

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015787.D
 Acq On : 21 Apr 2020 12:18
 Operator : JC/SP
 Sample : VX0421WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBL01

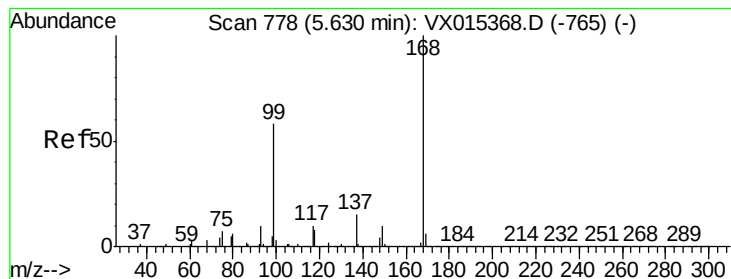
Quant Time: Apr 21 16:18:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	1015959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1553123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1470247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	795173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	596125	41.60	ug/l	0.00
Spiked Amount			Recovery	=	83.20%	
35) Dibromofluoromethane	5.47	113	478667	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.70	98	1865897	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.12	95	758240	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2968	Below Cal		82
10) Methyl Iodide	2.49	142	3711	0.301	ug/l #	46
11) Tert butyl alcohol	2.98	59	1041	0.304	ug/l #	30
12) 1,1-Dichloroethene	2.36	96	2074	0.216	ug/l #	65
13) Acrolein	2.28	56	934	0.478	ug/l	90
15) Acrylonitrile	3.12	53	2046	0.313	ug/l #	41
16) Acetone	2.42	43	1557	0.253	ug/l #	63
17) Carbon Disulfide	2.55	76	60086	2.054	ug/l	98
20) Methylene Chloride	2.83	84	2381	0.207	ug/l #	58
25) 2-Butanone	4.64	43	2246	0.227	ug/l #	86
29) Tetrahydrofuran	5.09	42	2372	0.373	ug/l #	77
36) 1,1-Dichloropropene	5.63	75	69854	4.881	ug/l #	53
38) Carbon Tetrachloride	5.62	117	90599	5.845	ug/l #	16
42) 1,2-Dichloroethane	6.17	62	3838	0.228	ug/l	97
49) 1,4-Dioxane	7.70	88	128	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	378630	23.155	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	378630	55.559	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 777

Delta R.T. -0.01 min

Lab File: VX015787.D

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Instrument :

MSVOA_X

ClientSampleId :

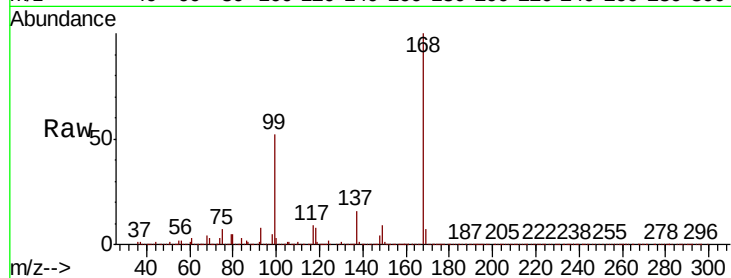
VX0421WBL01

Tot Ion:168 Resp: 1015959

Ion Ratio Lower Upper

168 100

99 52.1 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

400000

300000

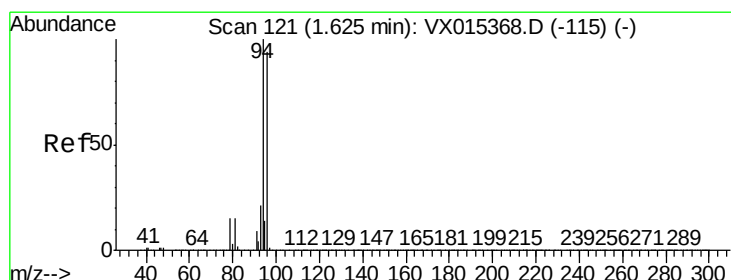
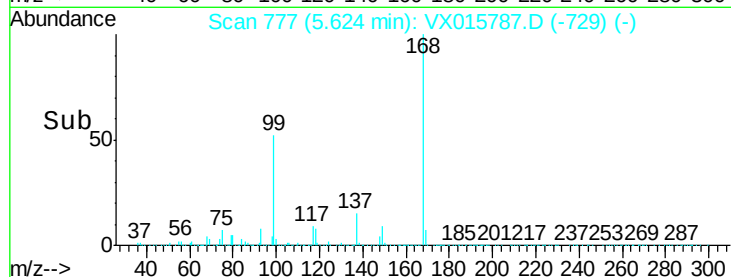
200000

100000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015787.D

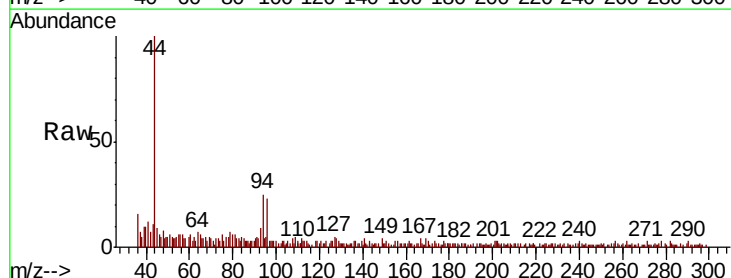
Acq: 21 Apr 2020 12:18

Tgt Ion: 94 Resp: 2968

Ion Ratio Lower Upper

94 100

96 76.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

2500

2000

1500

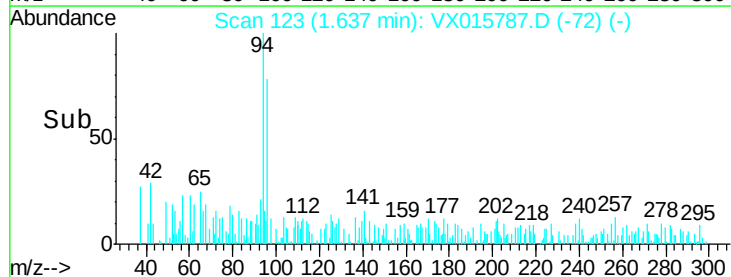
1000

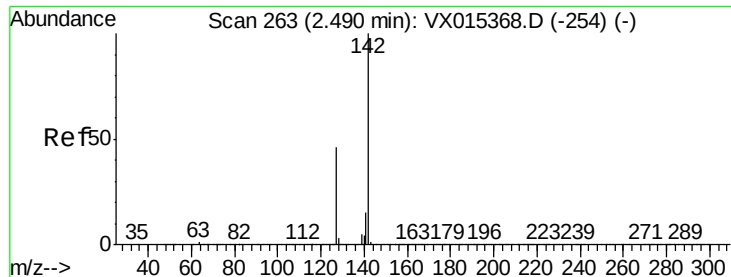
500

0

Time-->

1.60 1.65 1.70

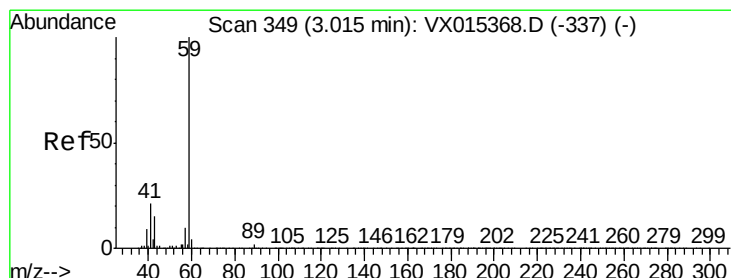
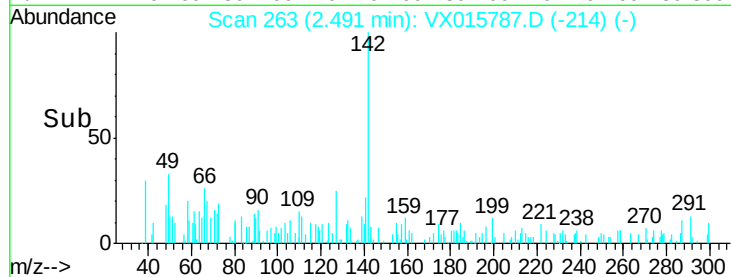
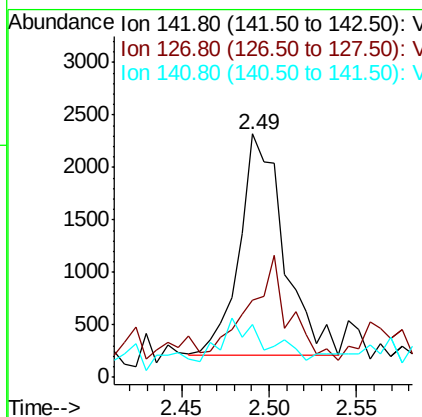
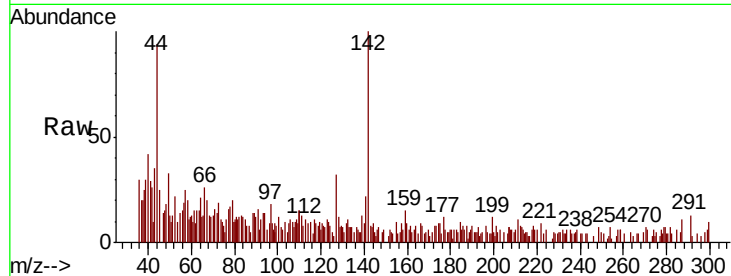




