

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012166.D
 Acq On : 06 Sep 2019 23:36
 Operator : SY/SP
 Sample : K4570-01
 Misc : 5.33g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOUTH-AVENUE-1-ABCD

Quant Time: Sep 07 01:18:10 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	151953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	264283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	224991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	85109	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	104664	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	5.48	113	77900	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	8.71	98	311209	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.14	95	114422	41.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.50%	

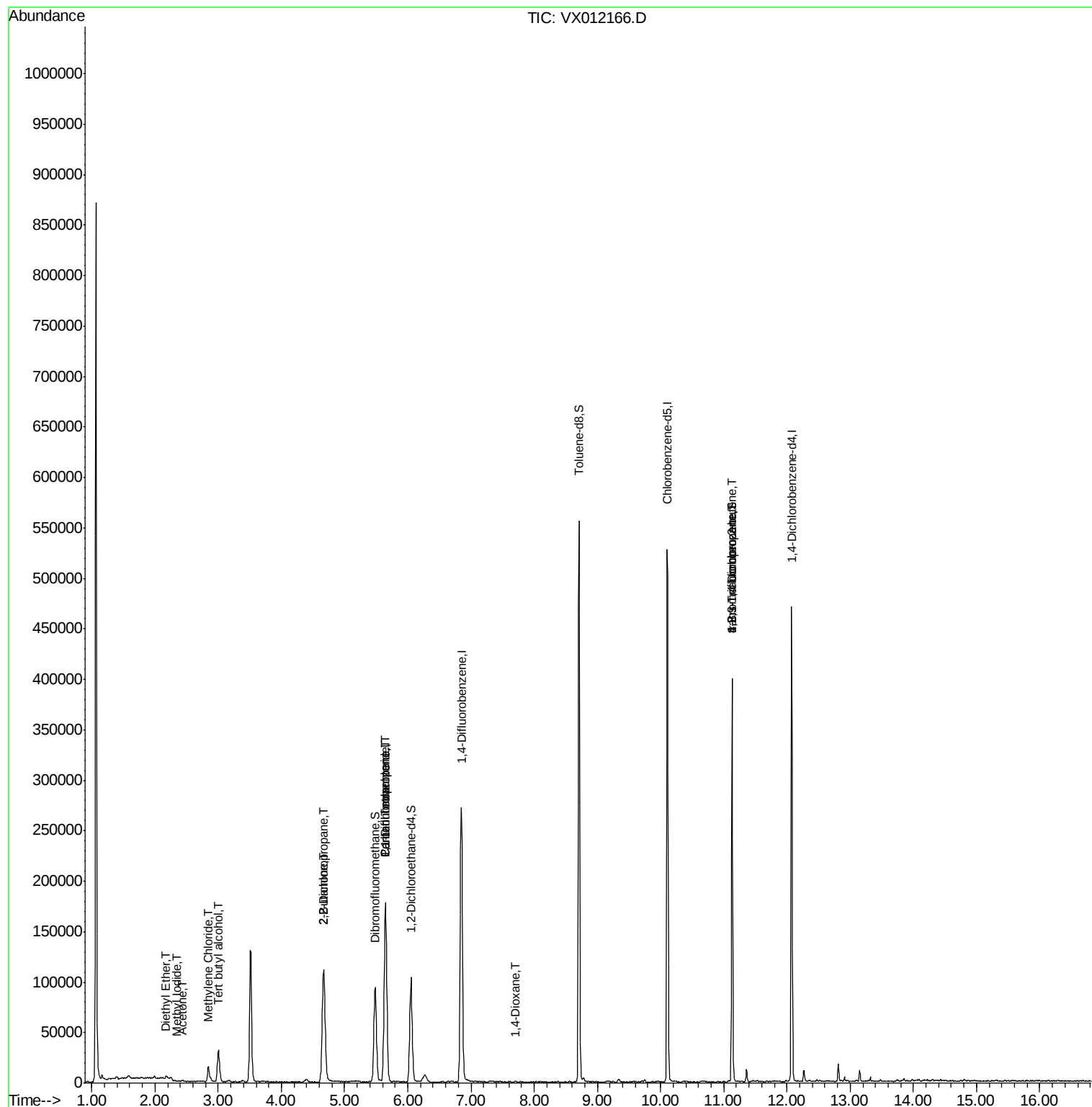
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	831	1.147	ug/l	86
10) Methyl Iodide	2.34	142	30	7.005	ug/l #	40
11) Tert butyl alcohol	3.00	59	20891	103.737	ug/l #	84
13) Acrolein	2.29	56	195	Below Cal		88
16) Acetone	2.43	43	2044	4.079	ug/l	96
20) Methylene Chloride	2.84	84	6803	3.381	ug/l	90
25) 2-Butanone	4.67	43	6983	10.947	ug/l #	70
26) 2,2-Dichloropropane	4.66	77	8385	2.838	ug/l #	54
36) 1,1-Dichloropropene	5.64	75	14172	6.088	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18050	7.359	ug/l #	15
49) 1,4-Dioxane	7.70	88	29	1.644	ug/l #	75
76) 1,2,3-Trichloropropane	11.14	75	60211	57.901	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	60211	136.886	ug/l #	10

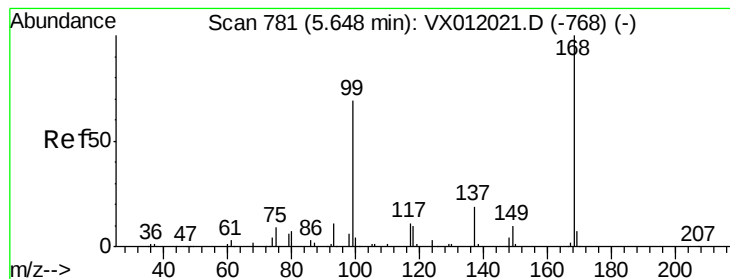
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

