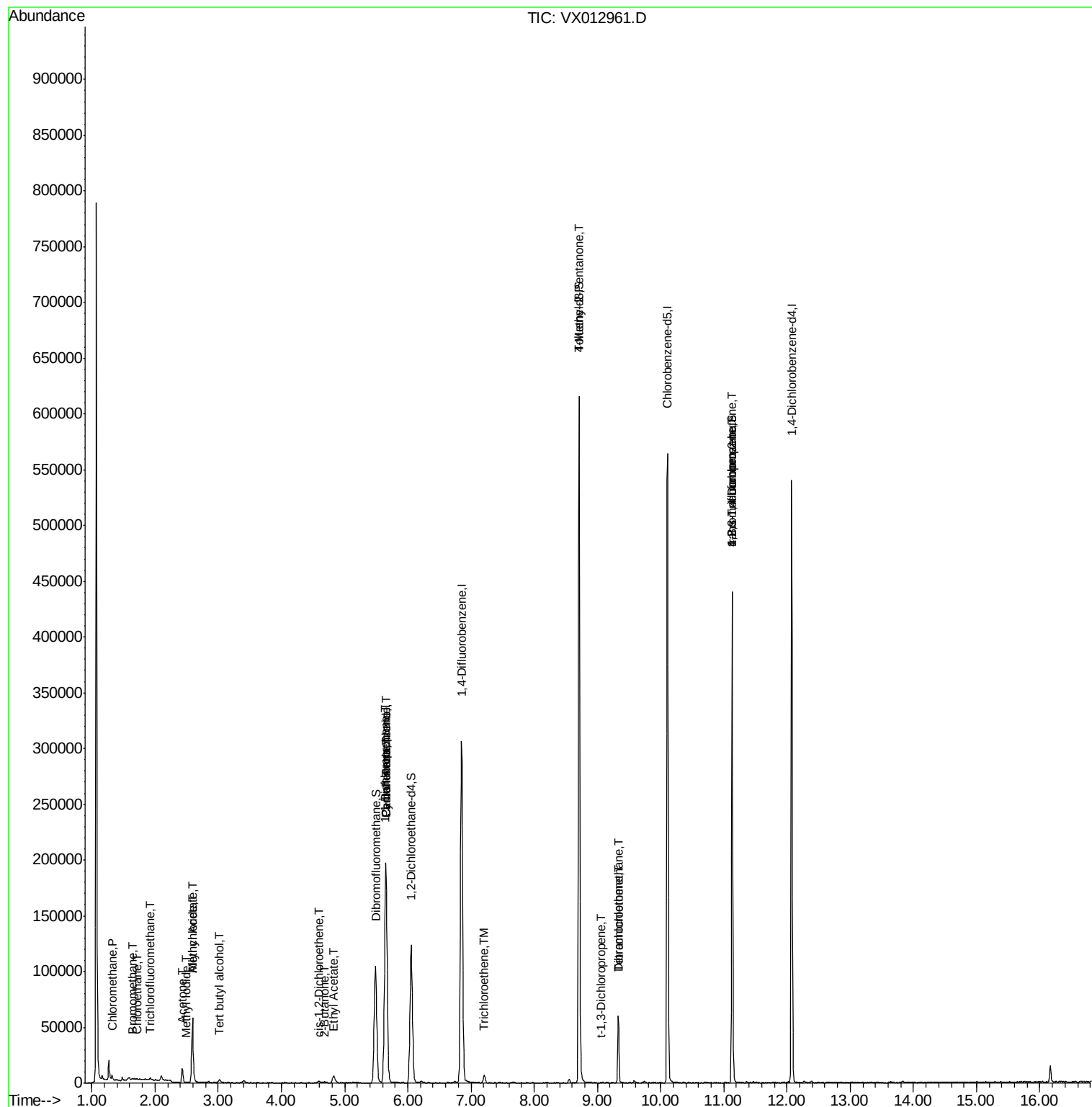
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304186	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105171	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	118312	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
35) Dibromofluoromethane	5.49	113	90220	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
50) Toluene-d8	8.71	98	358414	52.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	11.14	95	125130	47.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	2566	1.268	ug/l	99
5) Bromomethane	1.64	94	450	0.518	ug/l	98
6) Chloroethane	1.72	64	215	0.535	ug/l #	72
7) Trichlorofluoromethane	1.92	101	677	0.240	ug/l #	76
10) Methyl Iodide	2.50	142	409	5.259	ug/l #	84
11) Tert butyl alcohol	3.02	59	2591	4.285	ug/l #	93
14) Allyl chloride	2.59	41	5534	1.685	ug/l #	61
16) Acetone	2.43	43	13748	11.435	ug/l	93
18) Methyl Acetate	2.59	43	16084	5.644	ug/l #	51
25) 2-Butanone	4.69	43	478	0.287	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	796	0.349	ug/l	96
31) Cyclohexane	5.65	56	3727	1.126	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14425	5.394	ug/l #	45
37) Ethyl Acetate	4.83	43	11153	3.729	ug/l #	84
38) Carbon Tetrachloride	5.65	117	19014	7.304	ug/l #	16
44) Trichloroethene	7.20	130	2859	1.305	ug/l	82
51) 4-Methyl-2-Pentanone	8.71	43	1597	0.534	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	55	2.185	ug/l #	42
60) Dibromochloromethane	9.33	129	11069	6.646	ug/l #	10
64) Tetrachloroethene	9.33	164	10903	5.946	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	61294	26.276	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	61294	66.134	ug/l #	10

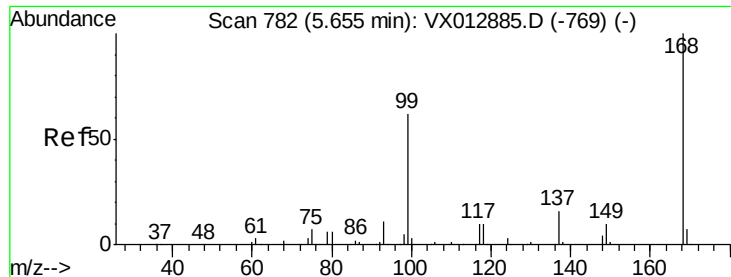
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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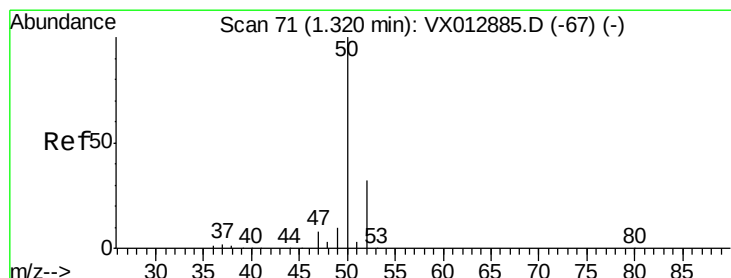
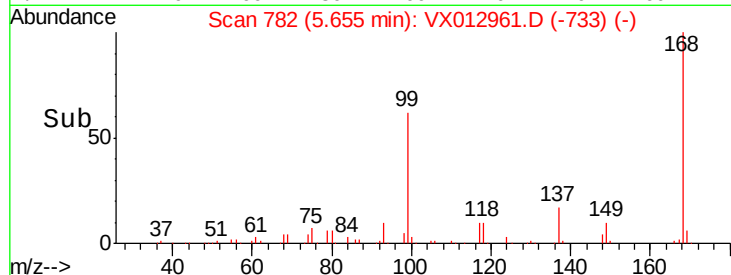
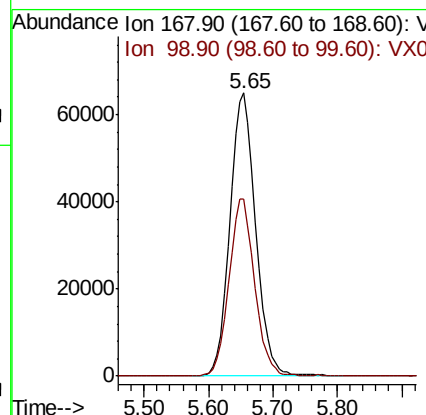
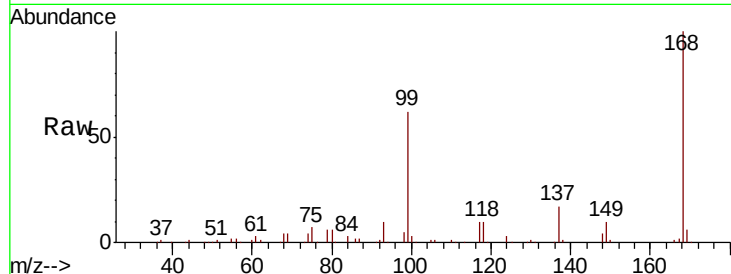




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

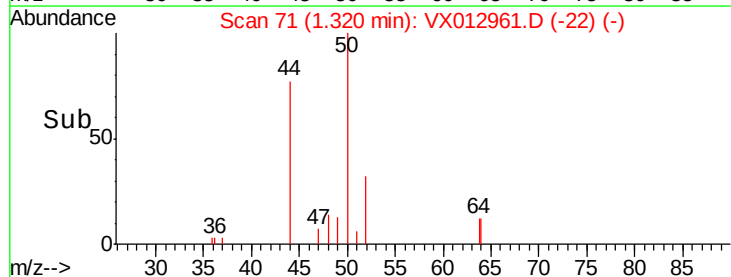
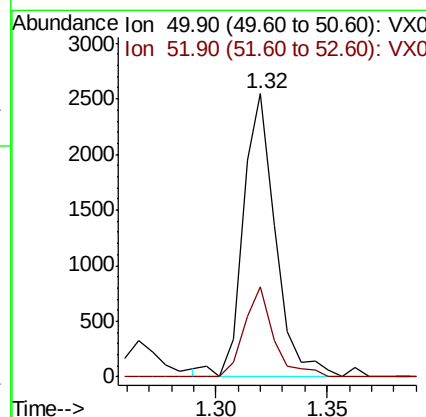
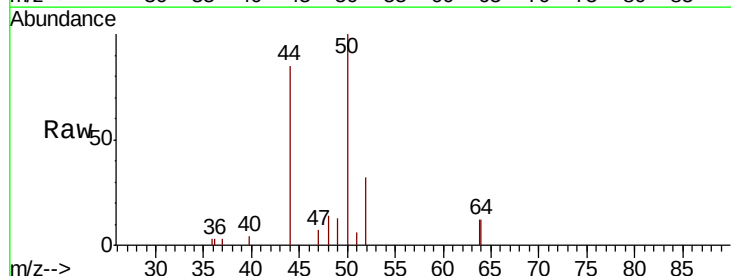
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7203A

