

Data File : VX013963.D
Acq On : 12 Dec 2019 00:07
Operator : JC/SP
Sample : K6252-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB02-20191209

Quant Time: Dec 12 04:09:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	543486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	829365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	744874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	335653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	302047	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	5.49	113	241327	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	8.71	98	981081	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	338393	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

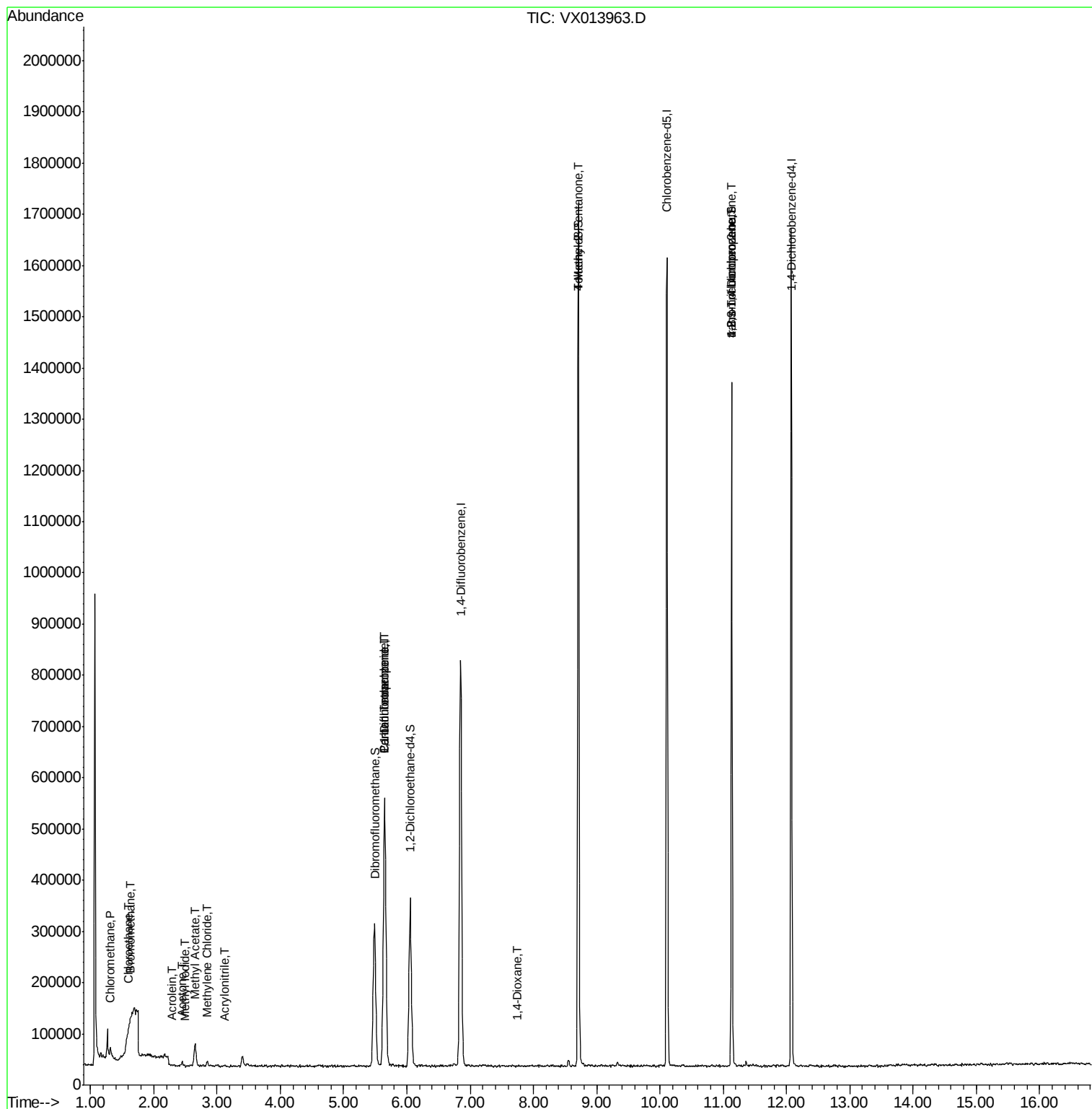
						Qvalue
3) Chloromethane	1.31	50	7868	1.159	ug/l	97
5) Bromomethane	1.63	94	2567	0.500	ug/l	85
6) Chloroethane	1.59	64	25654	5.901	ug/l #	47
10) Methyl Iodide	2.50	142	1378	0.220	ug/l #	90
13) Acrolein	2.29	56	281	6.267	ug/l #	15
15) Acrylonitrile	3.11	53	900	0.280	ug/l #	1
16) Acetone	2.45	43	8425	2.705	ug/l #	89
18) Methyl Acetate	2.66	43	15862	1.829	ug/l #	57
20) Methylene Chloride	2.84	84	5000	0.836	ug/l	94
36) 1,1-Dichloropropene	5.64	75	36706	4.876	ug/l #	46
38) Carbon Tetrachloride	5.65	117	47373	6.824	ug/l #	17
49) 1,4-Dioxane	7.75	88	377	2.493	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	5399	0.617	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	166775	22.091	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	166775	60.437	ug/l #	11

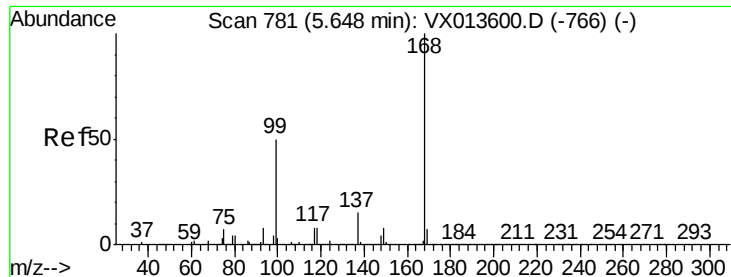
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

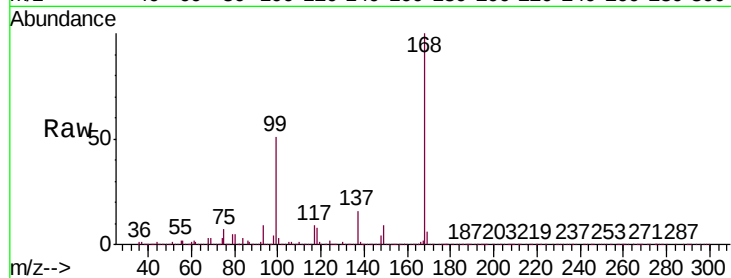
FB02-20191209

Tgt Ion:168 Resp: 543486

Ion Ratio Lower Upper

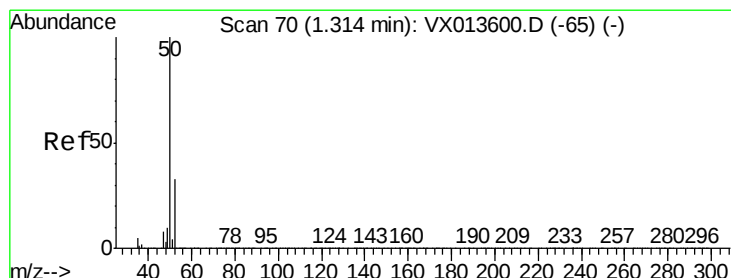
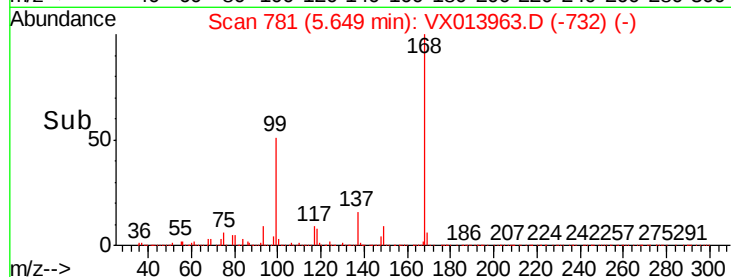
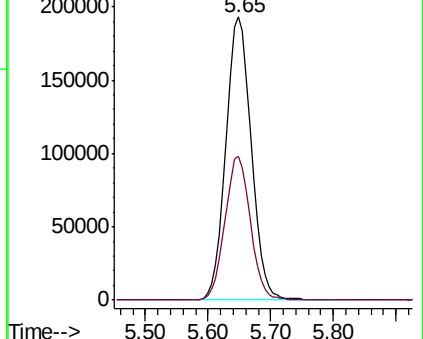
168 100