#10
Methvl Iodide
Concen: 0.301 ug/l
RT: 2.49 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX015787.D
Acq: 21 Apr 2020 12:18

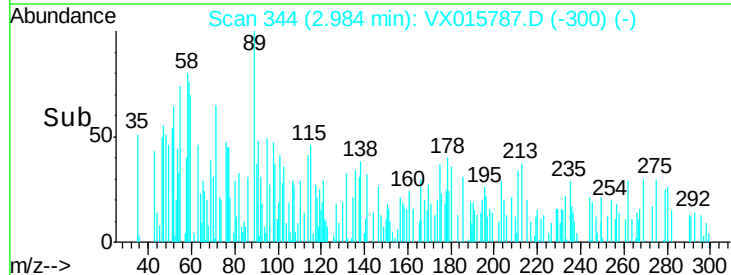
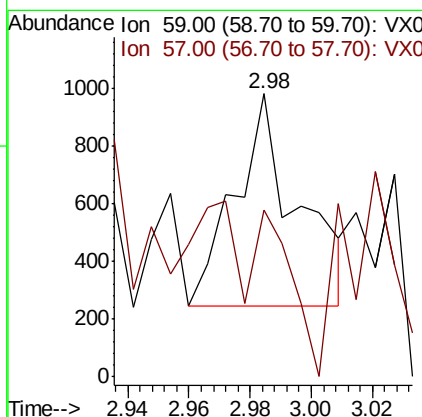
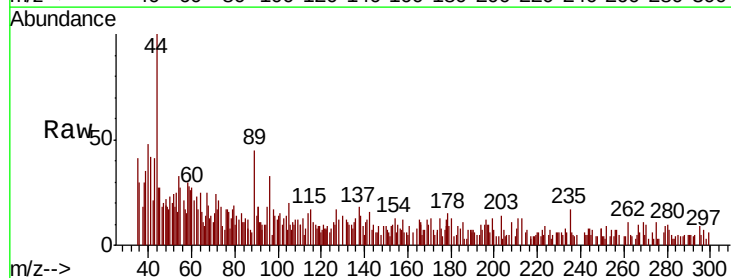
Instrument :
MSVOA_X
ClientSampleId :
VX0421WBL01

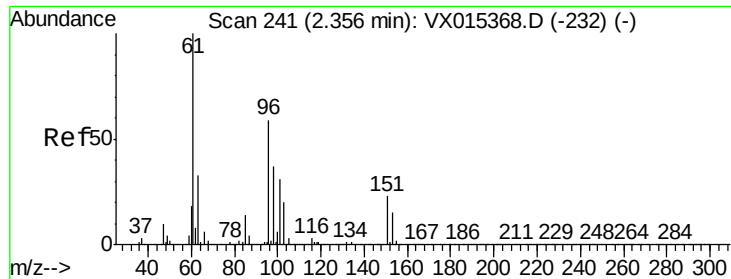
Tot Ion:142 Resp: 3711
Ion Ratio Lower Upper
142 100
127 0.0 35.9 53.9#
141 18.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.304 ug/l
RT: 2.98 min Scan# 344
Delta R.T. -0.03 min
Lab File: VX015787.D
Acq: 21 Apr 2020 12:18

Tgt Ion: 59 Resp: 1041
Ion Ratio Lower Upper
59 100
57 36.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.216 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampled :

VX0421WBL01

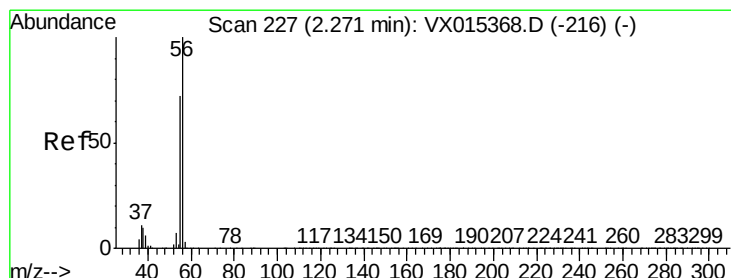
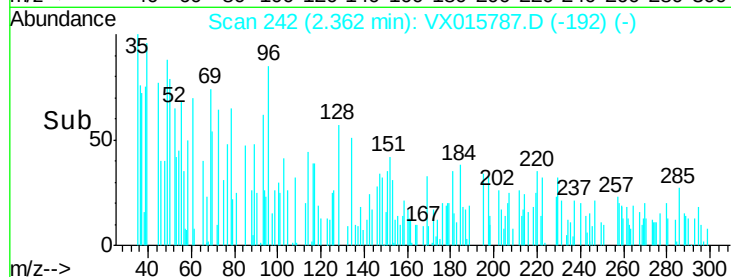
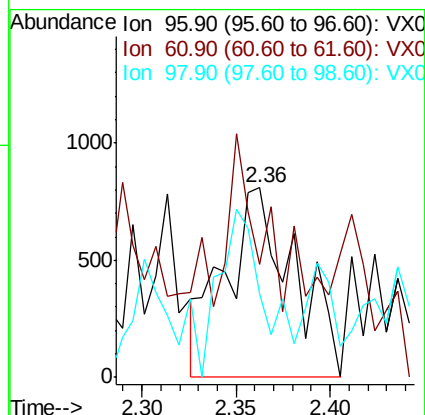
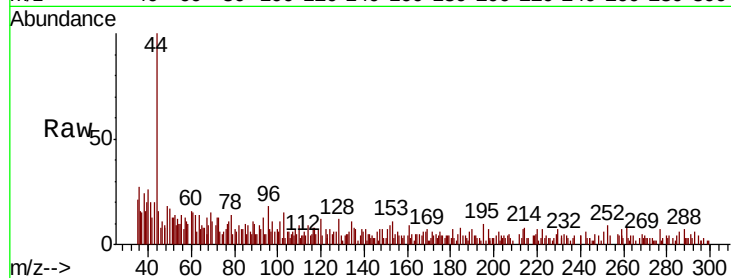
Tot Ion: 96 Resp: 2074

Ion Ratio Lower Upper

96 100

61 119.2 135.7 203.5#

98 86.7 50.6 75.8#



#13

Acrolein

Concen: 0.478 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015787.D

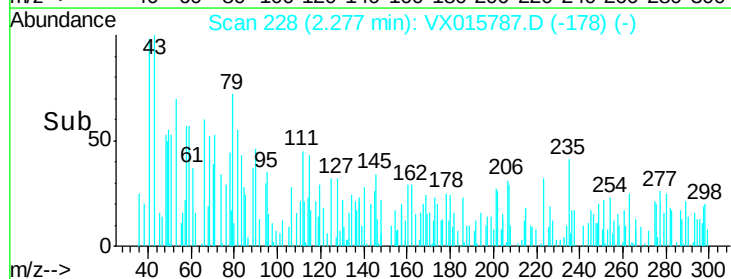
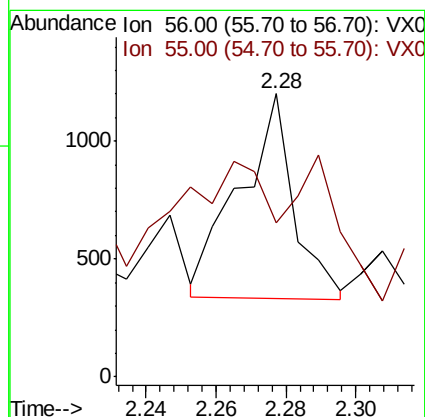
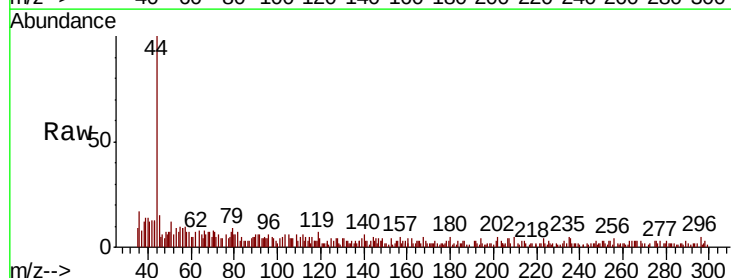
Acq: 21 Apr 2020 12:18

