

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041320\
 Data File : VX015648.D
 Acq On : 13 Apr 2020 17:34
 Operator : JC/SP
 Sample : L2239-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200407

Quant Time: Apr 14 01:21:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1083392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1674861	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1639783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	880846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	669730	43.83	ug/l	0.00
Spiked Amount			Recovery	=	87.66%	
35) Dibromofluoromethane	5.47	113	510891	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	8.70	98	2003921	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.12	95	849911	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	

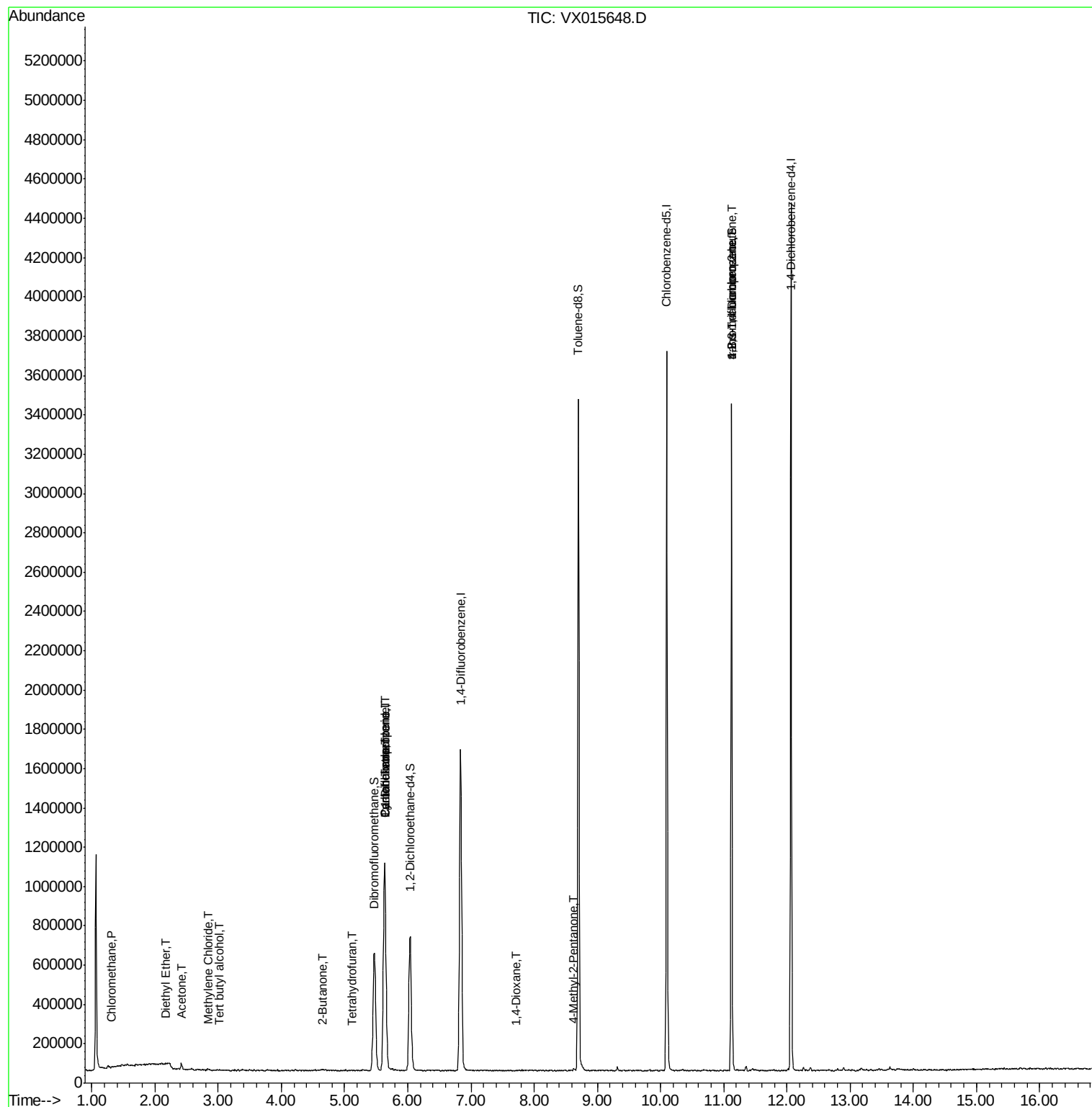
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2731	0.225	ug/l #	70
5) Bromomethane	1.64	94	1073	Below Cal	#	40
8) Diethyl Ether	2.17	74	1274	0.202	ug/l	49
11) Tert butyl alcohol	3.02	59	999	0.273	ug/l #	73
16) Acetone	2.42	43	36513	5.562	ug/l	96
20) Methylene Chloride	2.84	84	2837	0.231	ug/l #	58
25) 2-Butanone	4.65	43	9303	0.881	ug/l	93
29) Tetrahydrofuran	5.11	42	1496	0.220	ug/l #	55
31) Cyclohexane	5.63	56	21359	1.104	ug/l #	18
36) 1,1-Dichloropropene	5.63	75	74434	4.823	ug/l #	52
38) Carbon Tetrachloride	5.64	117	99497	5.953	ug/l #	14
49) 1,4-Dioxane	7.72	88	283	0.895	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	8297	0.432	ug/l #	85
76) 1,2,3-Trichloropropane	11.12	75	434815	24.004	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	434815	57.598	ug/l #	10

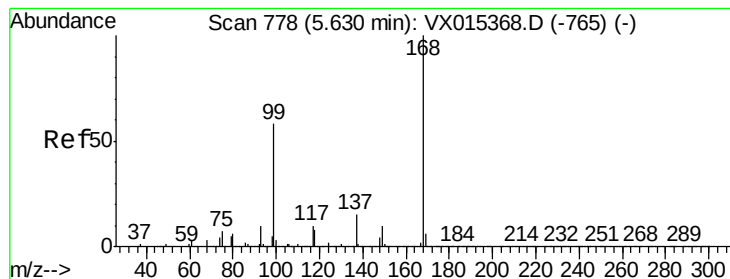
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