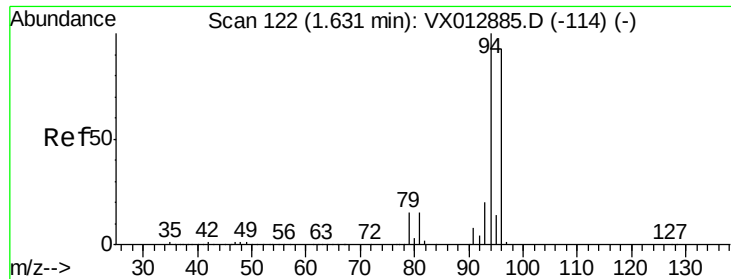
Tot Ion:168 Resp: 182489
Ion Ratio Lower Upper
168 100
99 62.4 49.4 74.0



#3
Chloromethane
Concen: 1.268 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

Tgt Ion: 50 Resp: 2566
Ion Ratio Lower Upper
50 100
52 32.0 25.2 37.8





#5

Bromomethane

Concen: 0.518 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

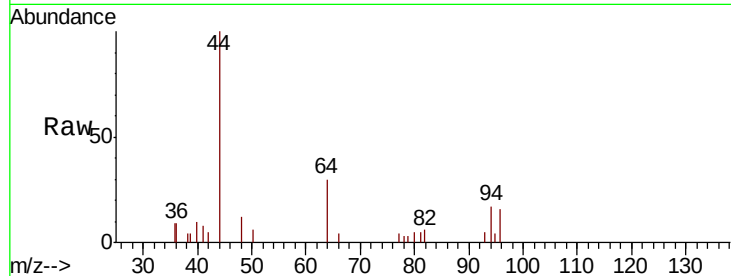
FA19-JBW7203A

Tot Ion: 94 Resp: 450

Ion Ratio Lower Upper

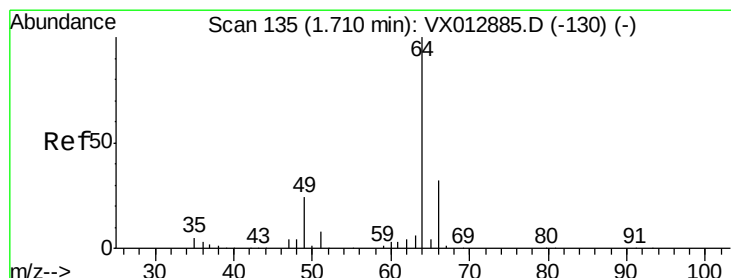
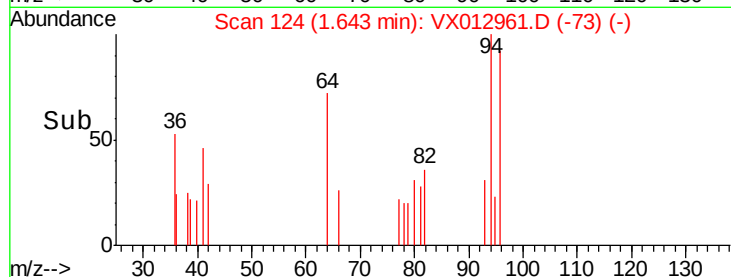
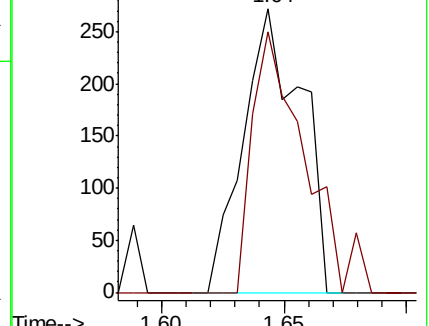
94 100

96 91.9 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: 0.535 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012961.D

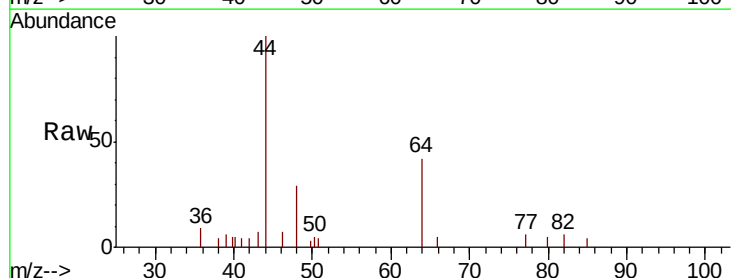
Acq: 09 Oct 2019 23:30

Tgt Ion: 64 Resp: 215

Ion Ratio Lower Upper

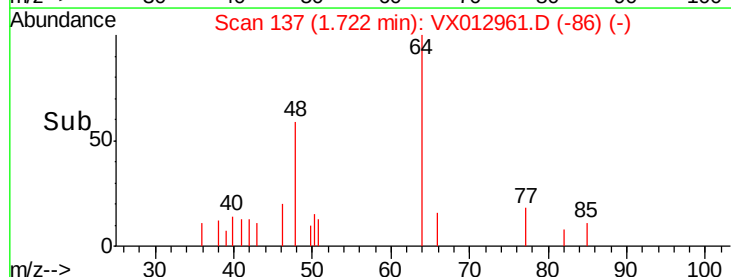
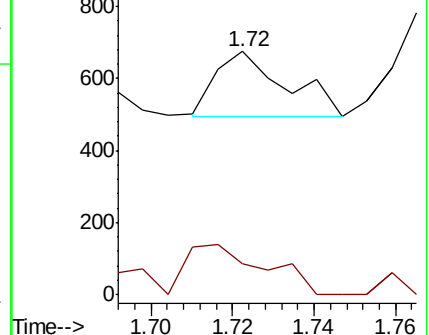
64 100

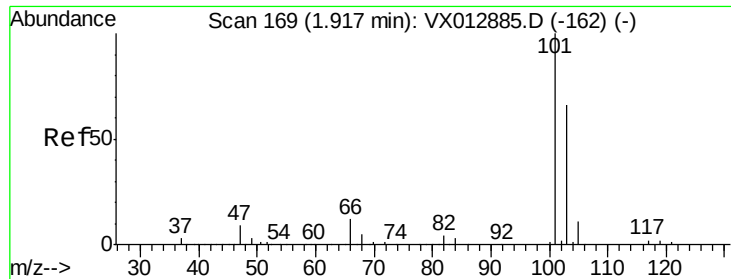
66 47.8 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 0.240 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

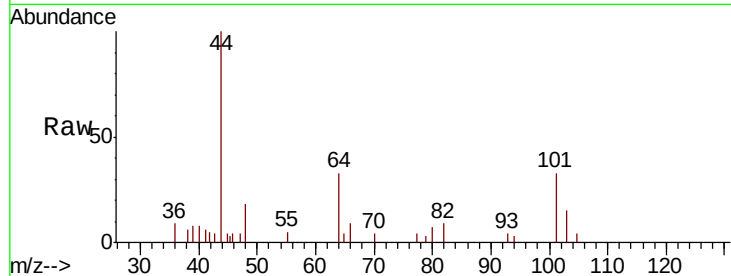
FA19-JBW7203A

Tot Ion:101 Resp: 677

Ion Ratio Lower Upper

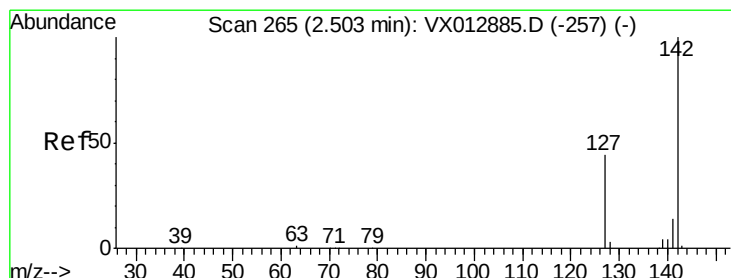
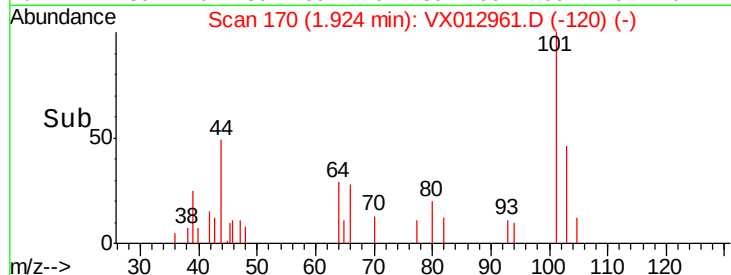
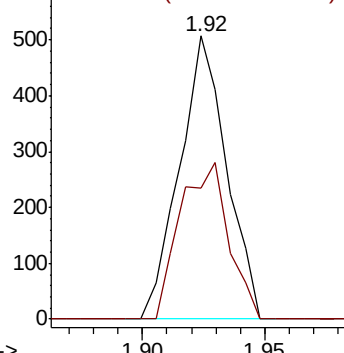
101 100

103 46.4 52.5 78.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#10

Methyl Iodide

Concen: 5.259 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

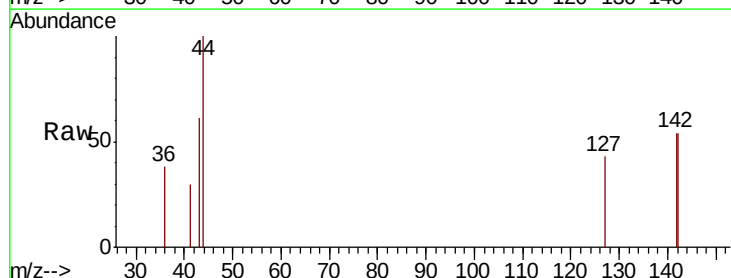
Tgt Ion:142 Resp: 409

Ion Ratio Lower Upper

142 100

127 50.1 34.9 52.3

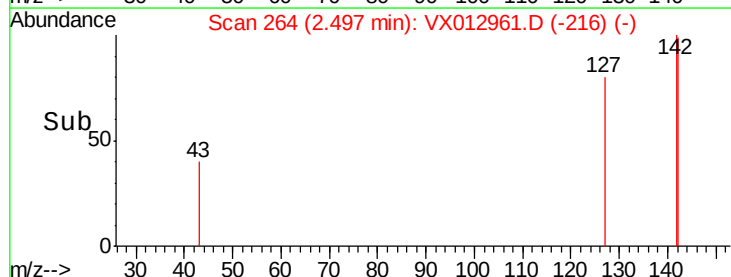
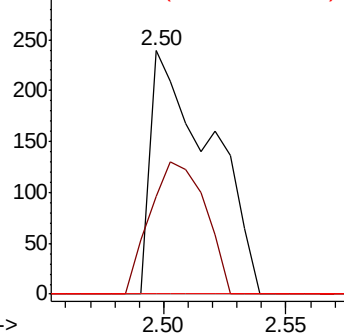
141 0.0 11.6 17.4#

