

Data File : VX012198.D
Acq On : 08 Sep 2019 03:28
Operator : SY/SP
Sample : K4570-03
Misc : 5.05g/5.0mL/MSVOA_X/SOIL
ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Sep 08 07:50:16 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	151966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	261016	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103030	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	5.48	113	77162	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	8.71	98	308923	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.14	95	122006	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	

Target Compounds

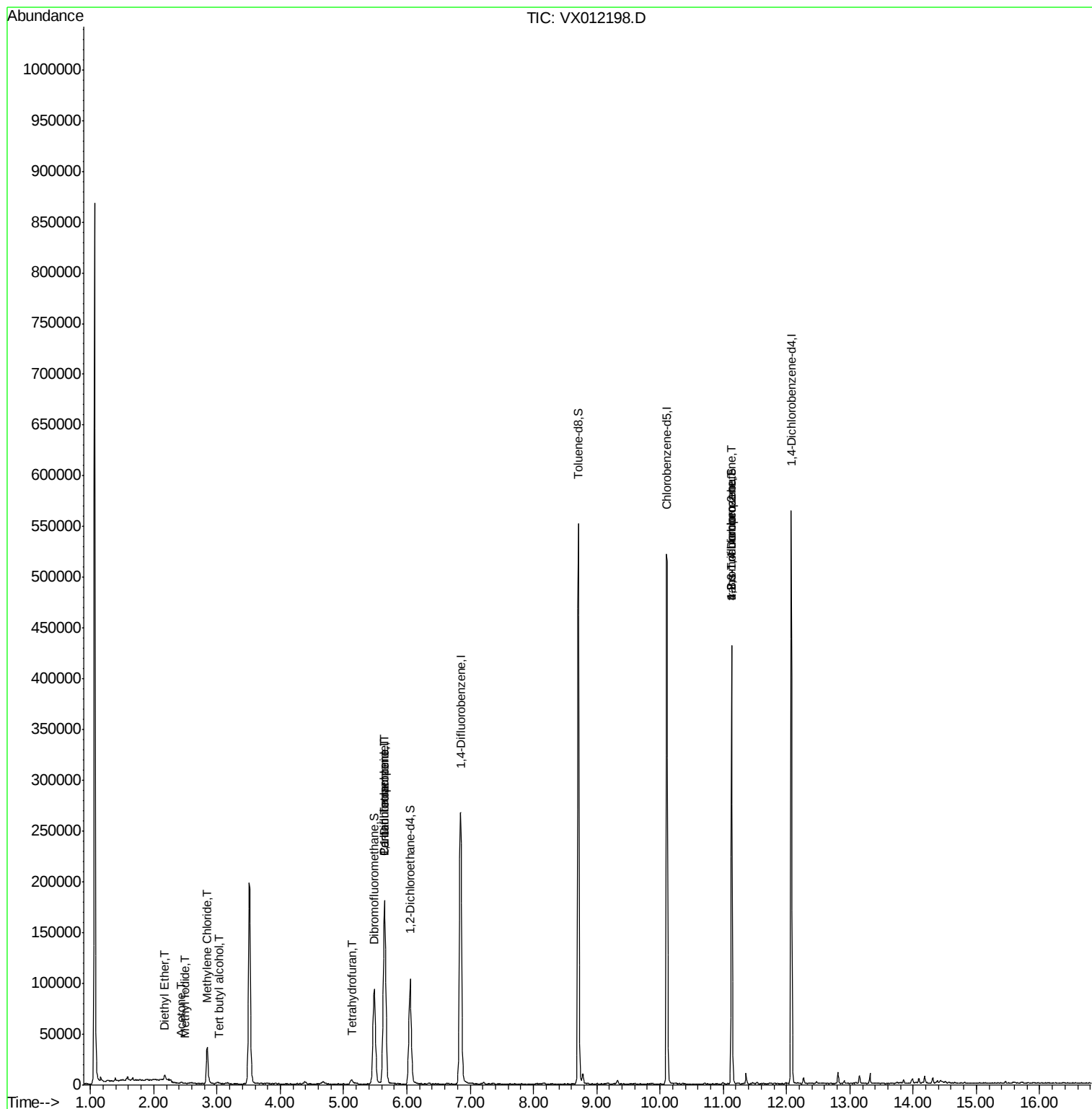
						Qvalue
8) Diethyl Ether	2.17	74	1583	2.184	ug/l	82
10) Methyl Iodide	2.50	142	99	7.042	ug/l #	63
11) Tert butyl alcohol	3.03	59	1624	8.064	ug/l #	92
13) Acrolein	2.26	56	106	Below Cal	#	12
16) Acetone	2.43	43	1439	2.871	ug/l	99
20) Methylene Chloride	2.84	84	16879	8.387	ug/l	92
29) Tetrahydrofuran	5.13	42	3849	10.014	ug/l	98
36) 1,1-Dichloropropene	5.64	75	13901	6.047	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18072	7.460	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	64572	52.124	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	64572	123.229	ug/l #	10

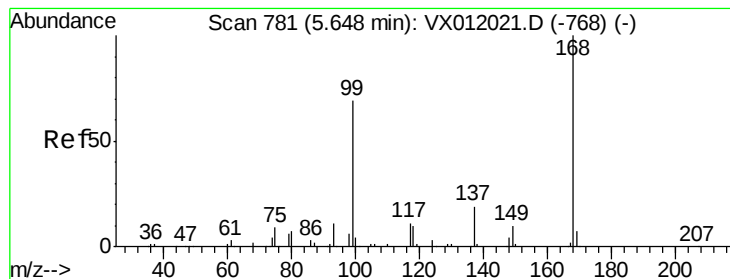
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX012198.D
Acq On : 08 Sep 2019 03:28
Operator : SY/SP
Sample : K4570-03
Misc : 5.05g/5.0mL/MSVOA_X/SOIL
ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Sep 08 07:50:16 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012198.D