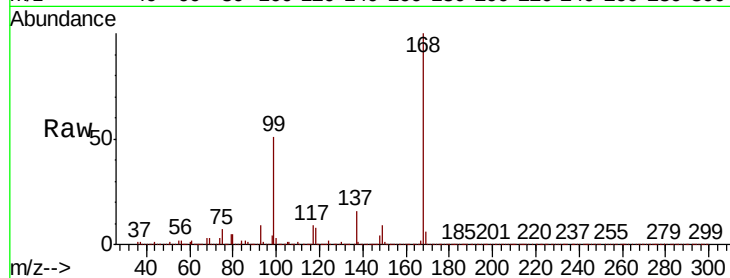
TB-01-200407

Tot Ion:168 Resp: 1083392

Ion Ratio Lower Upper

168 100

99 51.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

200000

100000

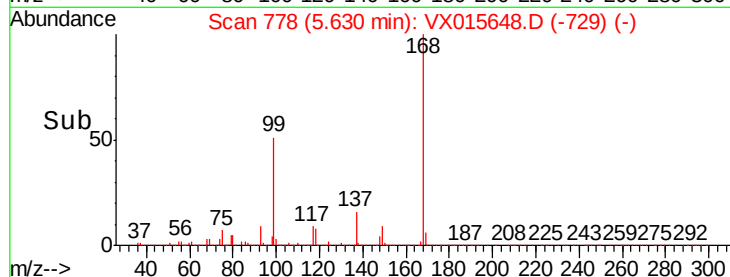
0

5.50

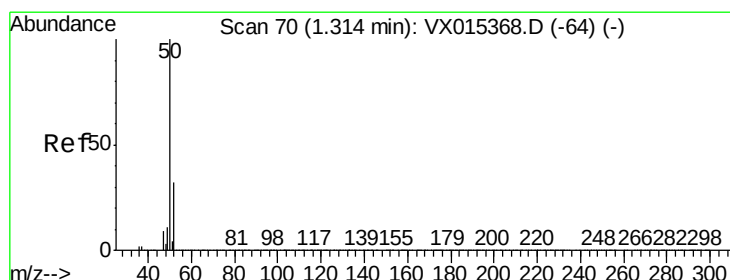
5.60

5.70

5.80



Time-->



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015648.D

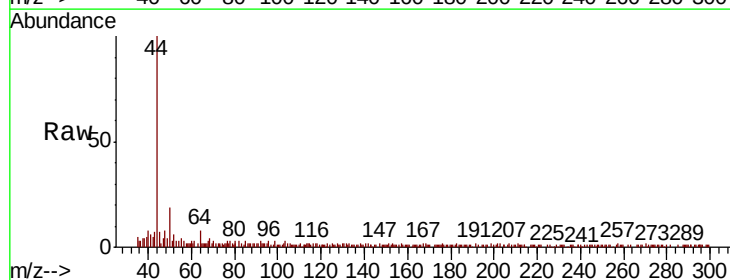
Acq: 13 Apr 2020 17:34

Tgt Ion: 50 Resp: 2731

Ion Ratio Lower Upper

50 100

52 15.1 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

3000

2500

2000

1500

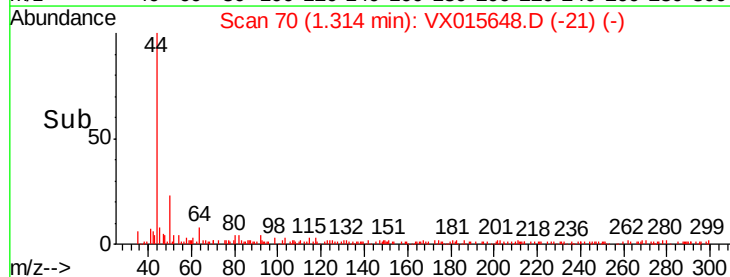
1000

500

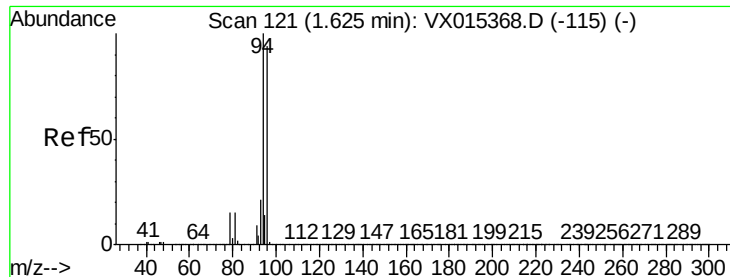
0

1.30

1.35



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

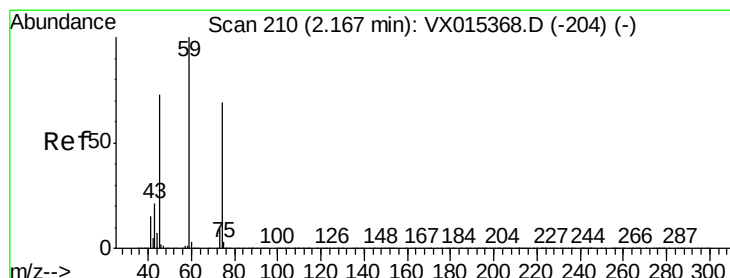
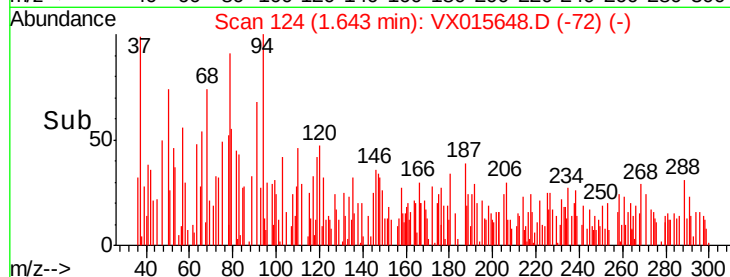
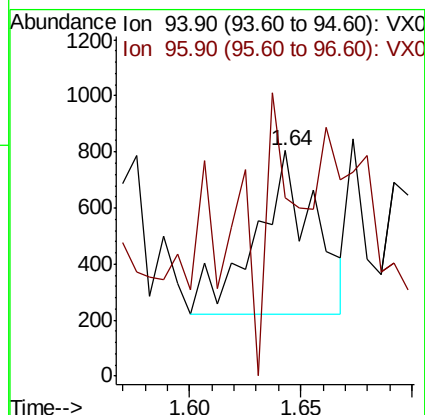
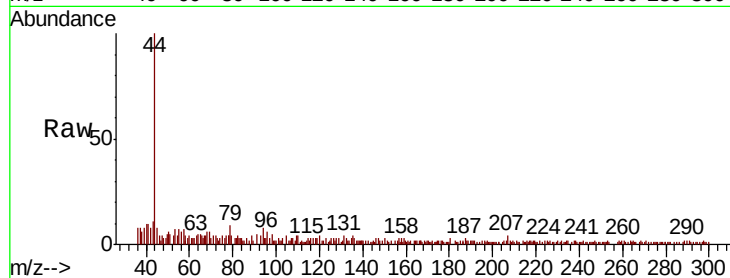
TB-01-200407

Tot Ion: 94 Resp: 1073

Ion Ratio Lower Upper

94 100

96 151.1 74.8 112.2#



#8

Diethyl Ether

Concen: 0.202 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX015648.D

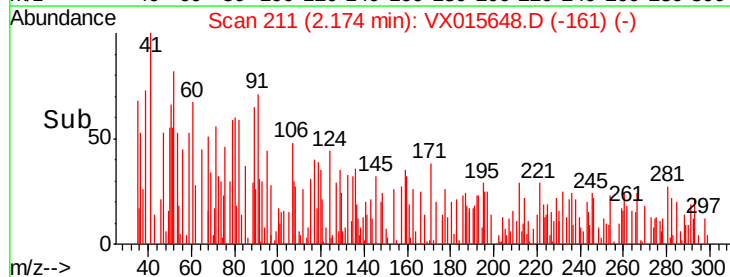
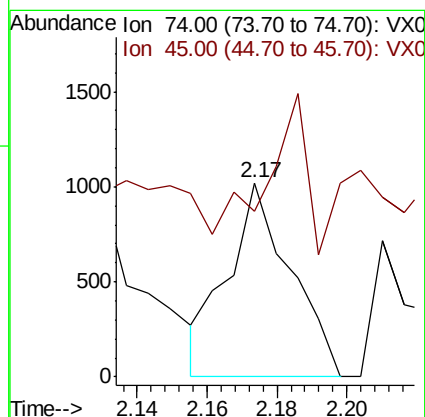
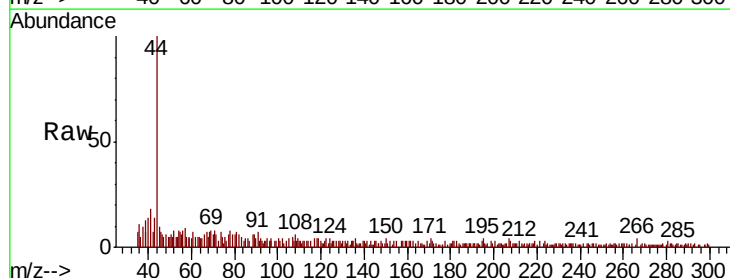
Acq: 13 Apr 2020 17:34