99 50.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.159 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013963.D

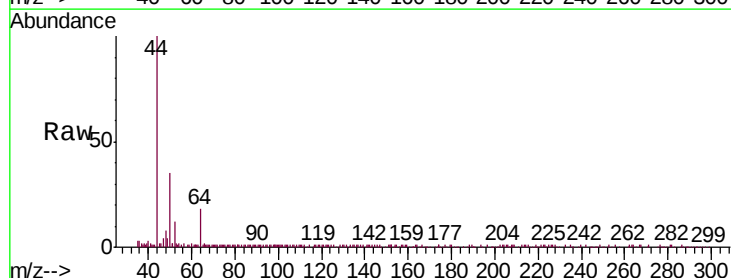
Acq: 12 Dec 2019 00:07

Tgt Ion: 50 Resp: 7868

Ion Ratio Lower Upper

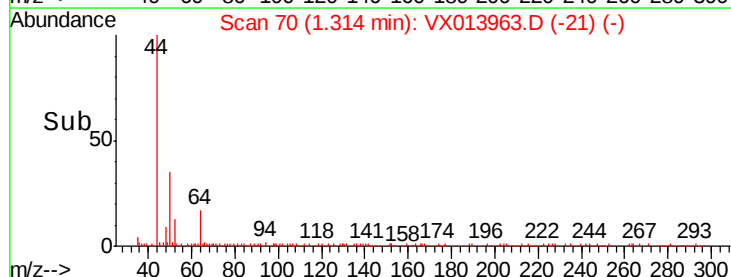
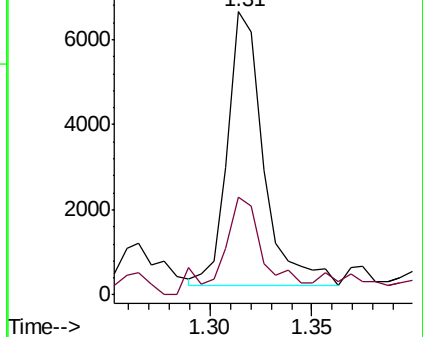
50 100

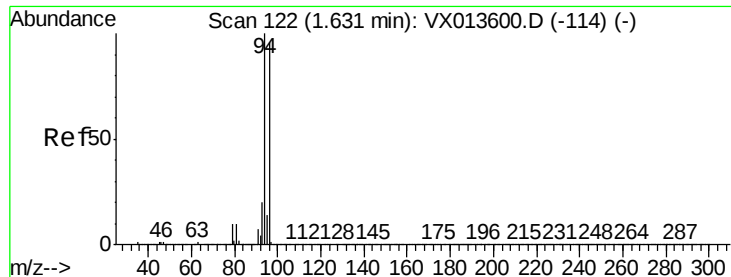
52 30.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.500 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

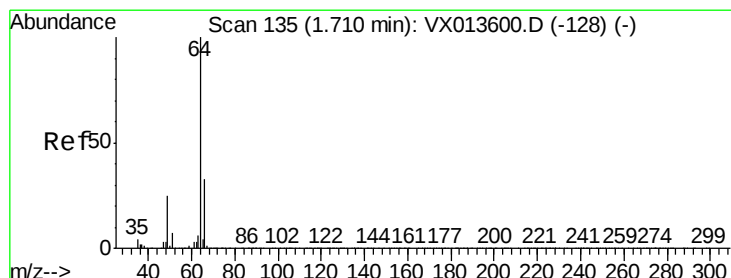
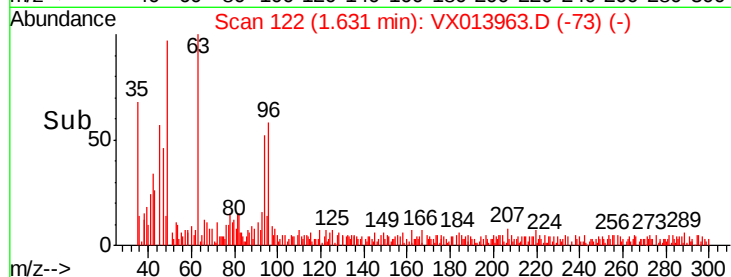
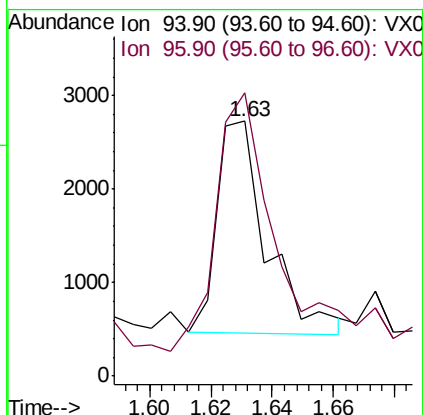
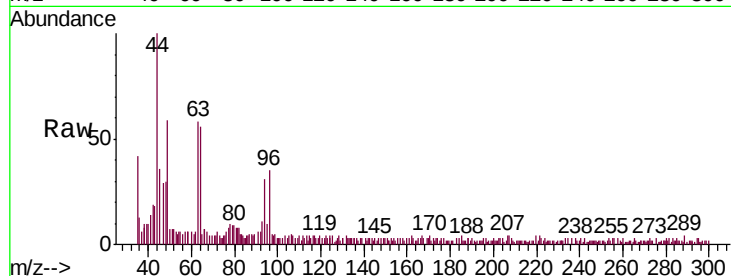
FB02-20191209

Tgt Ion: 94 Resp: 2567

Ion Ratio Lower Upper

94 100

96 110.8 77.0 115.4



#6

Chloroethane

Concen: 5.901 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.12 min

Lab File: VX013963.D

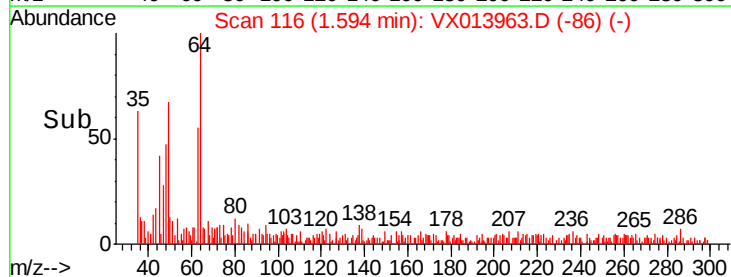
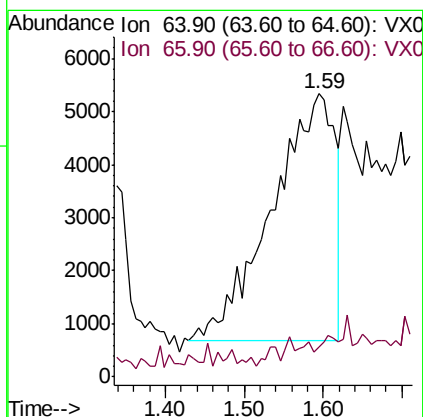
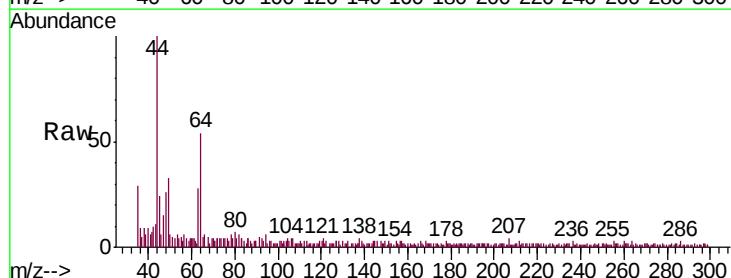
Acq: 12 Dec 2019 00:07