Acq: 08 Sep 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

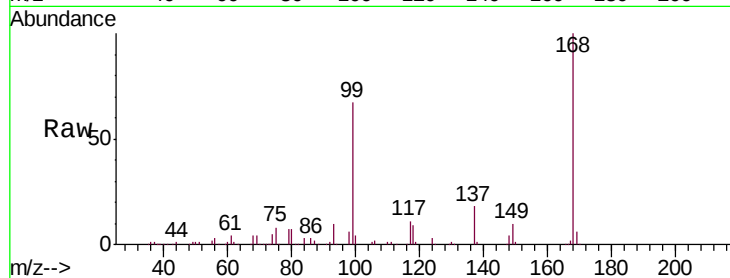
SOUTH-AVENUE-3-ABCD

Tgt Ion:168 Resp: 151966

Ion Ratio Lower Upper

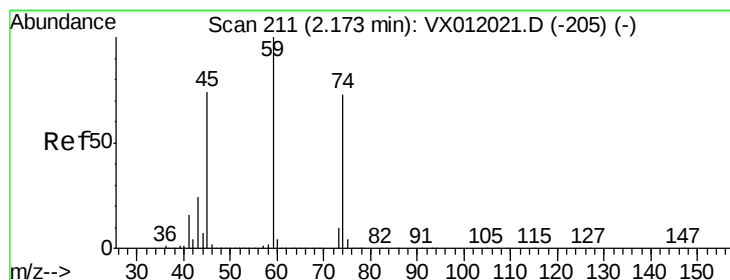
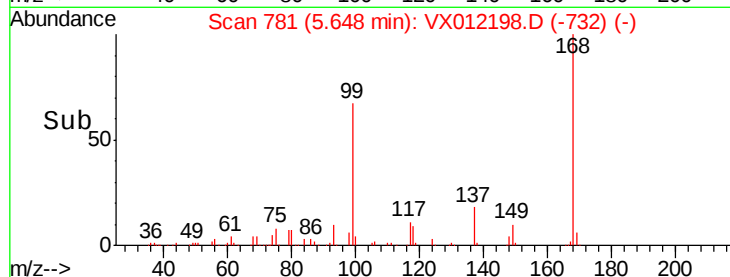
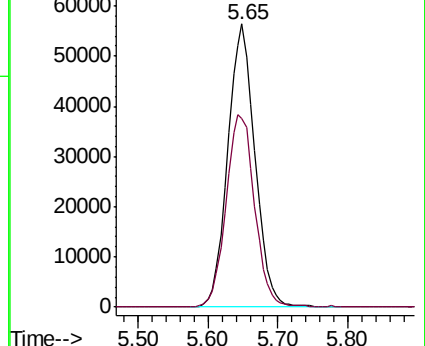
168 100

99 66.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 2.184 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012198.D

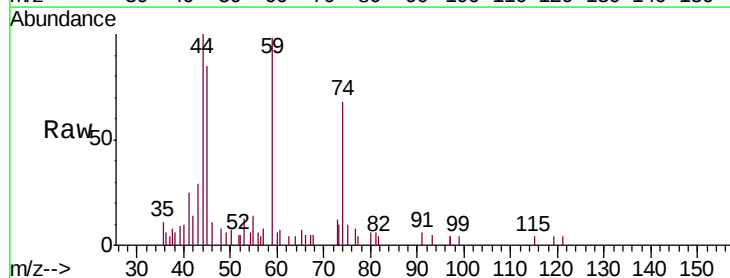
Acq: 08 Sep 2019 03:28

Tgt Ion: 74 Resp: 1583

Ion Ratio Lower Upper

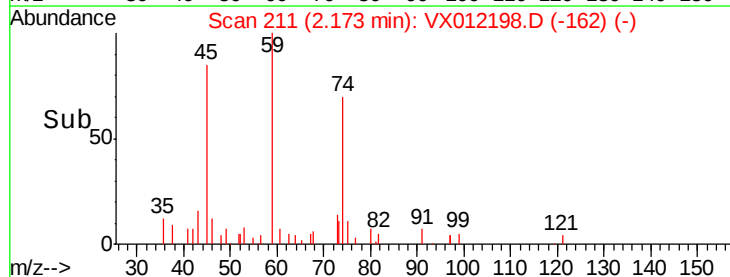
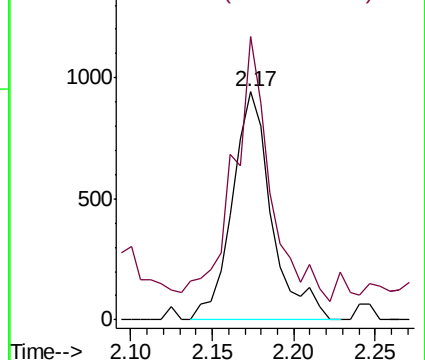
74 100

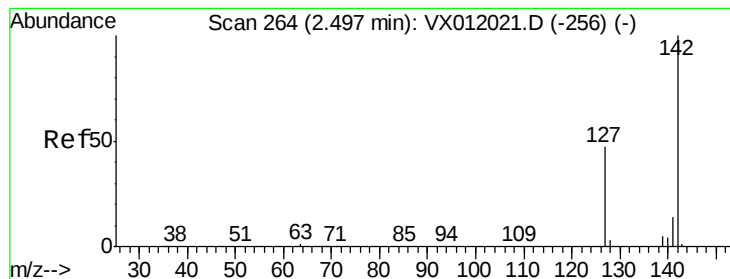
45 109.2 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

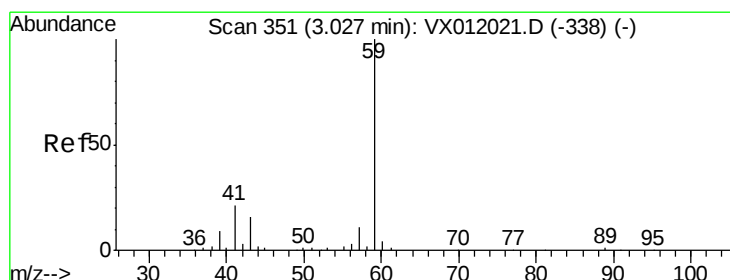
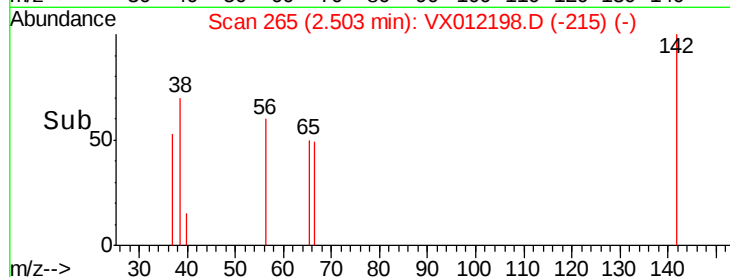
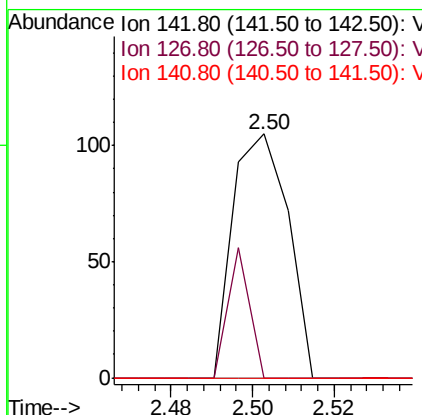
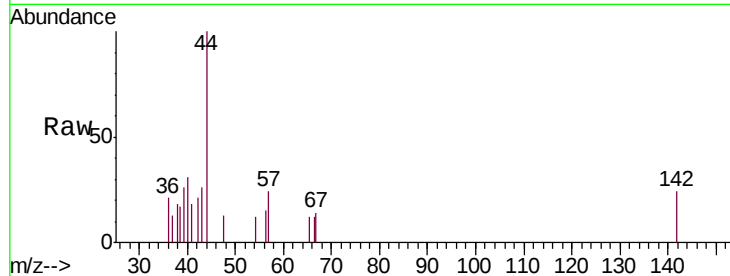




