

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012215.D
 Acq On : 08 Sep 2019 11:33
 Operator : SY/SP
 Sample : K4570-03RE
 Misc : 6.43g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOUTH-AVENUE-3-ABCD

Quant Time: Sep 09 01:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	142088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	96326	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
35) Dibromofluoromethane	5.48	113	72420	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	286802	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.13	95	114430	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

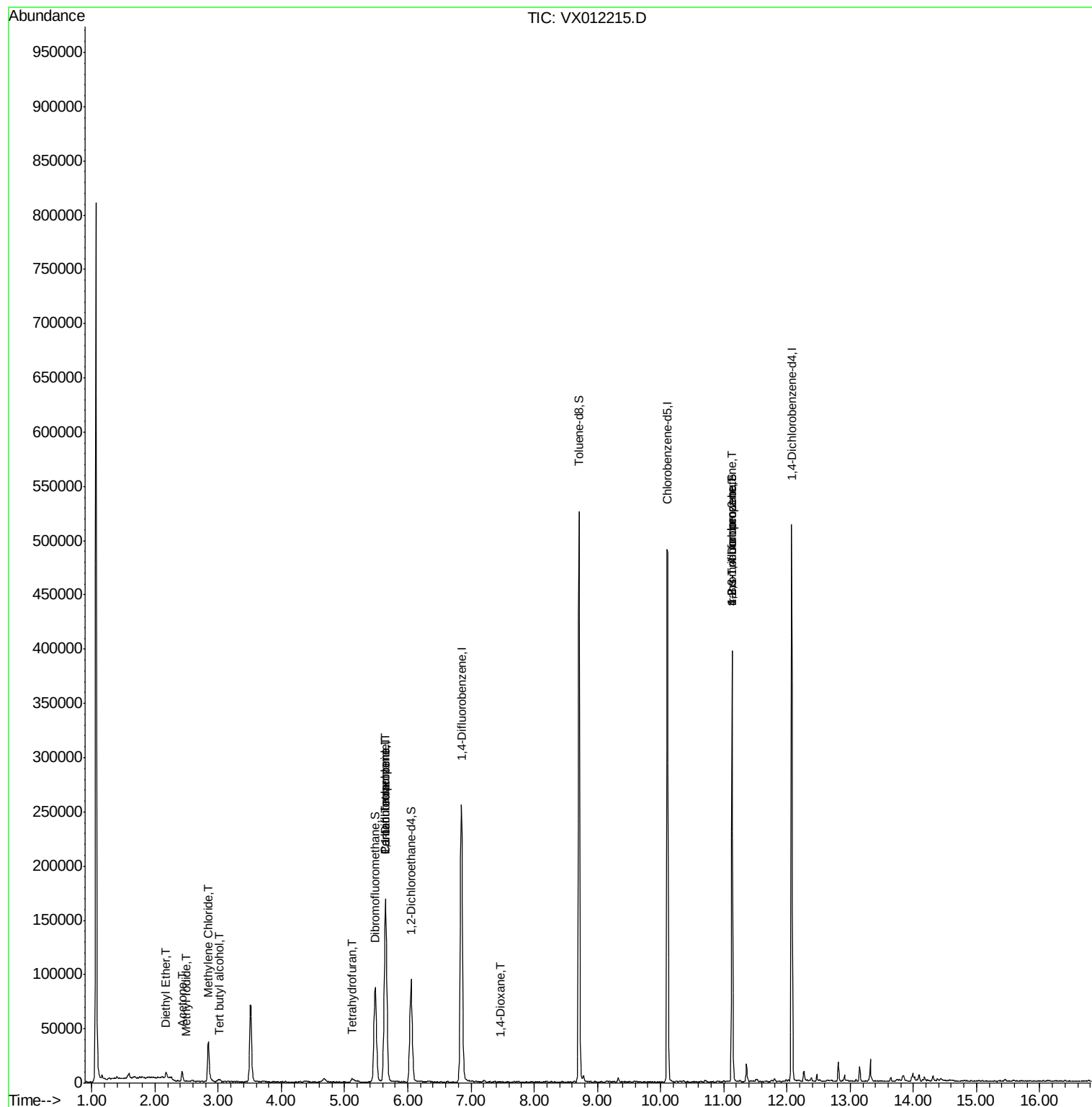
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1676	2.473	ug/l	93
10) Methyl Iodide	2.50	142	187	7.098	ug/l #	86
11) Tert butyl alcohol	3.03	59	2151	11.423	ug/l #	83
13) Acrolein	2.26	56	203	Below Cal	#	12
16) Acetone	2.43	43	10044	21.434	ug/l	94
20) Methylene Chloride	2.84	84	17192	9.136	ug/l	91
29) Tetrahydrofuran	5.13	42	3280	9.126	ug/l	94
36) 1,1-Dichloropropene	5.64	75	12956	6.020	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16737	7.381	ug/l #	15
49) 1,4-Dioxane	7.47	88	42	2.575	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	60633	52.917	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	60633	125.104	ug/l #	10

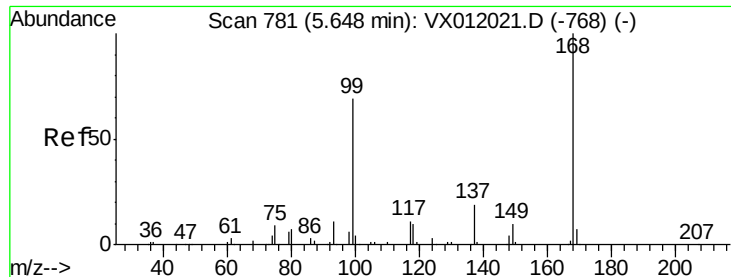
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
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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: VX012215.D

Acq: 08 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

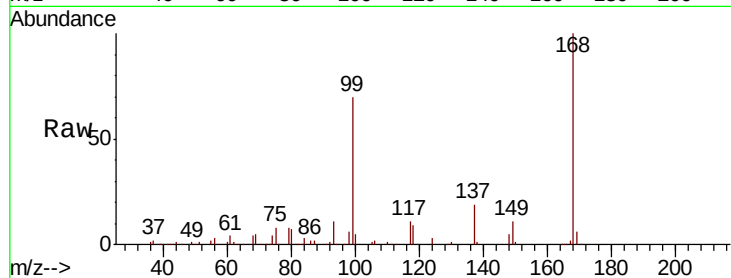
SOUTH-AVENUE-3-ABCD

Tgt Ion:168 Resp: 142088

Ion Ratio Lower Upper

168 100

99 70.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

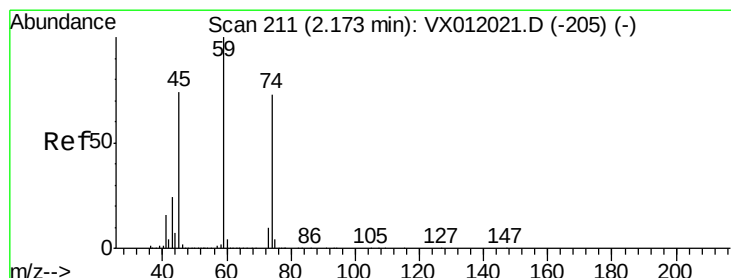
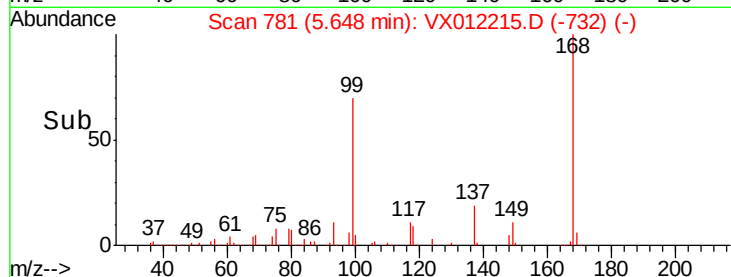
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 2.473 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012215.D