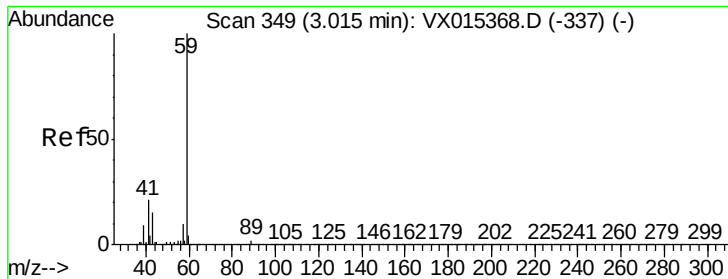
Tgt Ion: 74 Resp: 1274

Ion Ratio Lower Upper

74 100

45 54.0 53.8 161.4



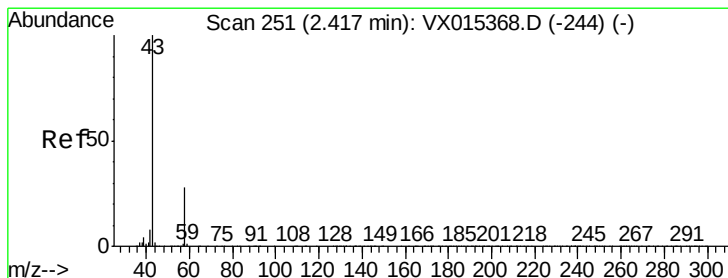
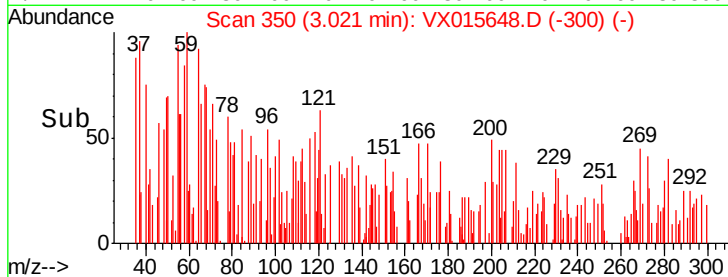
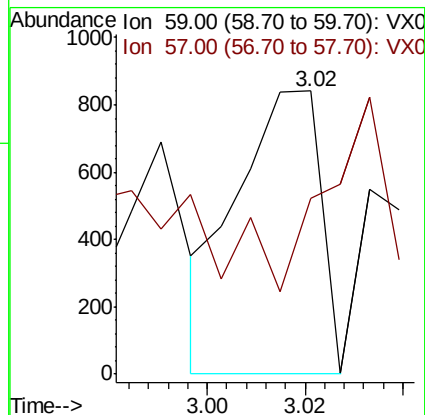
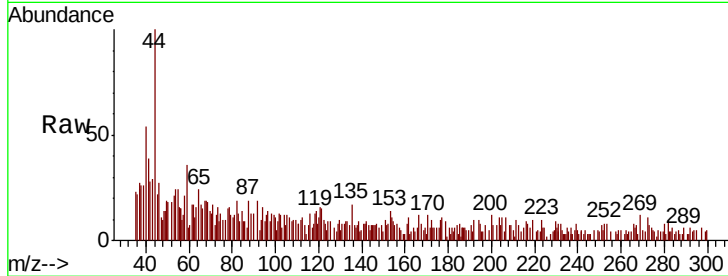


#11

Tert butyl alcohol
Concen: 0.273 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.01 min
Lab File: VX015648.D
Acq: 13 Apr 2020 17:34

Instrument :
MSVOA_X
ClientSampled :
TB-01-200407

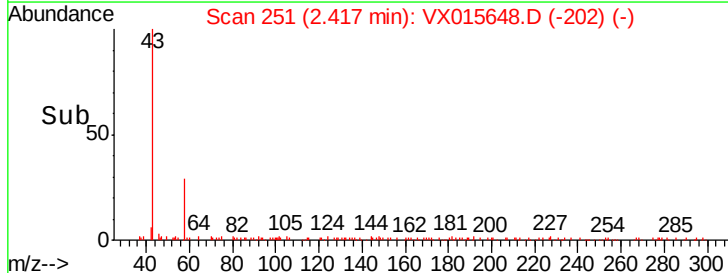
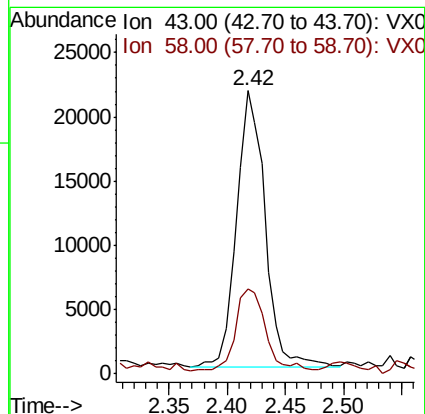
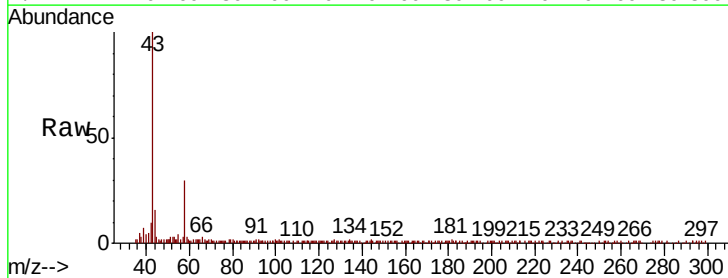
Tot Ion: 59 Resp: 999
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

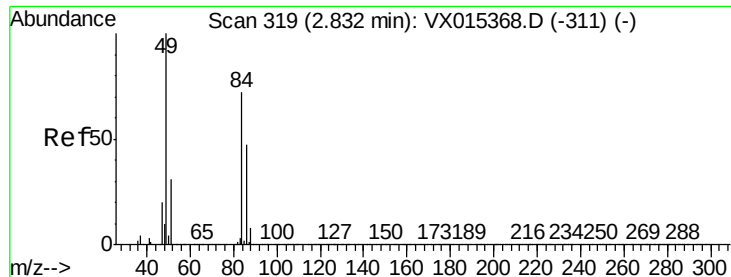


#16

Acetone
Concen: 5.562 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015648.D
Acq: 13 Apr 2020 17:34

Tgt Ion: 43 Resp: 36513
Ion Ratio Lower Upper
43 100
58 29.7 22.1 33.1

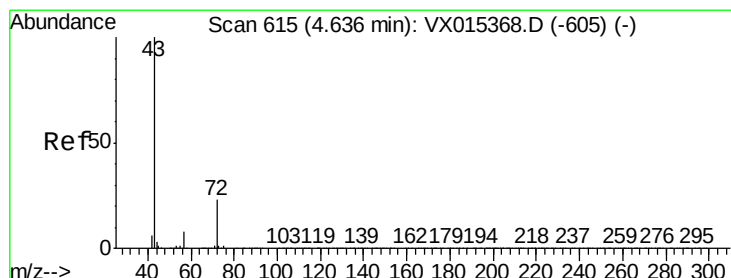
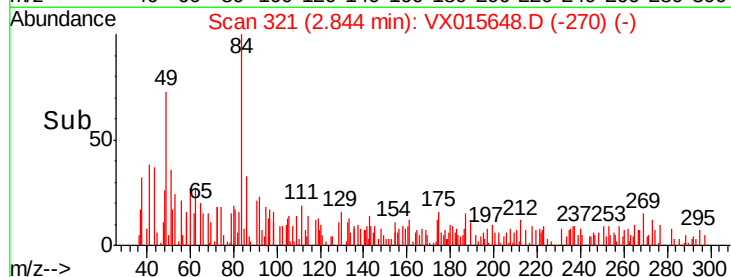
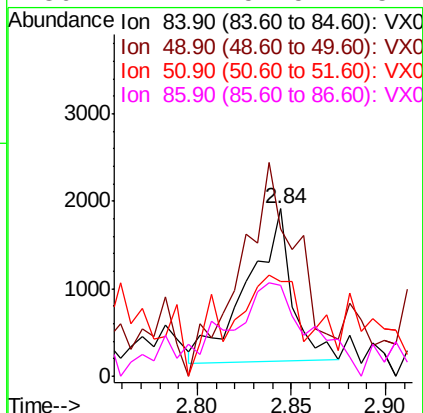
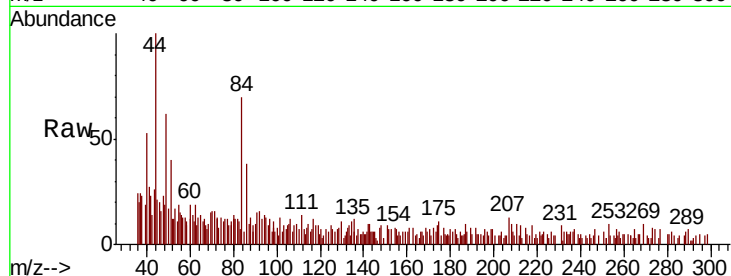




#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.01 min
Lab File: VX015648.D
Acq: 13 Apr 2020 17:34