#10
Methyl Iodide
Concen: 7.042 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

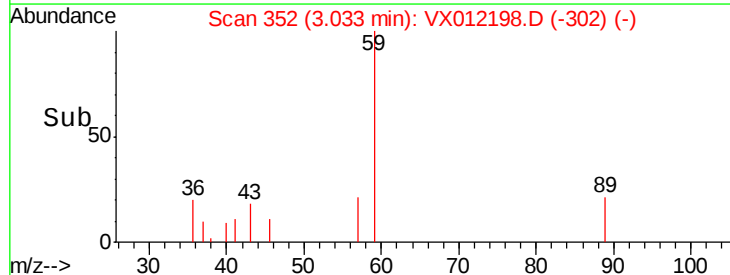
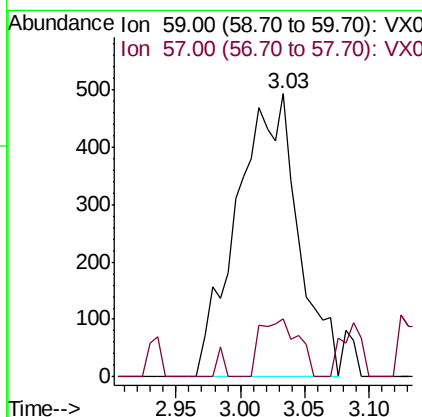
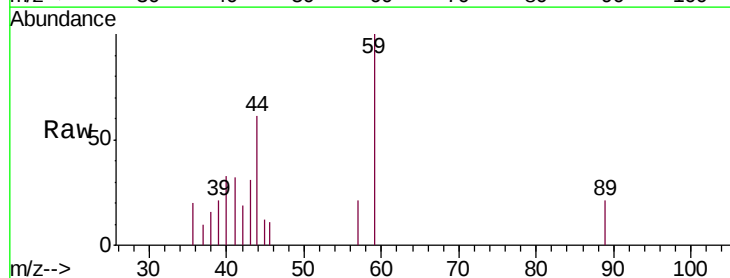
Instrument :
MSVOA_X
ClientSampleId :
SOUTH-AVENUE-3-ABCD

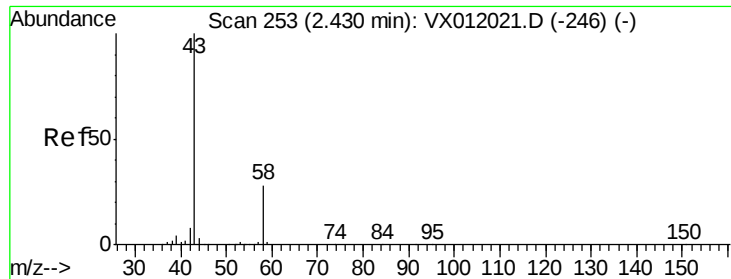
Tgt Ion: 142 Resp: 99
Ion Ratio Lower Upper
142 100
127 20.2 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 8.064 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

Tgt Ion: 59 Resp: 1624
Ion Ratio Lower Upper
59 100
57 12.7 7.9 11.9#





#16

Acetone

Concen: 2.871 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012198.D

Acq: 08 Sep 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

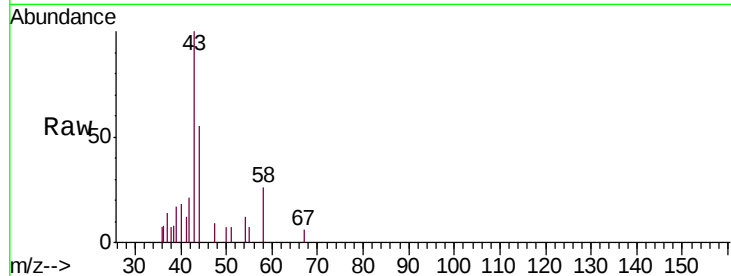
SOUTH-AVENUE-3-ABCD

Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

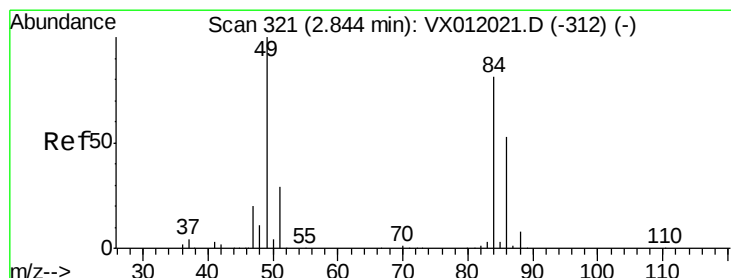
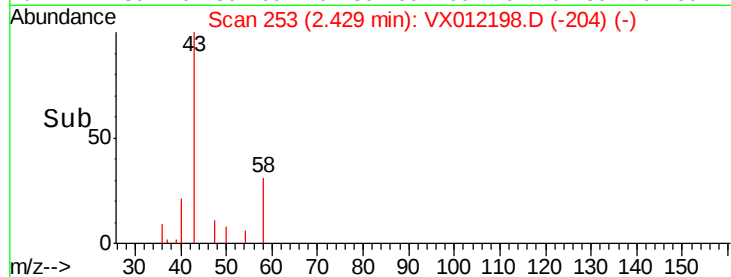
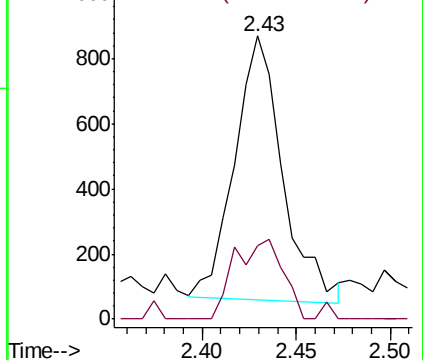
43 100

58 28.2 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 8.387 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012198.D