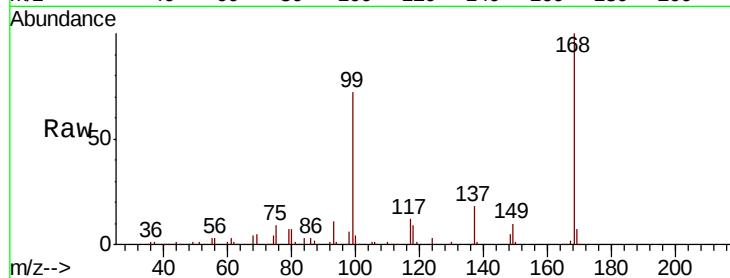
SOUTH-AVENUE-1-ABCD

Tgt Ion:168 Resp: 151953

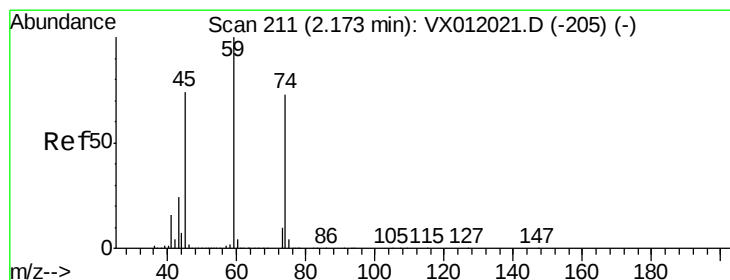
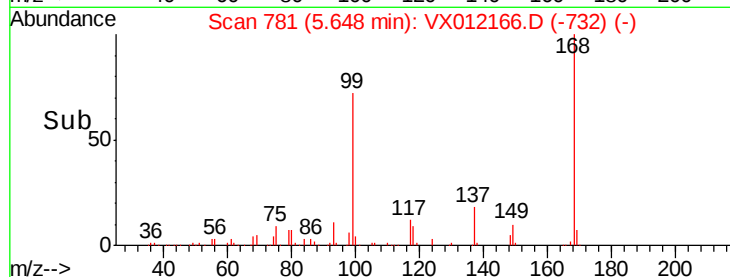
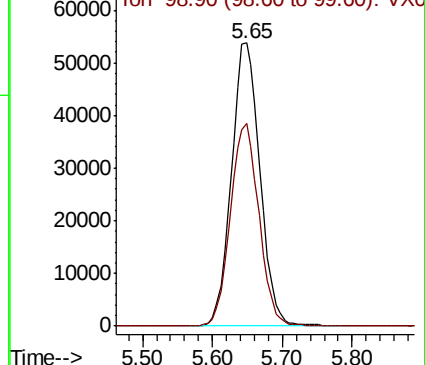
Ion Ratio Lower Upper

168 100

99 71.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012021.D (-768) (-)



#8

Diethyl Ether

Concen: 1.147 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012166.D

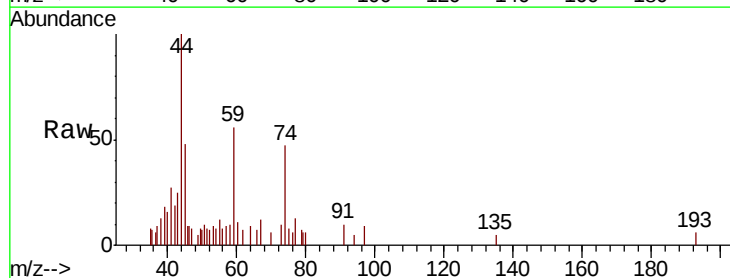
Acq: 06 Sep 2019 23:36

Tgt Ion: 74 Resp: 831

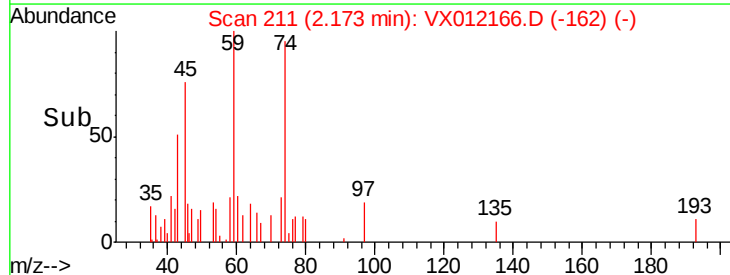
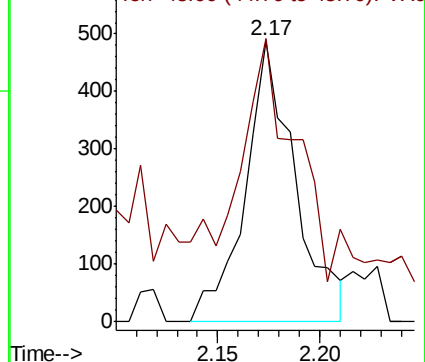
Ion Ratio Lower Upper

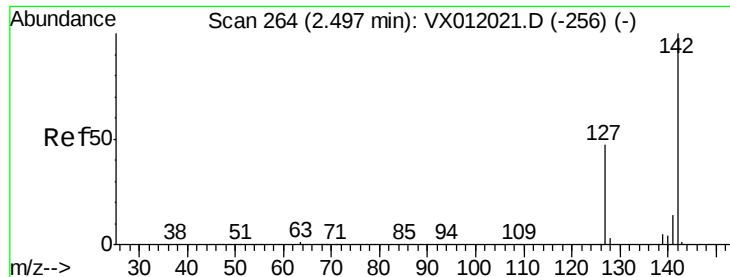
74 100

45 78.0 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX012021.D (-205) (-)

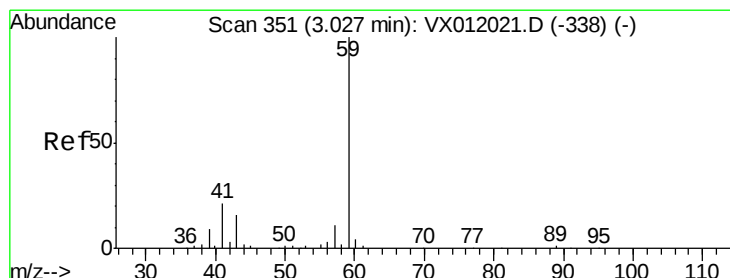
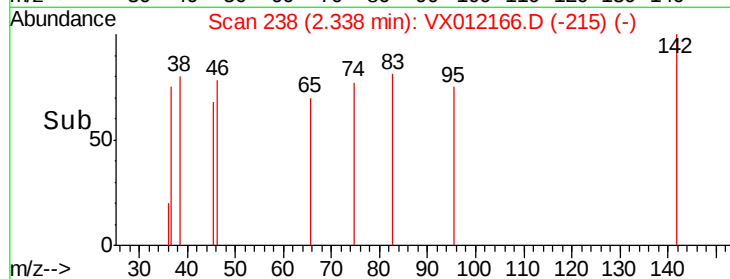
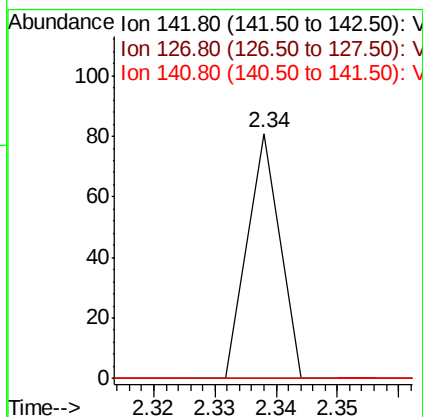
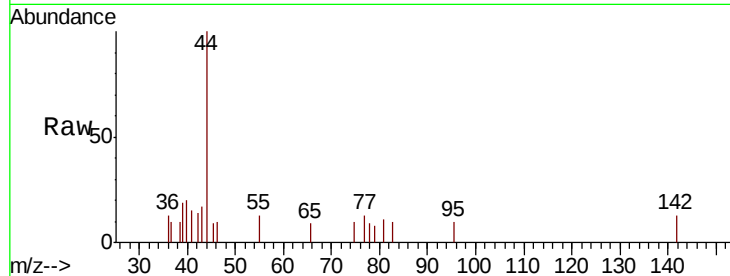




#10
Methyl Iodide
Concen: 7.005 ug/l
RT: 2.34 min Scan# 238
Delta R.T. -0.16 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