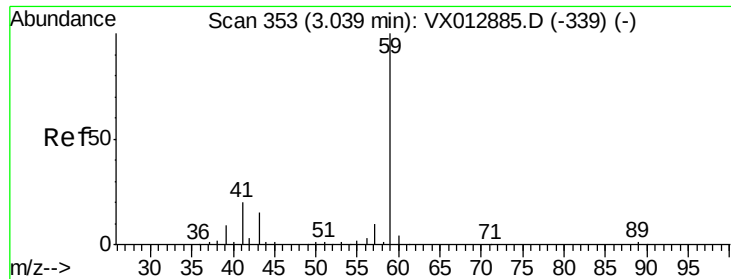


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



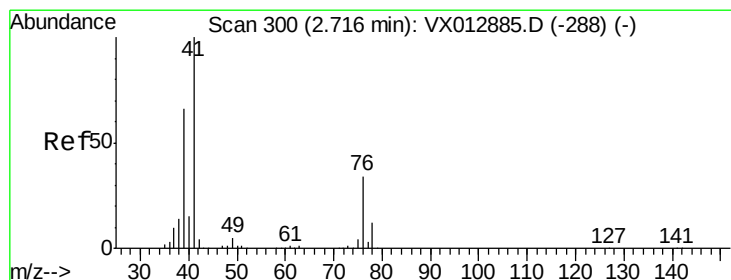
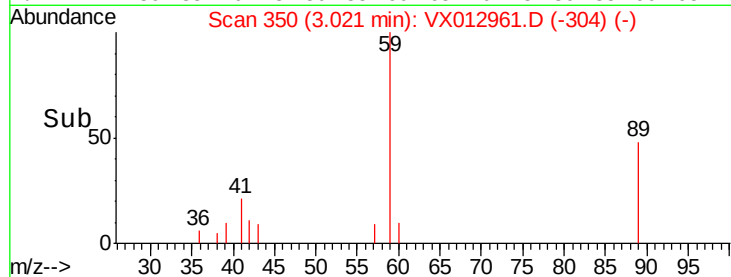
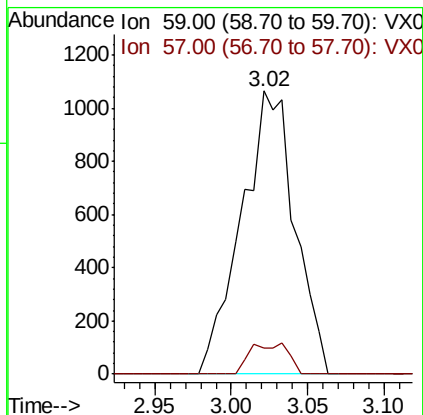
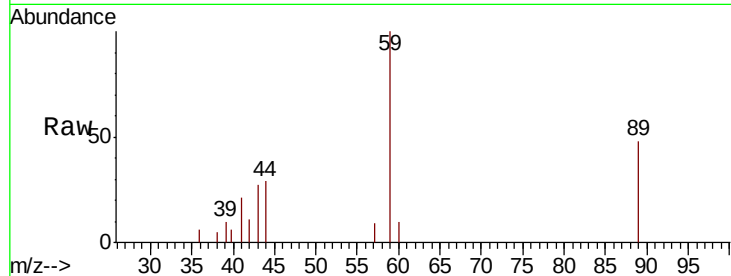


#11

Tert butyl alcohol
 Concen: 4.285 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX012961.D
 Acq: 09 Oct 2019 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7203A

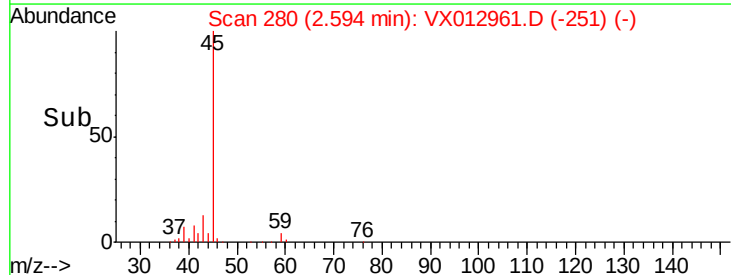
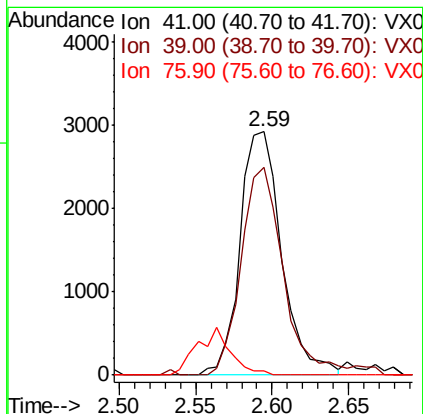
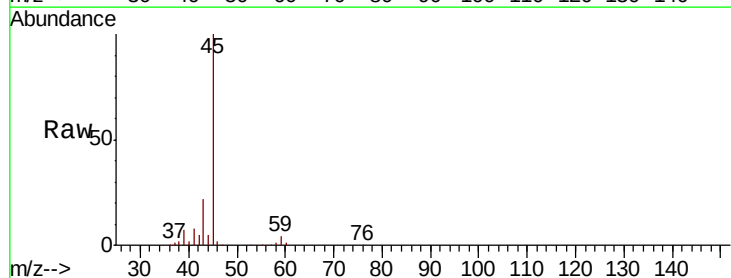
Tot Ion: 59 Resp: 2591
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.3 12.5#

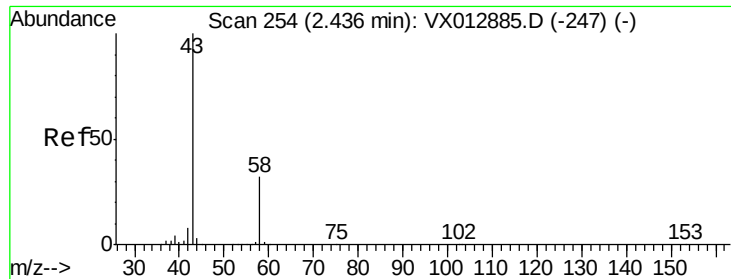


#14

Allyl chloride
 Concen: 1.685 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012961.D
 Acq: 09 Oct 2019 23:30

Tgt Ion: 41 Resp: 5534
 Ion Ratio Lower Upper
 41 100
 39 86.5 51.0 76.6#
 76 0.0 26.2 39.4#





#16

Acetone

Concen: 11.435 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

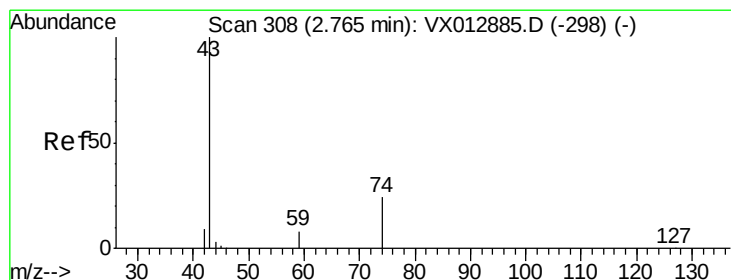
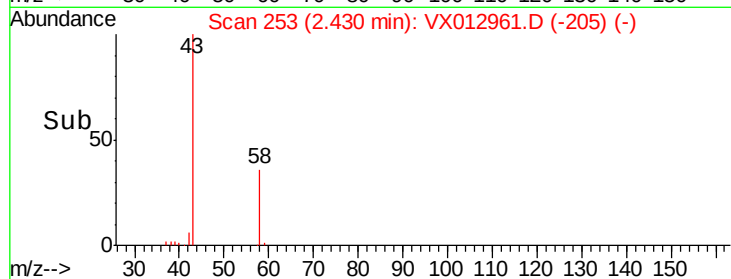
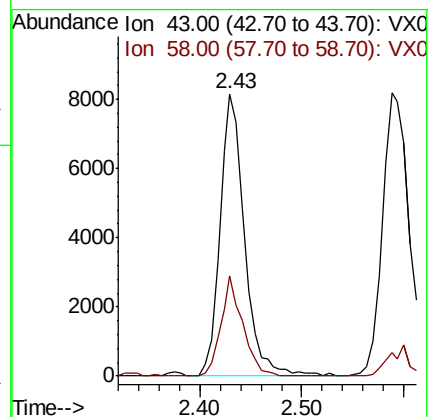
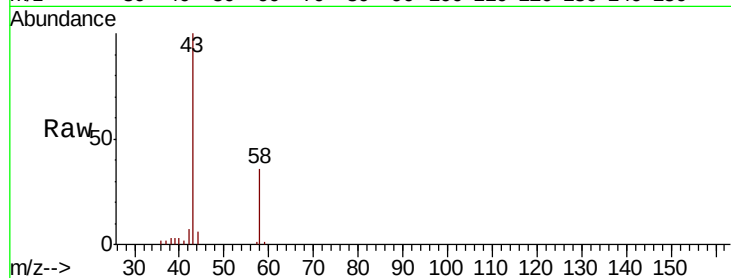
FA19-JBW7203A

Tot Ion: 43 Resp: 13748

Ion Ratio Lower Upper

43 100

58 35.6 25.4 38.2



#18

Methyl Acetate

Concen: 5.644 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.18 min

Lab File: VX012961.D

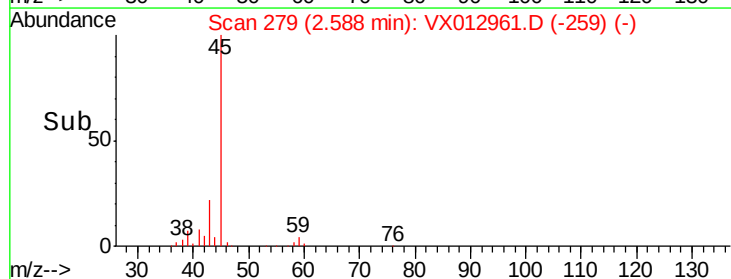
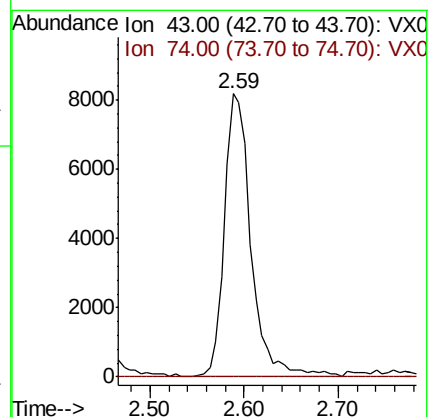
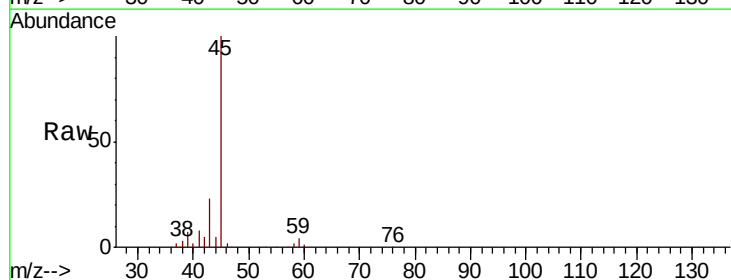
Acq: 09 Oct 2019 23:30