Acq: 08 Sep 2019 03:28

Tgt Ion: 84 Resp: 16879

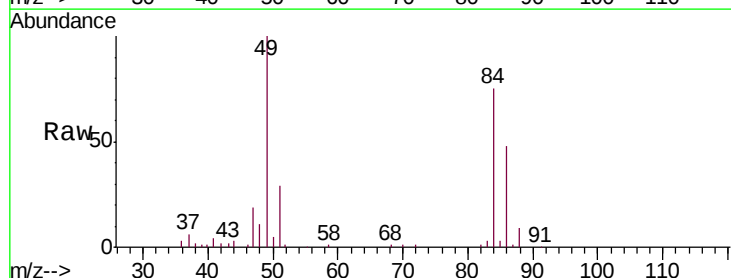
Ion Ratio Lower Upper

84 100

49 133.0 95.8 143.8

51 39.1 28.6 43.0

86 64.0 50.9 76.3

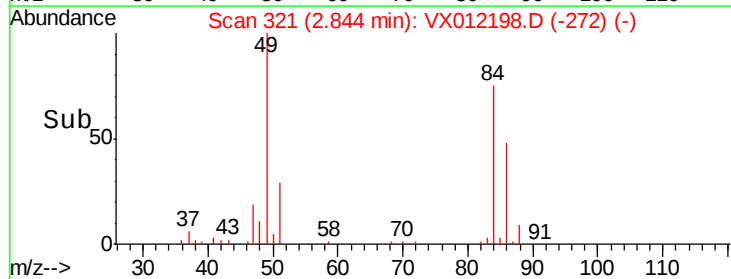
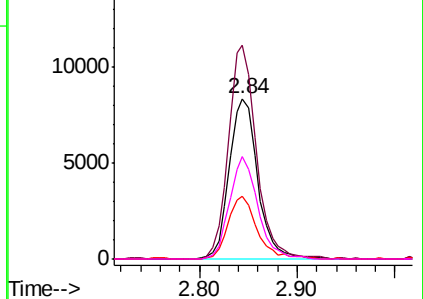


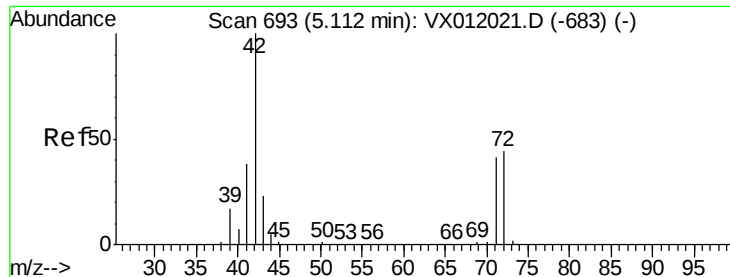
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

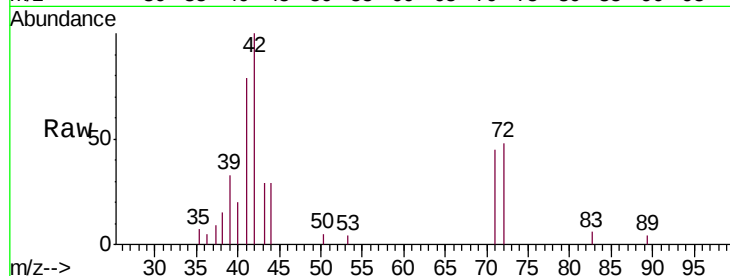




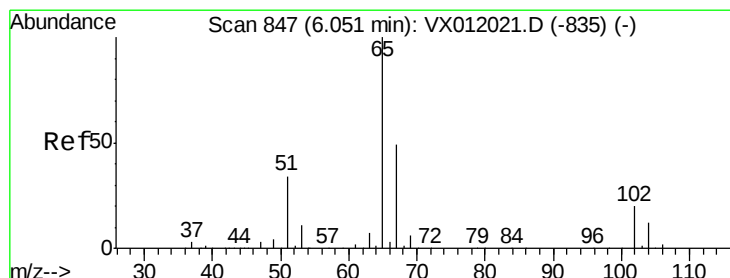
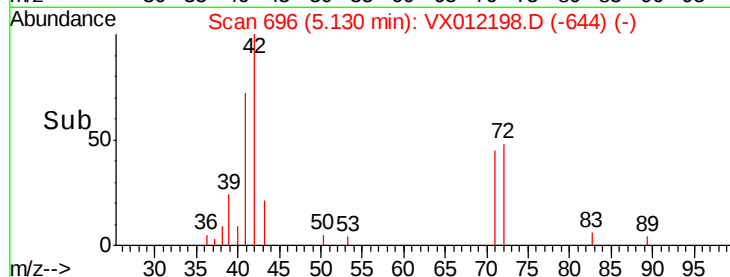
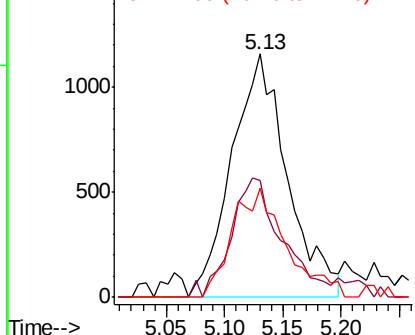
#29
Tetrahydrofuran
Concen: 10.014 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

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

Tgt Ion: 42 Resp: 3849
Ion Ratio Lower Upper
42 100
72 45.4 37.0 55.4
71 43.5 33.8 50.8

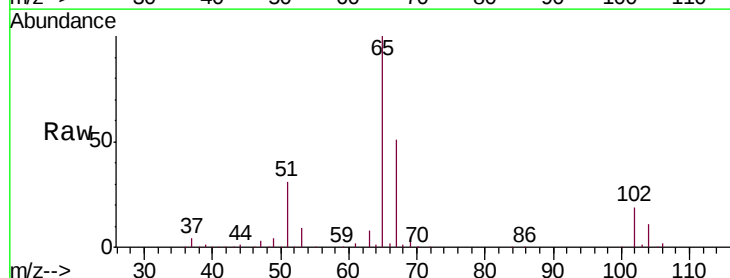


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

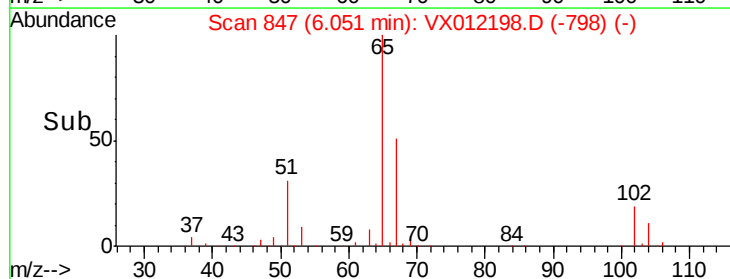
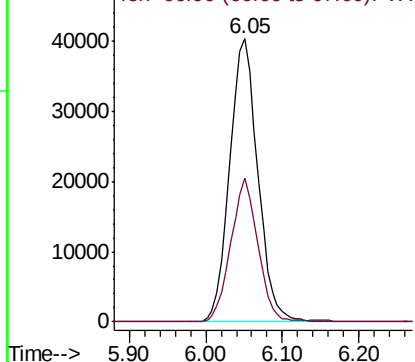