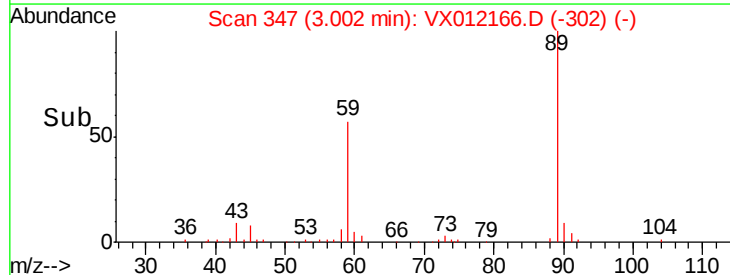
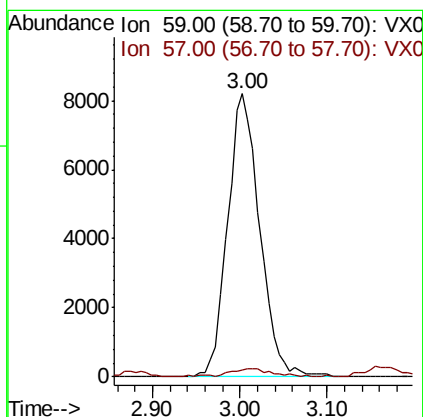
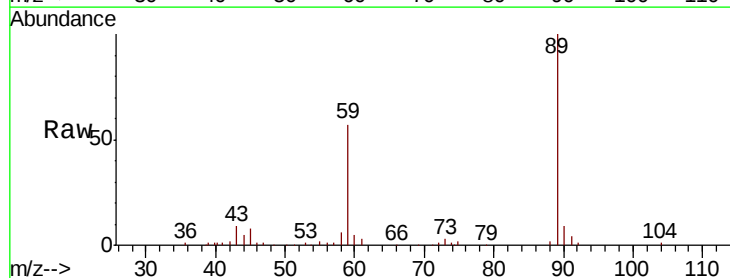
Instrument :
MSVOA_X
ClientSampleId :
SOUTH-AVENUE-1-ABCD

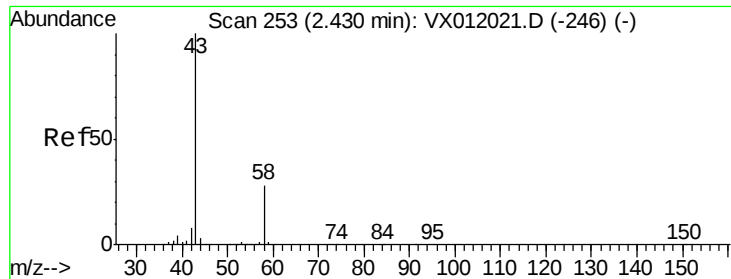
Tgt Ion:142 Resp: 30
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 103.737 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

Tgt Ion: 59 Resp: 20891
Ion Ratio Lower Upper
59 100
57 3.8 7.9 11.9#





#16

Acetone

Concen: 4.079 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

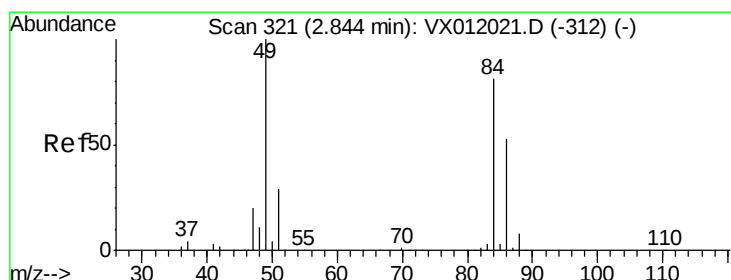
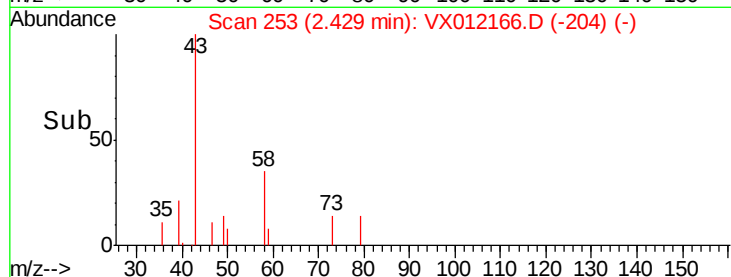
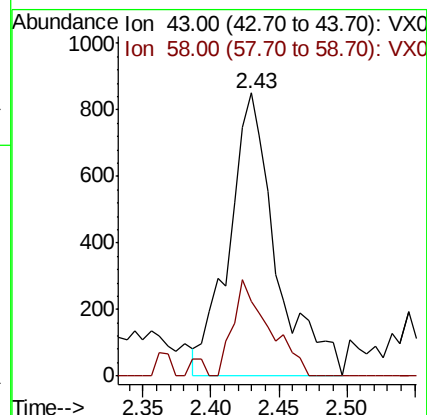
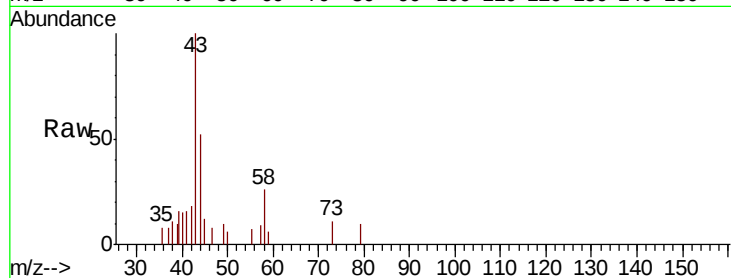
SOUTH-AVENUE-1-ABCD

Tgt Ion: 43 Resp: 2044

Ion Ratio Lower Upper

43 100

58 26.4 22.8 34.2



#20

Methylene Chloride

Concen: 3.381 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

Tgt Ion: 84 Resp: 6803

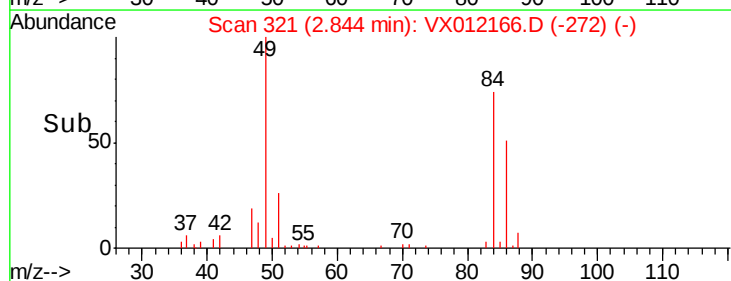
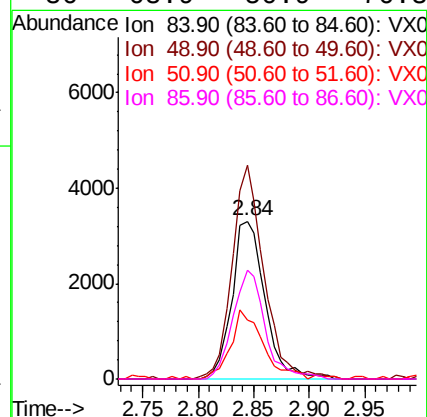
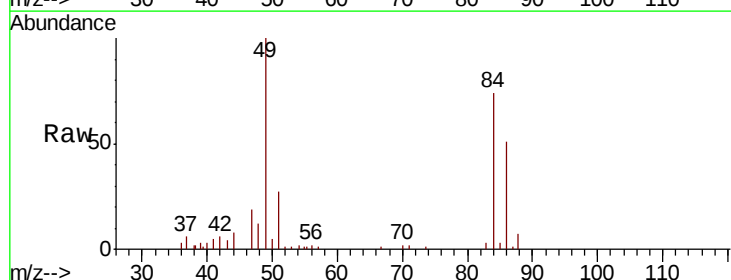
Ion Ratio Lower Upper