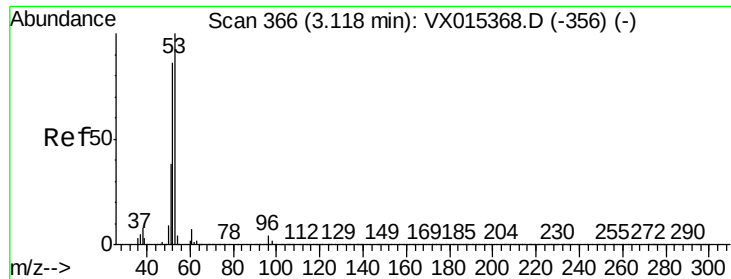
Tgt Ion: 56 Resp: 934

Ion Ratio Lower Upper

56 100

55 79.8 57.0 85.4

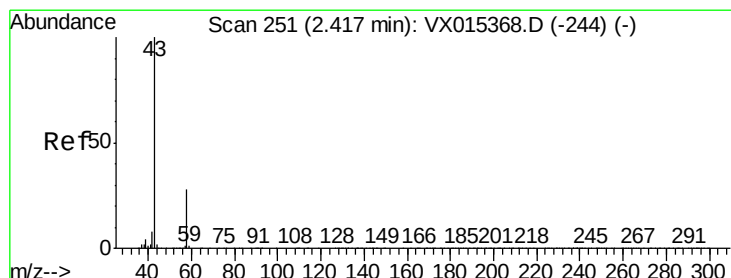
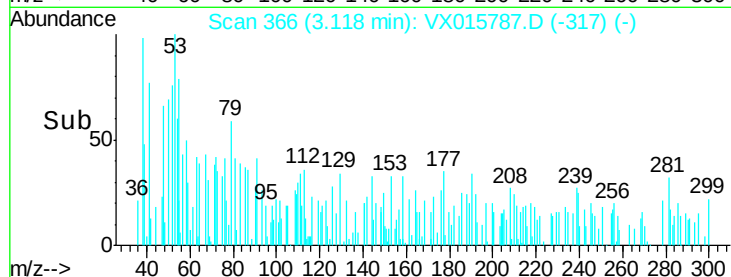
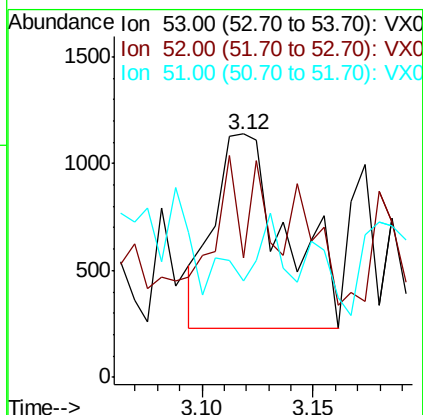
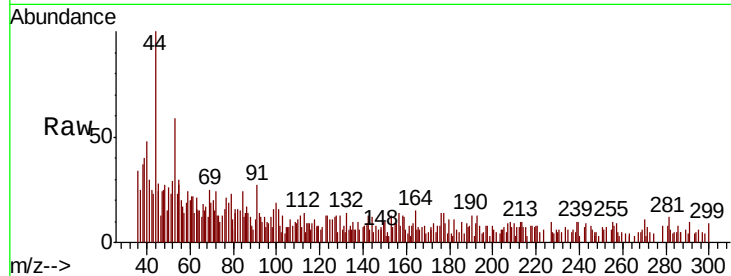




#15
 Acrylonitrile
 Concen: 0.313 ug/l
 RT: 3.12 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VX015787.D
 Acq: 21 Apr 2020 12:18

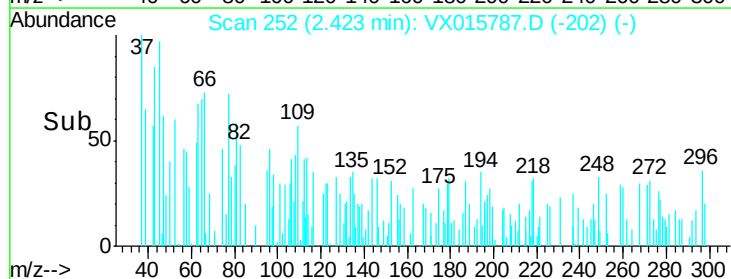
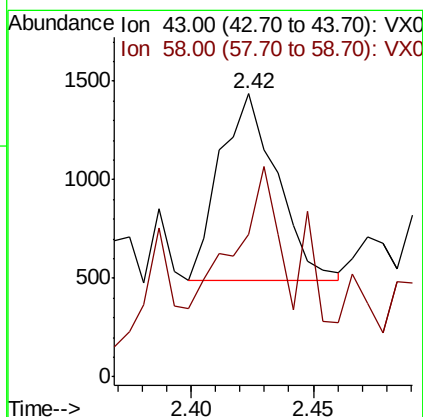
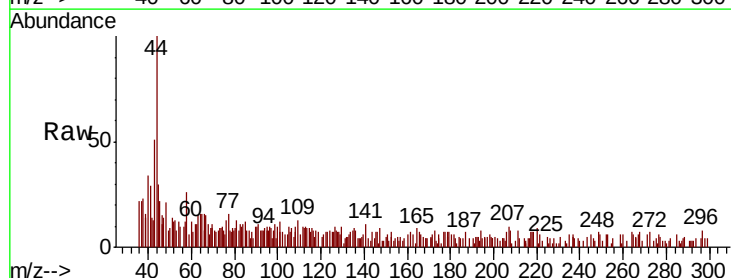
Instrument :
 MSVOA_X
 ClientSampled :
 VX0421WBL01

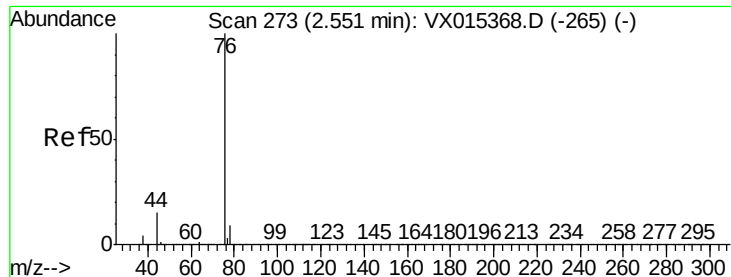
Tot Ion: 53 Resp: 2046
 Ion Ratio Lower Upper
 53 100
 52 31.5 66.8 100.2#
 51 0.0 29.5 44.3#



#16
 Acetone
 Concen: 0.253 ug/l
 RT: 2.42 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VX015787.D
 Acq: 21 Apr 2020 12:18