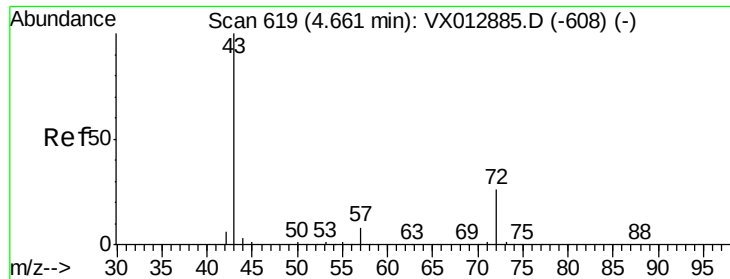
Tgt Ion: 43 Resp: 16084

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

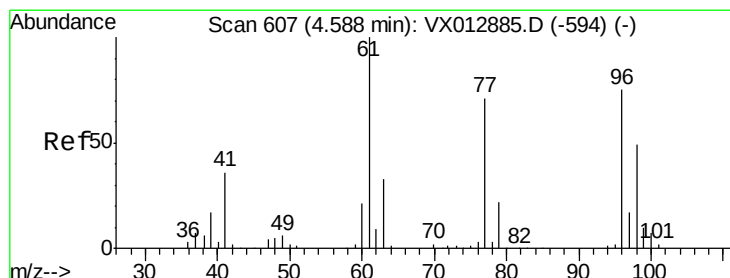
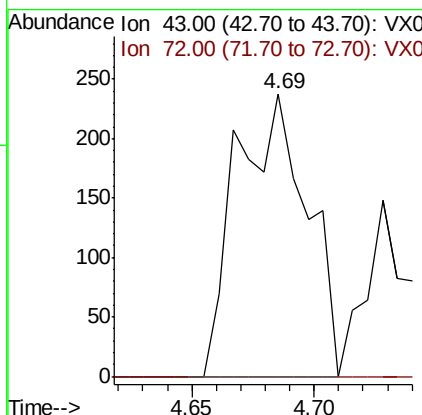
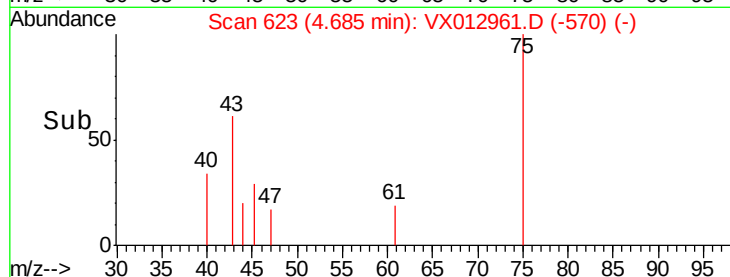
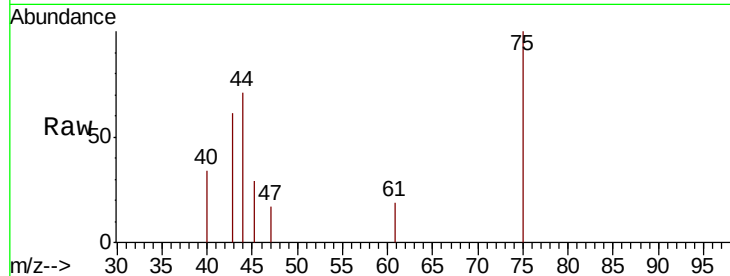




#25
2-Butanone
Concen: 0.287 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

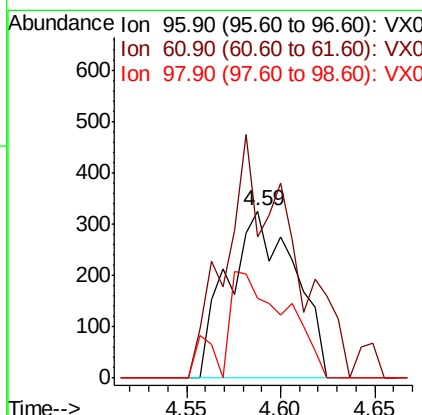
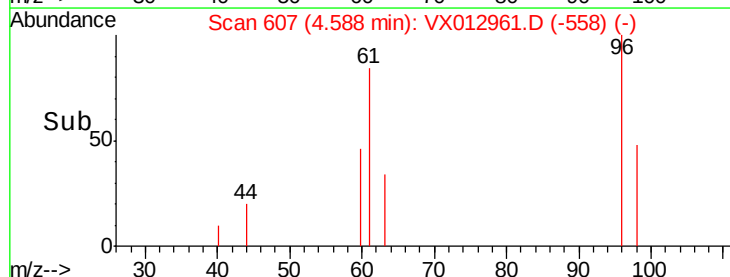
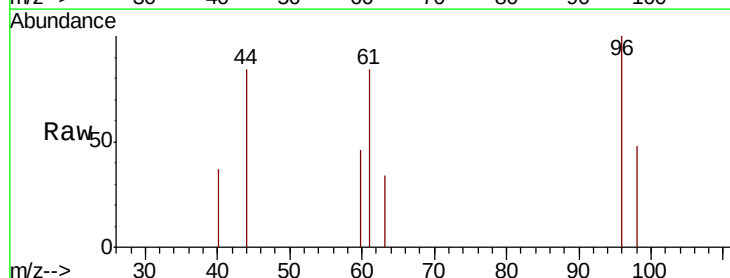
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7203A

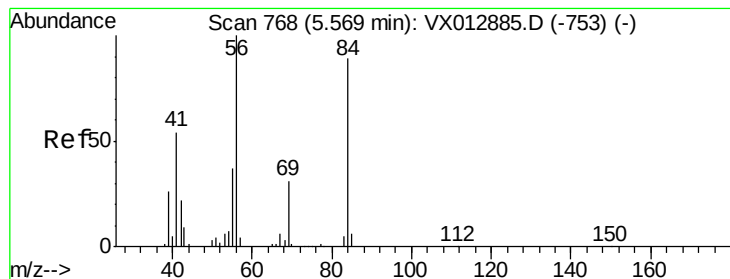
Tot Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#27
cis-1,2-Dichloroethene
Concen: 0.349 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

Tgt Ion: 96 Resp: 796
Ion Ratio Lower Upper
96 100
61 148.9 0.0 290.6
98 59.2 0.0 128.8





#31

Cyclohexane

Concen: 1.126 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7203A

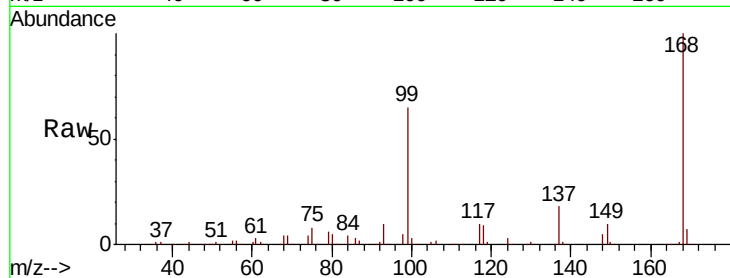
Tot Ion: 56 Resp: 3727

Ion Ratio Lower Upper

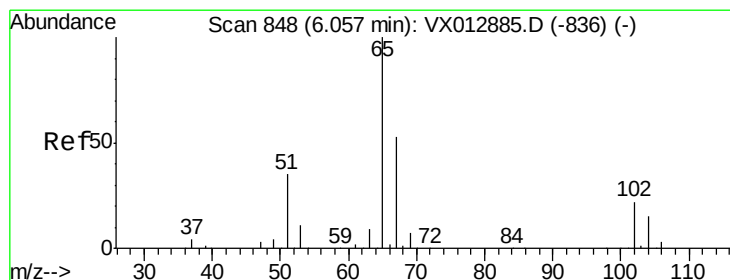
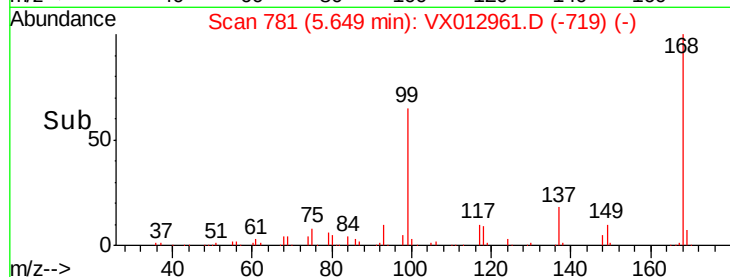
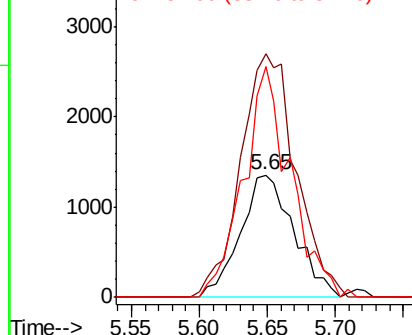
56 100

69 198.8 25.2 37.8#

84 188.1 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: 51.871 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012961.D

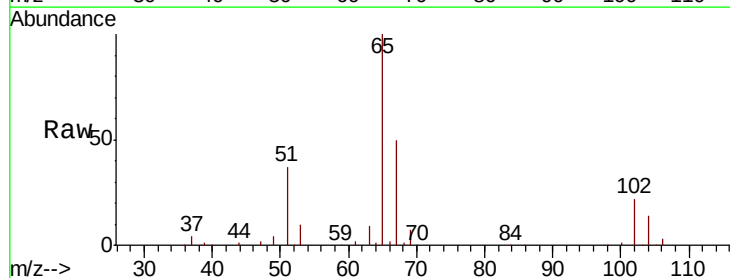
Acq: 09 Oct 2019 23:30

Tgt Ion: 65 Resp: 118312

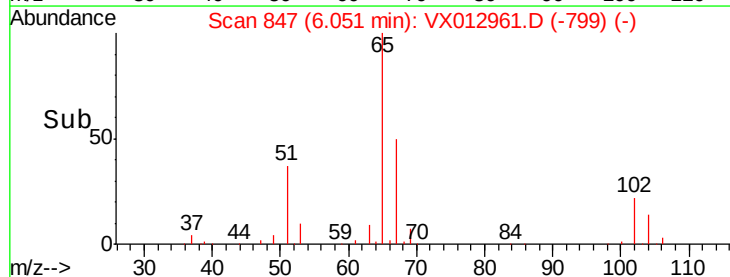
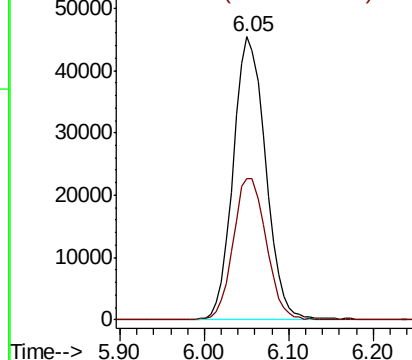
Ion Ratio Lower Upper