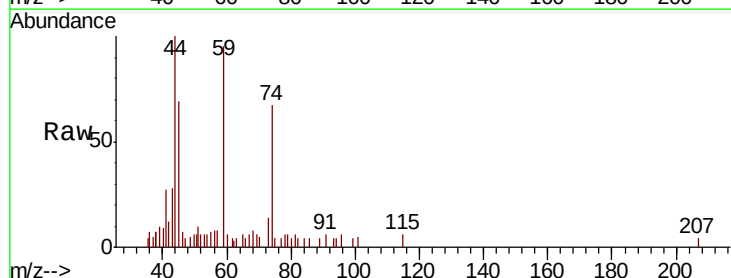
Acq: 08 Sep 2019 11:33

Tgt Ion: 74 Resp: 1676

Ion Ratio Lower Upper

74 100

45 97.9 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1200

1000

800

600

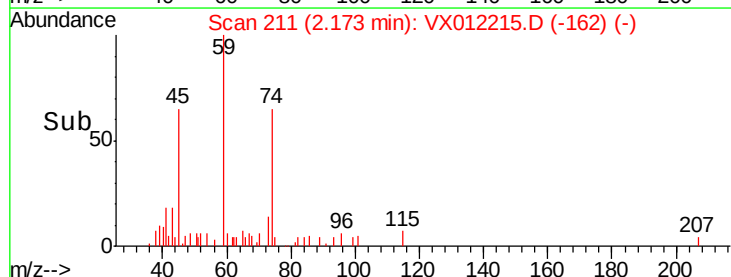
400

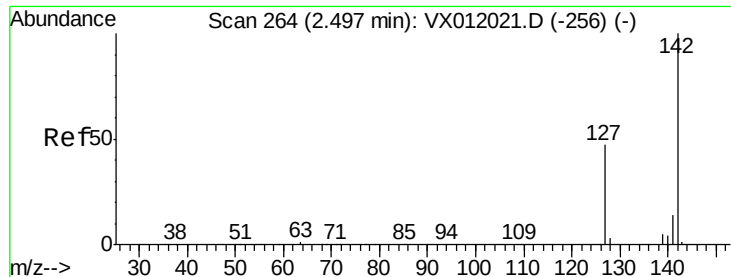
200

0

Time-->

2.10 2.15 2.20 2.25

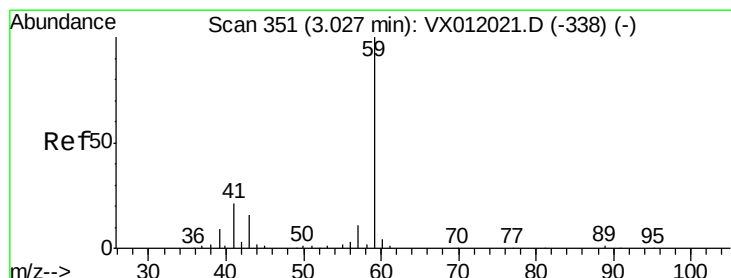
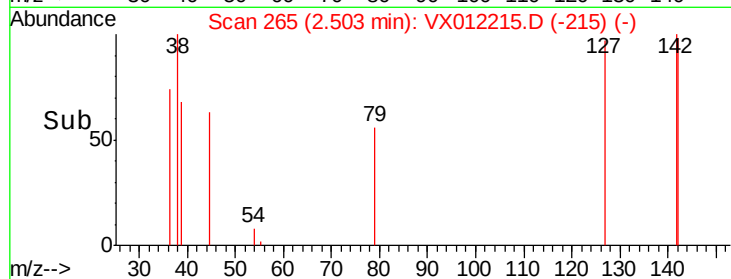
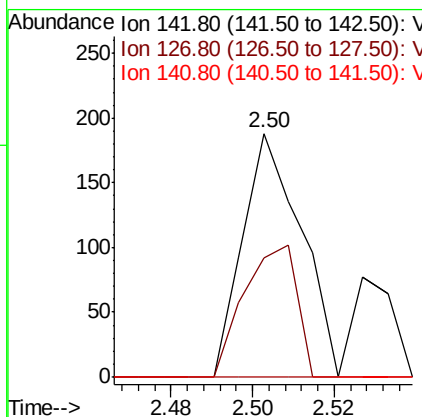
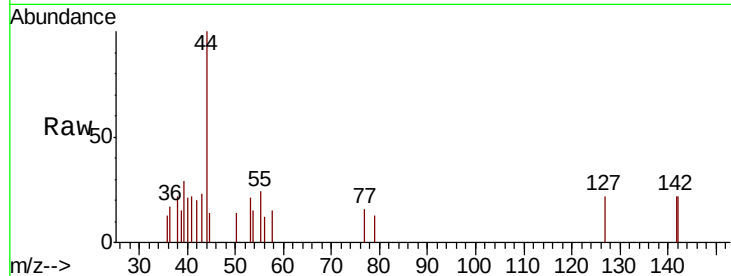




#10
Methyl Iodide
Concen: 7.098 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012215.D
Acq: 08 Sep 2019 11:33