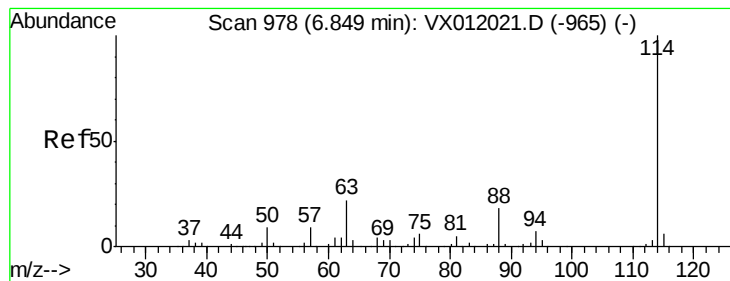
#33
1,2-Dichloroethane-d4
Concen: 49.136 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

Tgt Ion: 65 Resp: 103030
Ion Ratio Lower Upper
65 100
67 48.9 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: VX012198.D

Acq: 08 Sep 2019 03:28

Instrument :

MSVOA_X

ClientSampleId :

SOUTH-AVENUE-3-ABCD

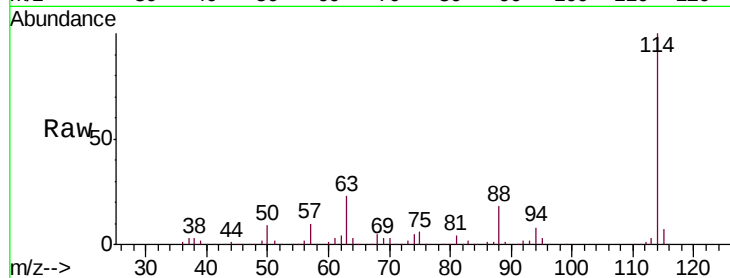
Tgt Ion:114 Resp: 261016

Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.4

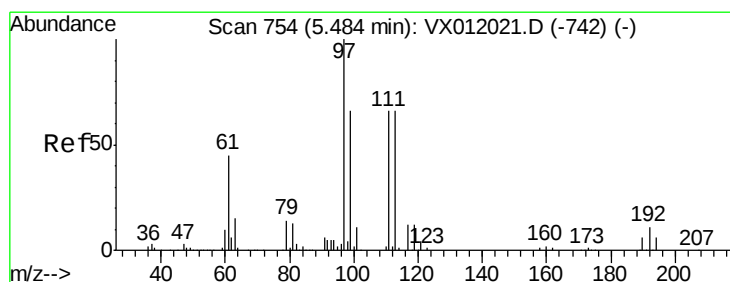
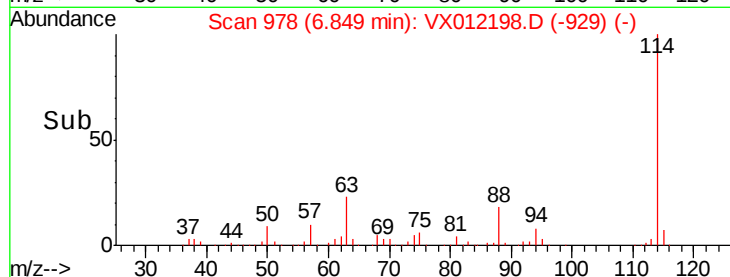
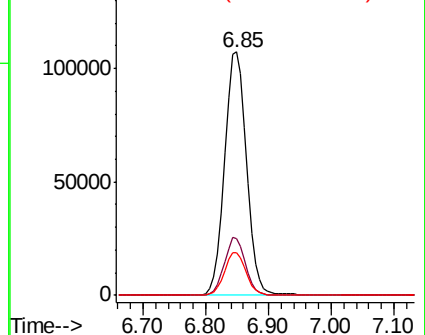
88 17.5 0.0 29.6



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: 48.071 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012198.D

Acq: 08 Sep 2019 03:28

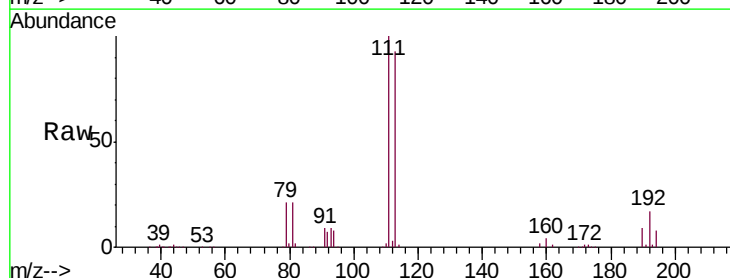
Tgt Ion:113 Resp: 77162

Ion Ratio Lower Upper

113 100

111 104.4 81.7 122.5

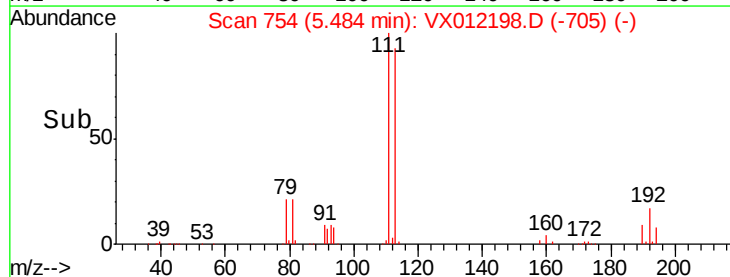
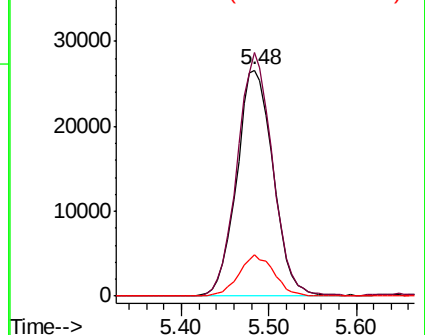
192 17.6 22.5 33.7#