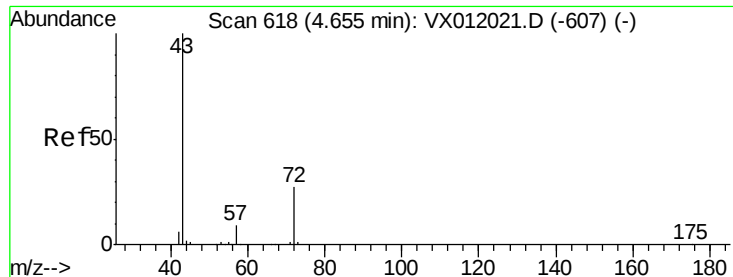
84 100

49 135.1 95.8 143.8

51 36.9 28.6 43.0

86 68.9 50.9 76.3





#25

2-Butanone

Concen: 10.947 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

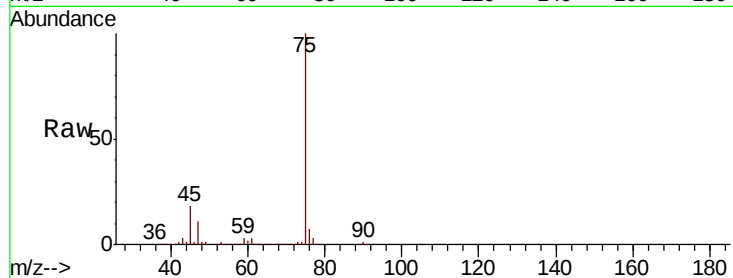
SOUTH-AVENUE-1-ABCD

Tgt Ion: 43 Resp: 6983

Ion Ratio Lower Upper

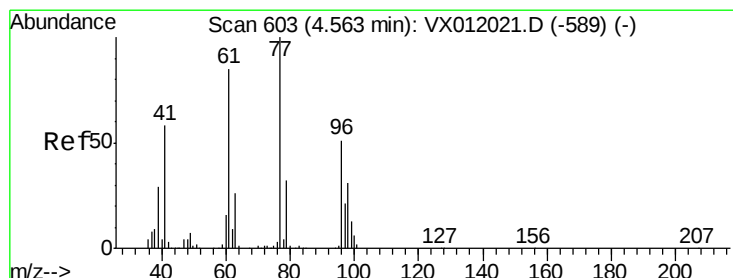
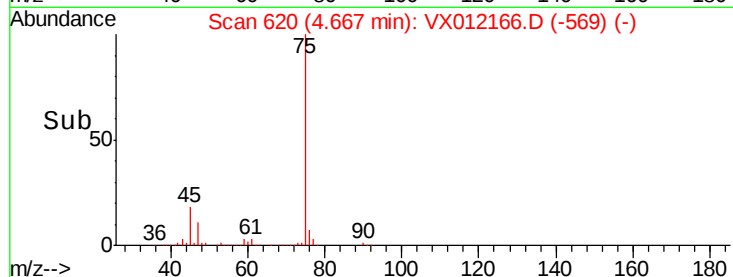
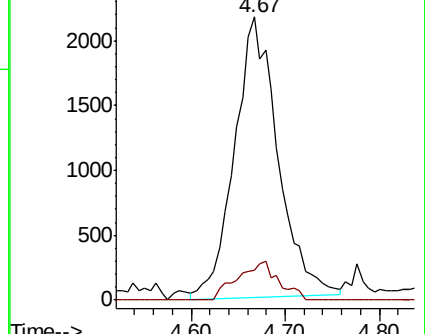
43 100

72 11.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.838 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.09 min

Lab File: VX012166.D

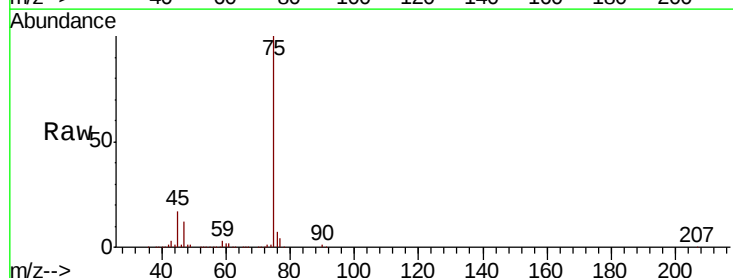
Acq: 06 Sep 2019 23:36

Tgt Ion: 77 Resp: 8385

Ion Ratio Lower Upper

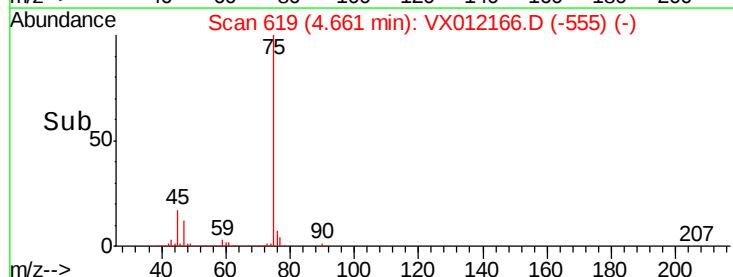
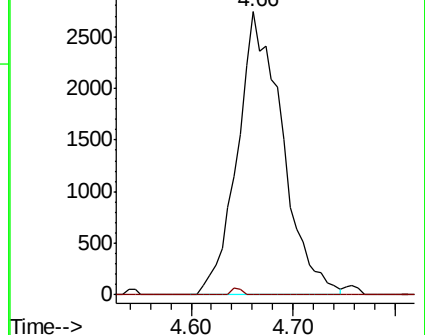
77 100

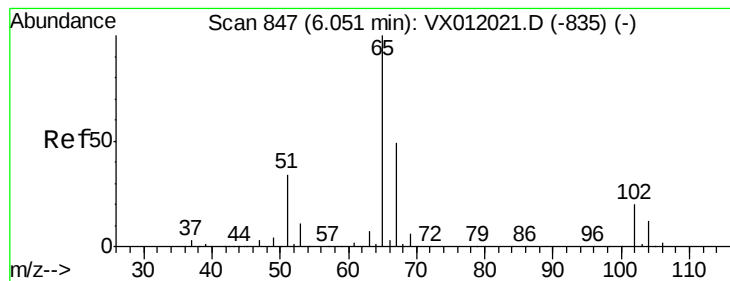
97 0.5 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.920 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

Instrument :

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ClientSampleId :