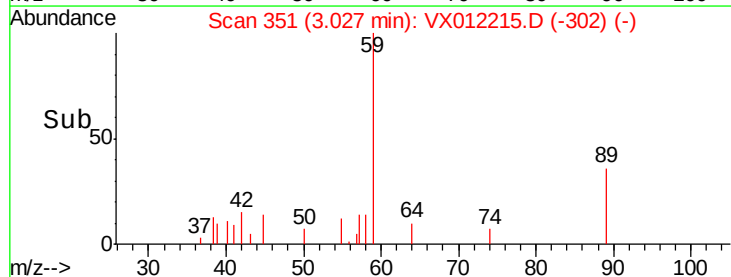
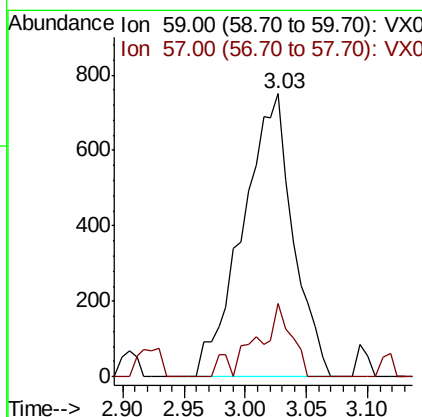
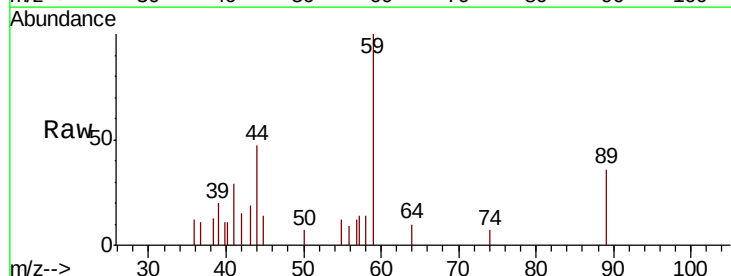
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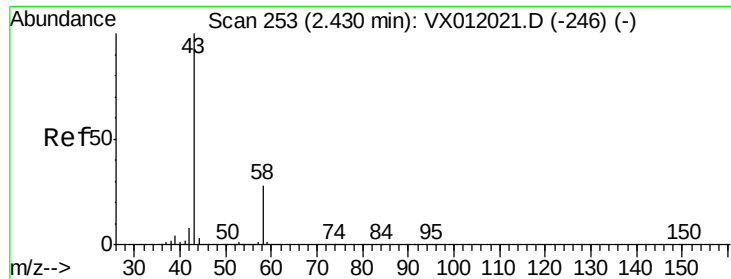
Tgt Ion: 142 Resp: 187
Ion Ratio Lower Upper
142 100
127 49.2 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 11.423 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012215.D
Acq: 08 Sep 2019 11:33

Tgt Ion: 59 Resp: 2151
Ion Ratio Lower Upper
59 100
57 16.3 7.9 11.9#





#16

Acetone

Concen: 21.434 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012215.D

Acq: 08 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

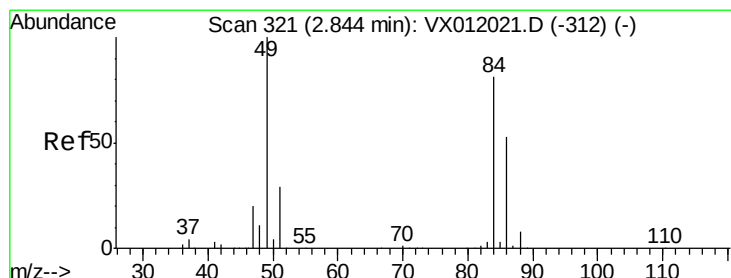
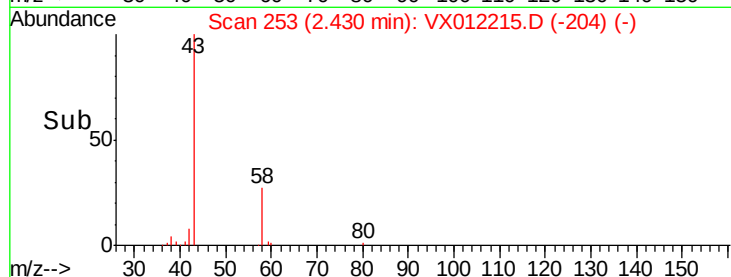
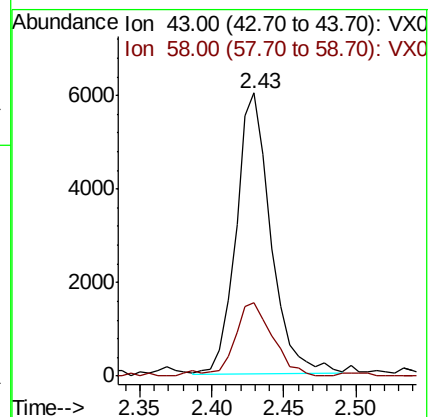
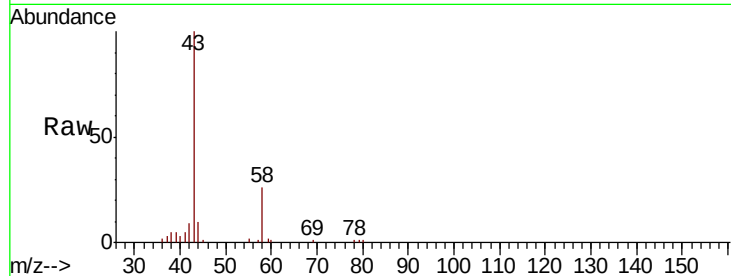
SOUTH-AVENUE-3-ABCD

Tgt Ion: 43 Resp: 10044

Ion Ratio Lower Upper

43 100

58 25.3 22.8 34.2



#20

Methylene Chloride

Concen: 9.136 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012215.D

Acq: 08 Sep 2019 11:33

Tgt Ion: 84 Resp: 17192

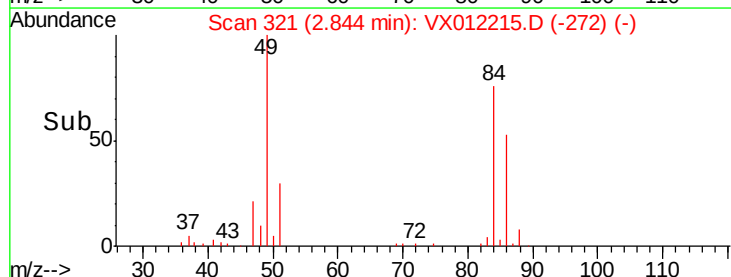
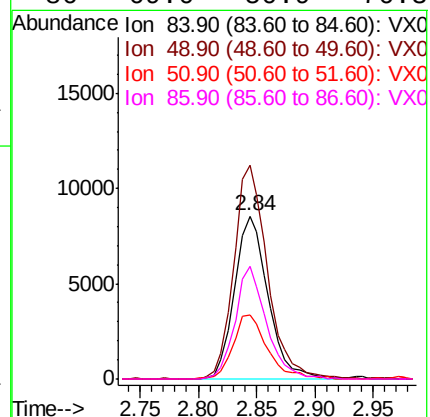
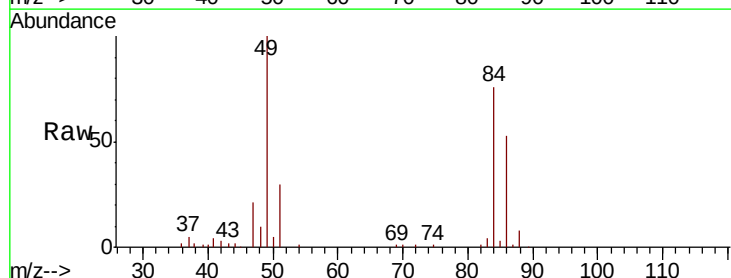
Ion Ratio Lower Upper