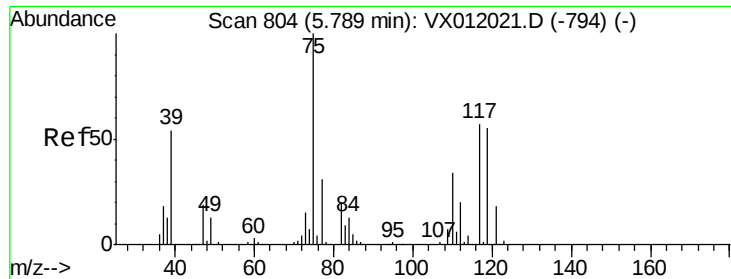


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

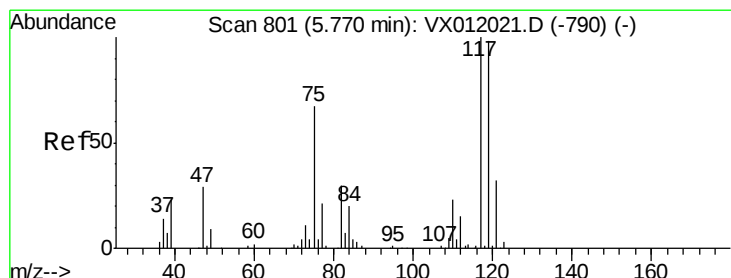
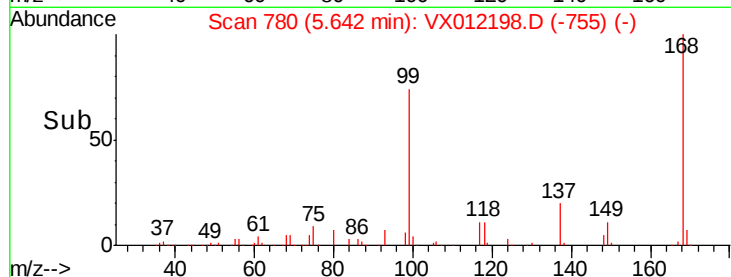
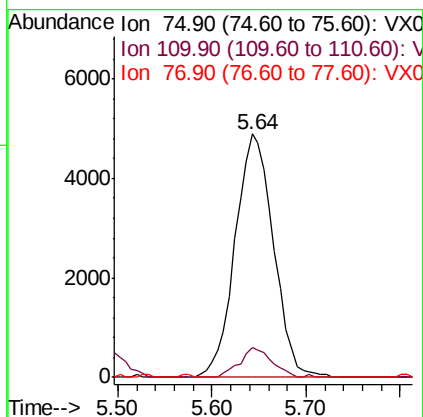
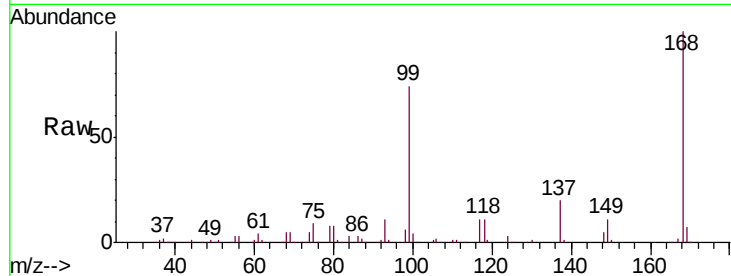




#36
 1,1-Dichloropropene
 Concen: 6.047 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012198.D
 Acq: 08 Sep 2019 03:28

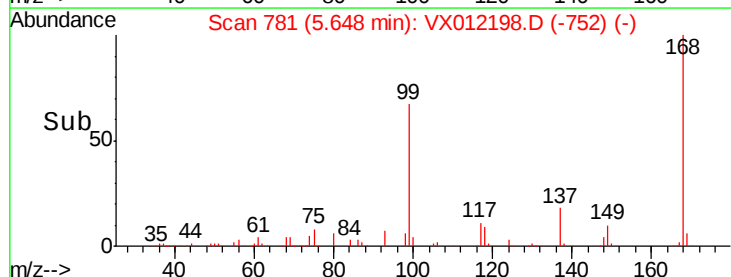
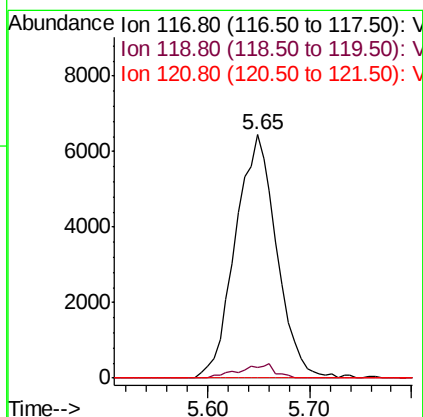
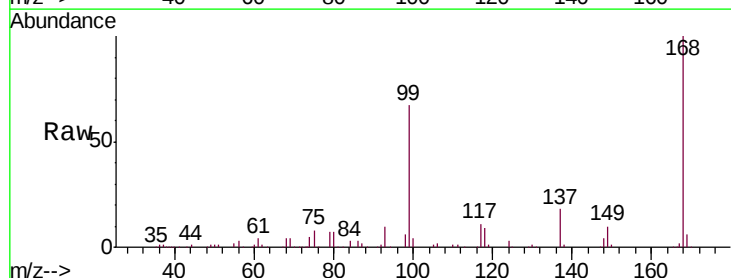
Instrument :
 MSVOA_X
 ClientSampleId :
 SOUTH-AVENUE-3-ABCD

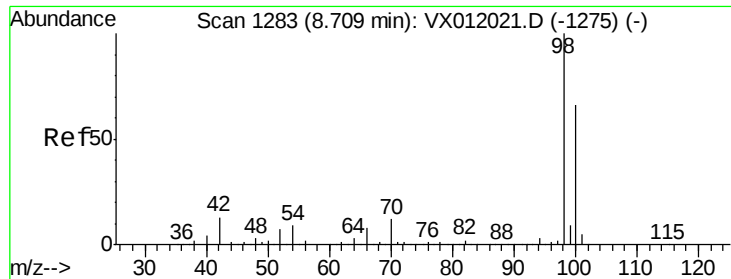
Tgt Ion: 75 Resp: 13901
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.460 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012198.D
 Acq: 08 Sep 2019 03:28

Tgt Ion: 117 Resp: 18072
 Ion Ratio Lower Upper
 117 100
 119 4.4 78.3 117.5#
 121 0.0 24.2 36.2#