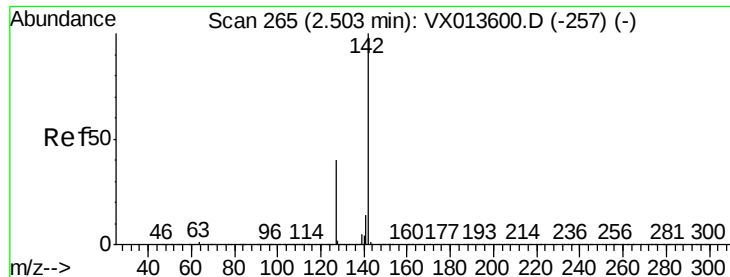
Tgt Ion: 64 Resp: 25654

Ion Ratio Lower Upper

64 100

66 3.0 26.7 40.1#

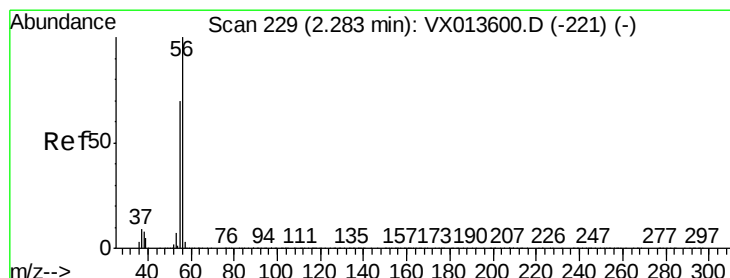
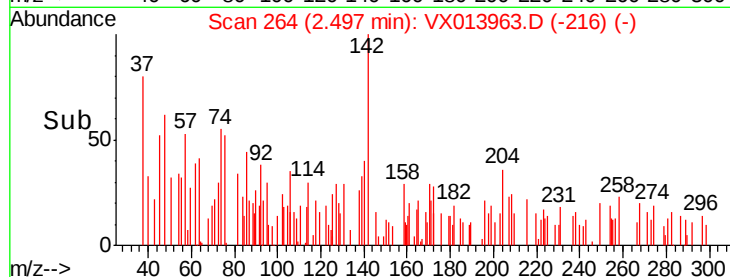
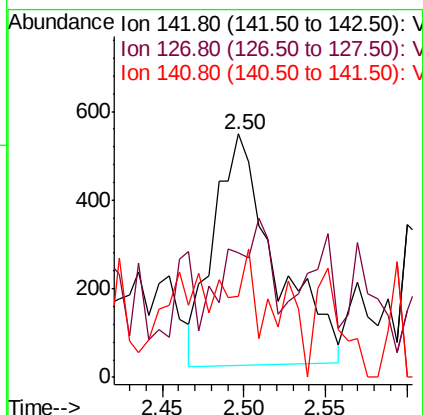
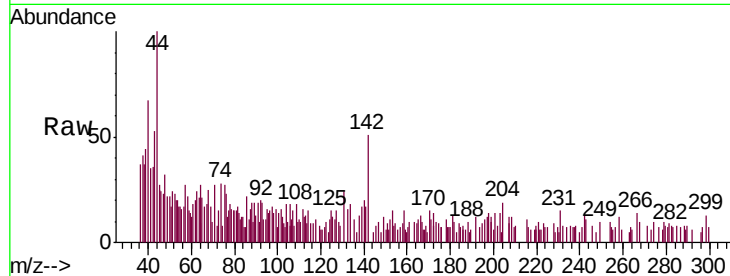




#10
Methyl Iodide
Concen: 0.220 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013963.D
Acq: 12 Dec 2019 00:07

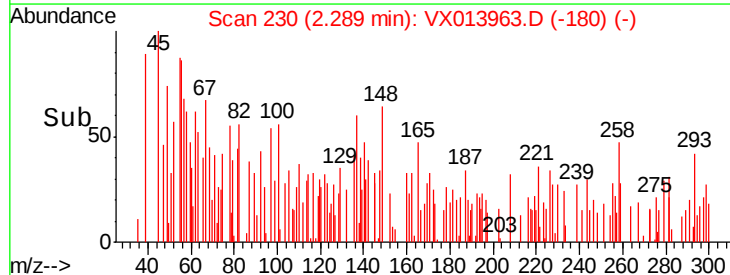
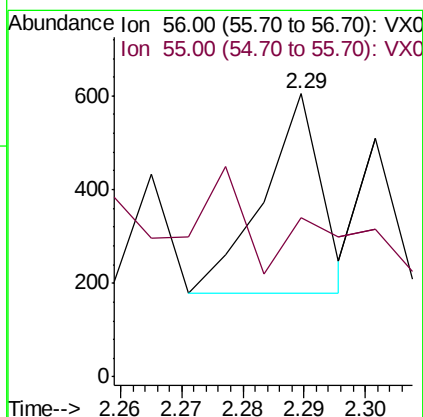
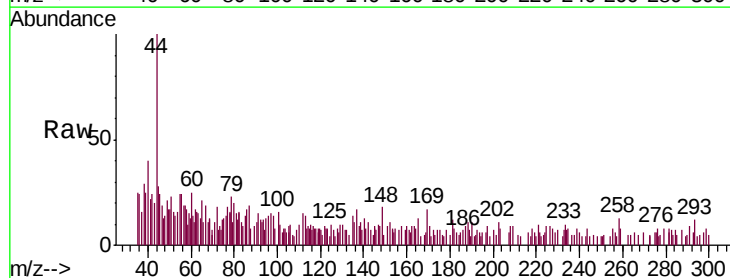
Instrument :
MSVOA_X
ClientSampleId :
FB02-20191209

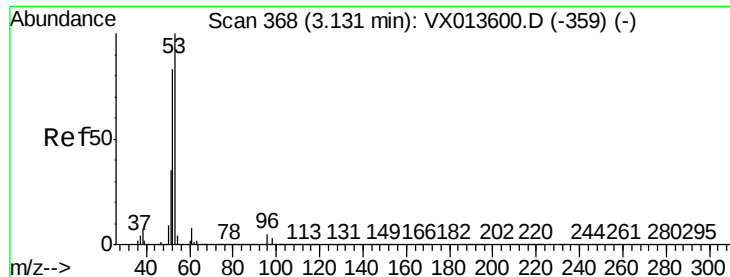
Tgt Ion: 142 Resp: 1378
Ion Ratio Lower Upper
142 100
127 38.6 31.0 46.4
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 6.267 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX013963.D
Acq: 12 Dec 2019 00:07

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#15

Acrylonitrile

Concen: 0.280 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.02 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

FB02-20191209

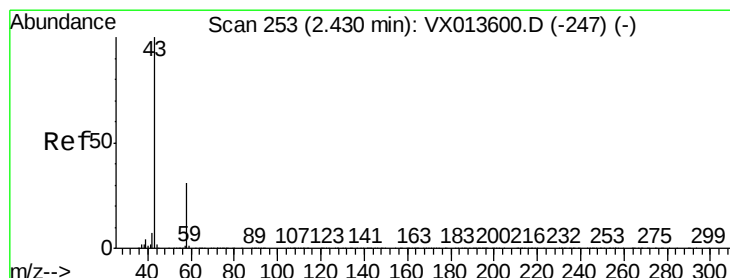
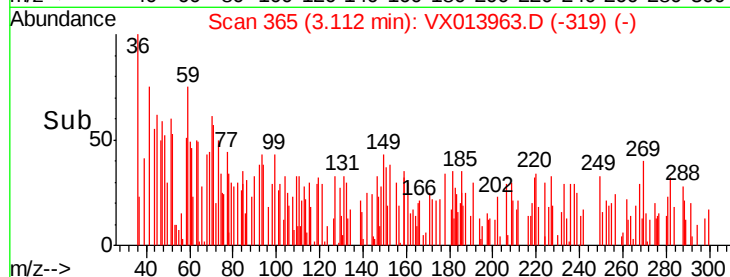
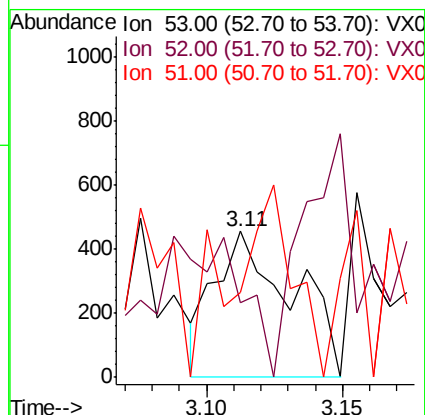
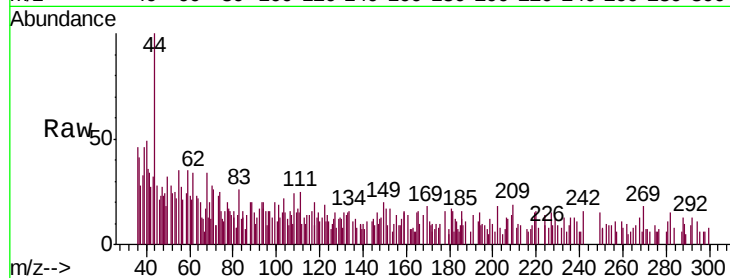
Tgt Ion: 53 Resp: 900