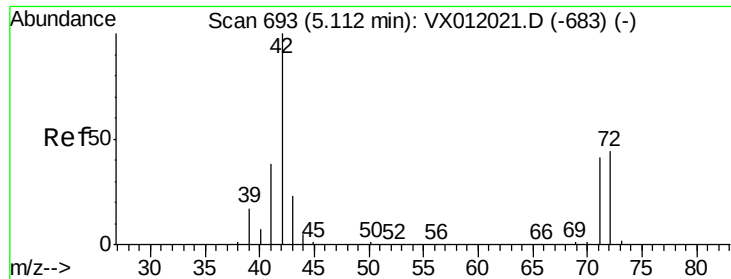
84 100

49 131.1 95.8 143.8

51 39.4 28.6 43.0

86 69.0 50.9 76.3

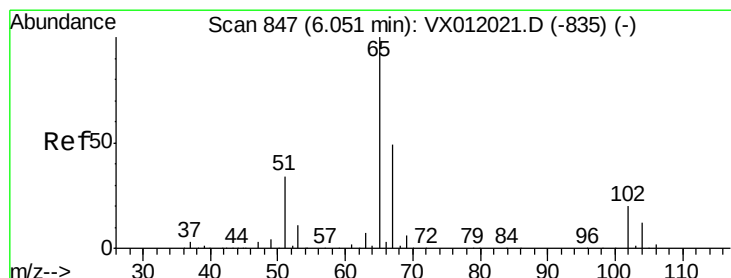
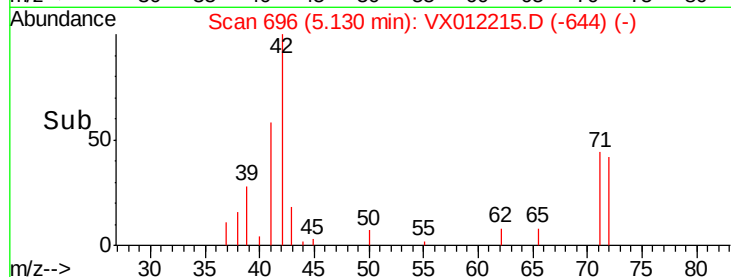
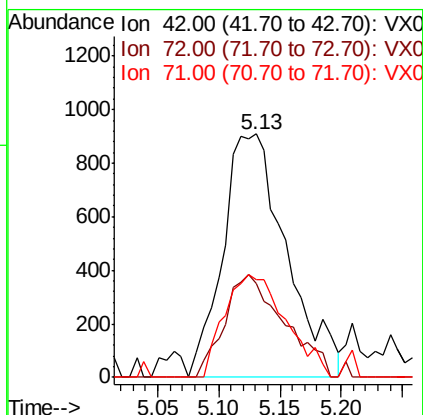
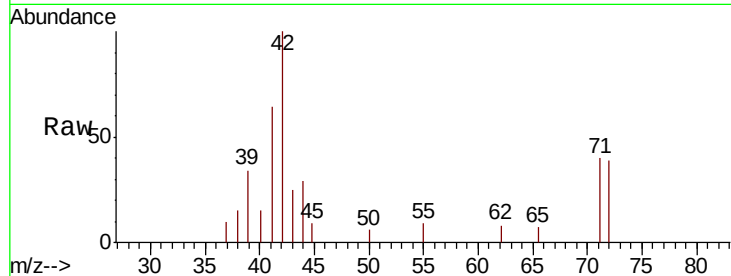




#29
Tetrahydrofuran
Concen: 9.126 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012215.D
Acq: 08 Sep 2019 11:33

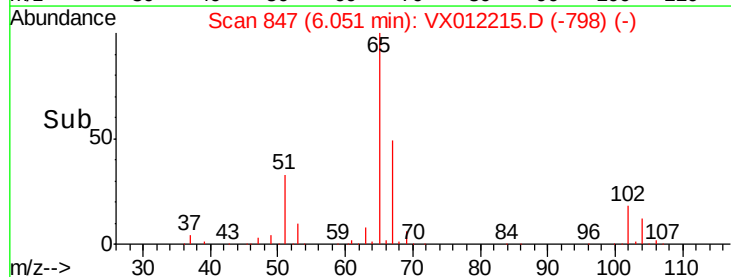
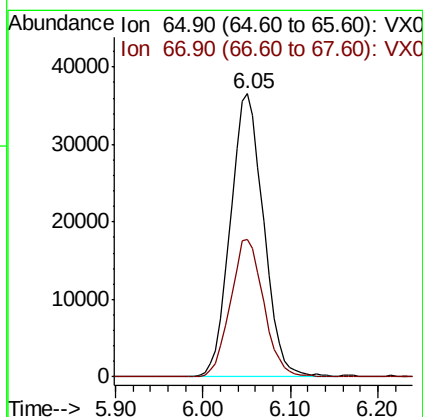
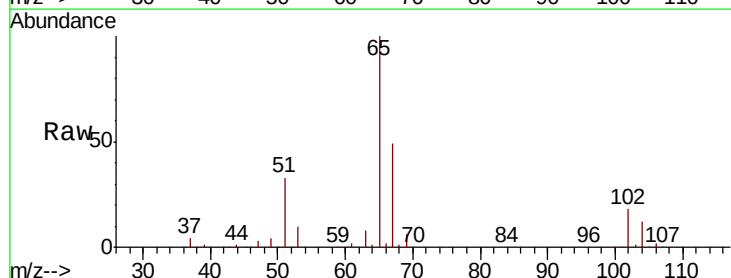
Instrument :
MSVOA_X
ClientSampleId :
SOUTH-AVENUE-3-ABCD

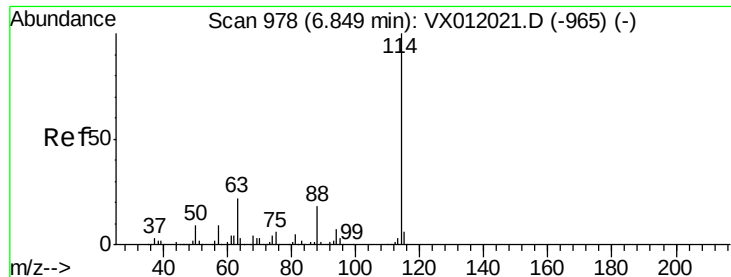
Tgt Ion: 42 Resp: 3280
Ion Ratio Lower Upper
42 100
72 39.6 37.0 55.4
71 41.0 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 49.133 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012215.D
Acq: 08 Sep 2019 11:33