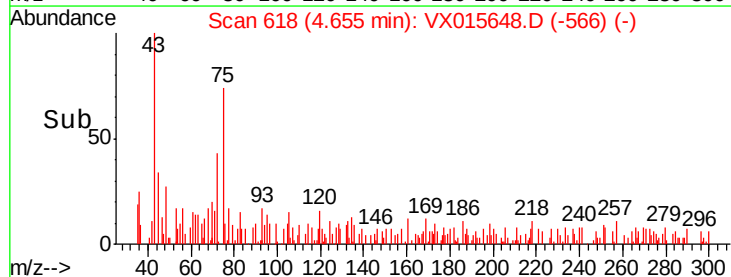
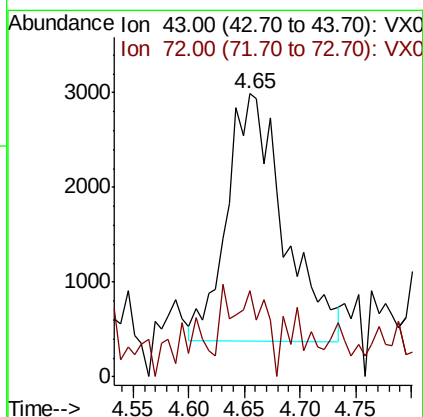
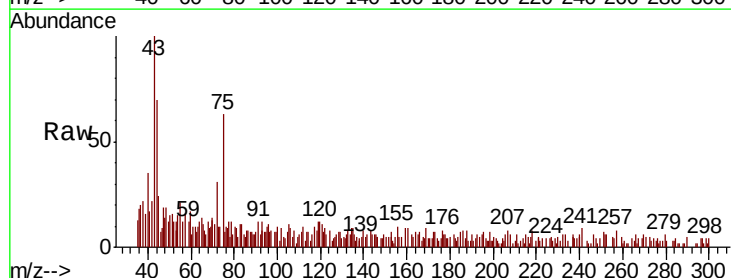
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200407

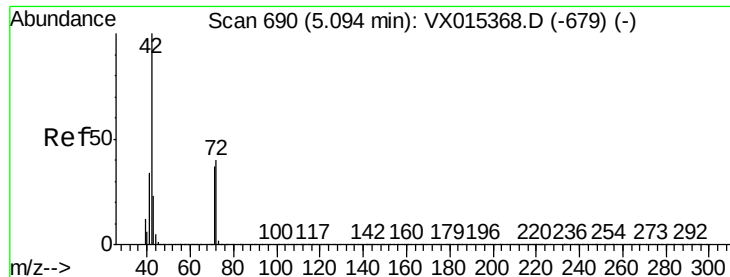
Tot Ion: 84 Resp: 2837
Ion Ratio Lower Upper
84 100
49 79.5 111.3 166.9#
51 66.8 34.0 51.0#
86 41.1 52.5 78.7#



#25
2-Butanone
Concen: 0.881 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015648.D
Acq: 13 Apr 2020 17:34

Tgt Ion: 43 Resp: 9303
Ion Ratio Lower Upper
43 100
72 27.0 19.0 28.4





#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.02 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200407

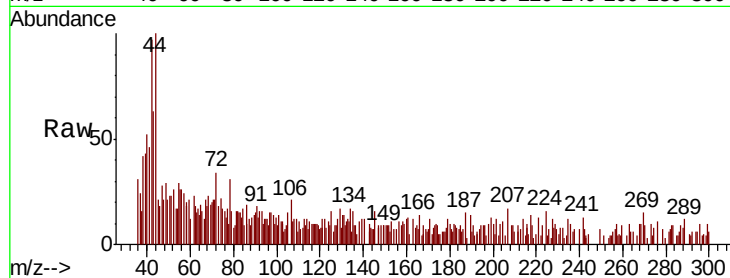
Tot Ion: 42 Resp: 1496

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

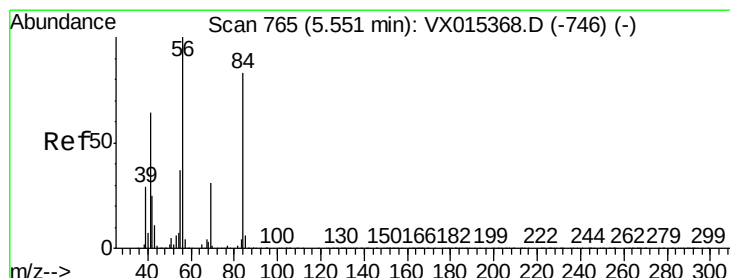
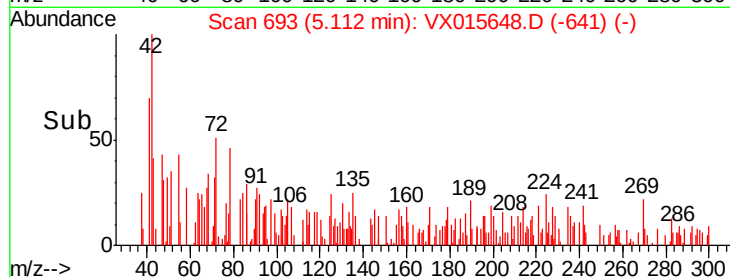
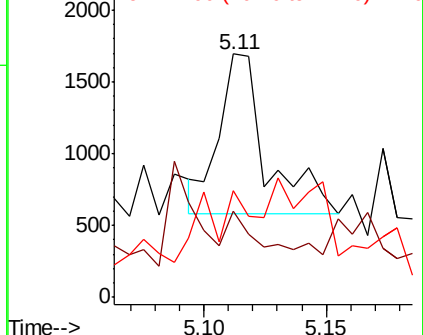
71 22.0 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

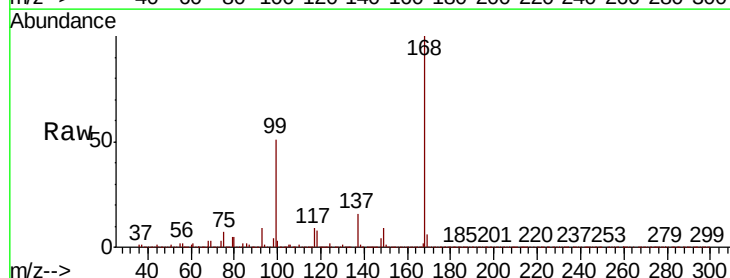
Tgt Ion: 56 Resp: 21359

Ion Ratio Lower Upper

56 100

69 151.3 24.6 36.8#

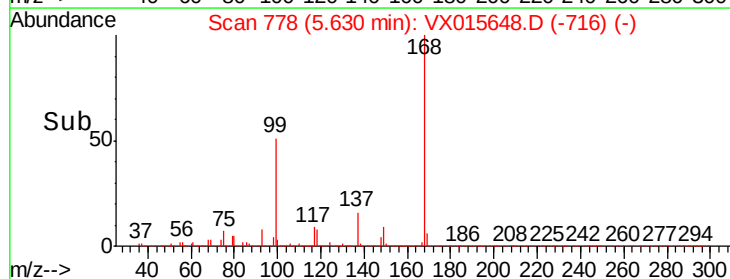
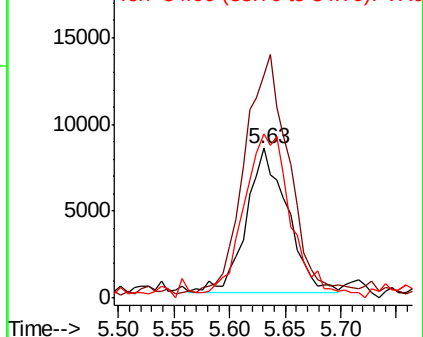
84 110.2 66.1 99.1#