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 104.7 29.0 43.6#



#16

Acetone

Concen: 2.705 ug/l

RT: 2.45 min Scan# 256

Delta R.T. 0.02 min

Lab File: VX013963.D

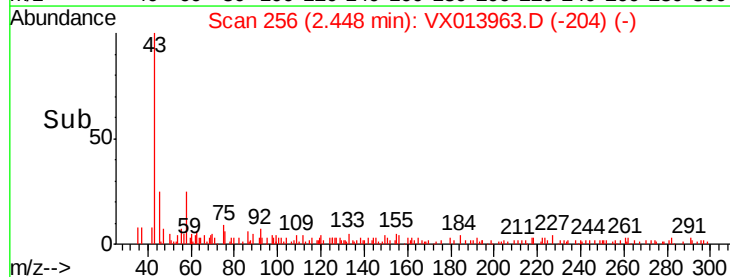
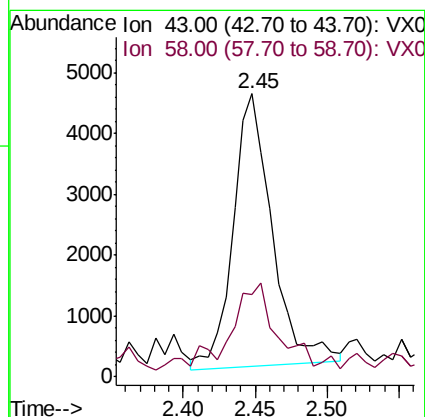
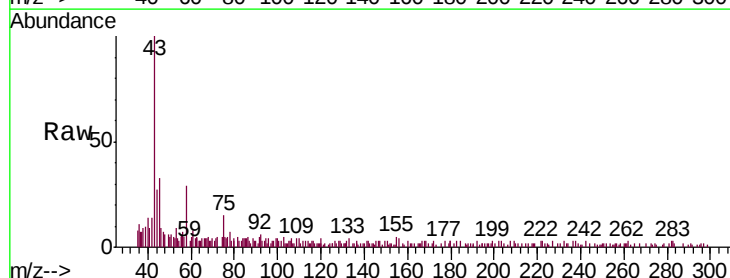
Acq: 12 Dec 2019 00:07

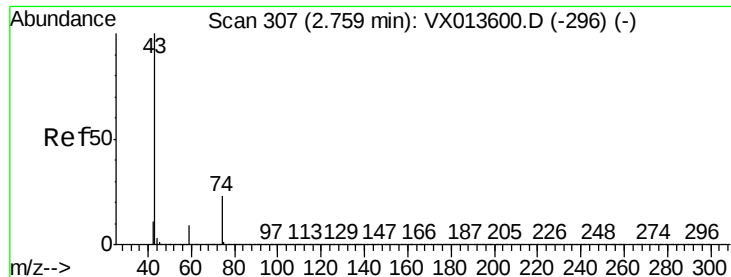
Tgt Ion: 43 Resp: 8425

Ion Ratio Lower Upper

43 100

58 24.4 24.6 36.8#

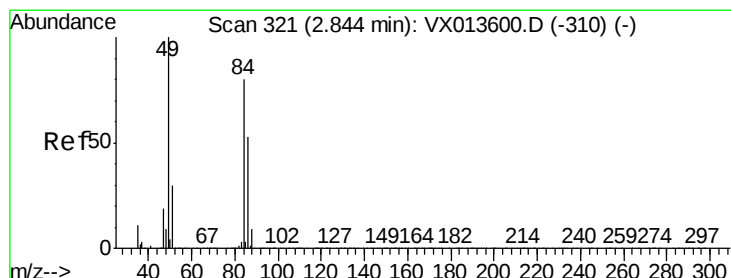
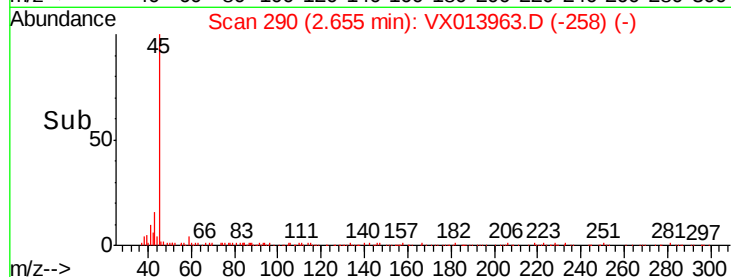
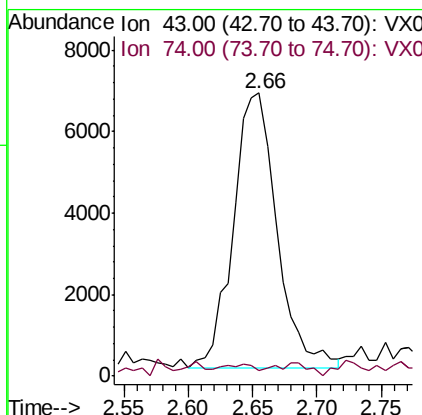
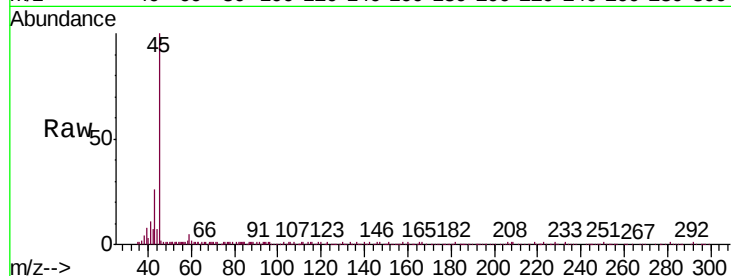




#18
Methyl Acetate
Concen: 1.829 ug/l
RT: 2.66 min Scan# 290
Delta R.T. -0.10 min
Lab File: VX013963.D
Acq: 12 Dec 2019 00:07

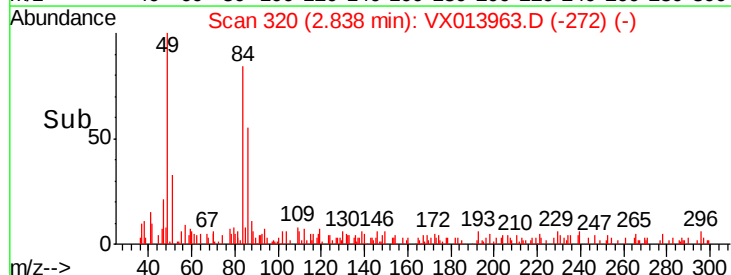
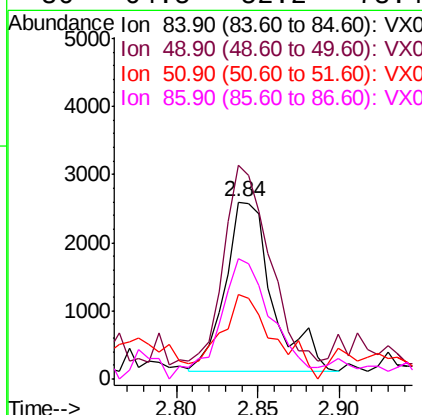
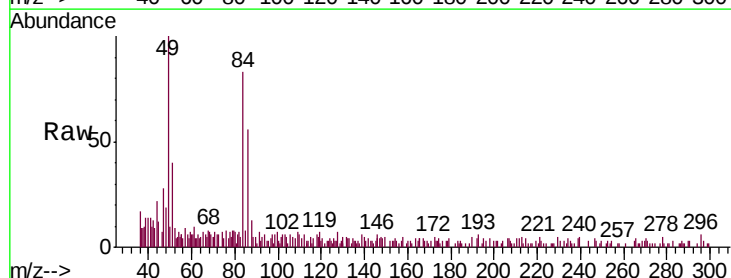
Instrument :
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FB02-20191209

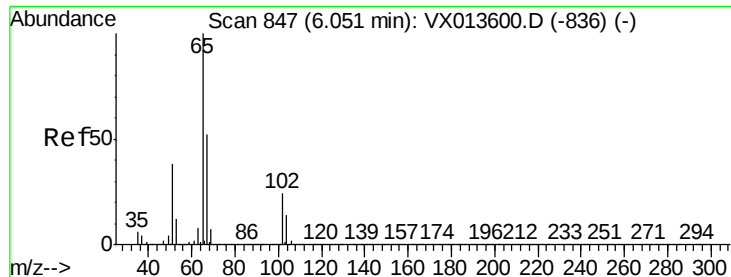
Tgt Ion: 43 Resp: 15862
Ion Ratio Lower Upper
43 100
74 2.8 19.5 29.3#