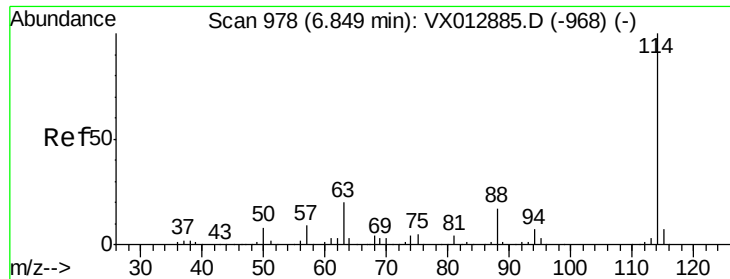
65 100

67 50.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

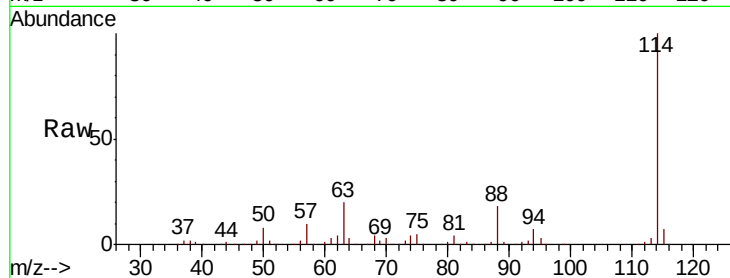




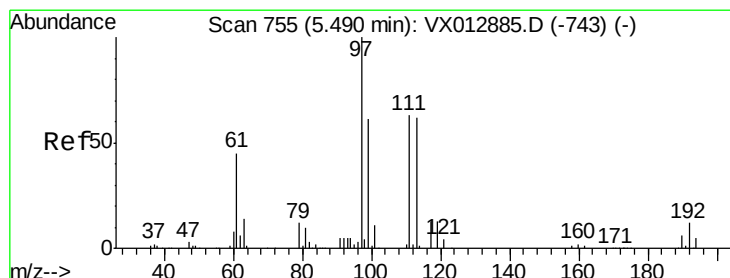
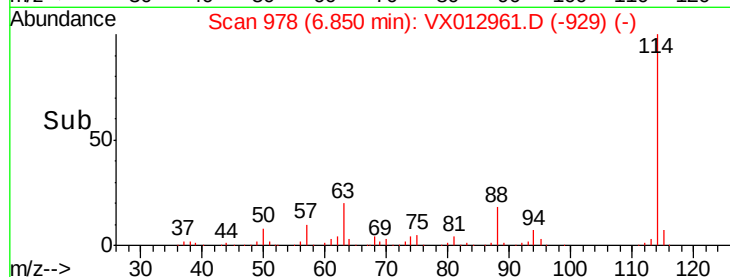
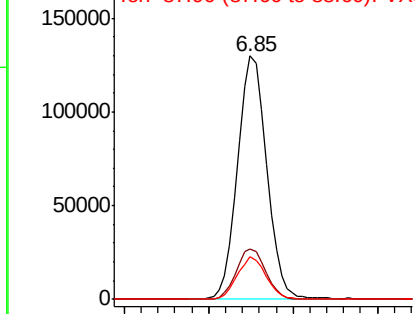
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012961.D
 Acq: 09 Oct 2019 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7203A

Tot Ion:114 Resp: 304186
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 17.6 0.0 33.8

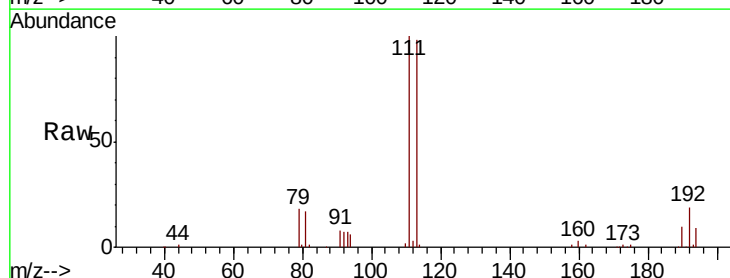


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

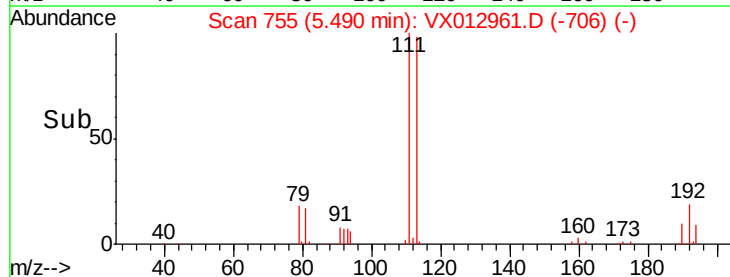
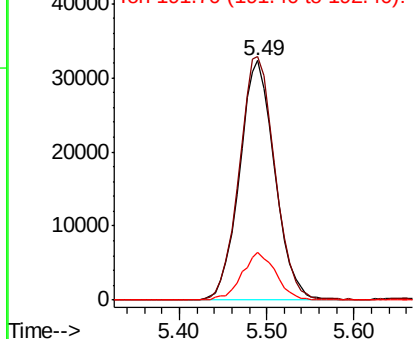


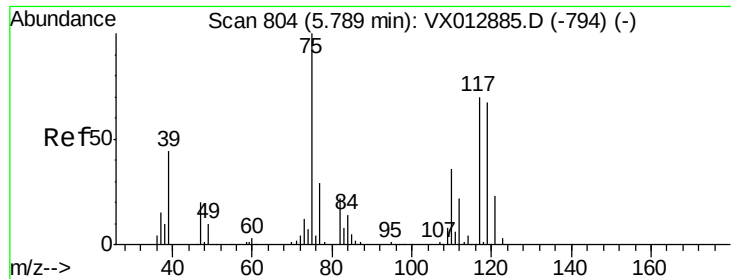
#35
 Dibromofluoromethane
 Concen: 51.676 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012961.D
 Acq: 09 Oct 2019 23:30

Tgt Ion:113 Resp: 90220
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.2 124.8
 192 19.1 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

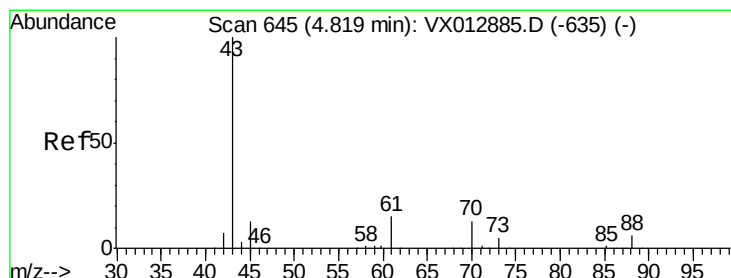
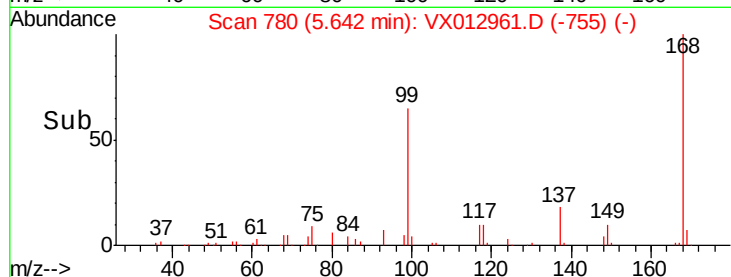
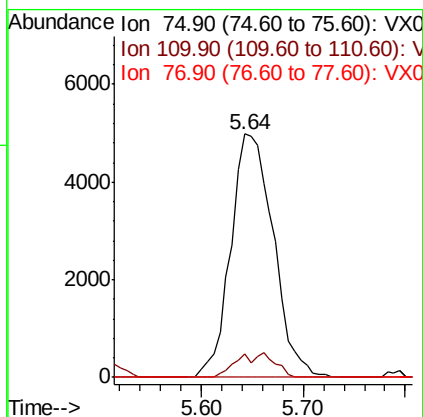
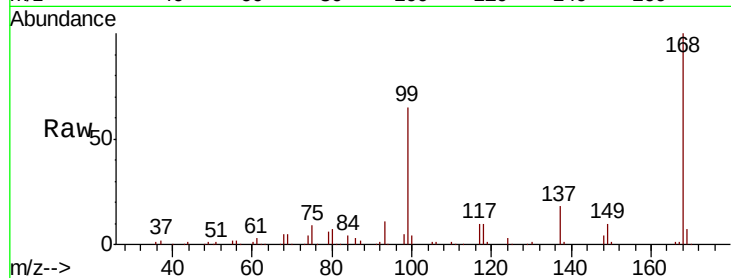




#36
 1,1-Dichloropropene
 Concen: 5.394 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012961.D
 Acq: 09 Oct 2019 23:30

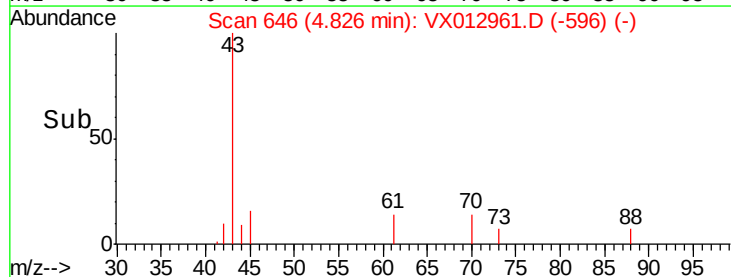
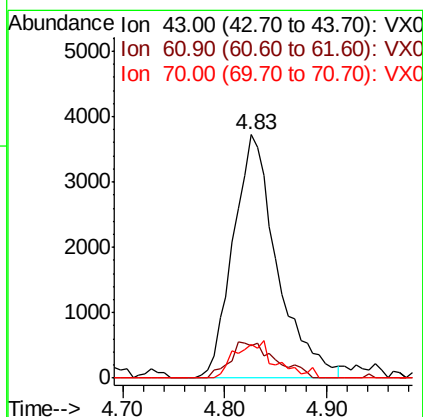
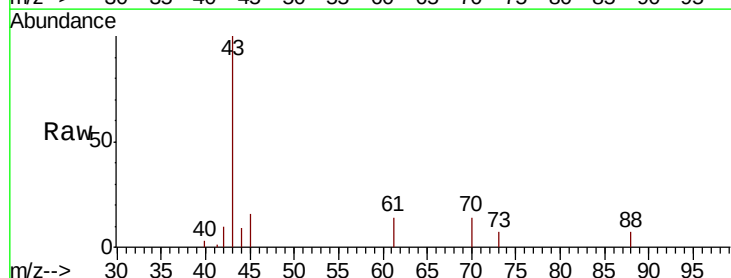
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7203A