Tgt Ion: 43 Resp: 1557
 Ion Ratio Lower Upper
 43 100
 58 47.0 22.1 33.1#





#17

Carbon Disulfide

Concen: 2.054 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

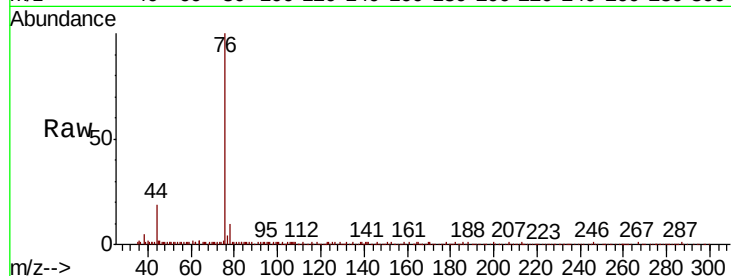
VX0421WBL01

Tot Ion: 76 Resp: 60086

Ion Ratio Lower Upper

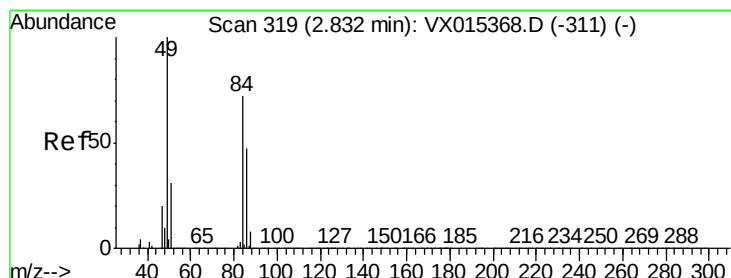
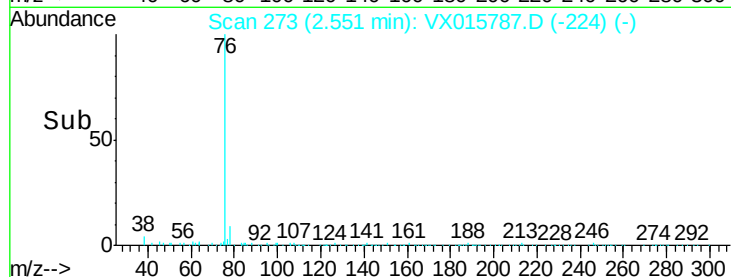
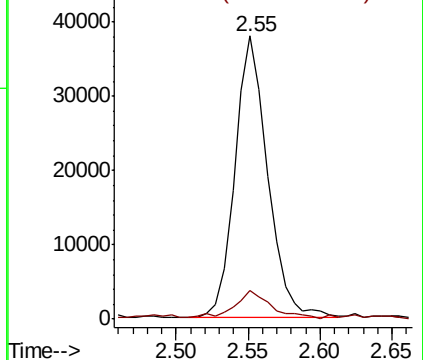
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.207 ug/l

RT: 2.83 min Scan# 319

Delta R.T. 0.00 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Tgt Ion: 84 Resp: 2381

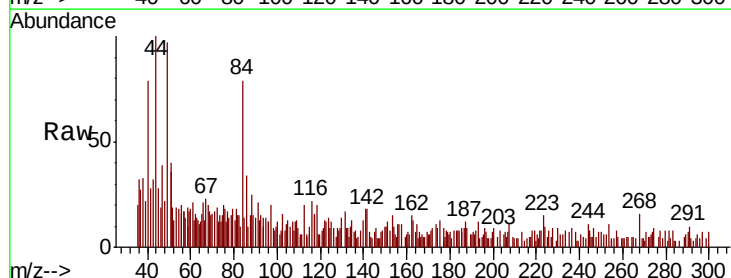
Ion Ratio Lower Upper

84 100

49 116.0 111.3 166.9

51 111.3 34.0 51.0#

86 26.4 52.5 78.7#

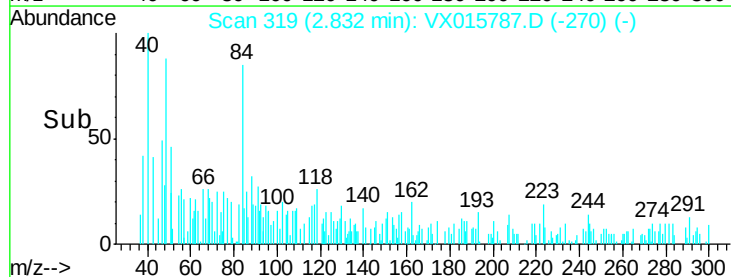
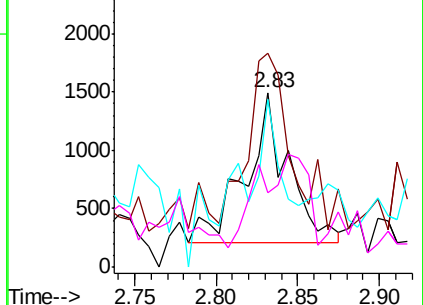


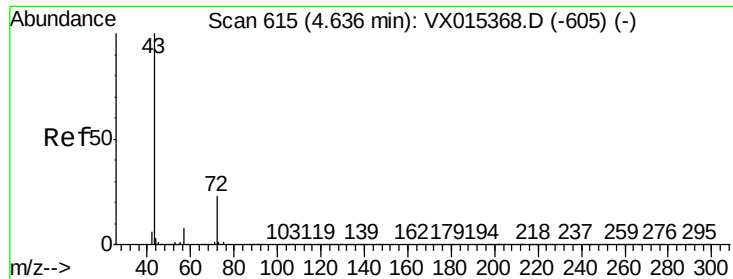
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.227 ug/l

RT: 4.64 min Scan# 615

Delta R.T. 0.00 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampled :

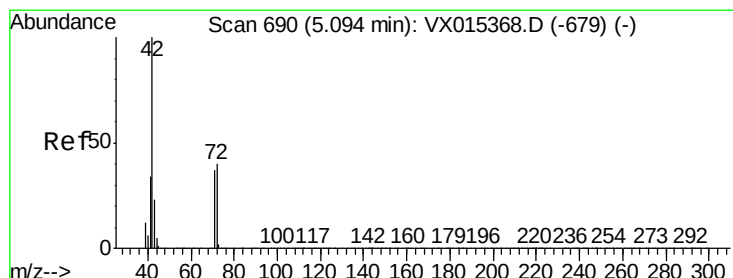
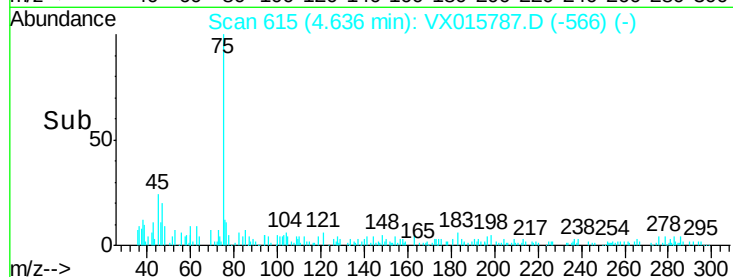
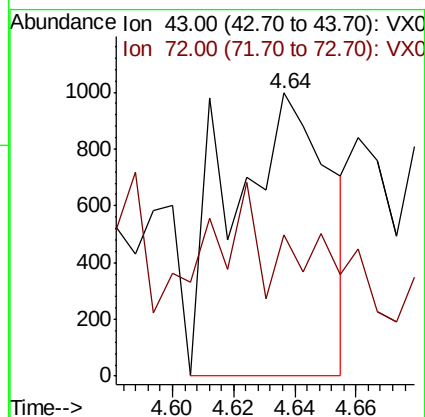
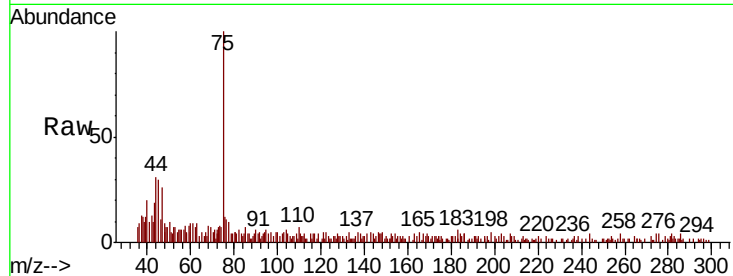
VX0421WBL01

Tot Ion: 43 Resp: 2246

Ion Ratio Lower Upper

43 100

72 16.9 19.0 28.4#



#29

Tetrahydrofuran

Concen: 0.373 ug/l

RT: 5.09 min Scan# 690

Delta R.T. 0.00 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

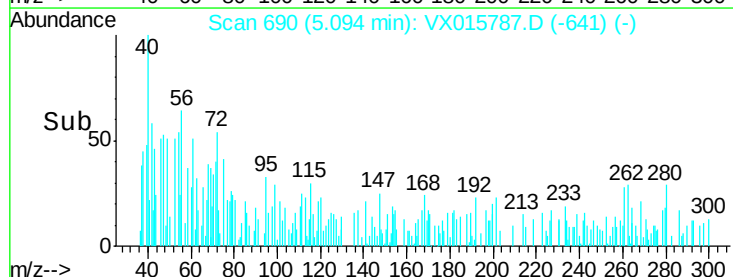
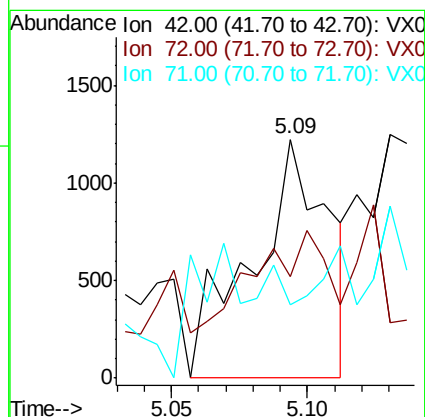
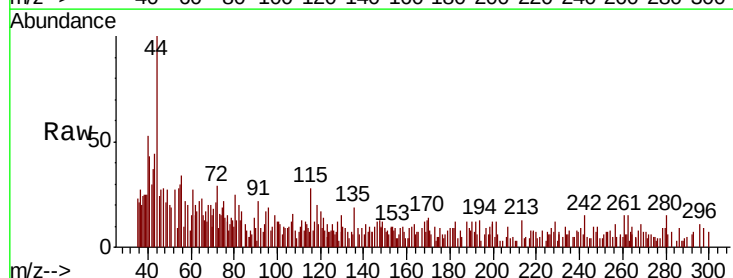
Tgt Ion: 42 Resp: 2372