Tgt Ion: 65 Resp: 96326
Ion Ratio Lower Upper
65 100
67 48.9 0.0 102.0

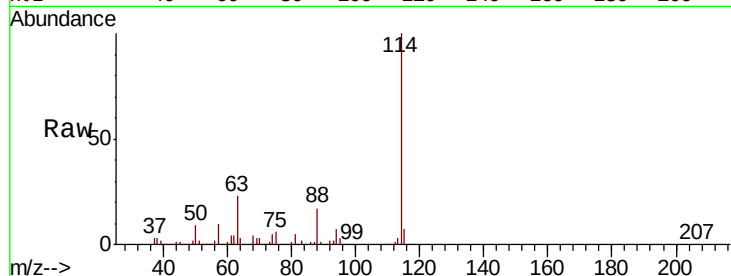




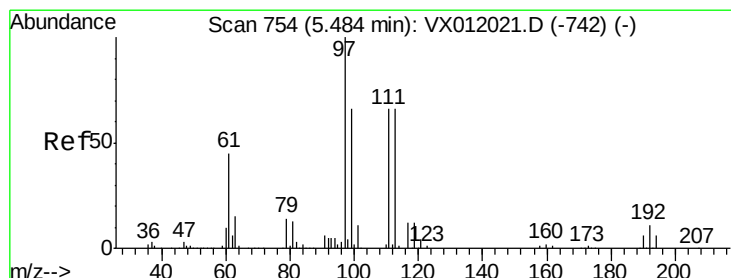
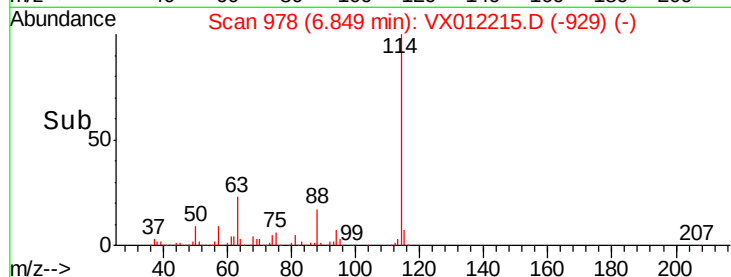
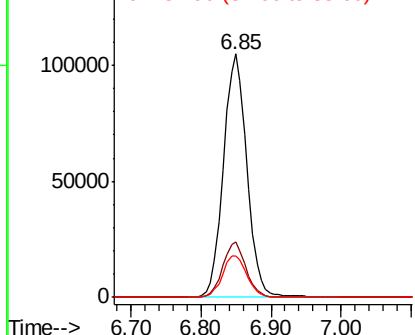
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012215.D
 Acq: 08 Sep 2019 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SOUTH-AVENUE-3-ABCD

Tgt Ion:114 Resp: 244346
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 37.4
 88 17.1 0.0 29.6

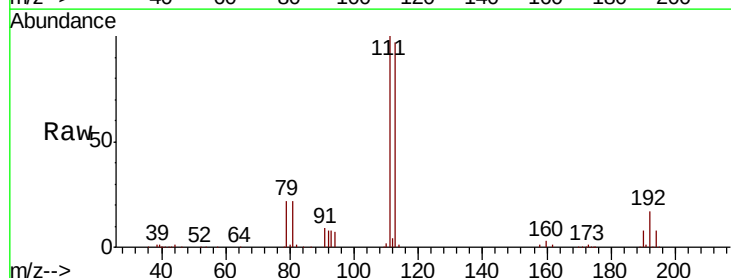


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

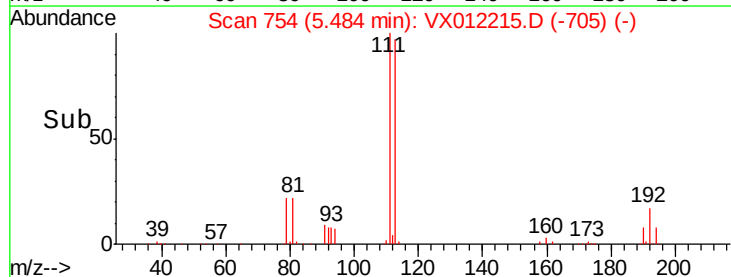
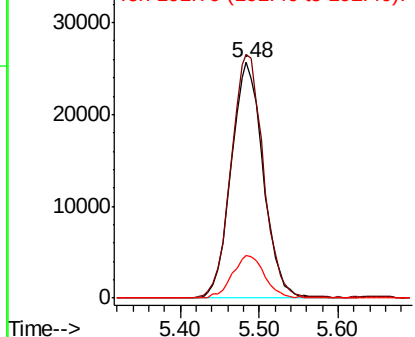


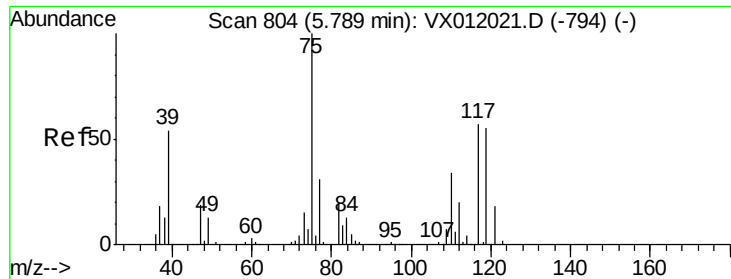
#35
 Dibromofluoromethane
 Concen: 48.195 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012215.D
 Acq: 08 Sep 2019 11:33

Tgt Ion:113 Resp: 72420
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.7 122.5
 192 18.2 22.5 33.7#



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

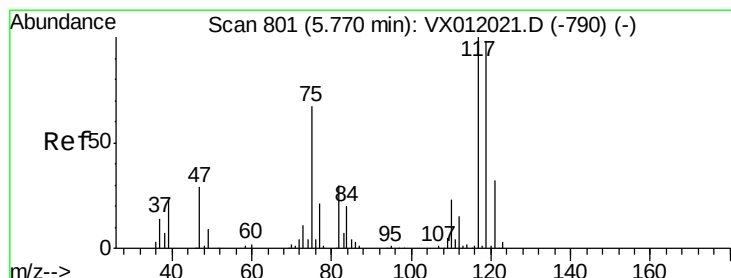
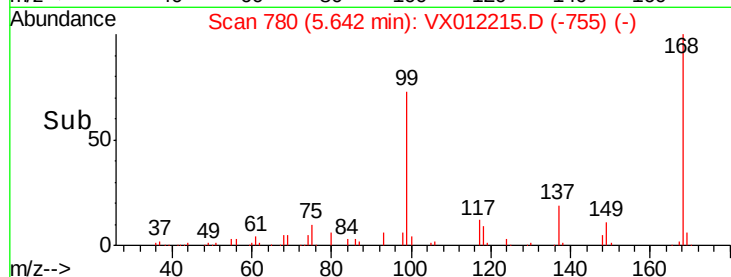
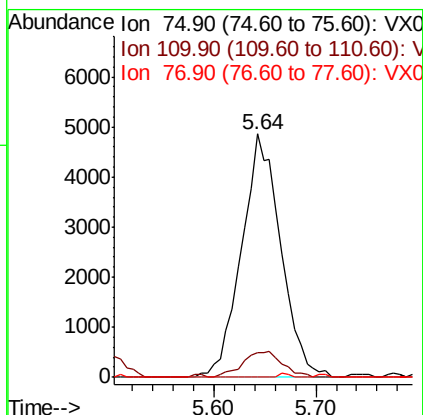
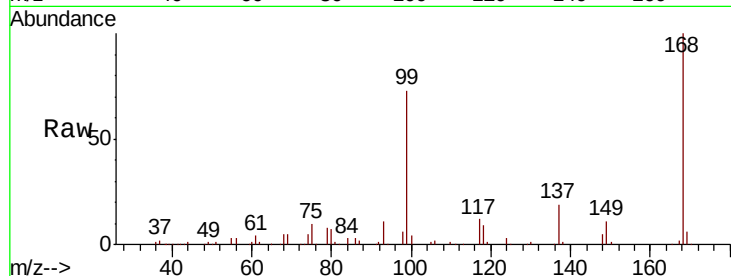