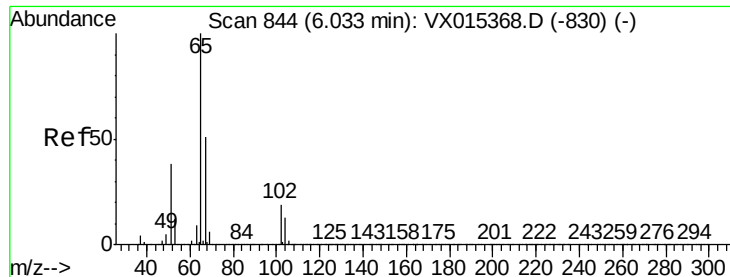


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

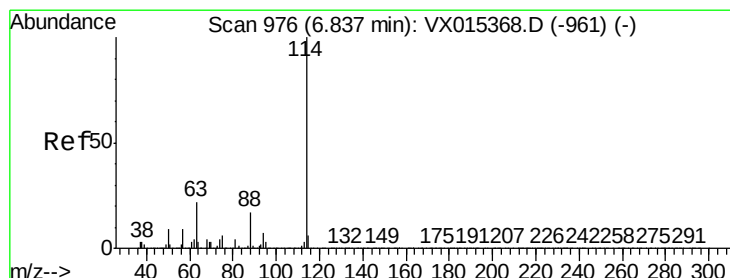
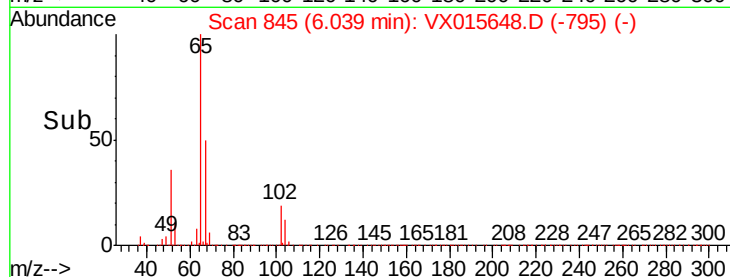
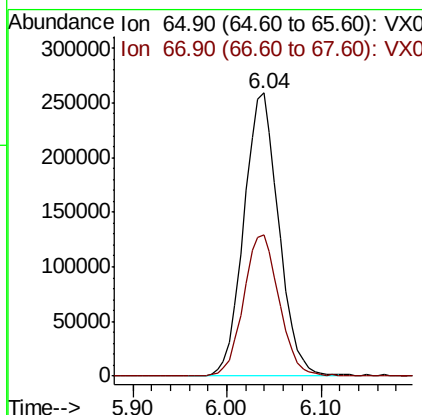
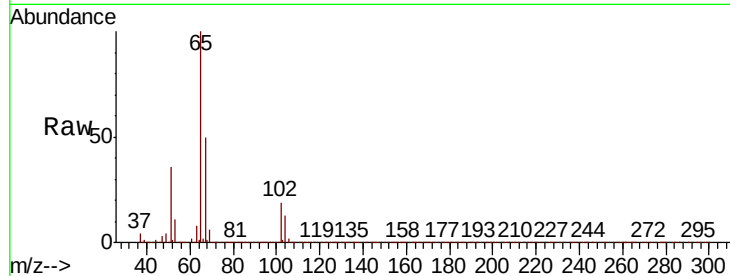




#33
 1,2-Dichloroethane-d4
 Concen: 43.830 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015648.D
 Acq: 13 Apr 2020 17:34

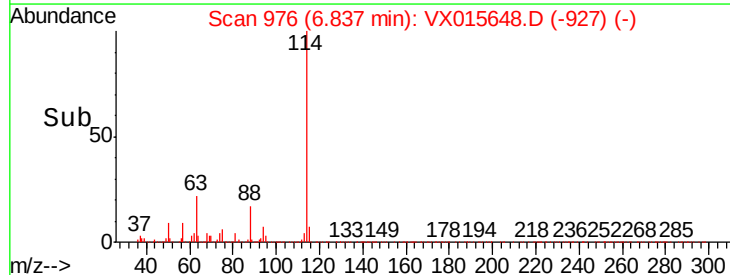
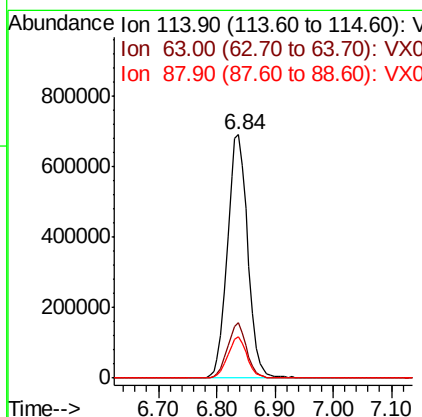
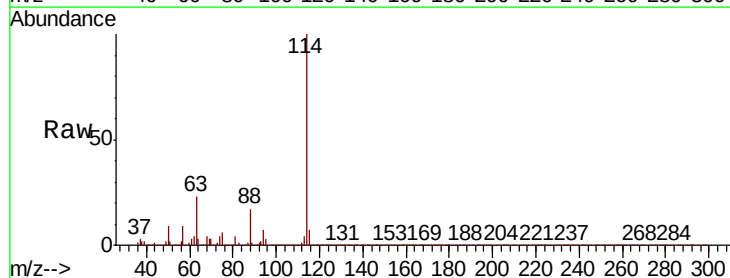
Instrument :
 MSVOA_X
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 TB-01-200407

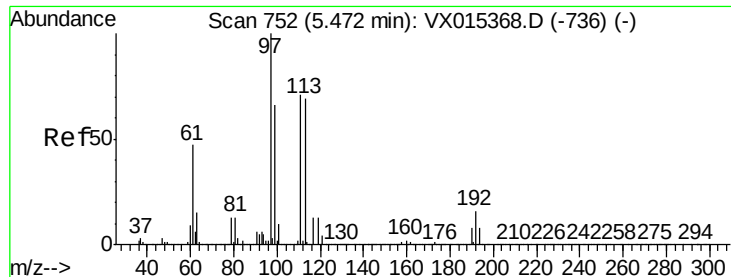
Tot Ion: 65 Resp: 669730
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015648.D
 Acq: 13 Apr 2020 17:34

Tgt Ion: 114 Resp: 1674861
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 16.7 0.0 33.8

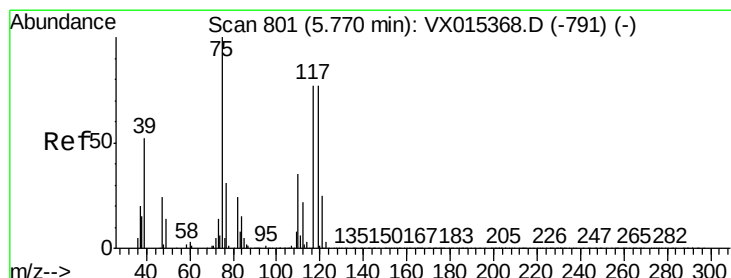
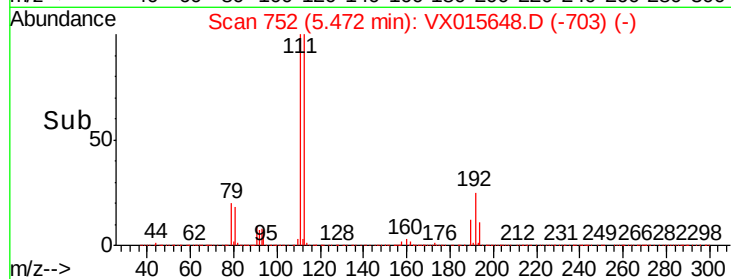
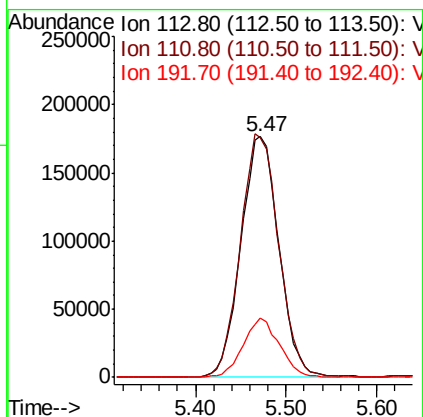
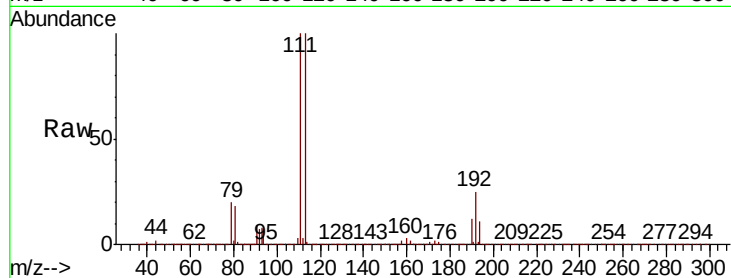