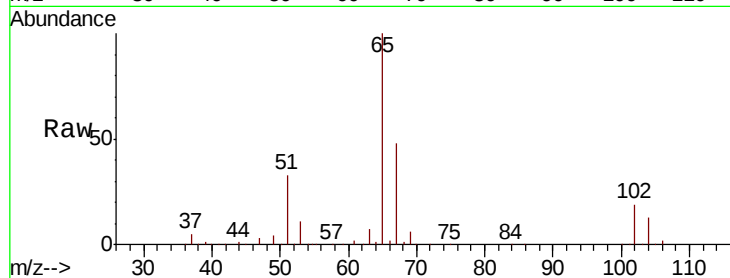
SOUTH-AVENUE-1-ABCD

Tgt Ion: 65 Resp: 104664

Ion Ratio Lower Upper

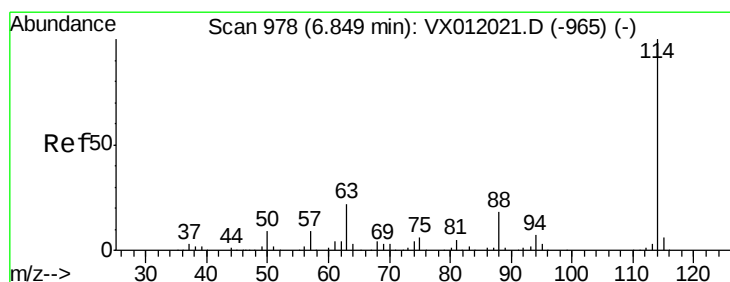
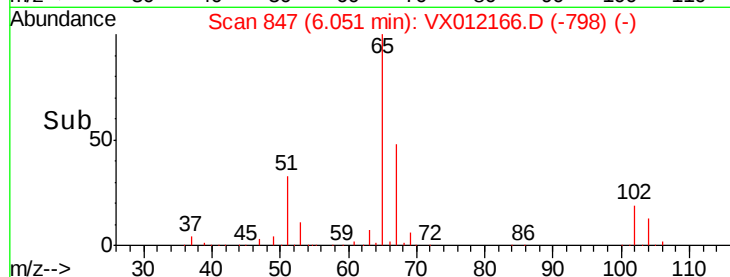
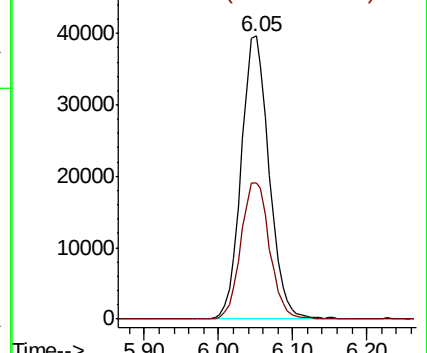
65 100

67 49.6 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

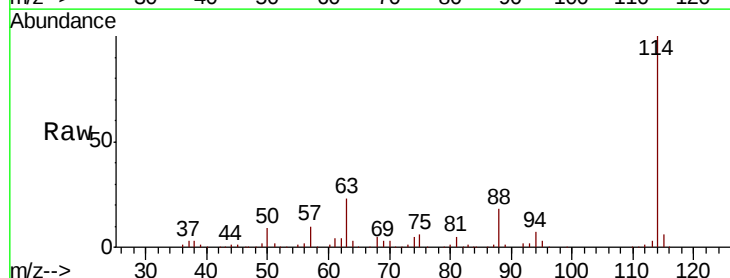
Tgt Ion: 114 Resp: 264283

Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.4

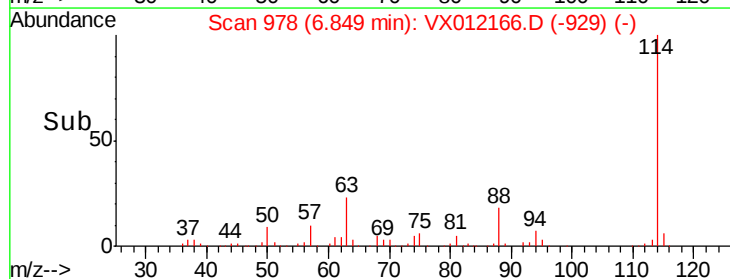
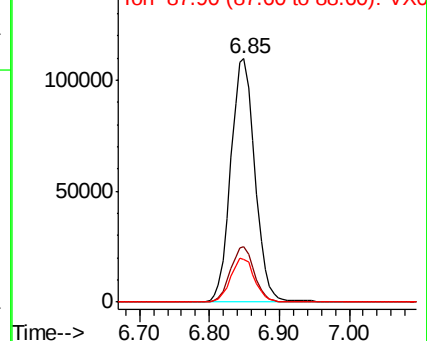
88 17.8 0.0 29.6

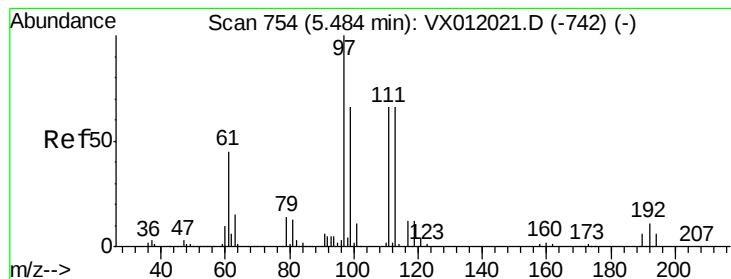


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.931 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

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SOUTH-AVENUE-1-ABCD

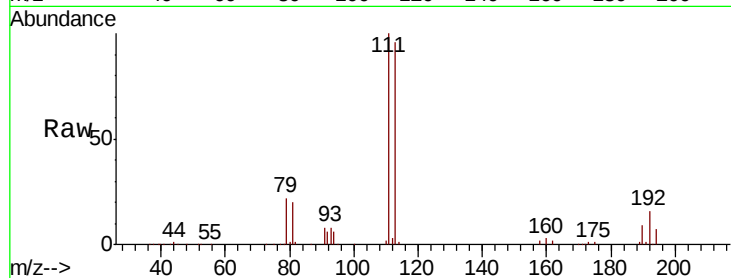
Tgt Ion:113 Resp: 77900

Ion Ratio Lower Upper

113 100

111 104.7 81.7 122.5

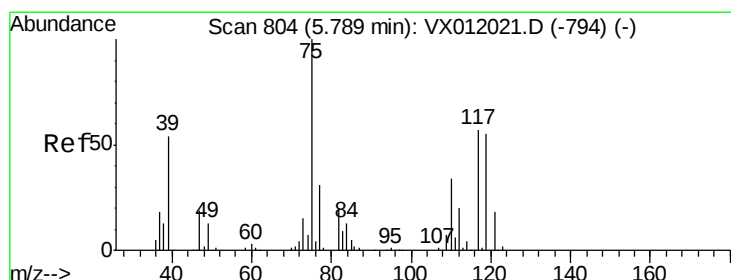
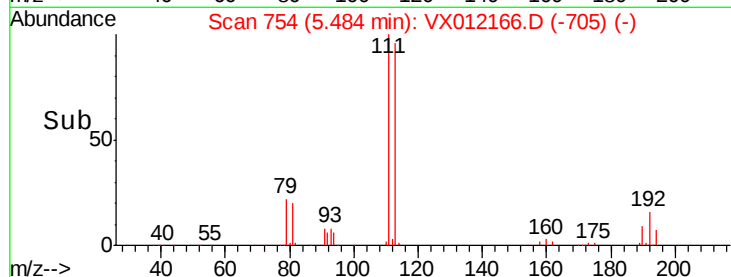
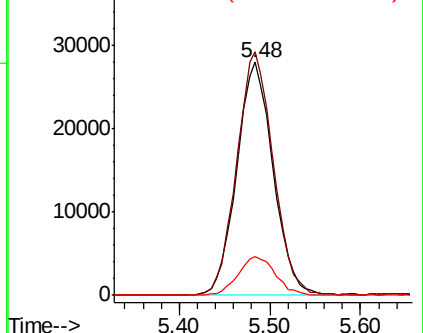
192 17.0 22.5 33.7#



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: 6.088 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