#36
 1,1-Dichloropropene
 Concen: 6.020 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012215.D
 Acq: 08 Sep 2019 11:33

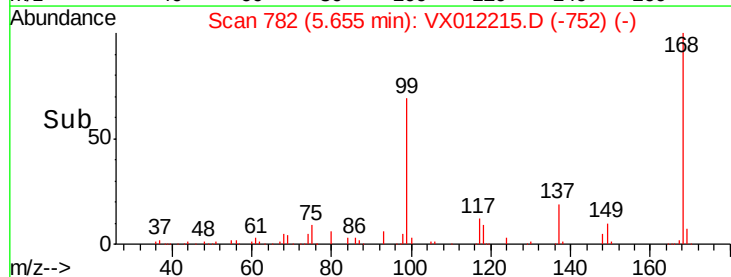
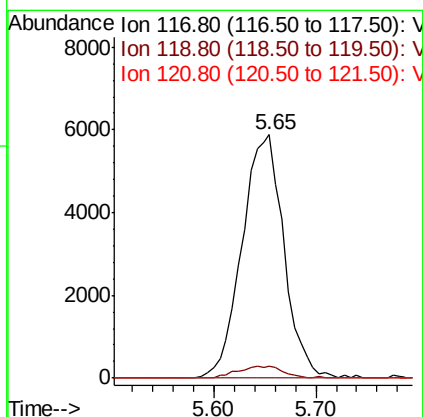
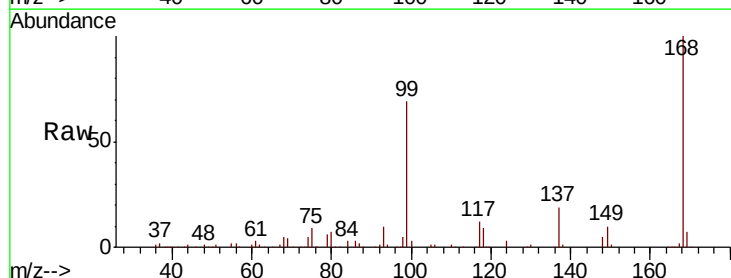
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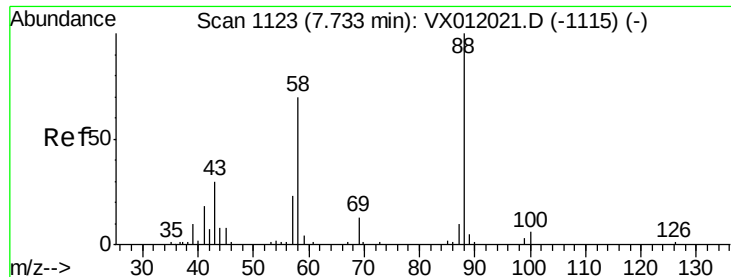
Tgt Ion: 75 Resp: 12956
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.381 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012215.D
 Acq: 08 Sep 2019 11:33

Tgt Ion: 117 Resp: 16737
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.3 117.5#
 121 0.0 24.2 36.2#

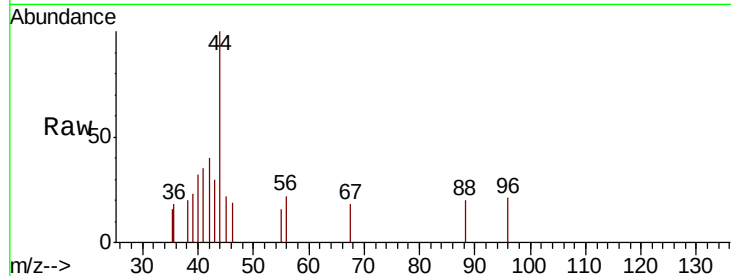




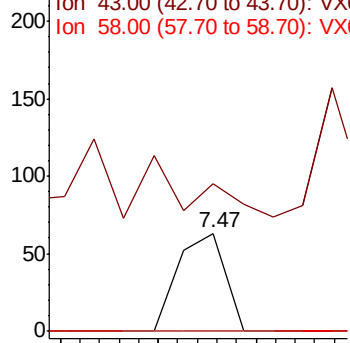
#49
1,4-Dioxane
Concen: 2.575 ug/l
RT: 7.47 min Scan# 1080
Delta R.T. -0.26 min
Lab File: VX012215.D
Acq: 08 Sep 2019 11:33

Instrument :
MSVOA_X
ClientSampleId :
SOUTH-AVENUE-3-ABCD

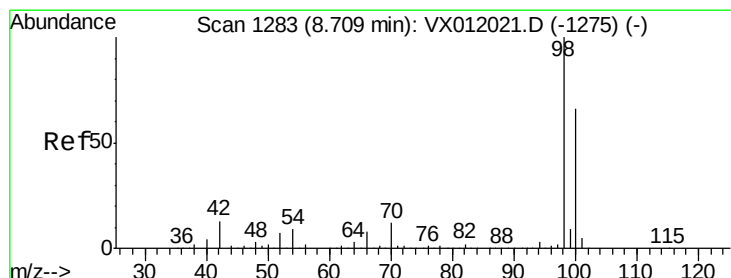
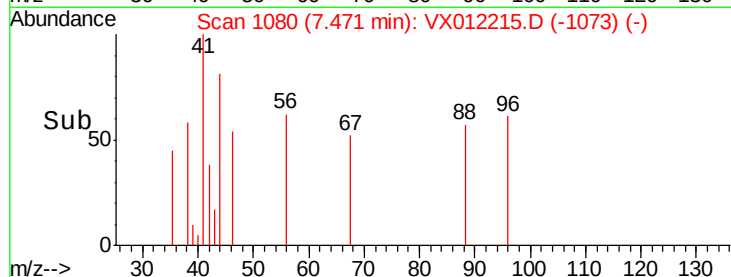
Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 0.0 55.4 83.2#