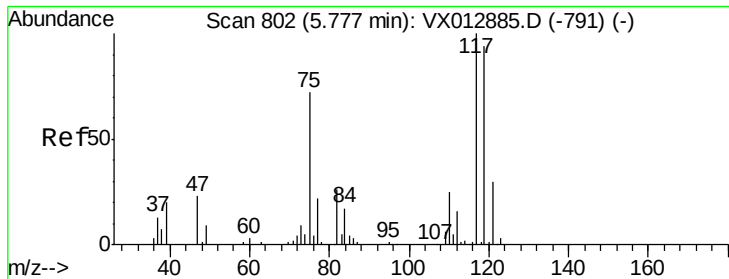
Tot Ion: 75 Resp: 14425
 Ion Ratio Lower Upper
 75 100
 110 4.2 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 3.729 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX012961.D
 Acq: 09 Oct 2019 23:30

Tgt Ion: 43 Resp: 11153
 Ion Ratio Lower Upper
 43 100
 61 15.2 11.4 17.0
 70 0.0 9.8 14.6#





#38

Carbon Tetrachloride

Concen: 7.304 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7203A

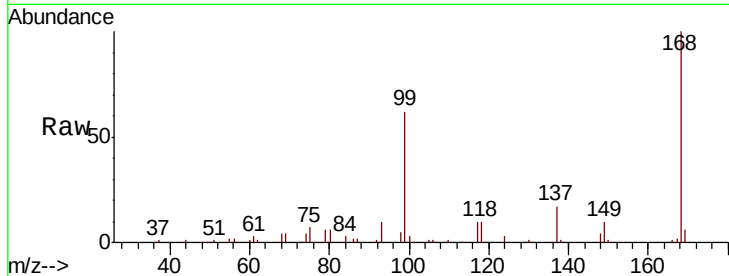
Tot Ion:117 Resp: 19014

Ion Ratio Lower Upper

117 100

119 4.2 74.5 111.7#

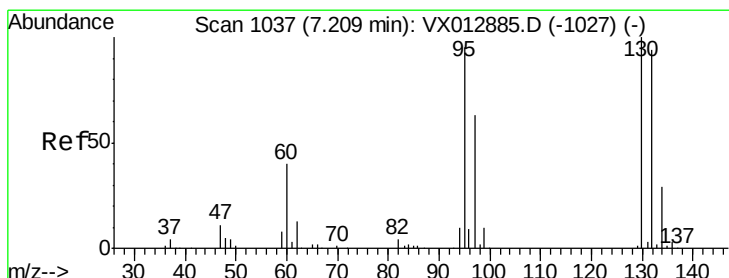
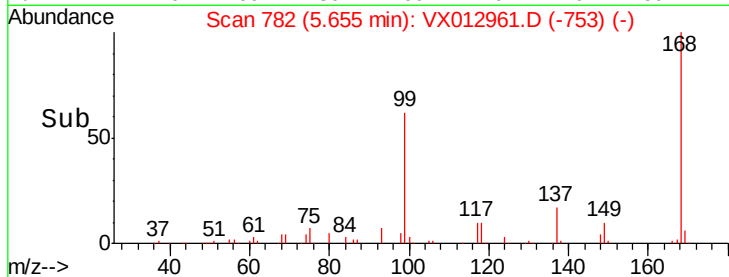
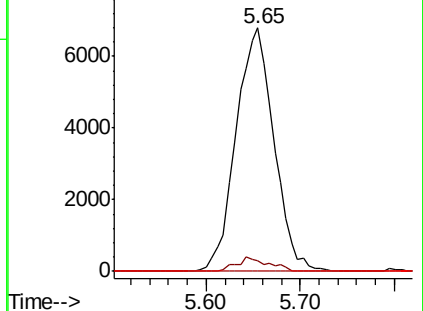
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 1.305 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012961.D

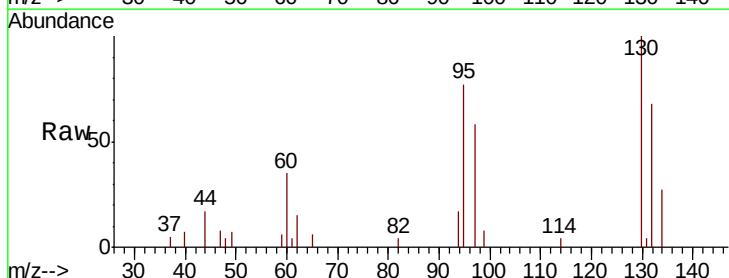
Acq: 09 Oct 2019 23:30

Tgt Ion:130 Resp: 2859

Ion Ratio Lower Upper

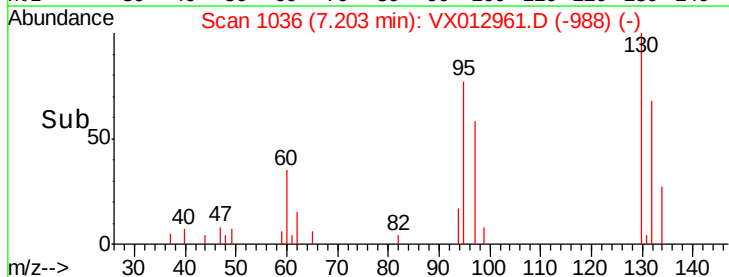
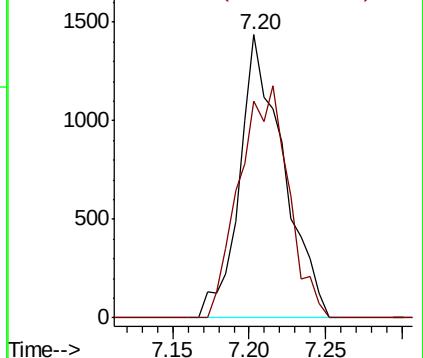
130 100

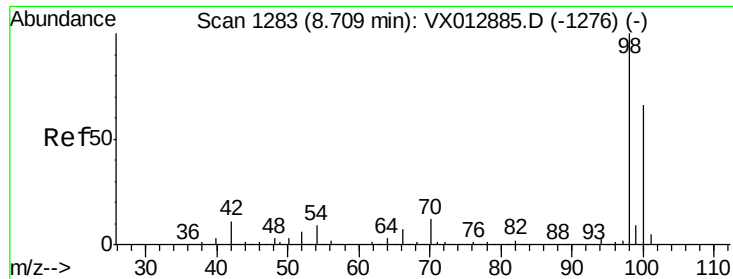
95 76.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

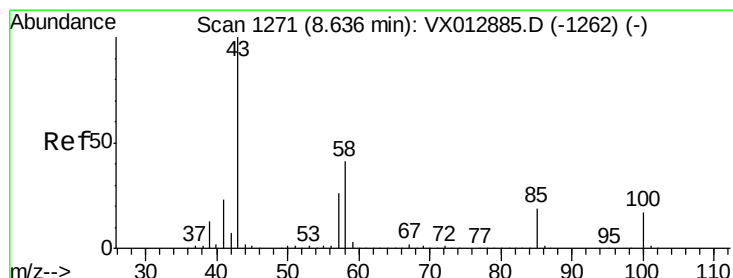
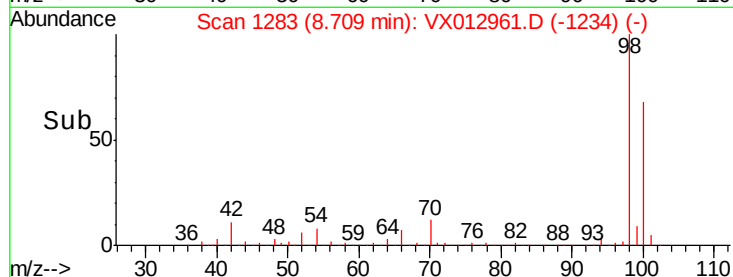
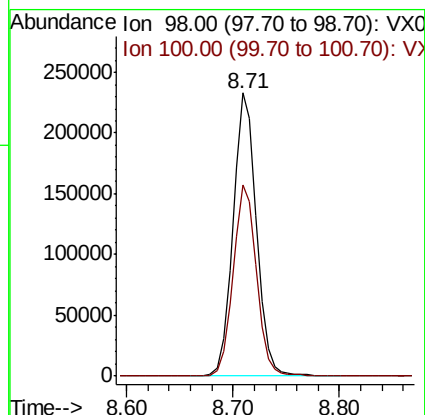
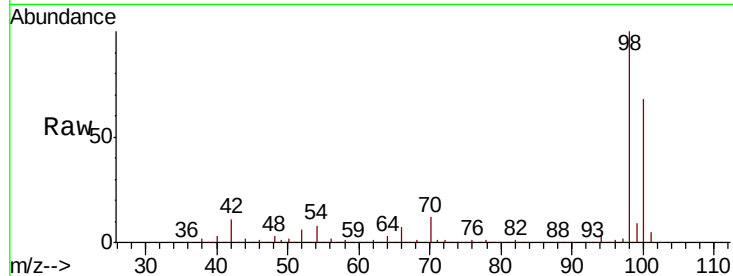




#50
Toluene-d8
Concen: 52.636 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