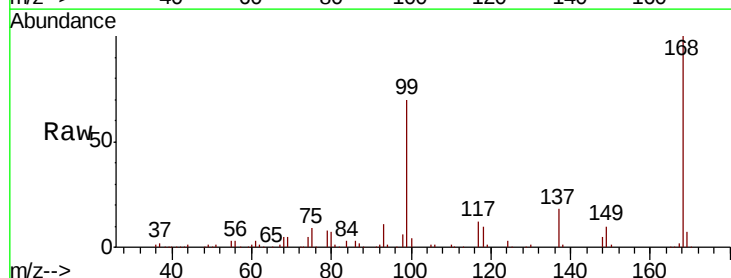
Tgt Ion: 75 Resp: 14172

Ion Ratio Lower Upper

75 100

110 10.9 19.5 58.5#

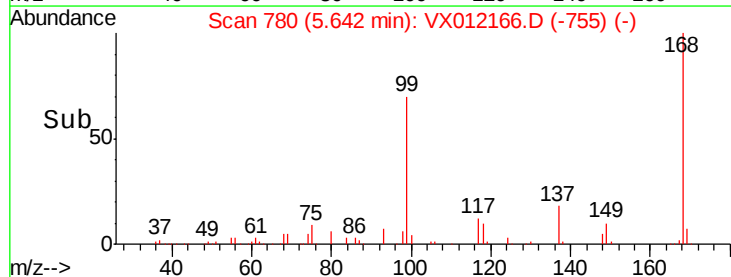
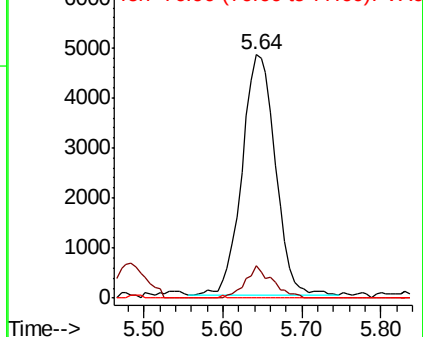
77 0.0 24.6 37.0#

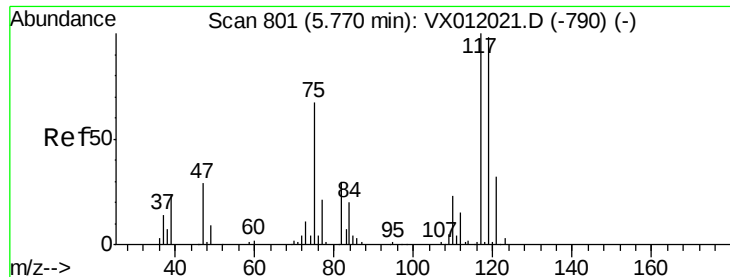


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

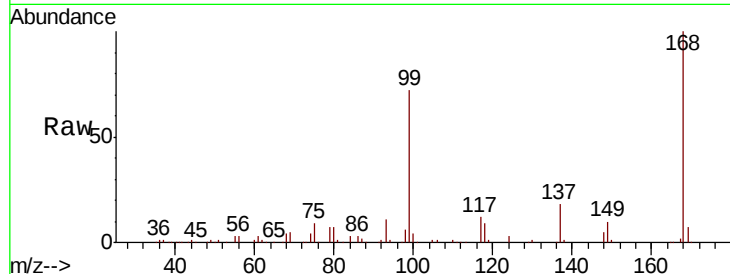




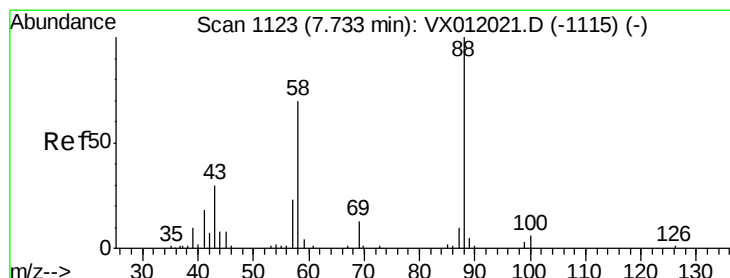
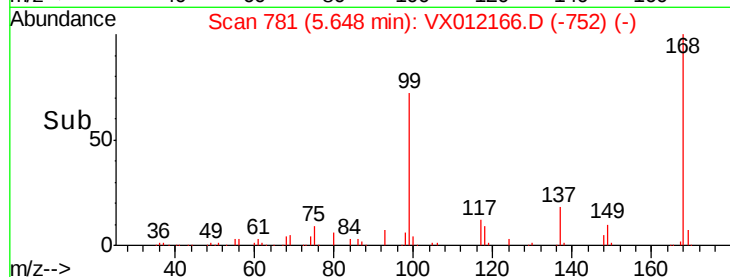
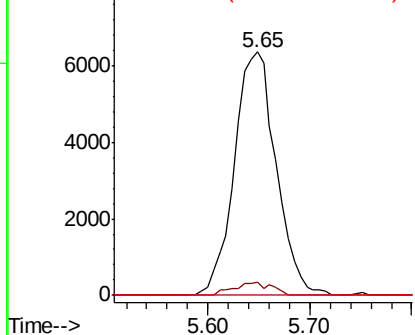
#38
Carbon Tetrachloride
Concen: 7.359 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

Instrument :
MSVOA_X
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SOUTH-AVENUE-1-ABCD

Tgt Ion:117 Resp: 18050
Ion Ratio Lower Upper
117 100
119 5.3 78.3 117.5#
121 0.0 24.2 36.2#

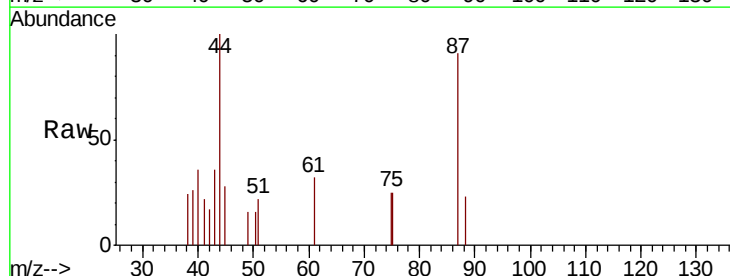


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

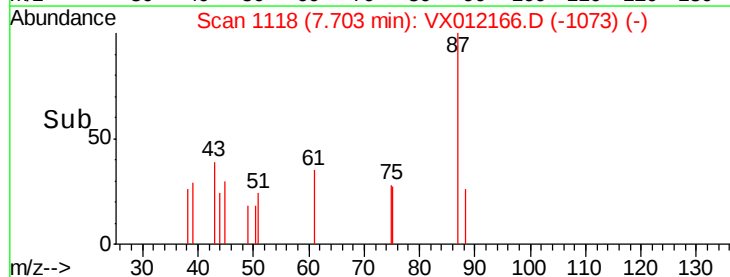
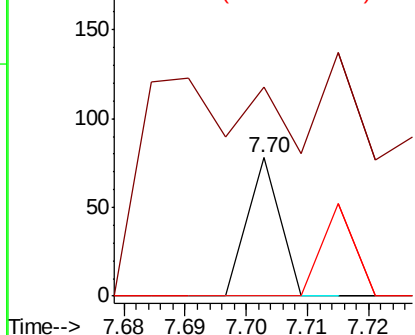