#35
Dibromofluoromethane
Concen: 47.719 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015648.D
Acq: 13 Apr 2020 17:34

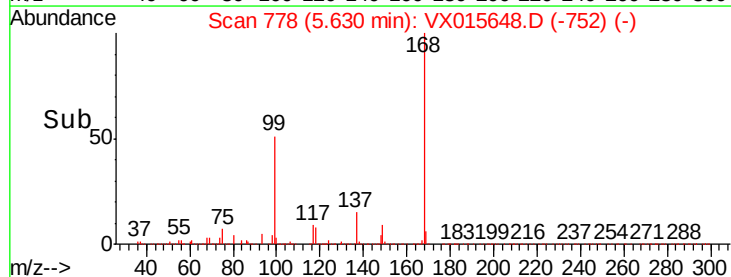
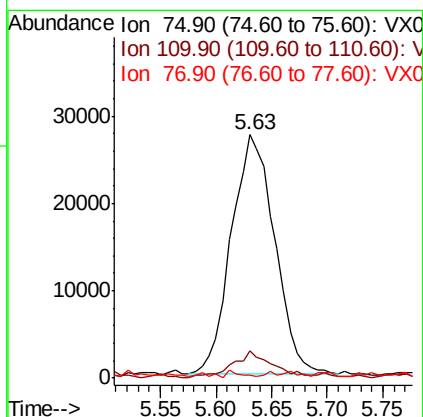
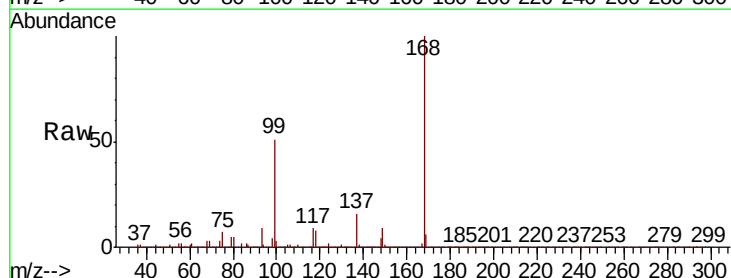
Instrument :
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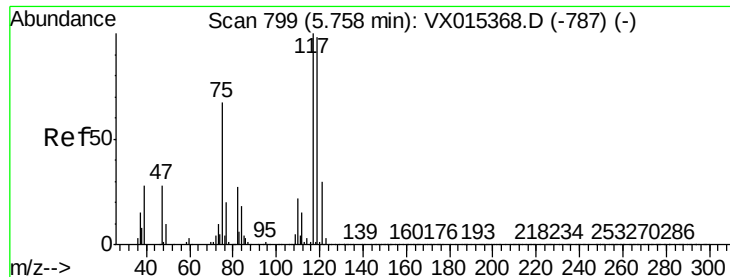
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.5	122.3
192	23.6	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015648.D
Acq: 13 Apr 2020 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.1	51.3#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.953 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200407

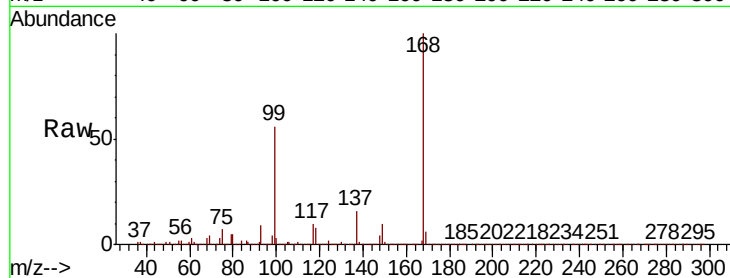
Tot Ion:117 Resp: 99497

Ion Ratio Lower Upper

117 100

119 4.0 78.0 117.0#

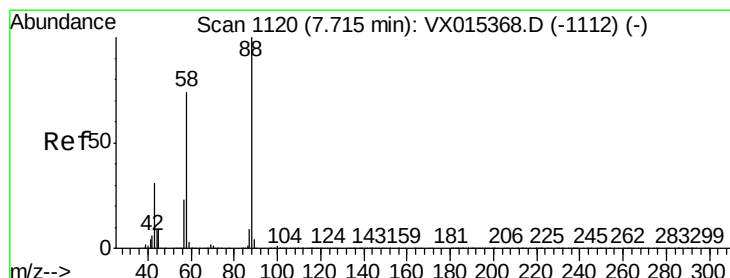
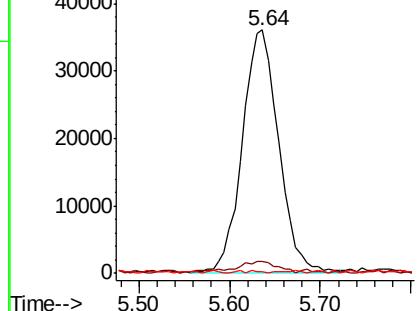
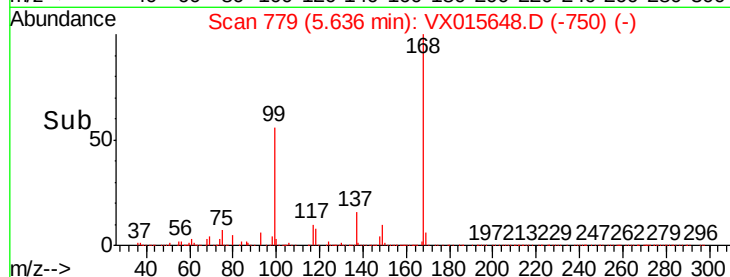
121 0.1 23.8 35.8#



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: 0.895 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

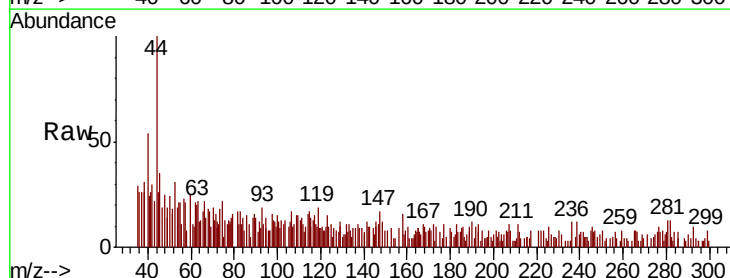
Tgt Ion: 88 Resp: 283

Ion Ratio Lower Upper

88 100

43 274.9 30.1 45.1#

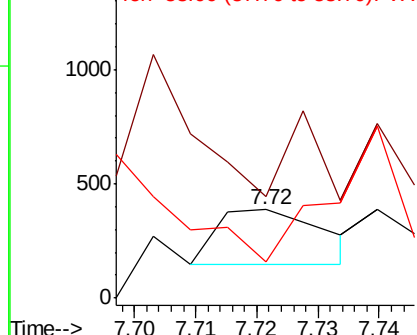
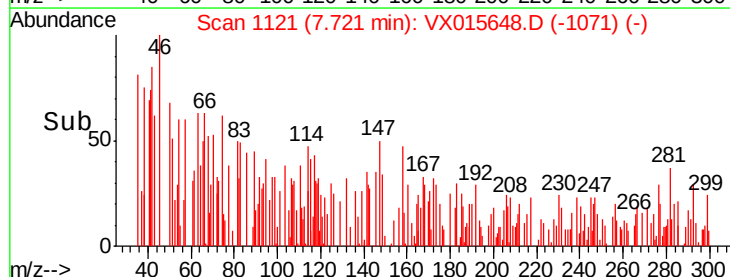
58 171.0 60.6 90.8#

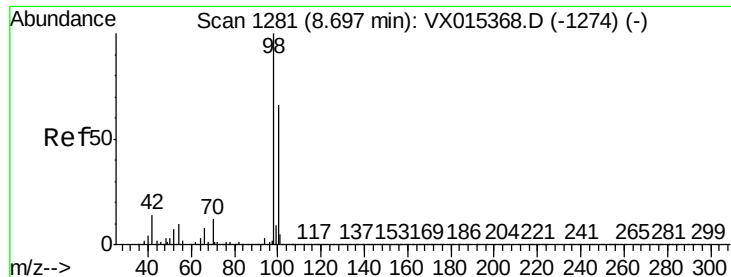


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.839 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