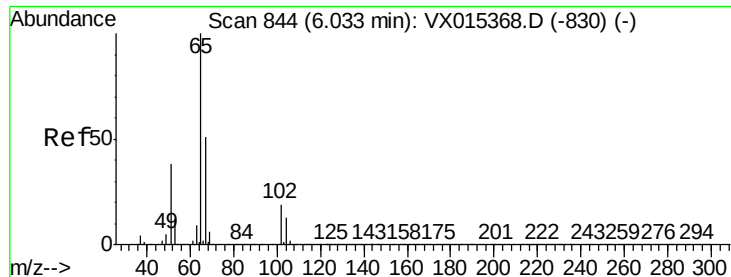
Ion Ratio Lower Upper

42 100

72 47.6 31.7 47.5#

71 16.8 29.6 44.4#

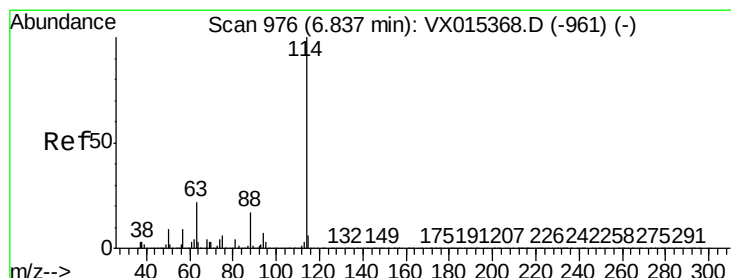
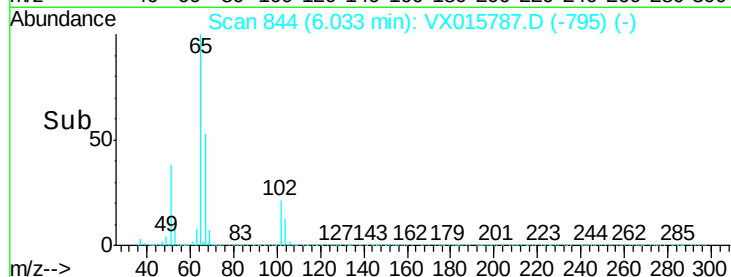
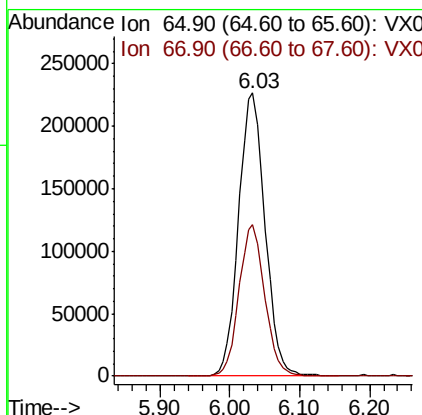
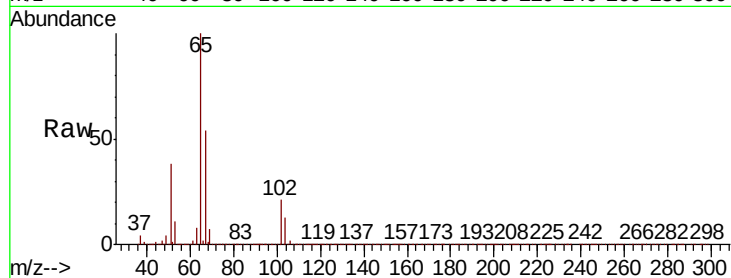




#33
 1,2-Dichloroethane-d4
 Concen: 41.603 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015787.D
 Acq: 21 Apr 2020 12:18

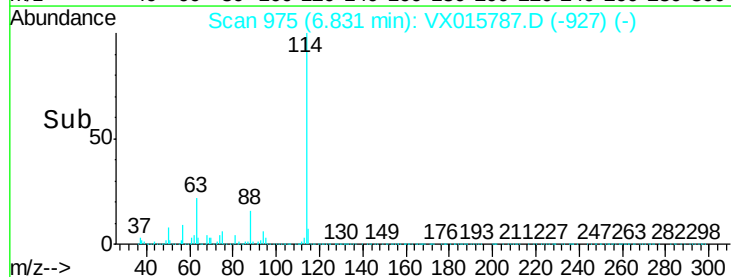
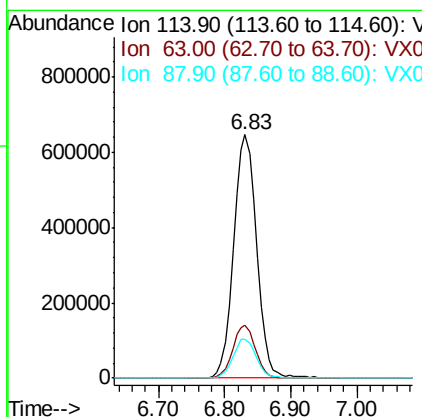
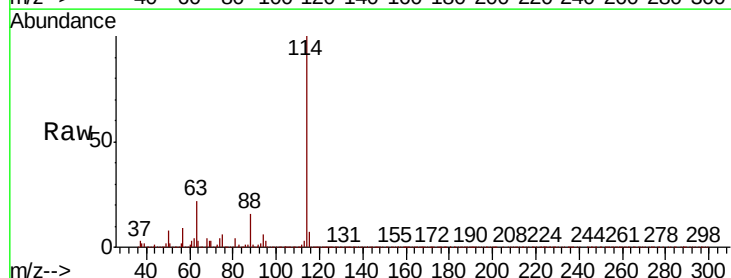
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBL01

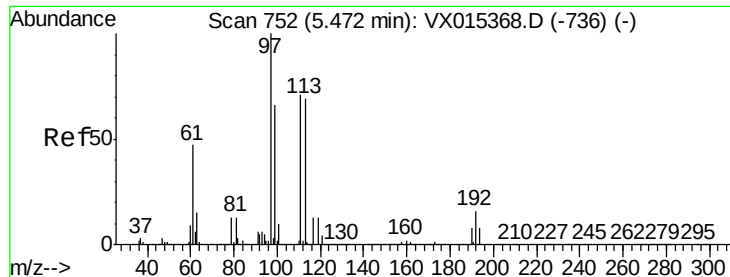
Tot Ion: 65 Resp: 596125
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015787.D
 Acq: 21 Apr 2020 12:18

Tgt Ion: 114 Resp: 1553123
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.2
 88 15.9 0.0 33.8