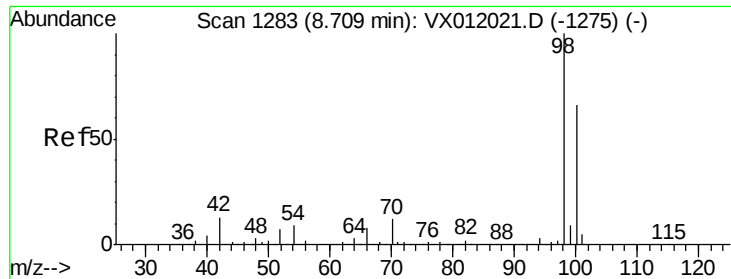
#49
1,4-Dioxane
Concen: 1.644 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.02 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 65.5 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

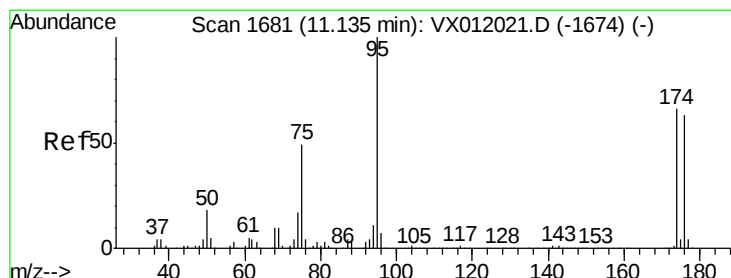
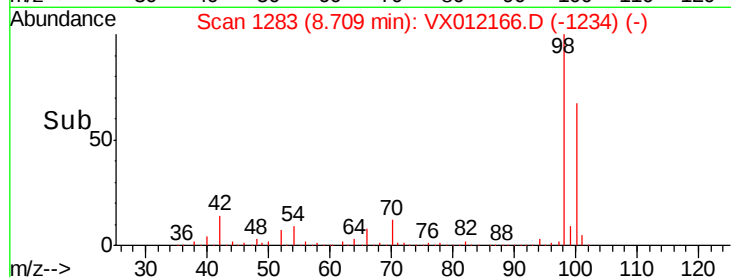
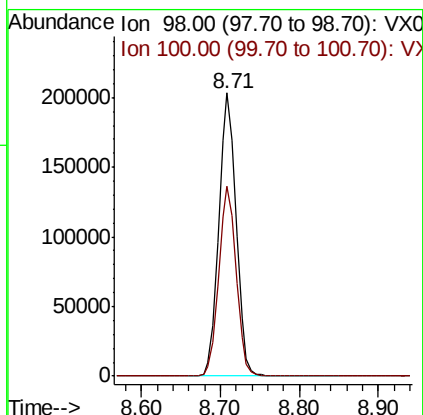
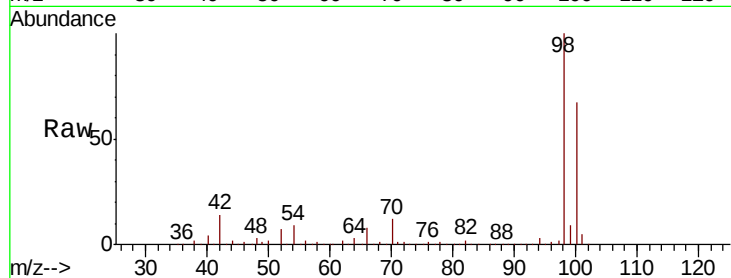




#50
Toluene-d8
Concen: 52.181 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

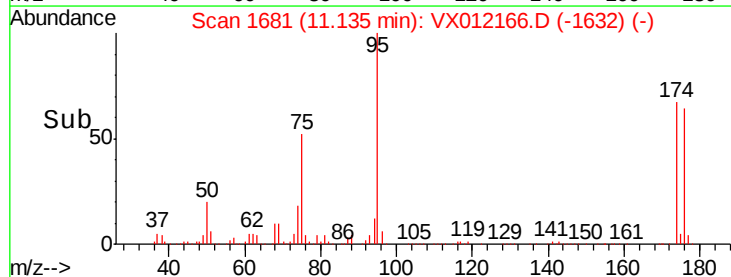
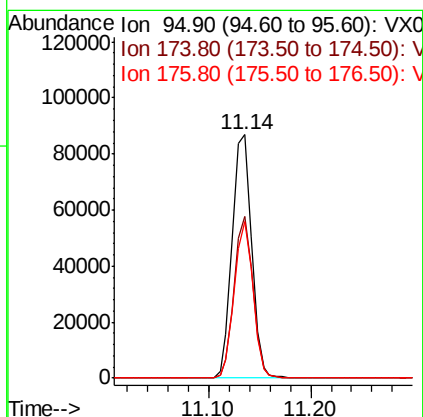
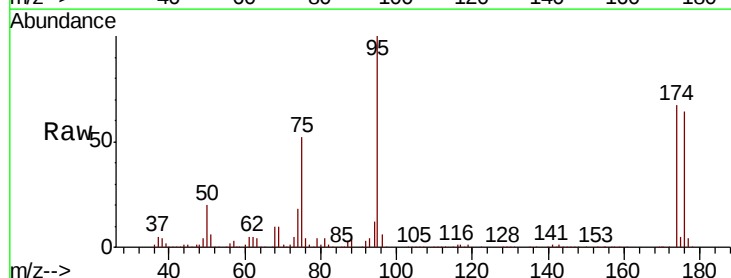
Instrument :
MSVOA_X
ClientSampleId :
SOUTH-AVENUE-1-ABCD

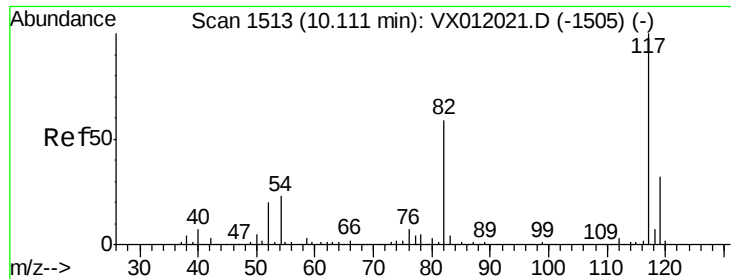
Tgt Ion: 98 Resp: 311209
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 41.254 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

Tgt Ion: 95 Resp: 114422
Ion Ratio Lower Upper
95 100
174 64.2 0.0 205.4
176 61.6 0.0 201.8