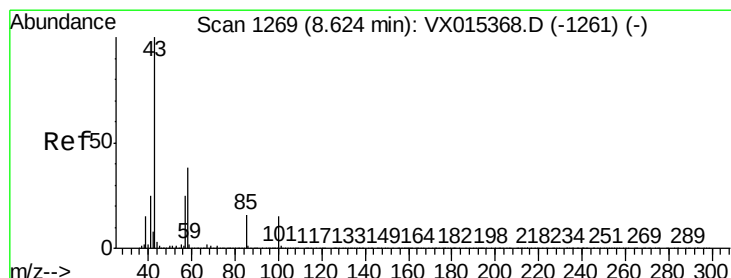
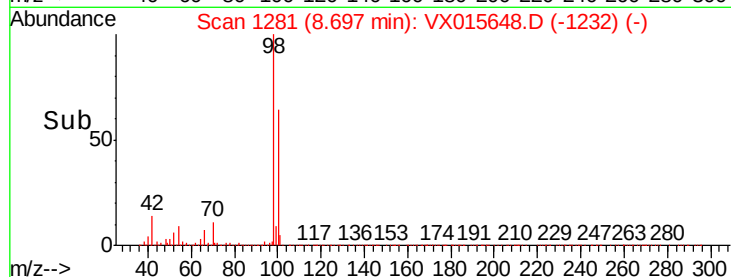
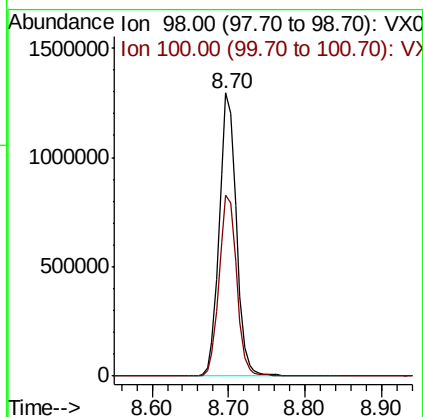
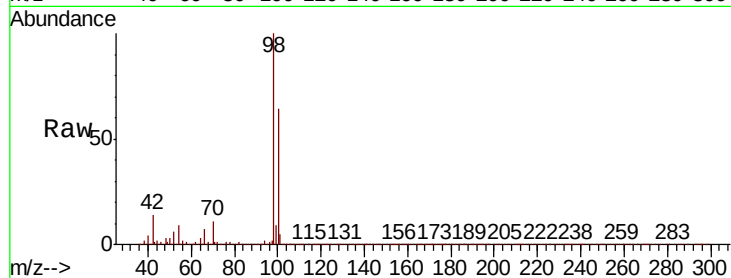
TB-01-200407

Tot Ion: 98 Resp: 2003921

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 0.432 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015648.D

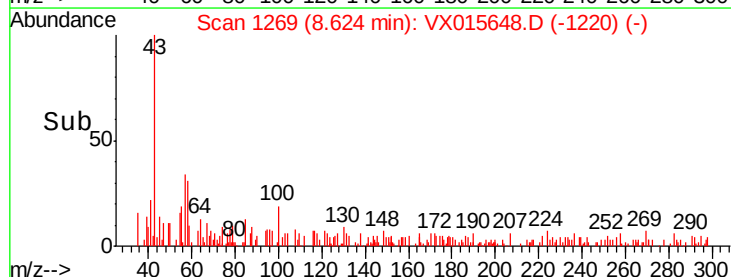
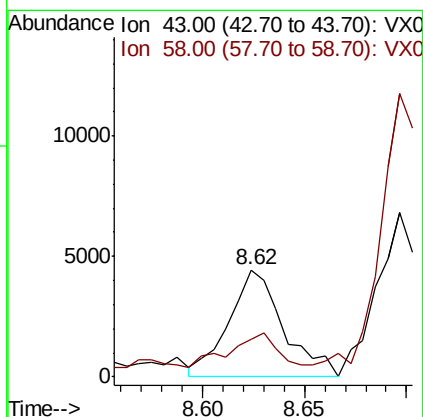
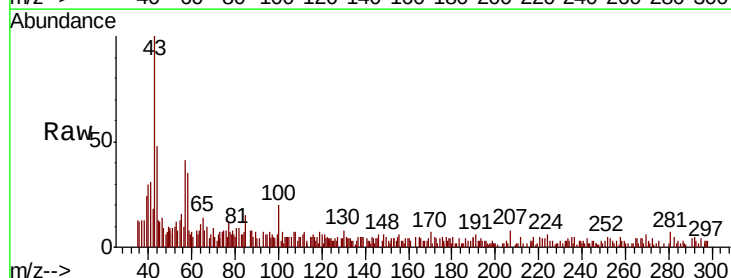
Acq: 13 Apr 2020 17:34

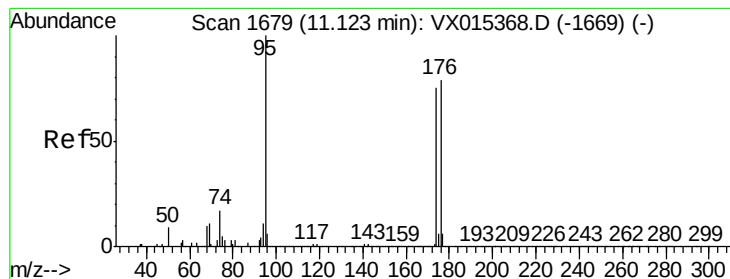
Tgt Ion: 43 Resp: 8297

Ion Ratio Lower Upper

43 100

58 28.1 29.7 44.5#





#62

4-Bromofluorobenzene

Concen: 53.056 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200407

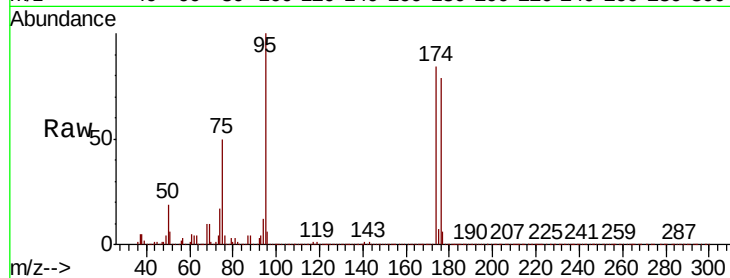
Tot Ion: 95 Resp: 849911

Ion Ratio Lower Upper

95 100

174 86.5 0.0 158.6

176 81.6 0.0 159.0

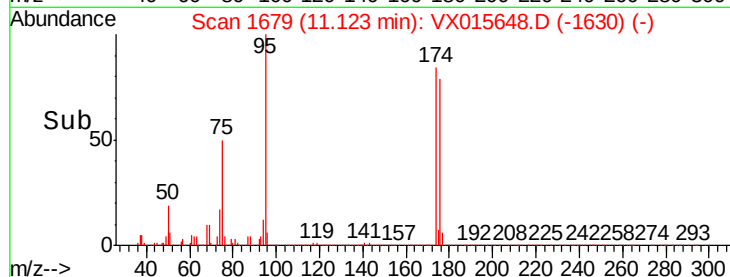


Abundance Ion 94.90 (94.60 to 95.60): VX015648.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015648.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015648.D (-1669) (-)

Time-->

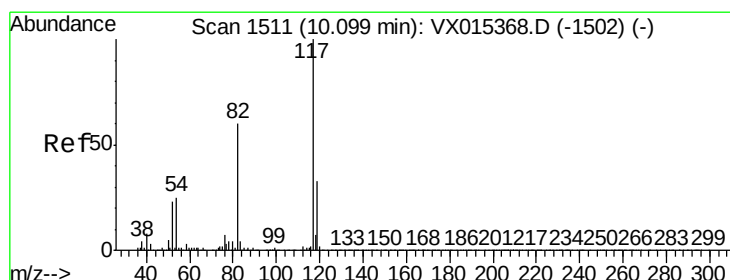


Abundance Ion 94.90 (94.60 to 95.60): VX015648.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015648.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015648.D (-1669) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