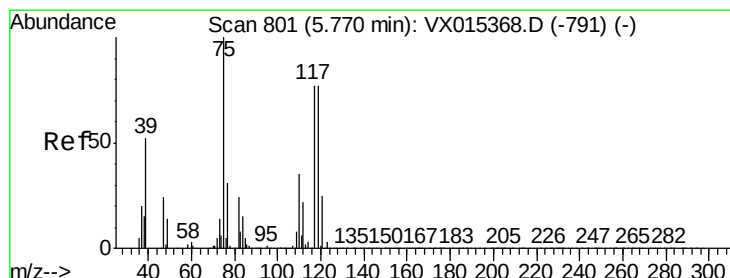
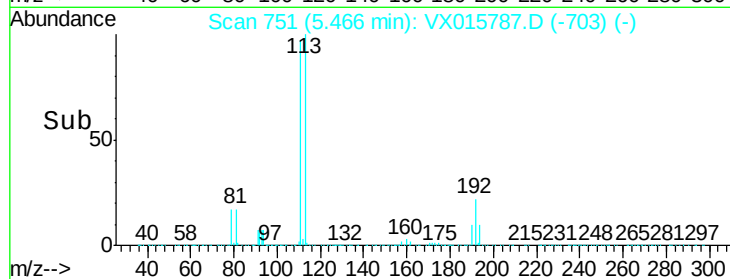
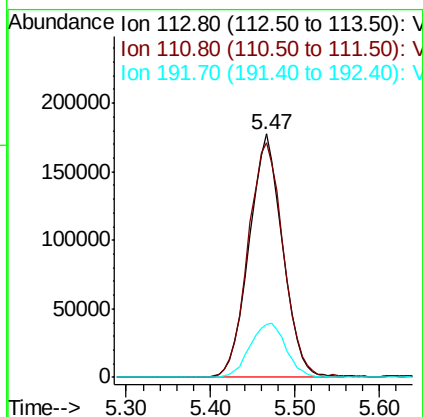
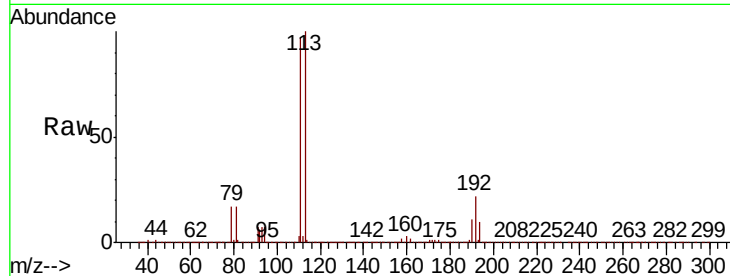




#35
 Dibromofluoromethane
 Concen: 48.214 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015787.D
 Acq: 21 Apr 2020 12:18

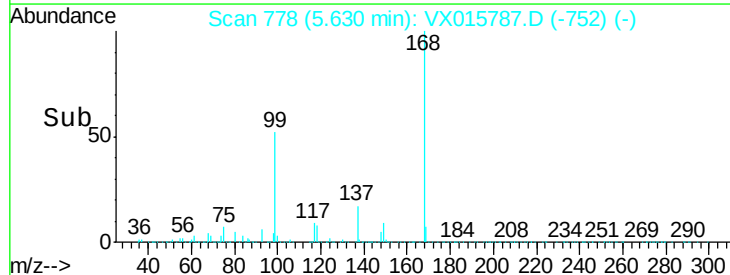
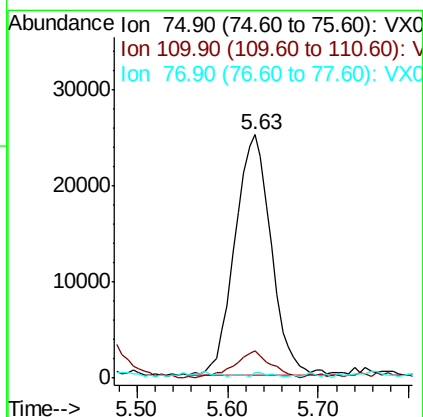
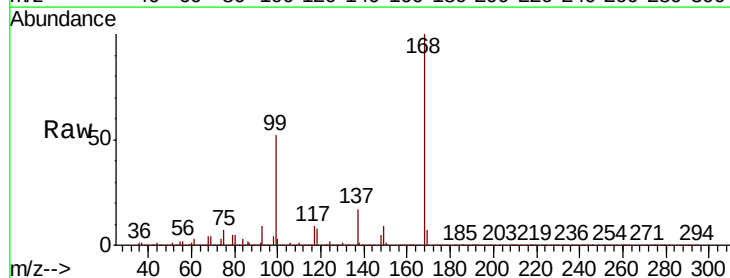
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0421WBL01

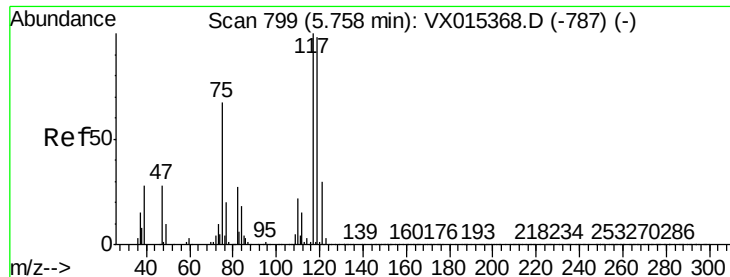
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	24.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015787.D
 Acq: 21 Apr 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	17.1	51.3#
77	0.7	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.845 ug/l

RT: 5.62 min Scan# 777

Delta R.T. -0.13 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampled :

VX0421WBL01

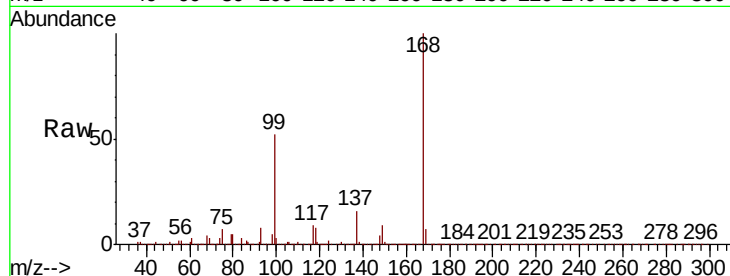
Tot Ion:117 Resp: 90599

Ion Ratio Lower Upper

117 100

119 5.6 78.0 117.0#

121 0.2 23.8 35.8#



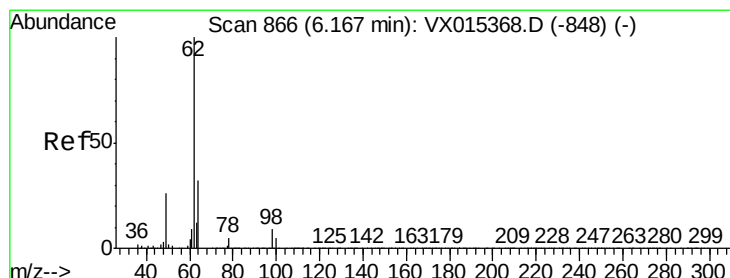
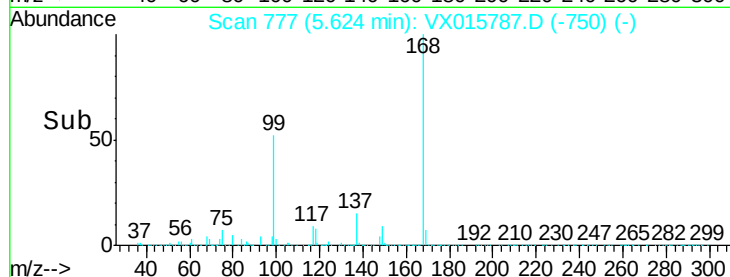
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

5.62

Time-->



#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 6.17 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX015787.D

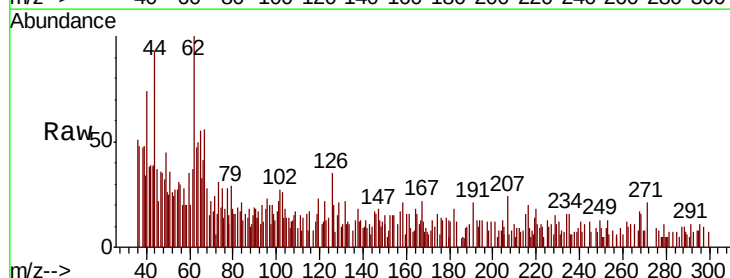
Acq: 21 Apr 2020 12:18

Tgt Ion: 62 Resp: 3838

Ion Ratio Lower Upper

62 100

98 7.6 0.0 17.6

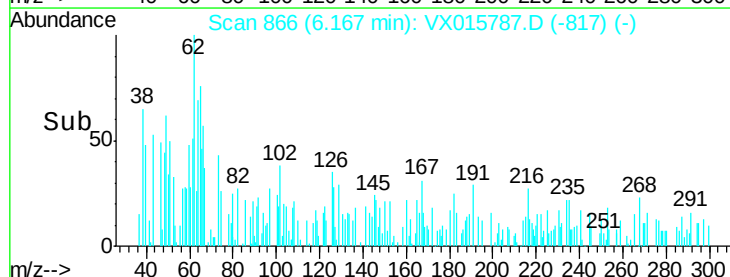


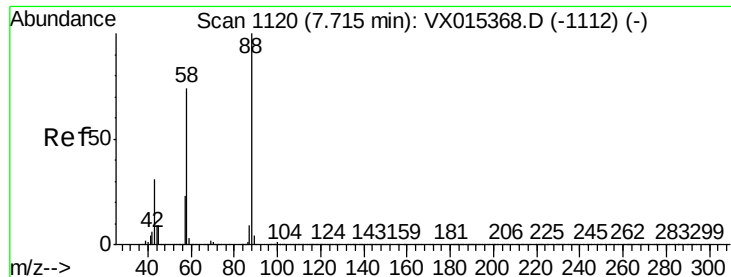
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.17