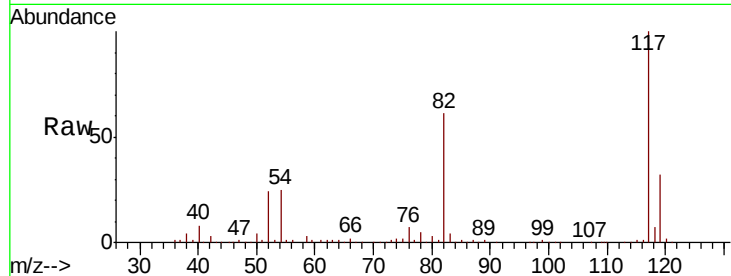




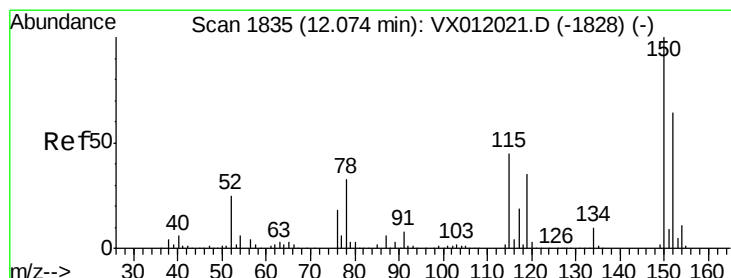
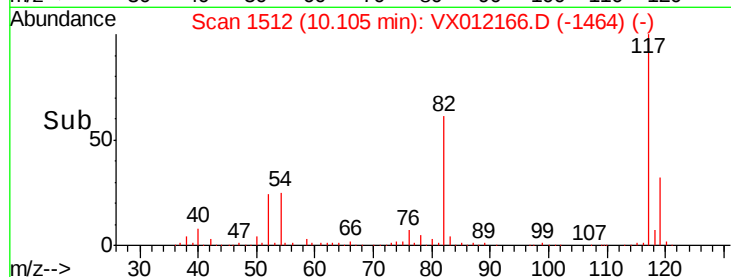
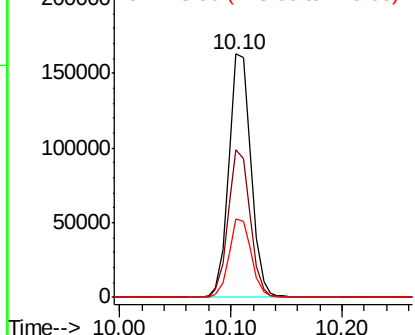
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :
SOUTH-AVENUE-1-ABCD

Tgt Ion:117 Resp: 224991
Ion Ratio Lower Upper
117 100
82 60.7 39.4 59.0#
119 32.2 26.1 39.1

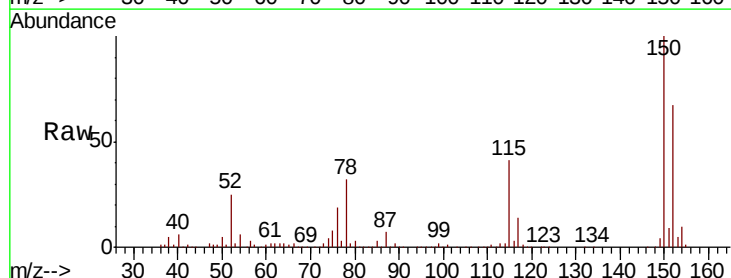


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

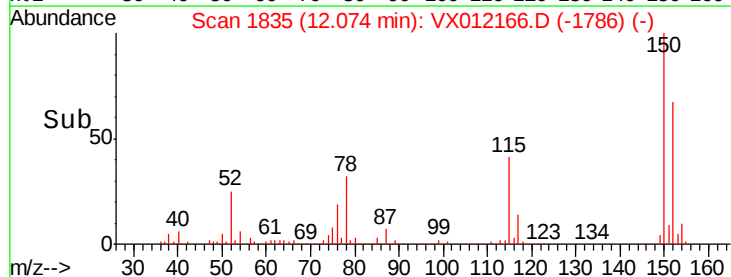
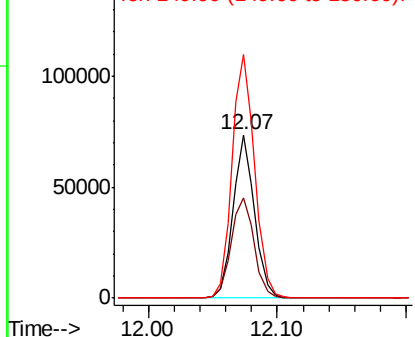


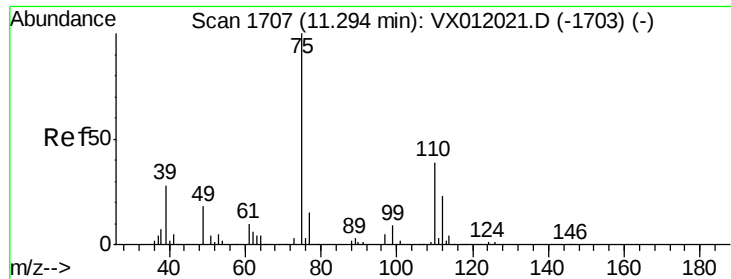
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012166.D
Acq: 06 Sep 2019 23:36

Tgt Ion:152 Resp: 85109
Ion Ratio Lower Upper
152 100
115 66.0 36.4 109.3
150 157.4 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: 57.901 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

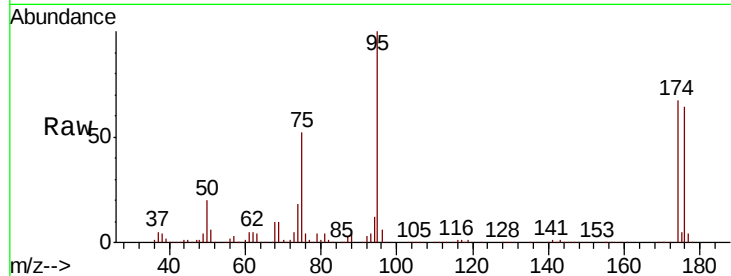
SOUTH-AVENUE-1-ABCD

Tgt Ion: 75 Resp: 60211

Ion Ratio Lower Upper

75 100

77 1.2 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

50000

40000

30000

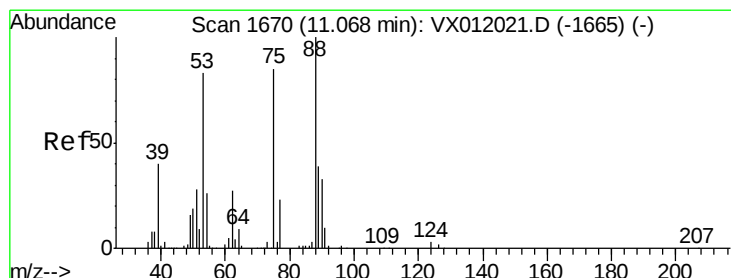
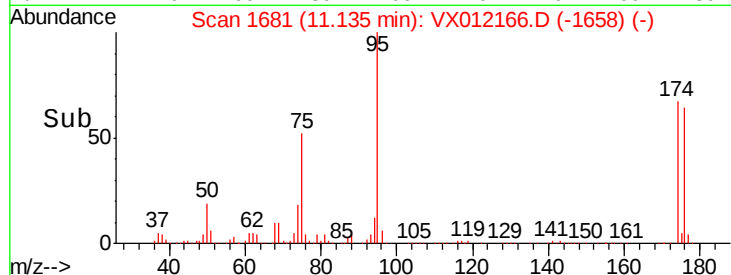
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 136.886 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012166.D

Acq: 06 Sep 2019 23:36

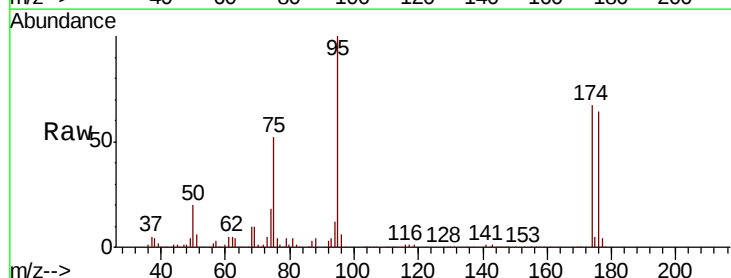
Tgt Ion: 75 Resp: 60211

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#



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

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