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

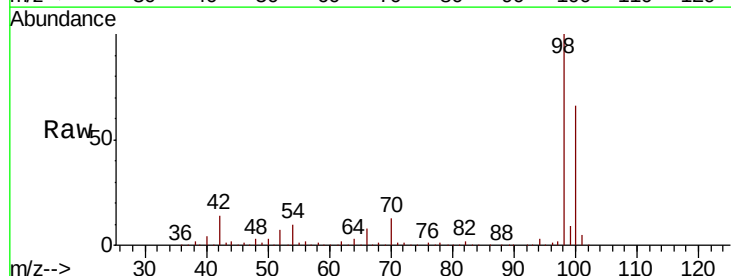


Time--> 7.44 7.46 7.48

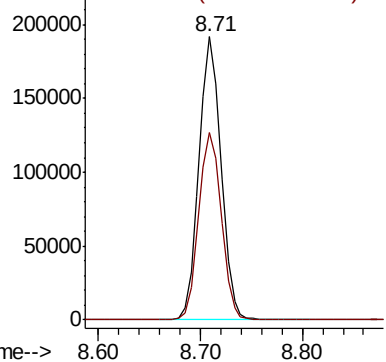


#50
Toluene-d8
Concen: 52.013 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012215.D
Acq: 08 Sep 2019 11:33

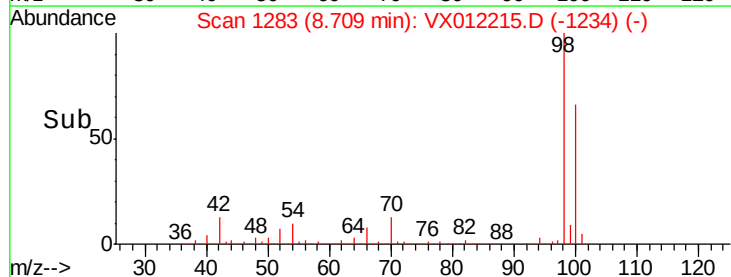
Tgt Ion: 98 Resp: 286802
Ion Ratio Lower Upper
98 100
100 67.9 53.3 79.9

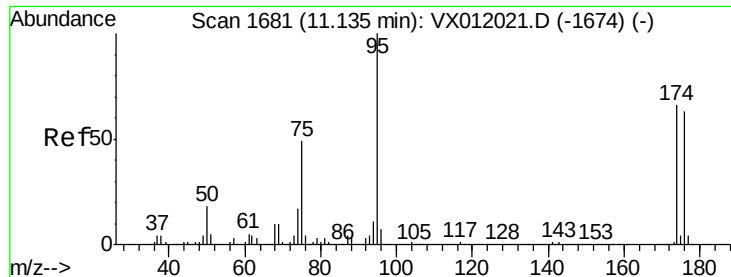


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 44.623 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012215.D

Acq: 08 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

SOUTH-AVENUE-3-ABCD

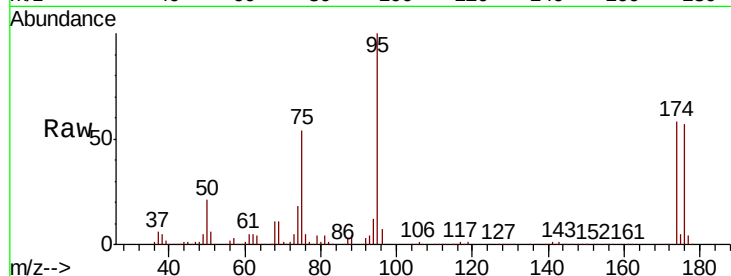
Tgt Ion: 95 Resp: 114430

Ion Ratio Lower Upper

95 100

174 64.1 0.0 205.4

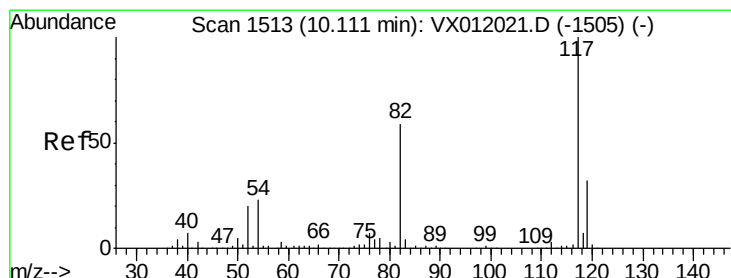
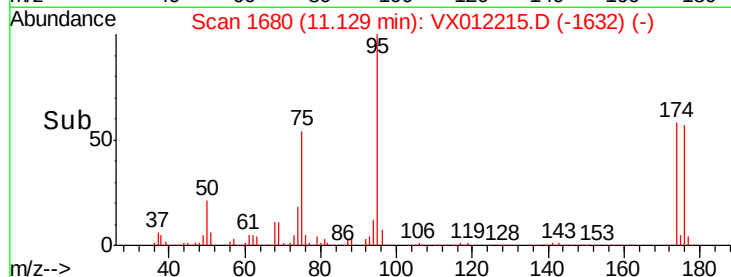
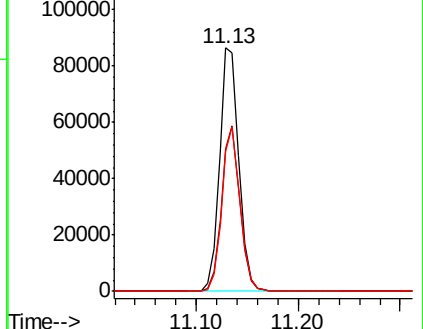
176 63.4 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012215.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012215.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012215.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012215.D

Acq: 08 Sep 2019 11:33

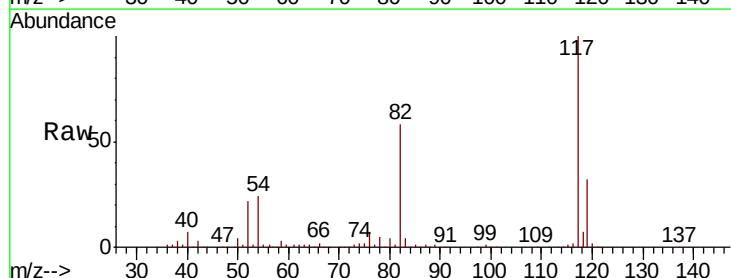
Tgt Ion: 117 Resp: 214160

Ion Ratio Lower Upper

117 100

82 57.6 39.4 59.0

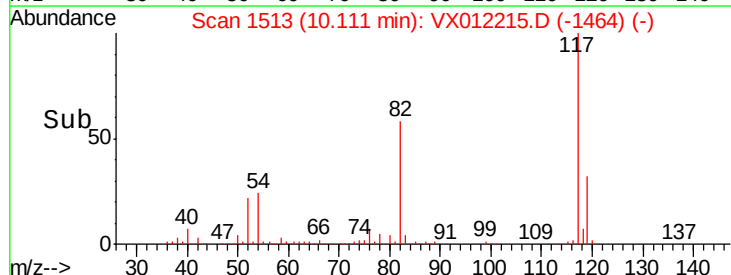
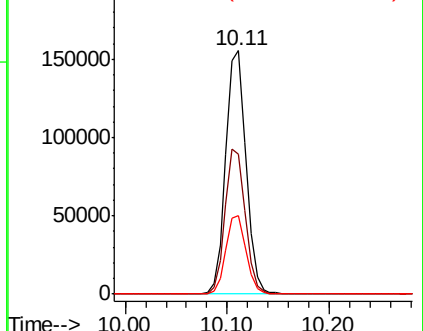
119 32.0 26.1 39.1