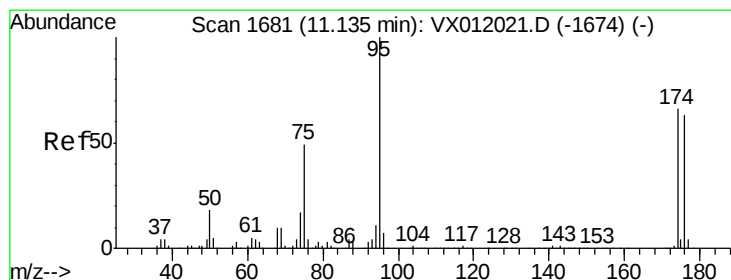
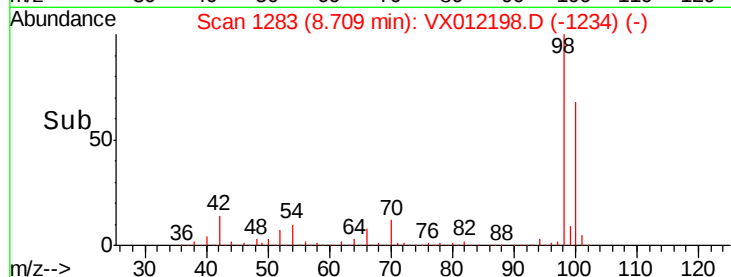
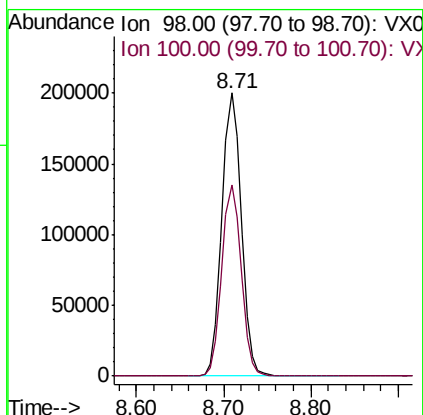
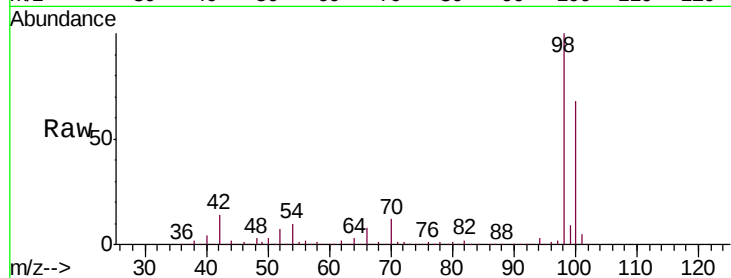




#50
Toluene-d8
Concen: 52.446 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

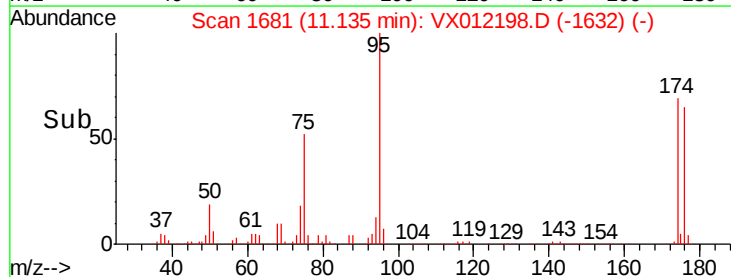
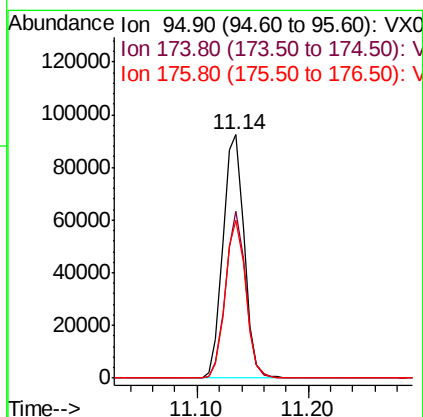
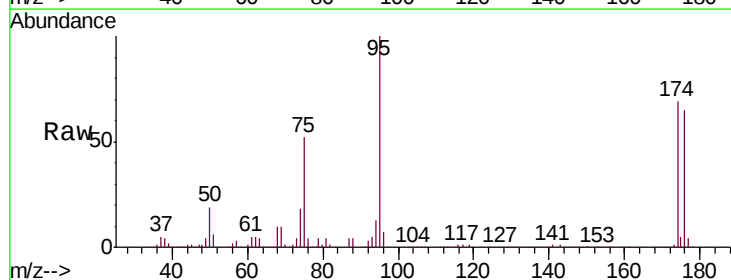
Instrument :
MSVOA_X
ClientSampleId :
SOUTH-AVENUE-3-ABCD

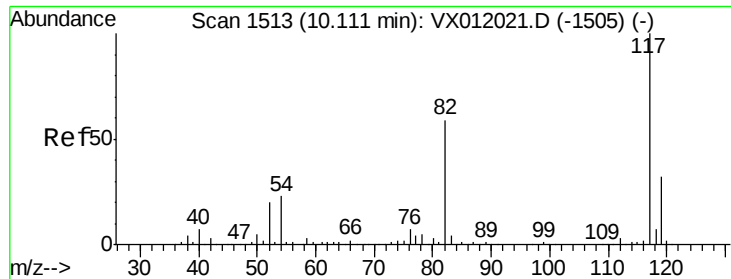
Tgt Ion: 98 Resp: 308923
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.539 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

Tgt Ion: 95 Resp: 122006
Ion Ratio Lower Upper
95 100
174 65.0 0.0 205.4
176 62.9 0.0 201.8

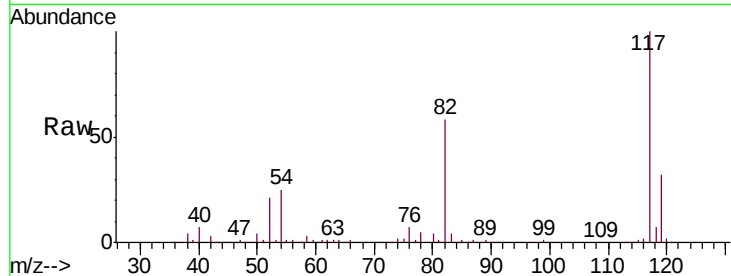




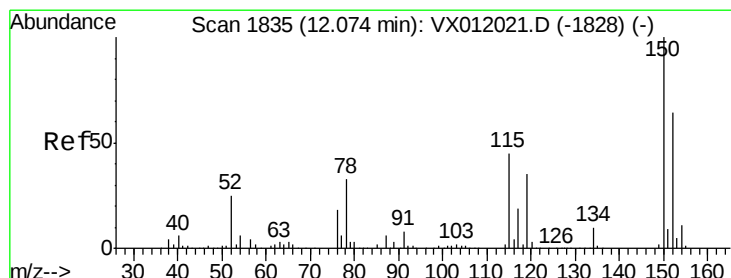
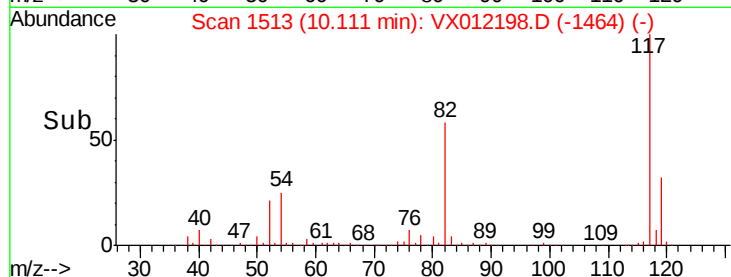
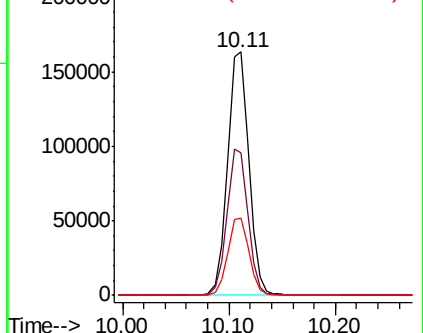
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