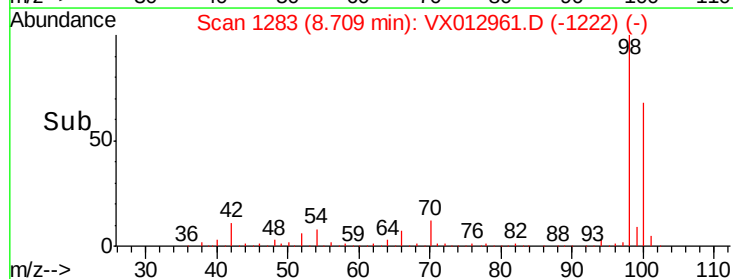
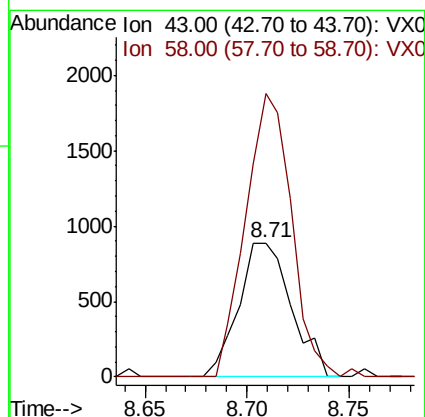
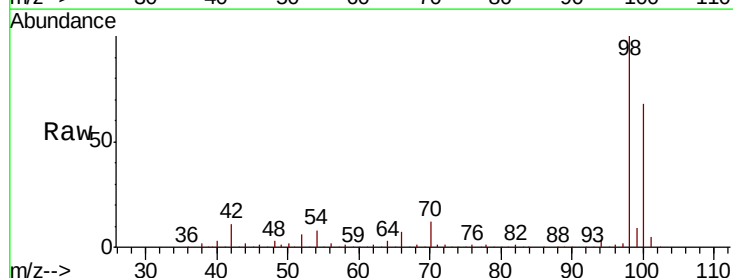
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7203A

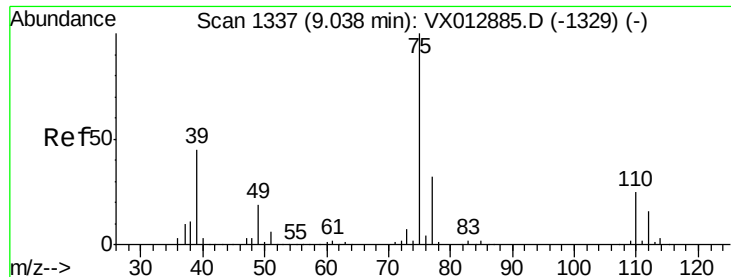
Tot Ion: 98 Resp: 358414
Ion Ratio Lower Upper
98 100
100 67.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.534 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
58 185.0 32.4 48.6#

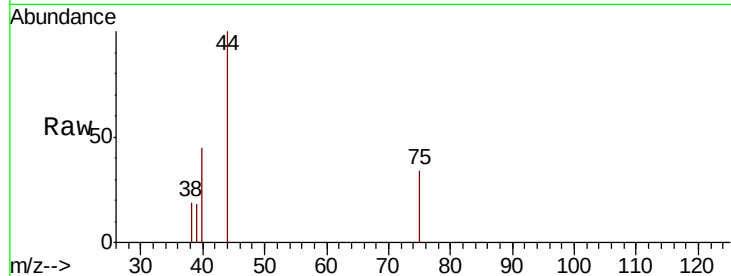




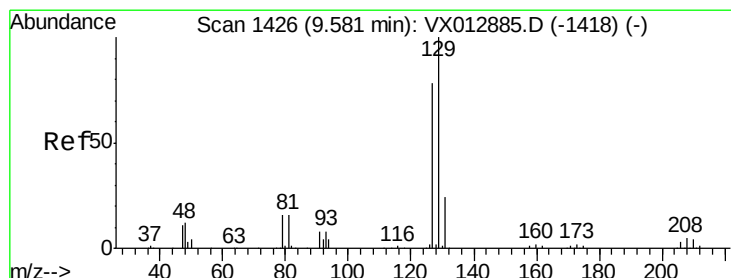
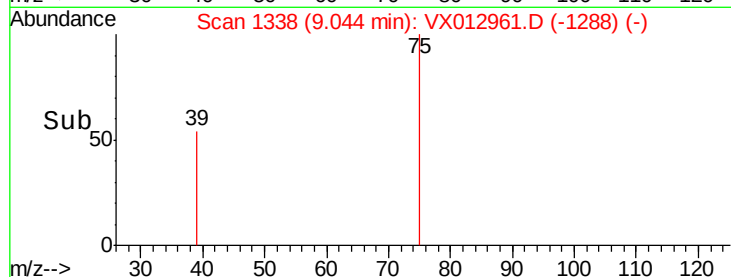
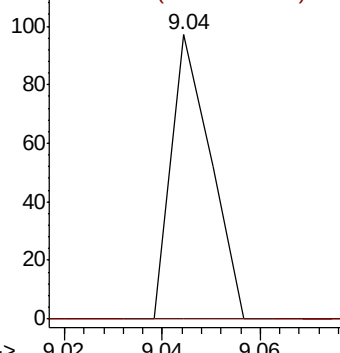
#53
t-1,3-Dichloropropene
Concen: 2.185 ug/l
RT: 9.04 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7203A

Tot Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

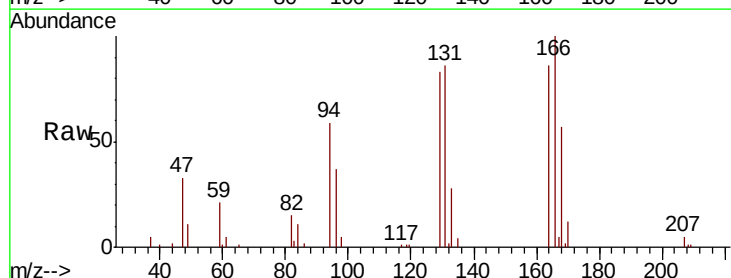


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0

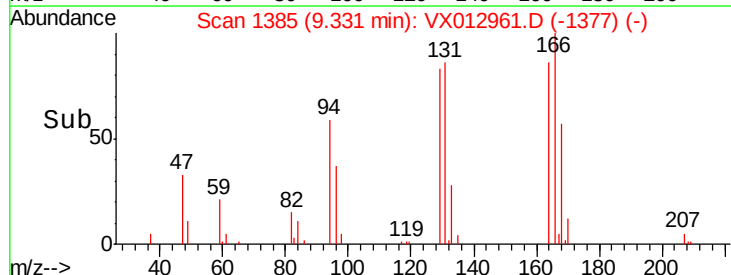
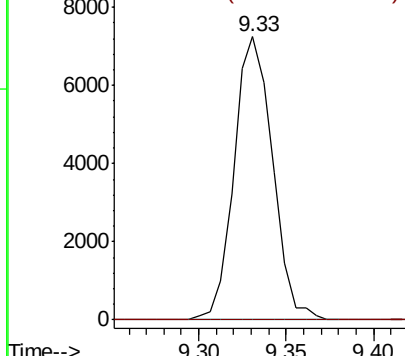


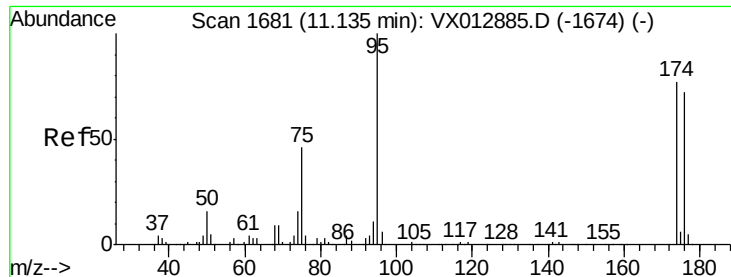
#60
Dibromochloromethane
Concen: 6.646 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

Tgt Ion:129 Resp: 11069
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.294 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7203A

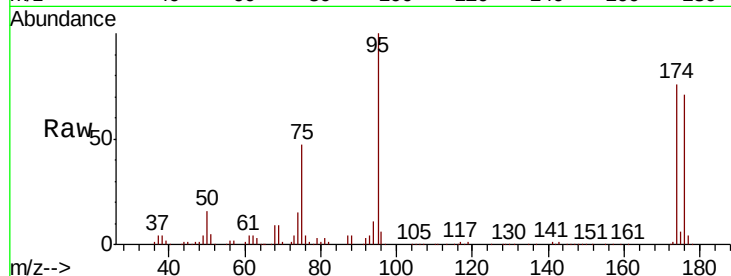
Tot Ion: 95 Resp: 125130

Ion Ratio Lower Upper

95 100

174 72.5 0.0 143.4

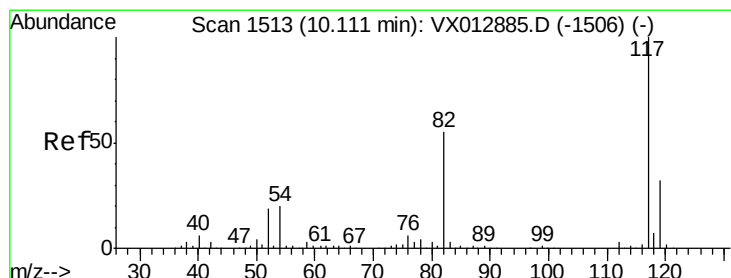
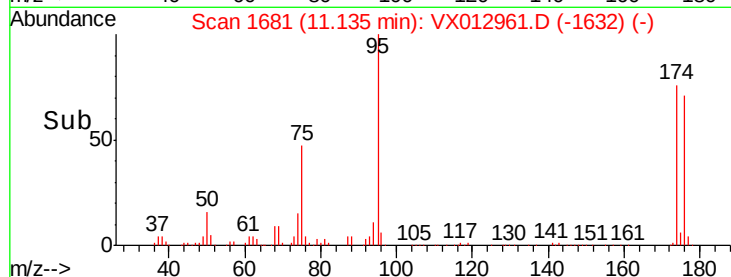
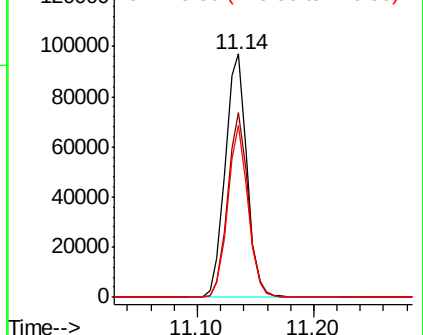
176 66.6 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