#20
Methylene Chloride
Concen: 0.836 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013963.D
Acq: 12 Dec 2019 00:07

Tgt Ion: 84 Resp: 5000
Ion Ratio Lower Upper
84 100
49 115.9 99.7 149.5
51 41.0 29.9 44.9
86 64.5 52.2 78.4





#33

1,2-Dichloroethane-d4

Concen: 47.878 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

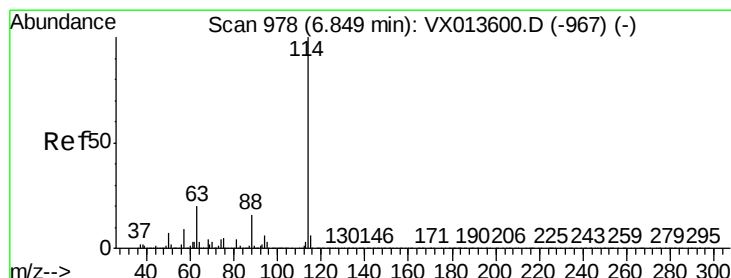
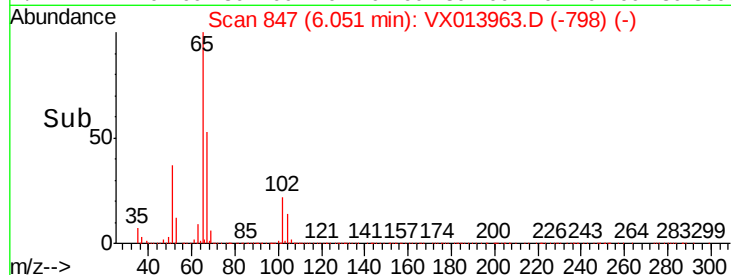
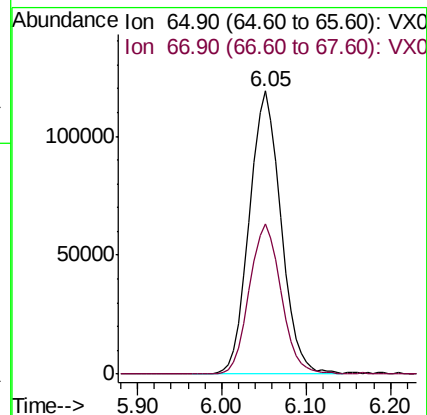
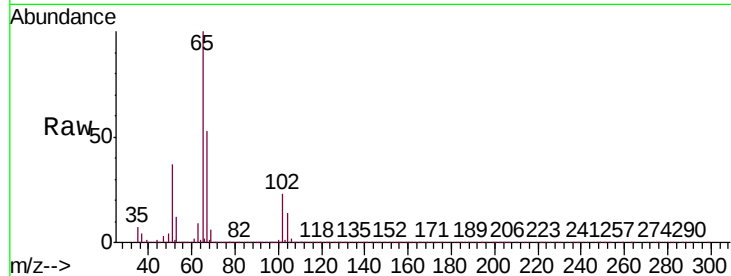
FB02-20191209

Tgt Ion: 65 Resp: 302047

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

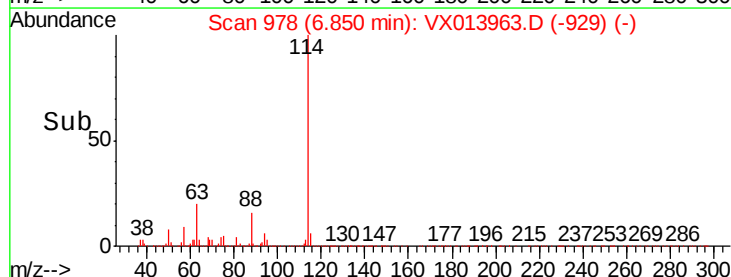
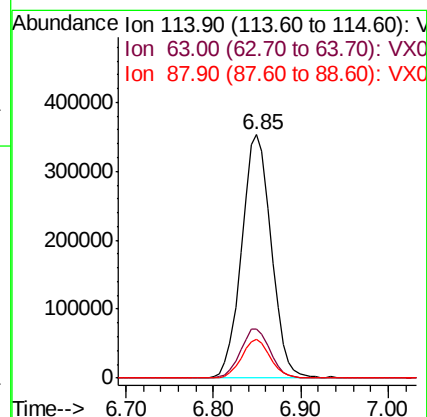
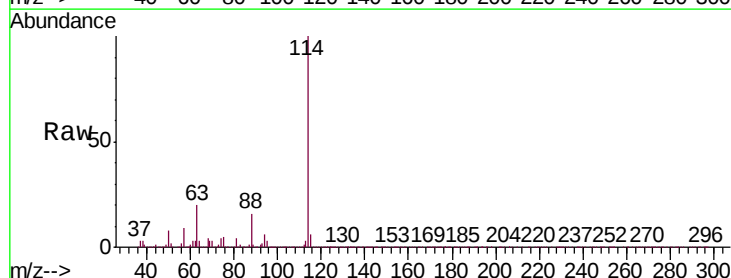
Tgt Ion: 114 Resp: 829365

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.068 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

FB02-20191209

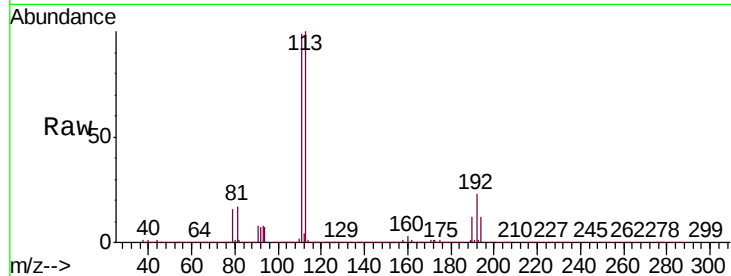
Tgt Ion:113 Resp: 241327

Ion Ratio Lower Upper

113 100

111 103.0 83.6 125.4

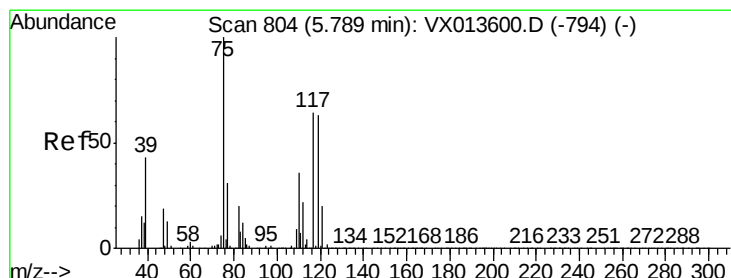
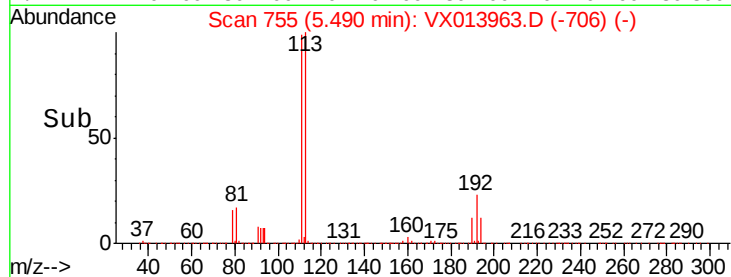
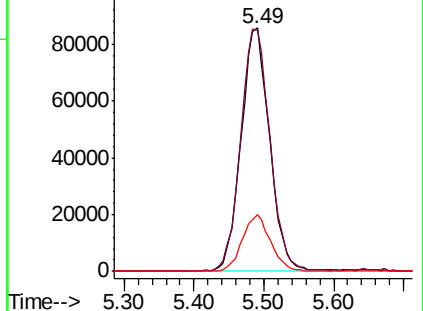
192 22.8 19.2 28.8



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: 4.876 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