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

Tgt Ion:117 Resp: 230706
Ion Ratio Lower Upper
117 100
82 58.4 39.4 59.0
119 31.8 26.1 39.1

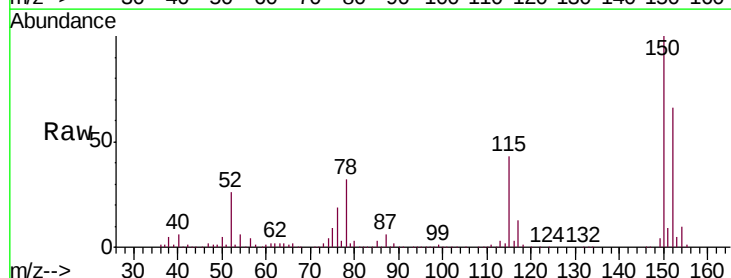


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

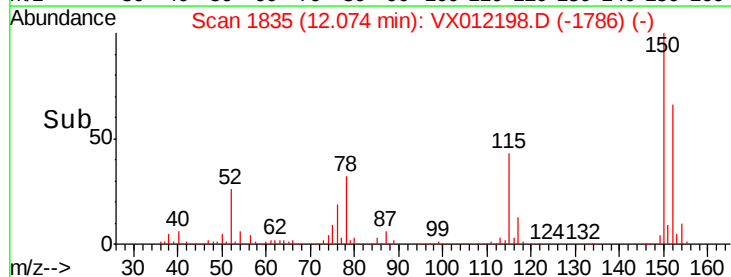
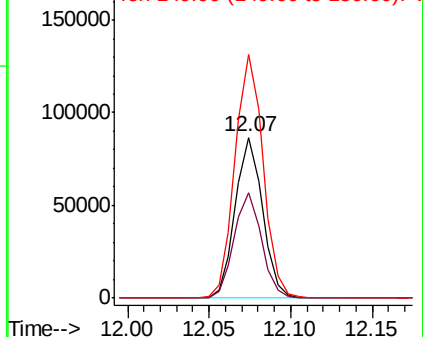


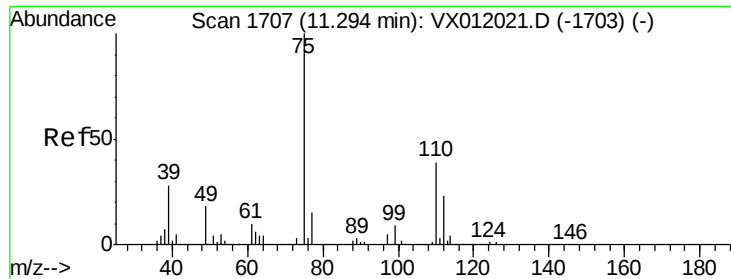
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012198.D
Acq: 08 Sep 2019 03:28

Tgt Ion:152 Resp: 101389
Ion Ratio Lower Upper
152 100
115 65.9 36.4 109.3
150 156.3 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

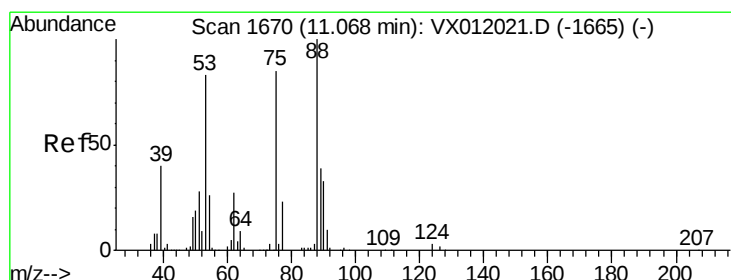
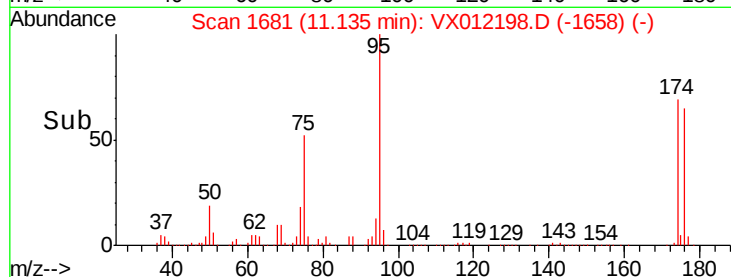
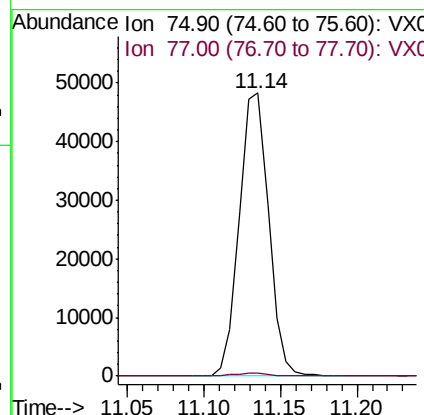
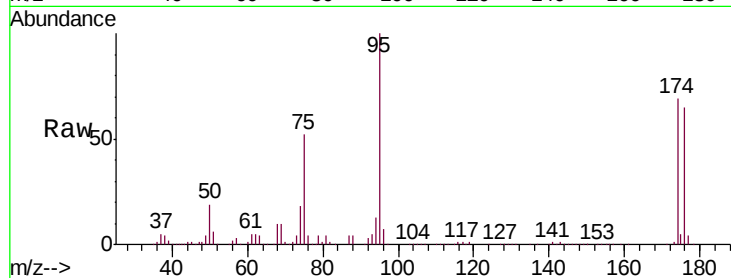




#76
 1,2,3-Trichloropropane
 Concen: 52.124 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012198.D
 Acq: 08 Sep 2019 03:28

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

Tgt Ion: 75 Resp: 64572
 Ion Ratio Lower Upper
 75 100
 77 1.1 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.229 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012198.D
 Acq: 08 Sep 2019 03:28

Tgt Ion: 75 Resp: 64572
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