Time-->





#49

1,4-Dioxane

Concen: 0.437 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.02 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0421WBL01

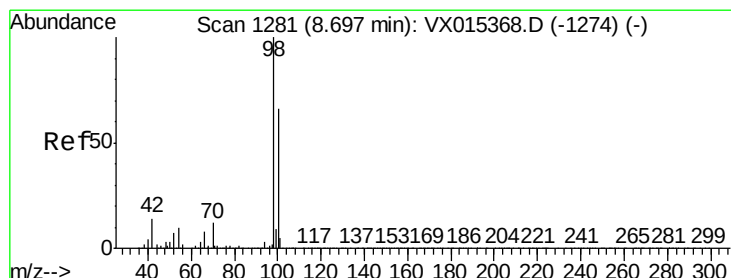
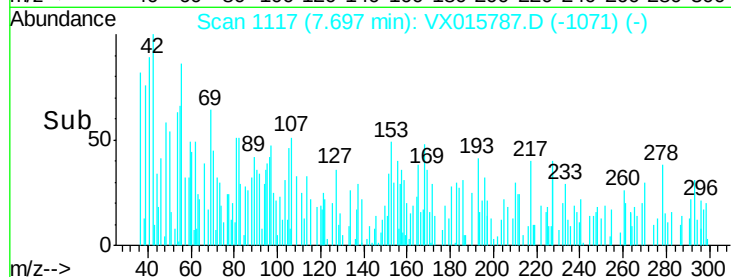
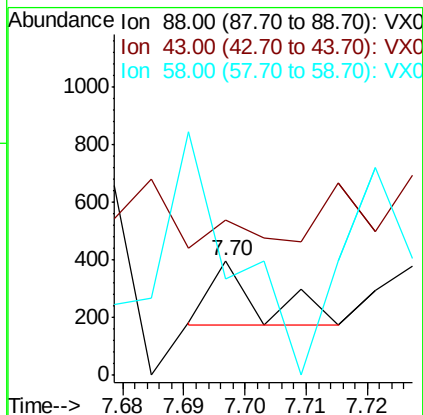
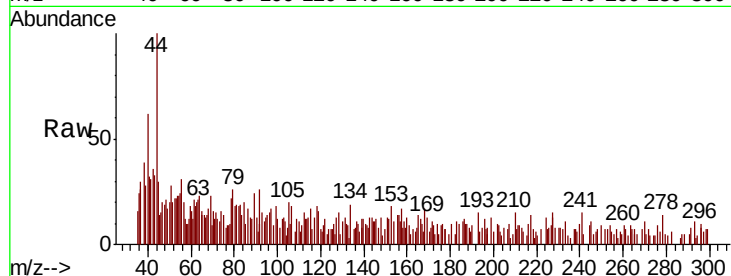
Tot Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 526.6 60.6 90.8#



#50

Toluene-d8

Concen: 51.047 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015787.D

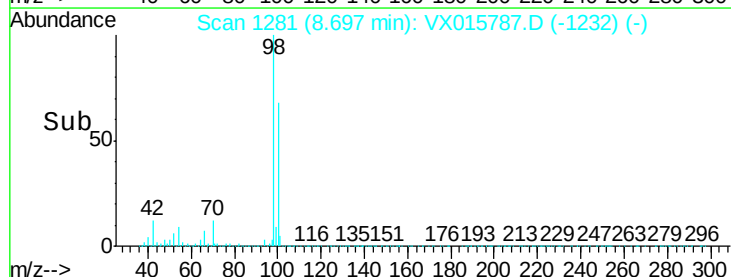
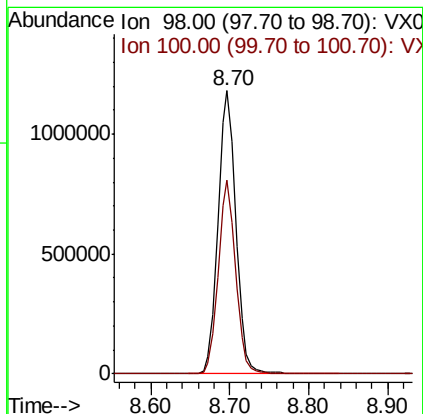
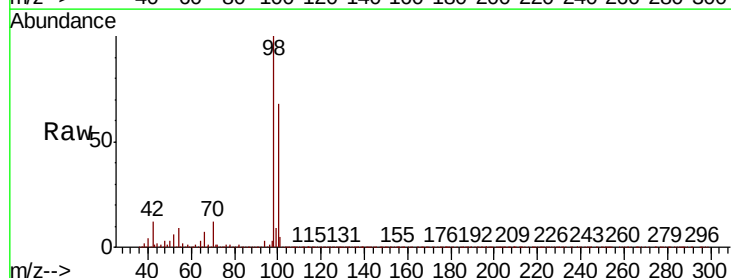
Acq: 21 Apr 2020 12:18

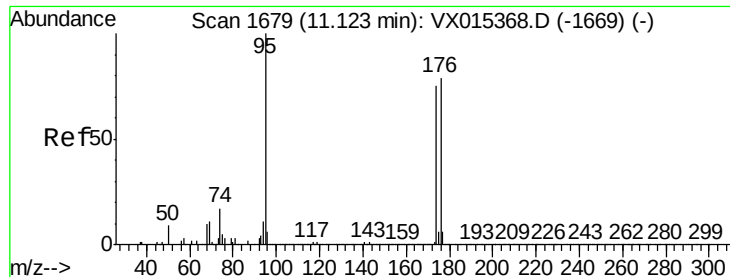
Tgt Ion: 98 Resp: 1865897

Ion Ratio Lower Upper

98 100

100 66.9 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 51.043 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0421WBL01

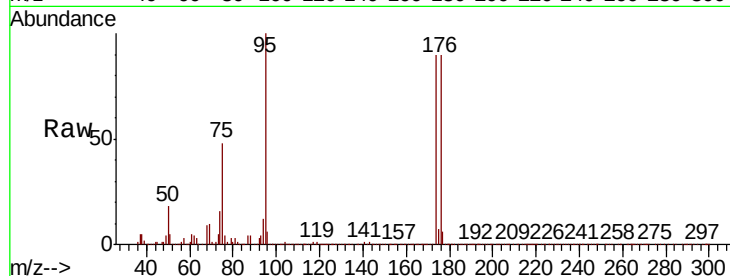
Tot Ion: 95 Resp: 758240

Ion Ratio Lower Upper

95 100

174 85.9 0.0 158.6

176 85.5 0.0 159.0

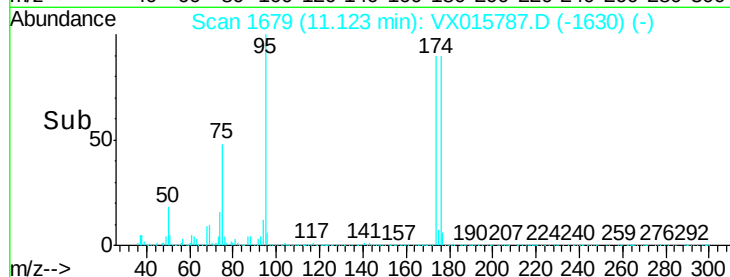


Abundance Ion 94.90 (94.60 to 95.60): VX015787.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015787.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015787.D (-1630) (-)

Time-->

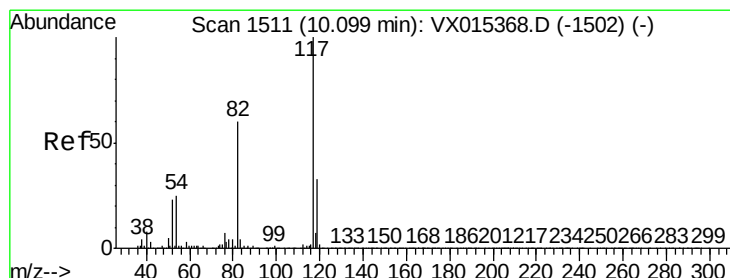


Abundance Ion 94.90 (94.60 to 95.60): VX015787.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015787.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015787.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