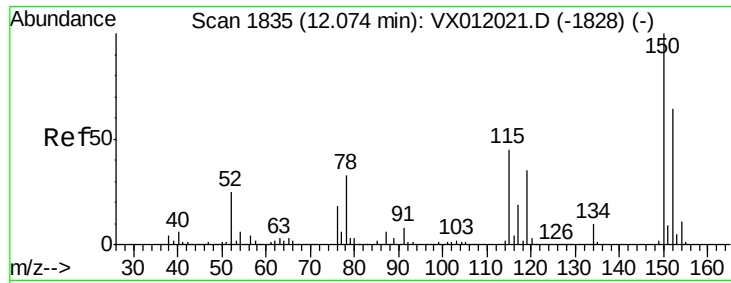


Abundance Ion 116.90 (116.60 to 117.60): VX012215.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012215.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012215.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012215.D

Acq: 08 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

SOUTH-AVENUE-3-ABCD

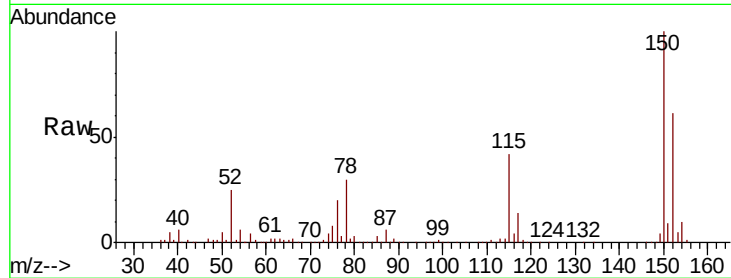
Tgt Ion:152 Resp: 93777

Ion Ratio Lower Upper

152 100

115 67.0 36.4 109.3

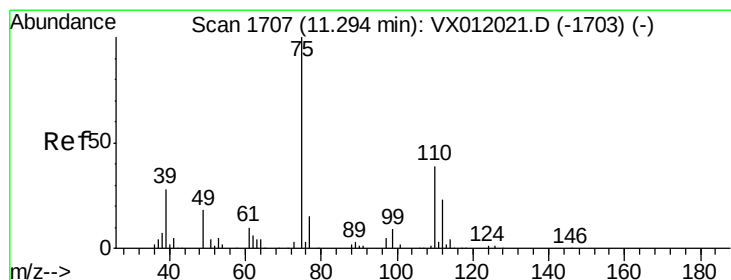
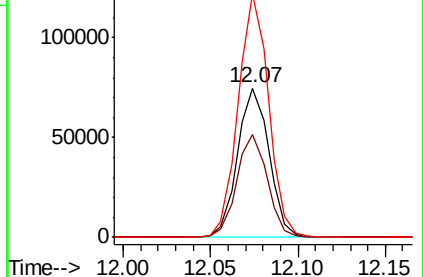
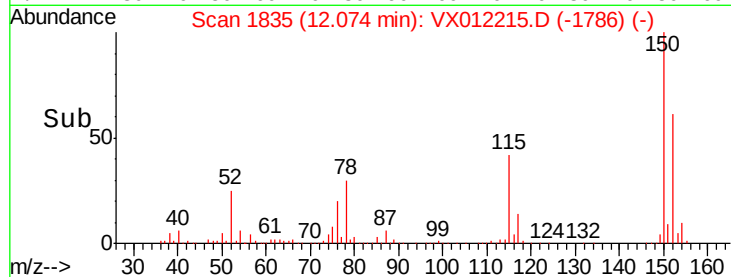
150 157.3 0.0 341.2



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: 52.917 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012215.D

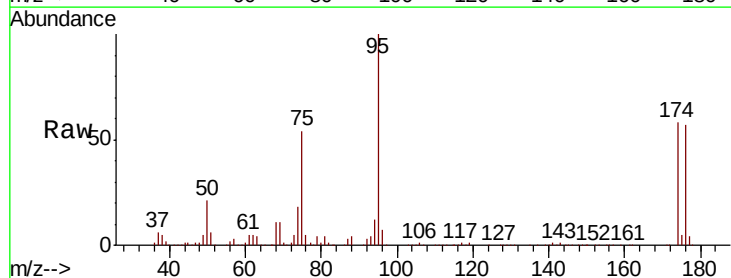
Acq: 08 Sep 2019 11:33

Tgt Ion: 75 Resp: 60633

Ion Ratio Lower Upper

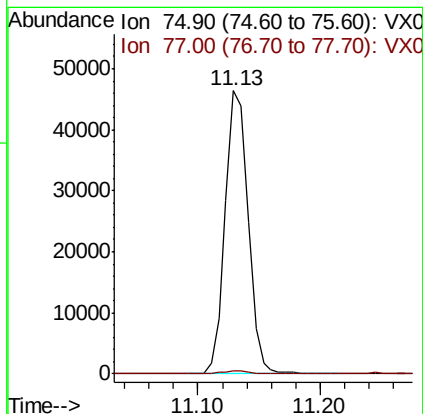
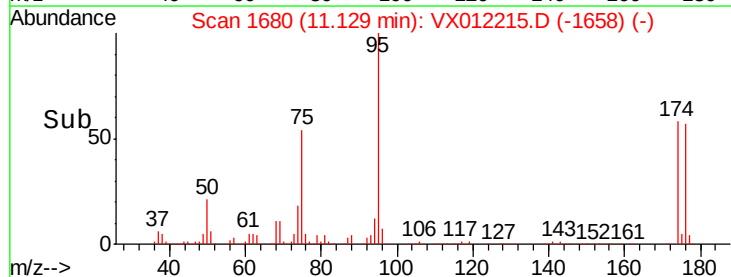
75 100

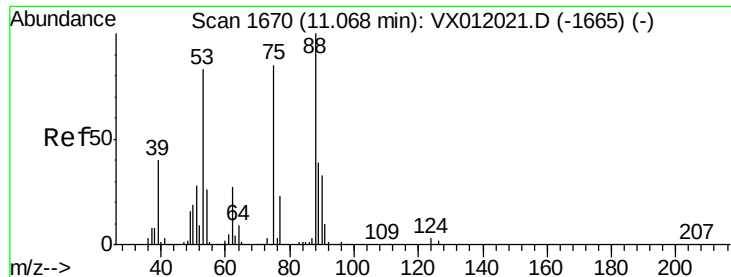
77 1.3 23.5 70.5#



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: 125.104 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012215.D
 Acq: 08 Sep 2019 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SOUTH-AVENUE-3-ABCD

Tgt Ion: 75 Resp: 60633
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.0 38.8 58.2#