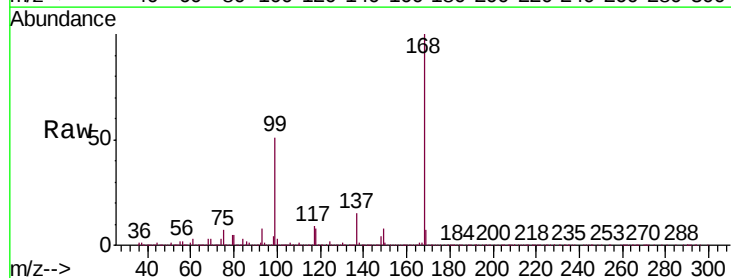
Tgt Ion: 75 Resp: 36706

Ion Ratio Lower Upper

75 100

110 5.0 18.1 54.1#

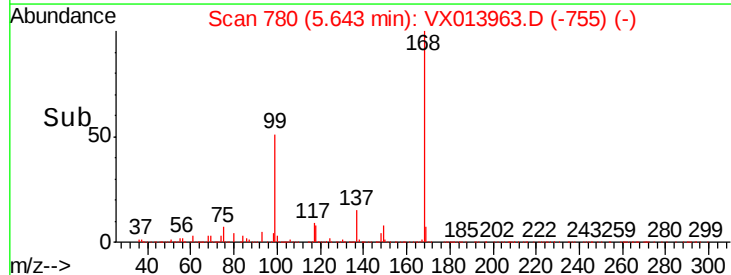
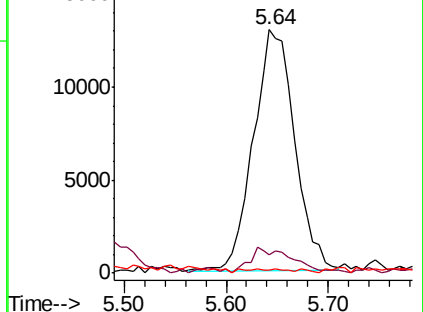
77 0.0 24.5 36.7#

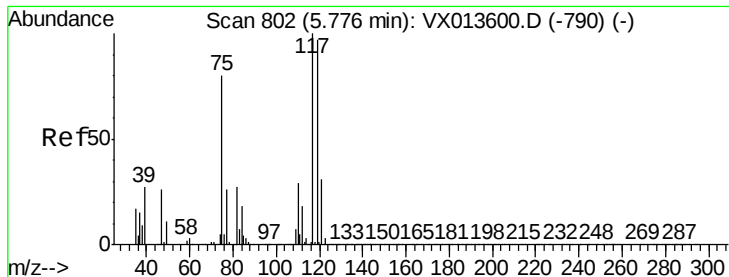


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.824 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

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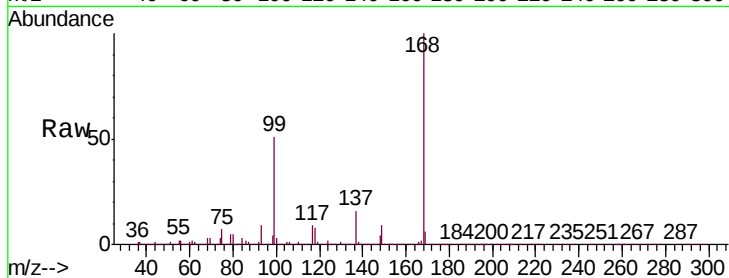
Tgt Ion: 117 Resp: 47373

Ion Ratio Lower Upper

117 100

119 6.3 77.5 116.3#

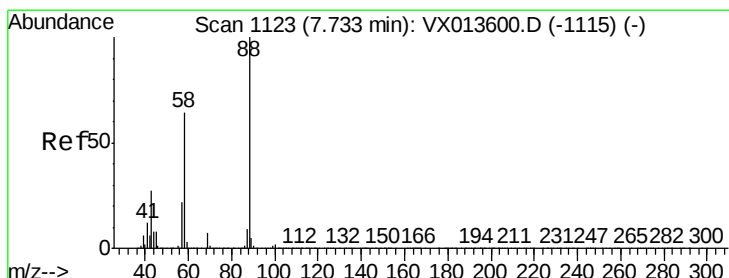
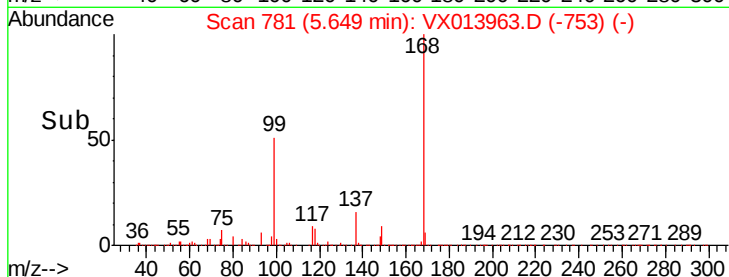
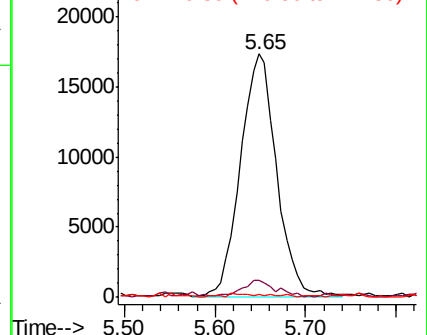
121 0.3 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.493 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

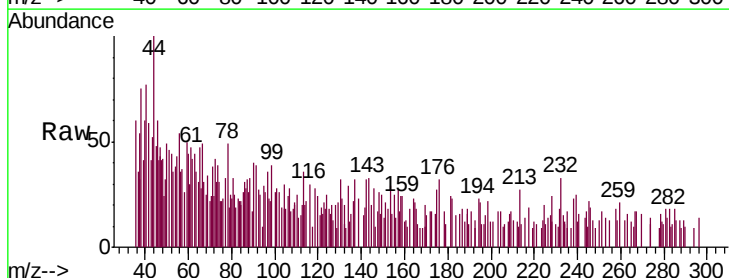
Tgt Ion: 88 Resp: 377

Ion Ratio Lower Upper

88 100

43 106.4 25.8 38.6#

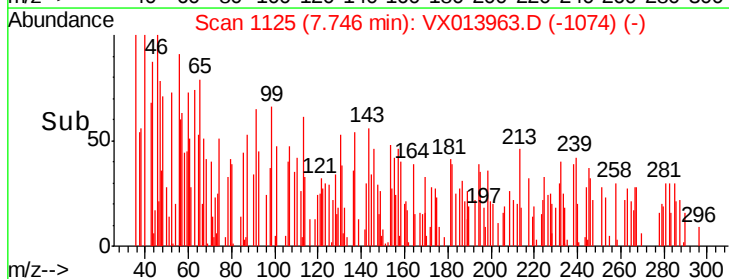
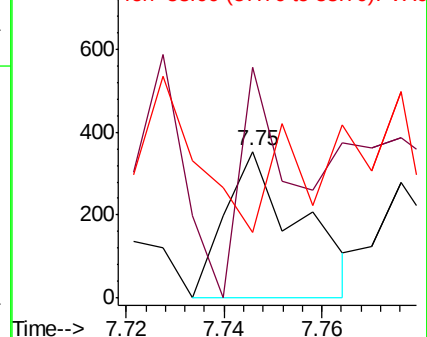
58 0.0 54.6 82.0#

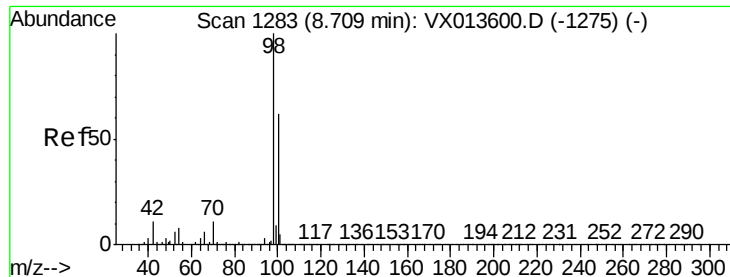


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.112 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