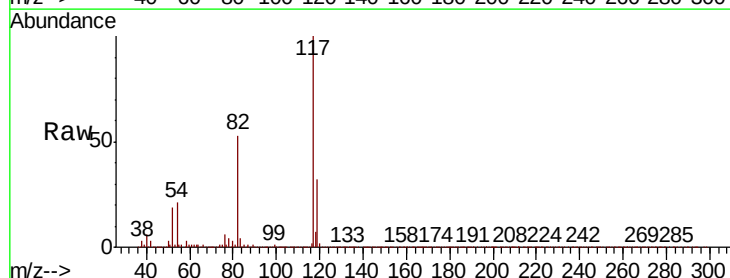
Tgt Ion: 117 Resp: 1470247

Ion Ratio Lower Upper

117 100

82 52.6 47.8 71.8

119 32.4 26.8 40.2

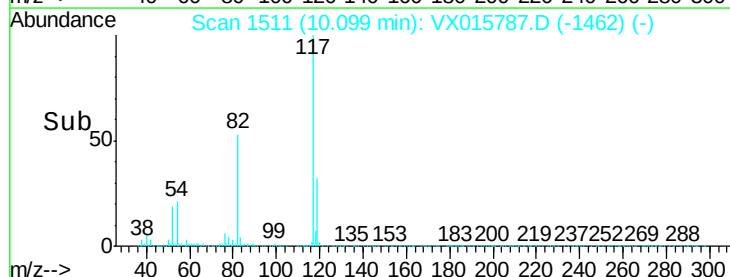


Abundance Ion 116.90 (116.60 to 117.60): VX015787.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015787.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015787.D (-1462) (-)

Time-->

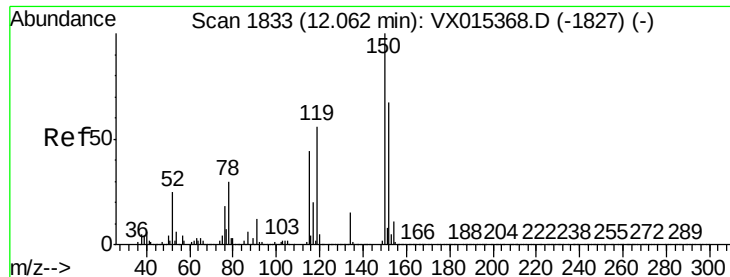


Abundance Ion 116.90 (116.60 to 117.60): VX015787.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015787.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015787.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: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampled :

VX0421WBL01

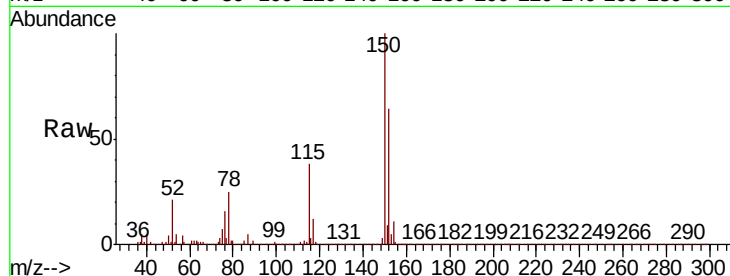
Tot Ion:152 Resp: 795173

Ion Ratio Lower Upper

152 100

115 55.8 39.0 116.9

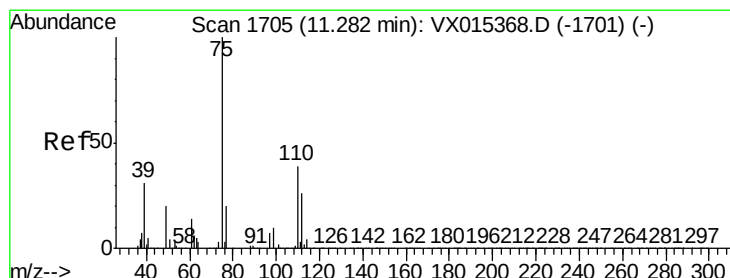
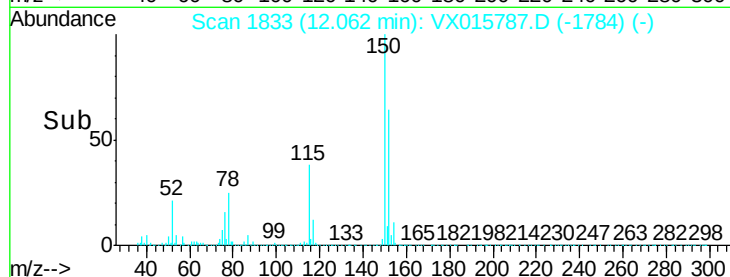
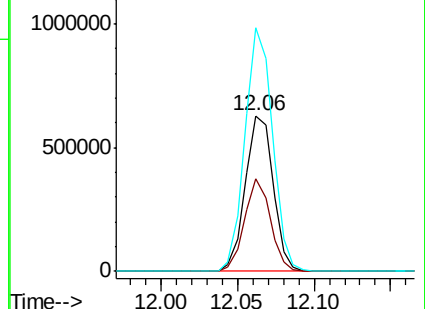
150 155.0 0.0 340.8



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: 23.155 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015787.D

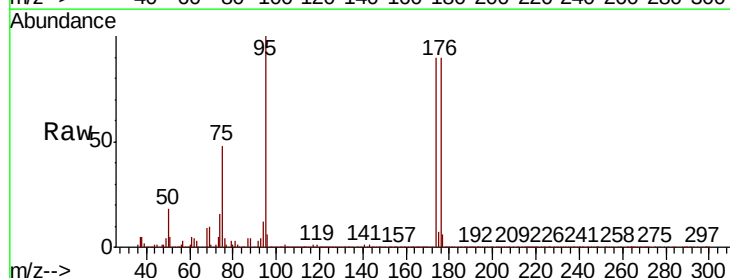
Acq: 21 Apr 2020 12:18

Tgt Ion: 75 Resp: 378630

Ion Ratio Lower Upper

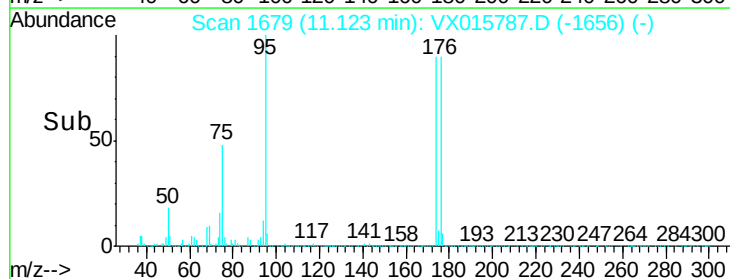
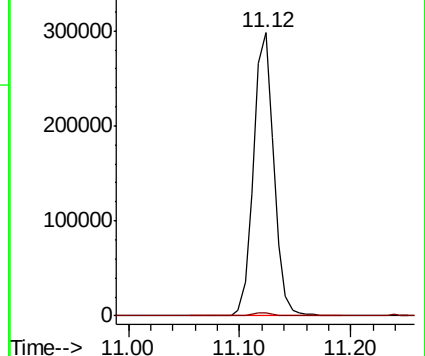
75 100

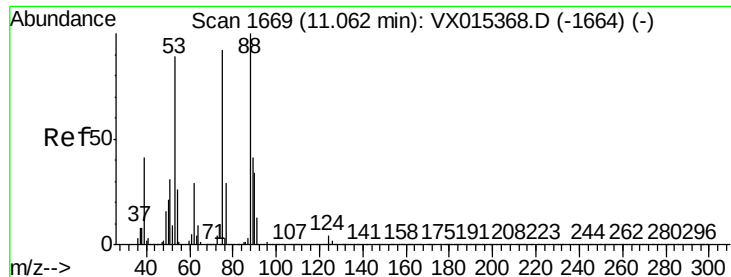
77 1.4 21.2 63.6#



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: 55.559 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015787.D

Acq: 21 Apr 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX0421WBL01

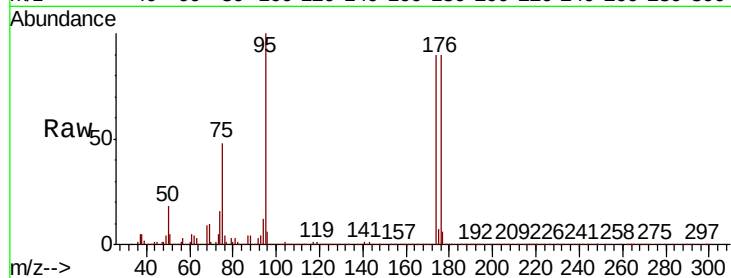
Tot Ion: 75 Resp: 378630

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#



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