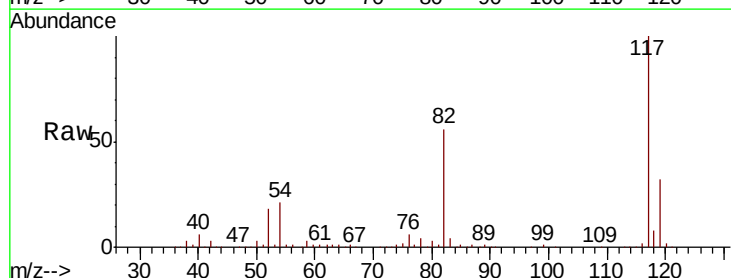
Tgt Ion: 117 Resp: 264391

Ion Ratio Lower Upper

117 100

82 56.2 44.1 66.1

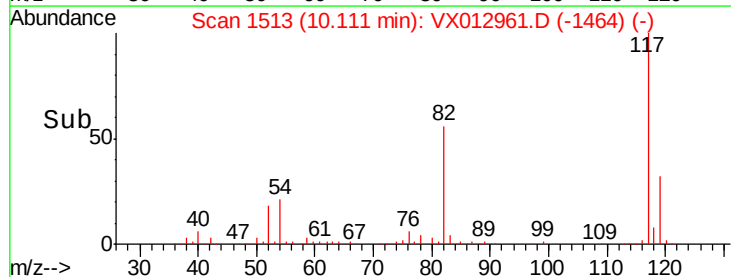
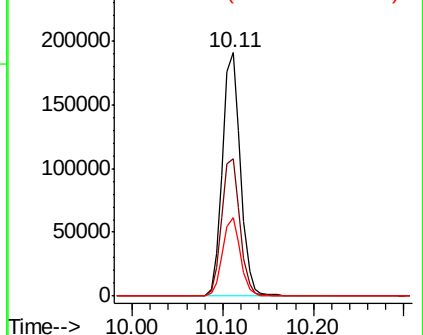
119 32.4 25.8 38.8

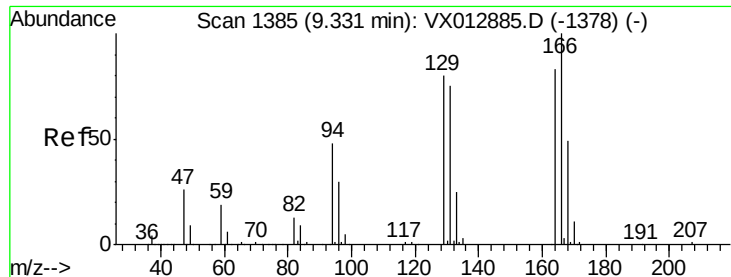


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

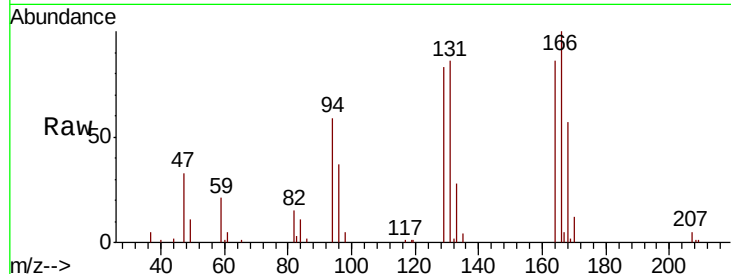




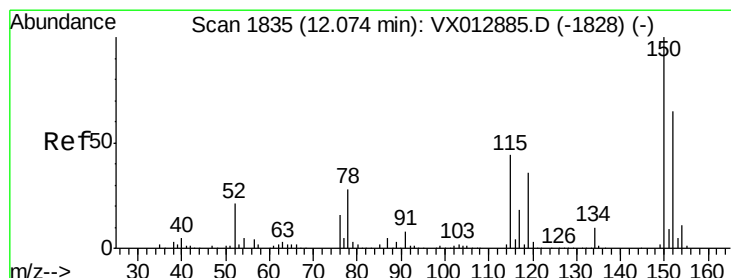
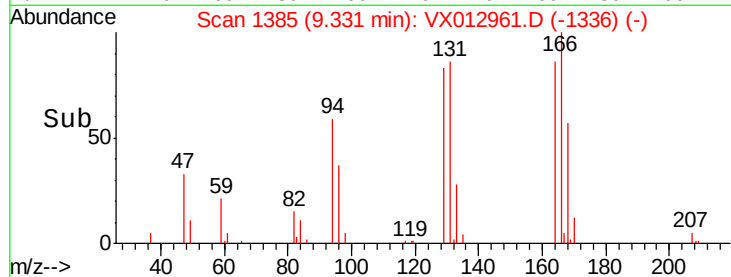
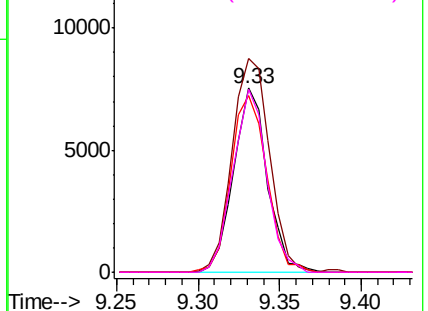
#64
Tetrachloroethene
Concen: 5.946 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7203A

Tot Ion:164 Resp: 10903
Ion Ratio Lower Upper
164 100
166 115.9 96.9 145.3
129 96.0 77.9 116.9
131 99.5 72.7 109.1

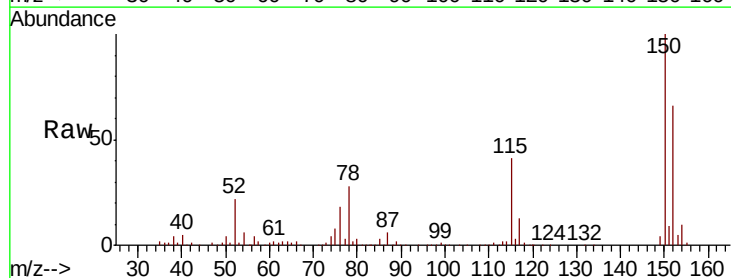


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

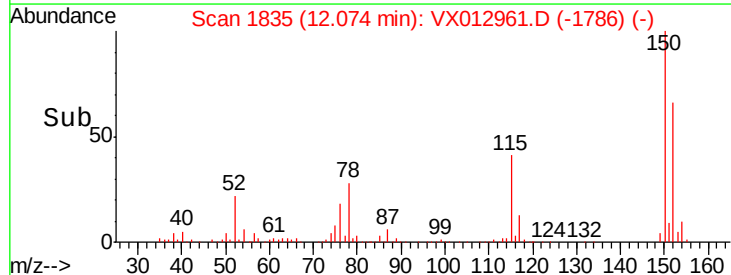
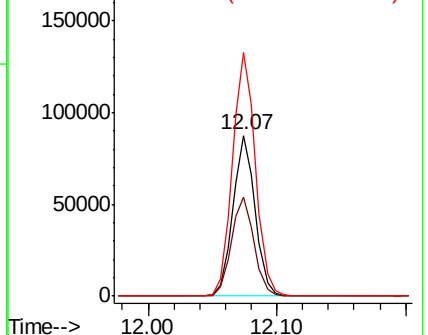


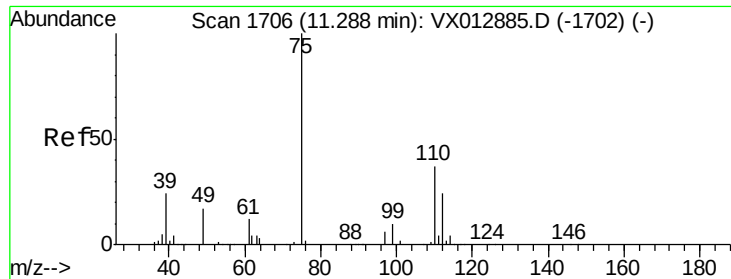
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012961.D
Acq: 09 Oct 2019 23:30

Tgt Ion:152 Resp: 105171
Ion Ratio Lower Upper
152 100
115 63.2 44.5 133.5
150 156.1 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: 26.276 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

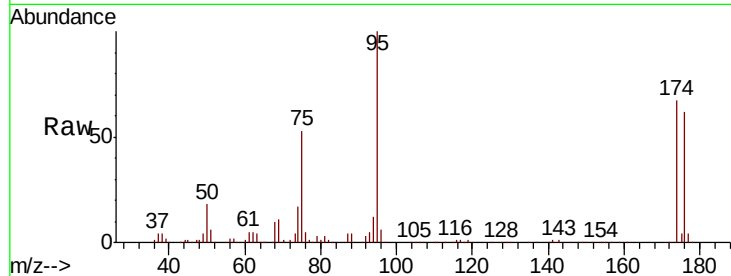
FA19-JBW7203A

Tot Ion: 75 Resp: 61294

Ion Ratio Lower Upper

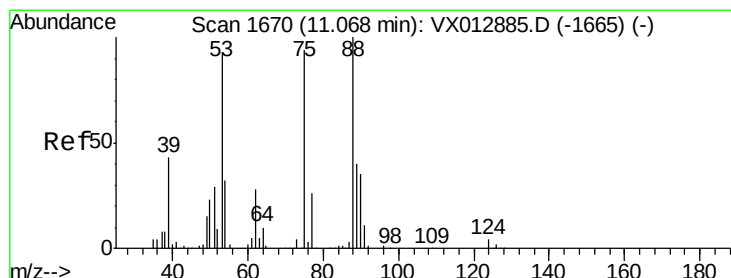
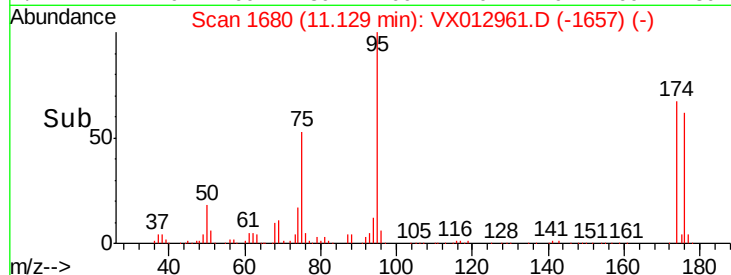
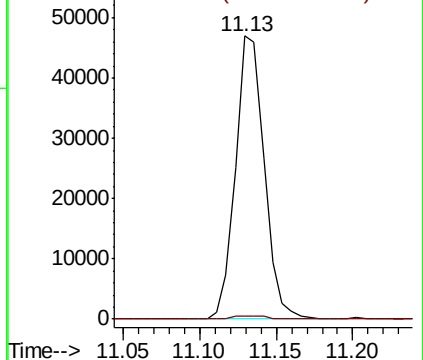
75 100

77 1.4 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: 66.134 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012961.D

Acq: 09 Oct 2019 23:30

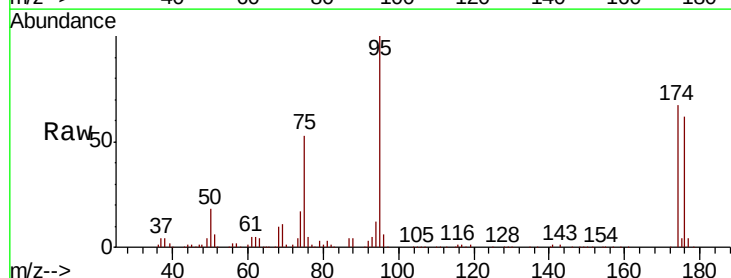
Tgt Ion: 75 Resp: 61294

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