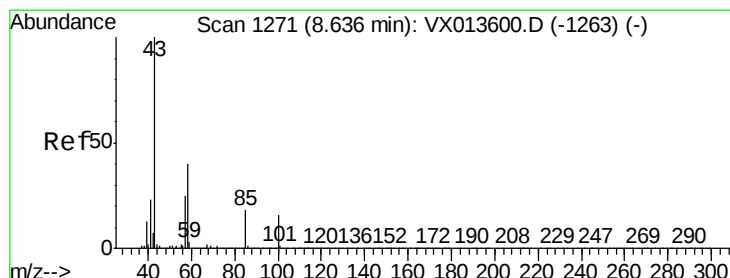
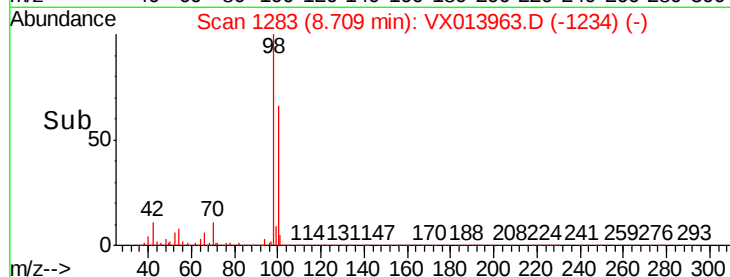
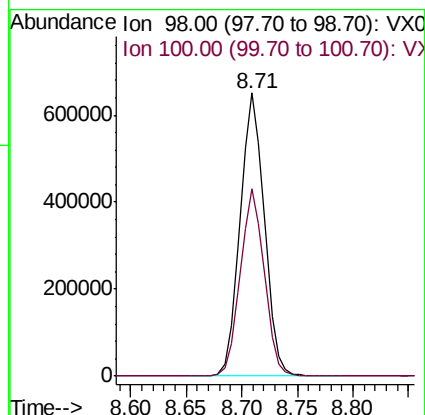
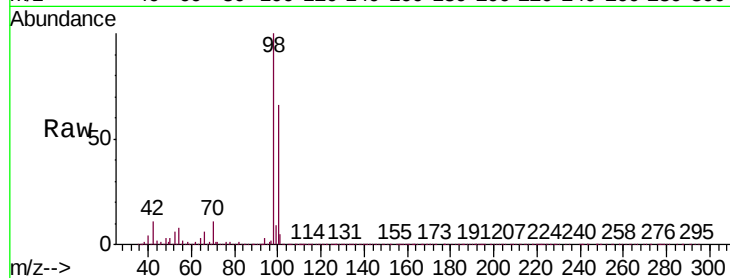
FB02-20191209

Tgt Ion: 98 Resp: 981081

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.617 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013963.D

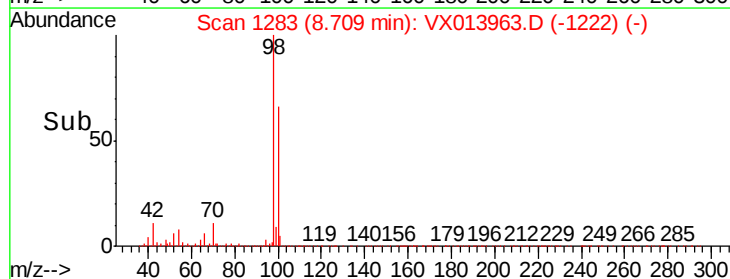
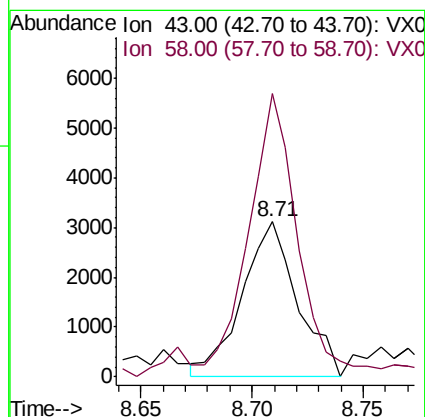
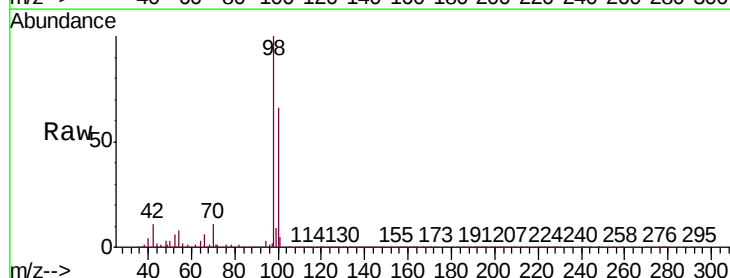
Acq: 12 Dec 2019 00:07

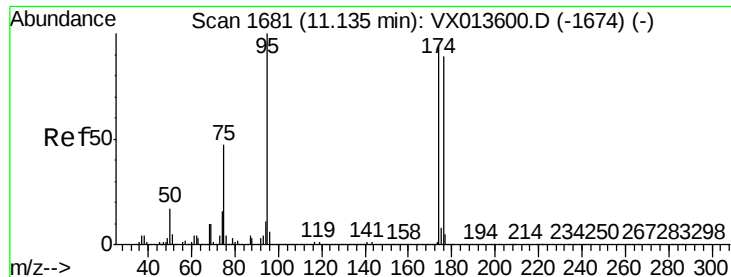
Tgt Ion: 43 Resp: 5399

Ion Ratio Lower Upper

43 100

58 149.0 32.1 48.1#





#62

4-Bromofluorobenzene

Concen: 46.976 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

FB02-20191209

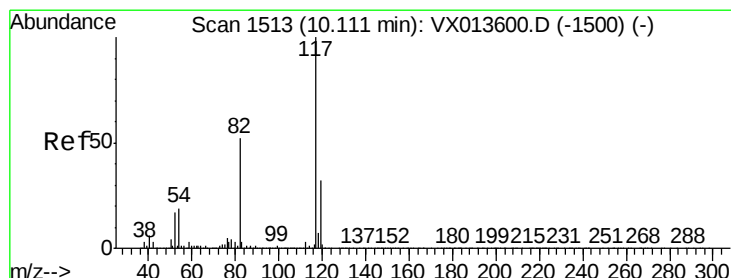
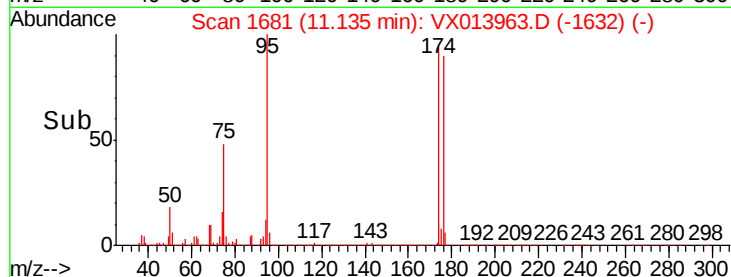
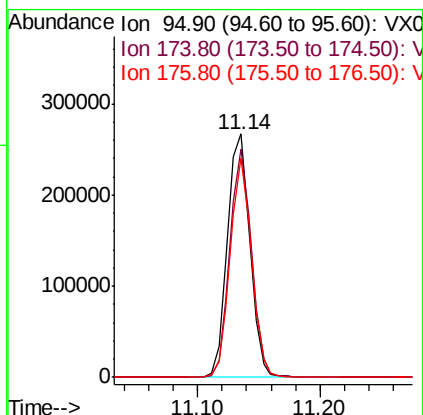
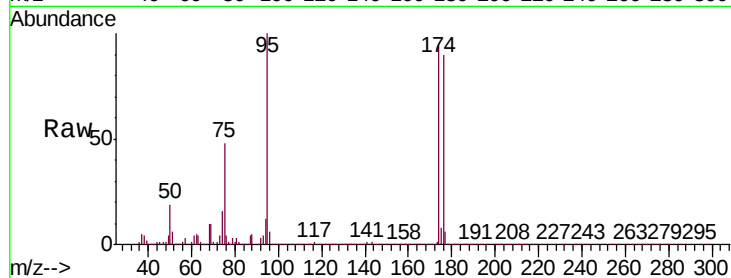
Tgt Ion: 95 Resp: 338393

Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.0

176 85.5 0.0 173.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

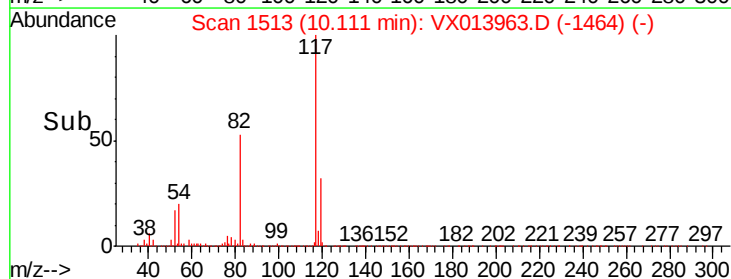
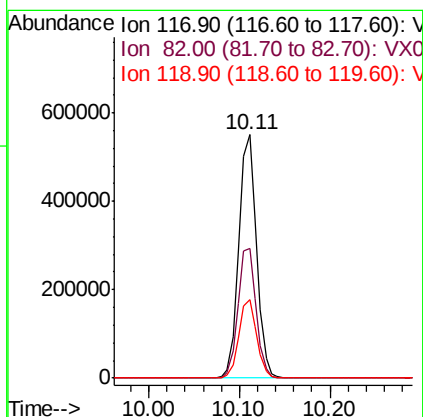
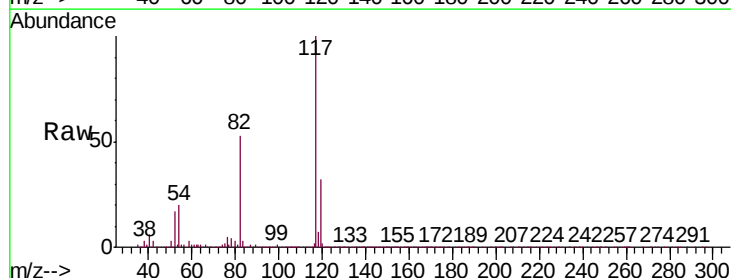
Tgt Ion: 117 Resp: 744874

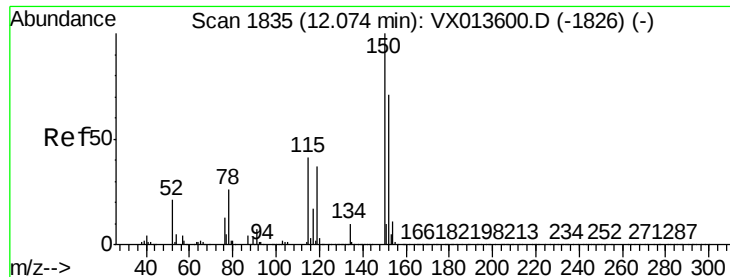
Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.8

119 32.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

FB02-20191209

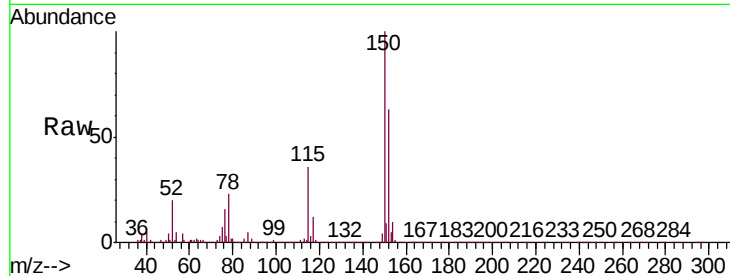
Tgt Ion:152 Resp: 335653

Ion Ratio Lower Upper

152 100

115 55.9 38.4 115.1

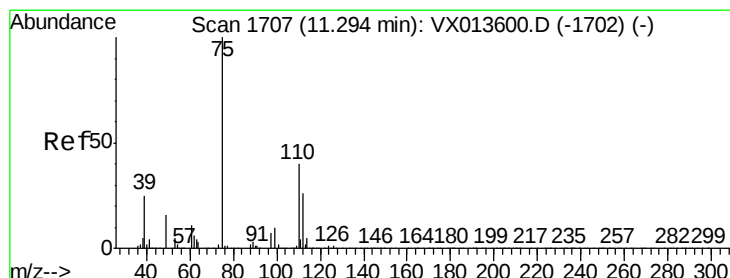
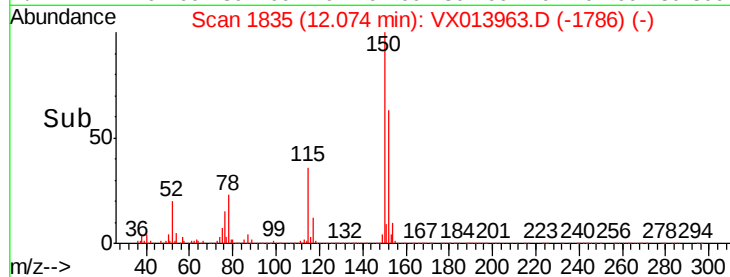
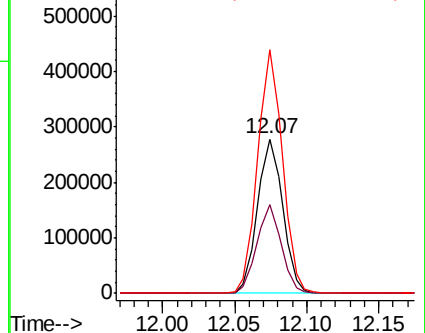
150 154.8 0.0 346.8



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: 22.091 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013963.D

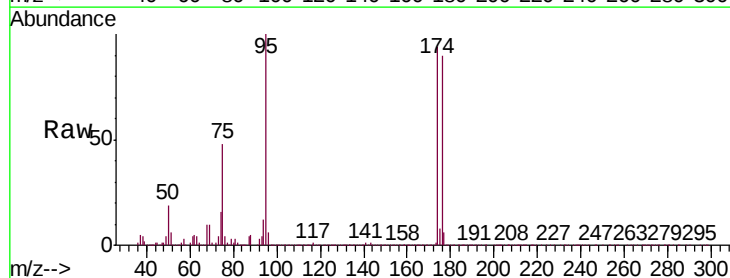
Acq: 12 Dec 2019 00:07

Tgt Ion: 75 Resp: 166775

Ion Ratio Lower Upper

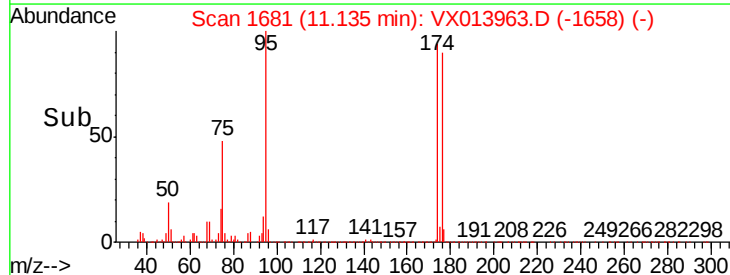
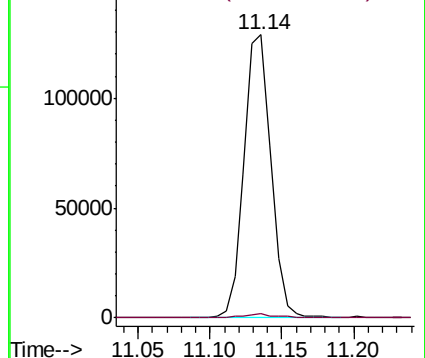
75 100

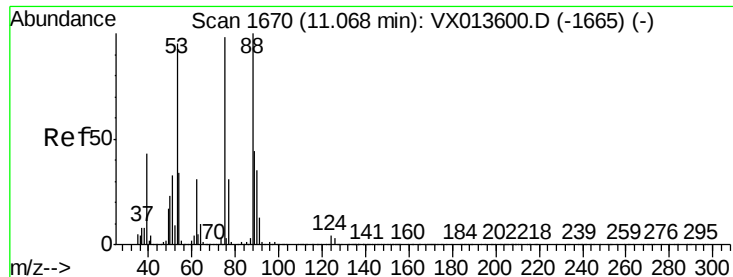
77 1.9 19.1 57.5#



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: 60.437 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013963.D

Acq: 12 Dec 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

FB02-20191209

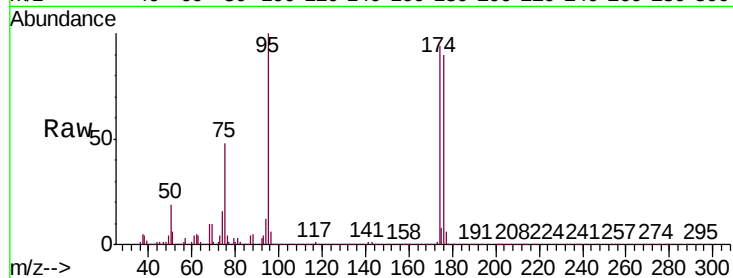
Tgt Ion: 75 Resp: 166775

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.1 35.4 53.2#



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