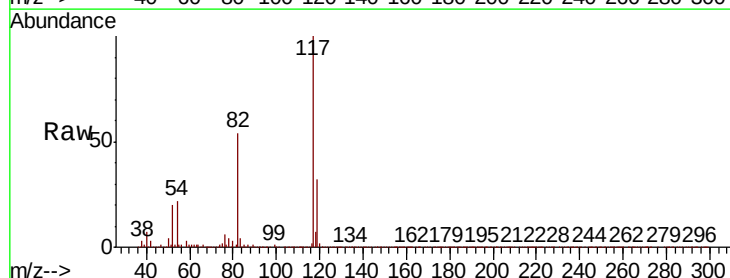
Tgt Ion: 117 Resp: 1639783

Ion Ratio Lower Upper

117 100

82 53.5 47.8 71.8

119 31.8 26.8 40.2

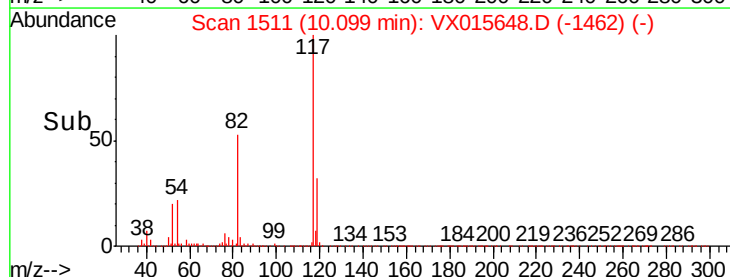


Abundance Ion 116.90 (116.60 to 117.60): VX015648.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015648.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015648.D (-1462) (-)

Time-->

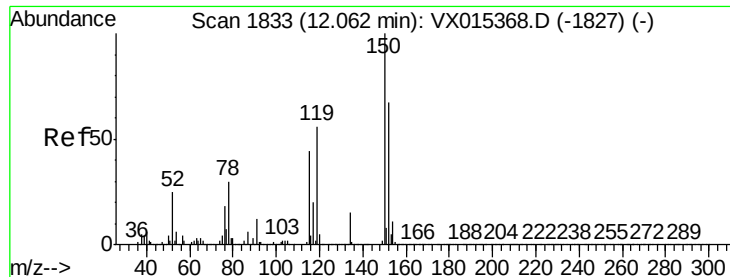


Abundance Ion 116.90 (116.60 to 117.60): VX015648.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015648.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015648.D (-1462) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015648.D

Acq: 13 Apr 2020 17:34

Instrument :

MSVOA_X

ClientSampled :

TB-01-200407

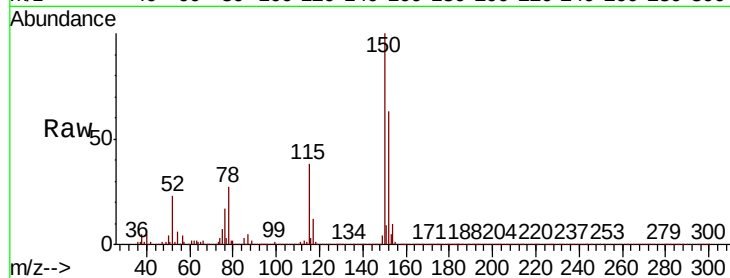
Tot Ion:152 Resp: 880846

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

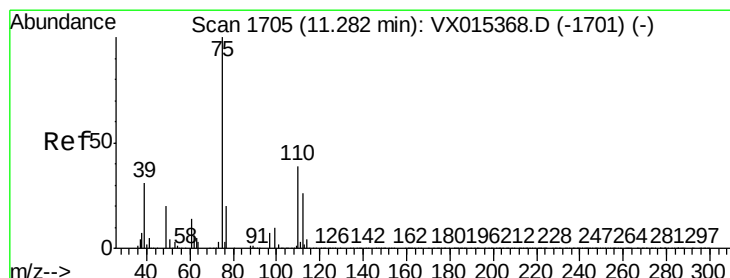
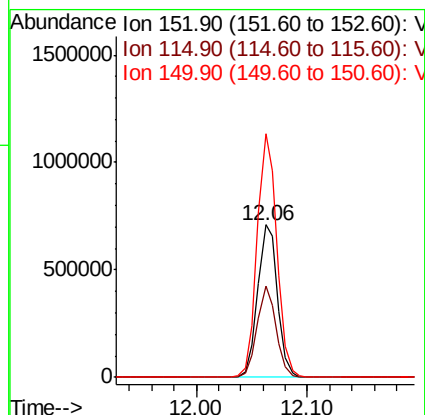
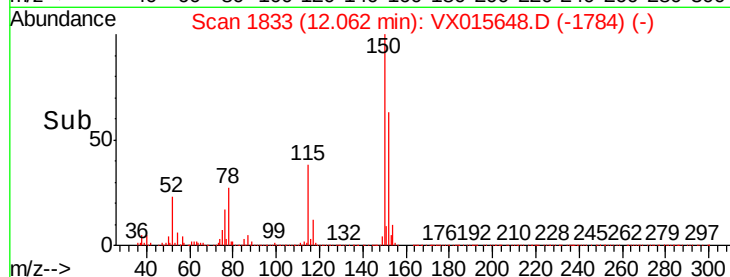
150 158.1 0.0 340.8



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: 24.004 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015648.D

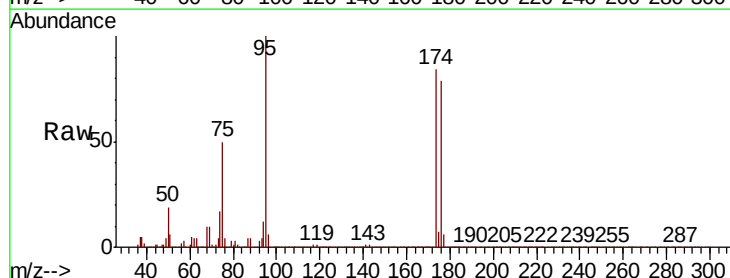
Acq: 13 Apr 2020 17:34

Tgt Ion: 75 Resp: 434815

Ion Ratio Lower Upper

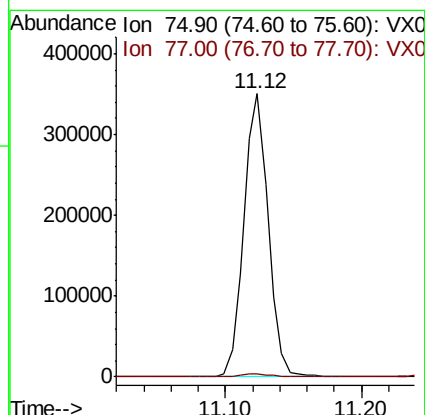
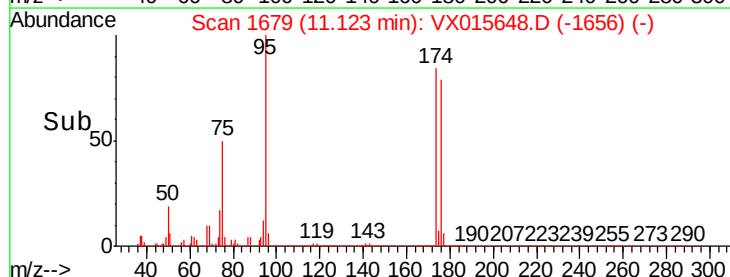
75 100

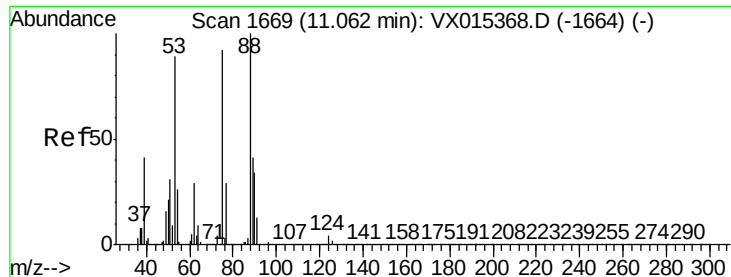
77 1.0 21.2 63.6#



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: 57.598 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015648.D
 Acq: 13 Apr 2020 17:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200407

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	80.1	120.1#
89	0.2	36.1	54.1#

