

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009188.D
 Acq On : 26 Apr 2019 14:36
 Operator : JC/SP
 Sample : K2565-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-ER-2019-1

Quant Time: Apr 27 04:02:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	140897	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
35) Dibromofluoromethane	5.50	113	104040	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	8.71	98	426664	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.13	95	142074	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

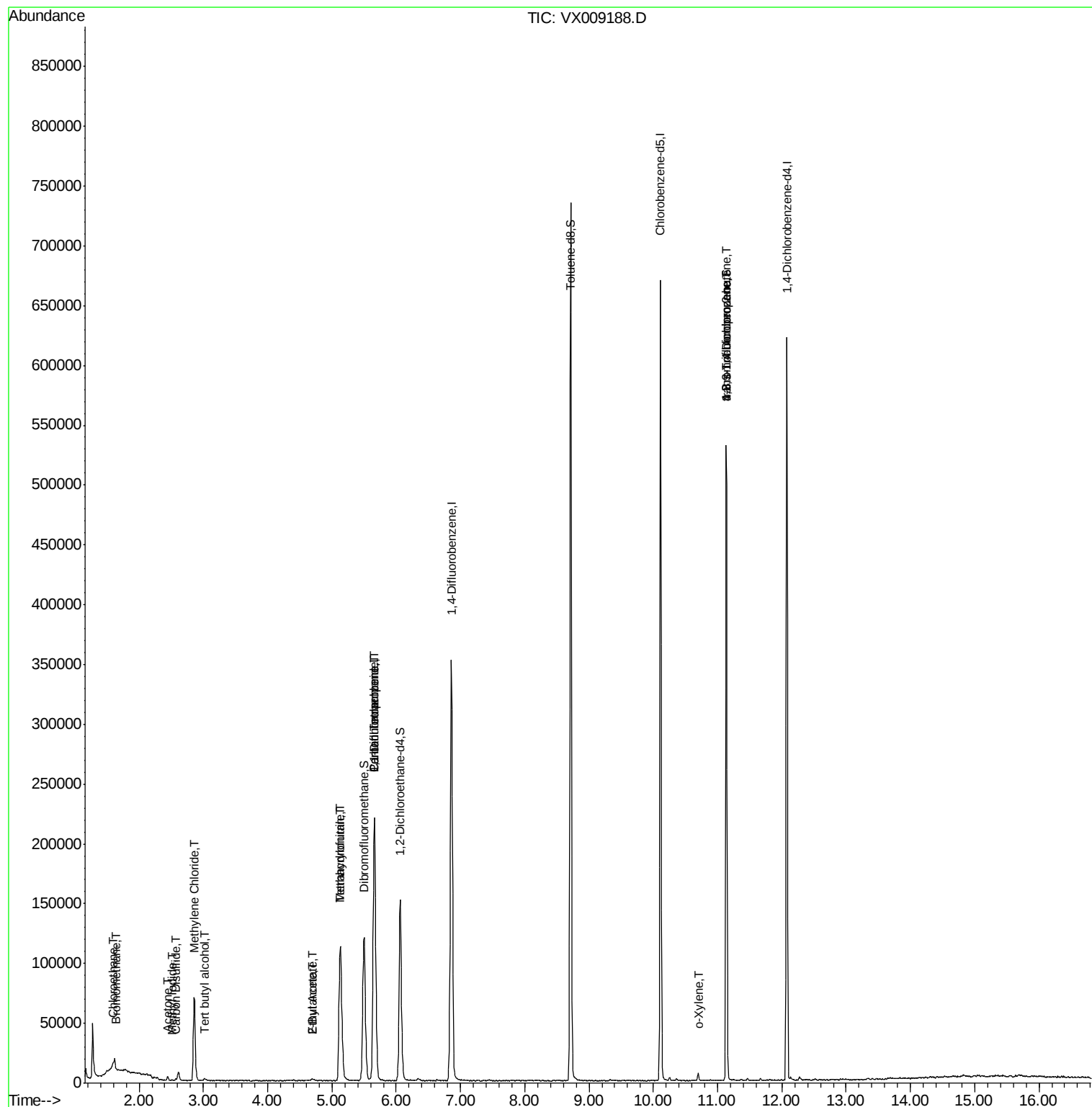
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	390	4.042	ug/l	82
6) Chloroethane	1.59	64	24860	14.245	ug/l #	61
10) Methyl Iodide	2.51	142	51	4.434	ug/l #	42
11) Tert butyl alcohol	3.01	59	1364	2.022	ug/l #	93
16) Acetone	2.45	43	3403	2.159	ug/l	89
17) Carbon Disulfide	2.57	76	1324	1.443	ug/l	95
20) Methylene Chloride	2.85	84	31642	11.741	ug/l	94
25) 2-Butanone	4.68	43	2042	0.811	ug/l	93
28) Bromochloromethane	5.06	49	68	Below Cal	#	21
29) Tetrahydrofuran	5.13	42	117312	69.579	ug/l	99
36) 1,1-Dichloropropene	5.67	75	16981	4.781	ug/l #	50
37) Ethyl Acetate	4.68	43	1946	0.426	ug/l #	72
38) Carbon Tetrachloride	5.66	117	20362	6.762	ug/l #	19
41) Methacrylonitrile	5.13	41	61976	23.627	ug/l #	49
69) o-Xylene	10.69	106	1244	0.307	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	72454	23.411	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72454	60.103	ug/l #	11

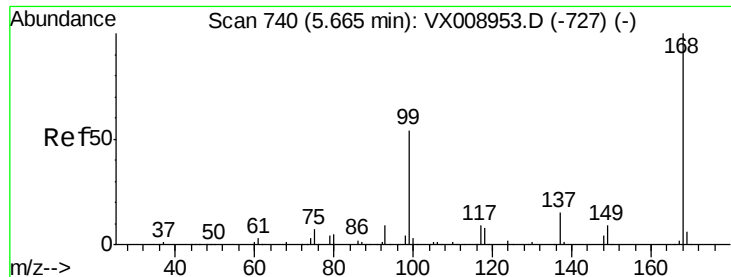
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

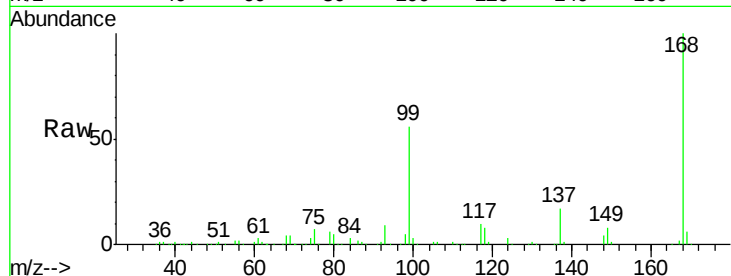
S81-ER-2019-1

Tot Ion:168 Resp: 215637

Ion Ratio Lower Upper

168 100

99 56.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

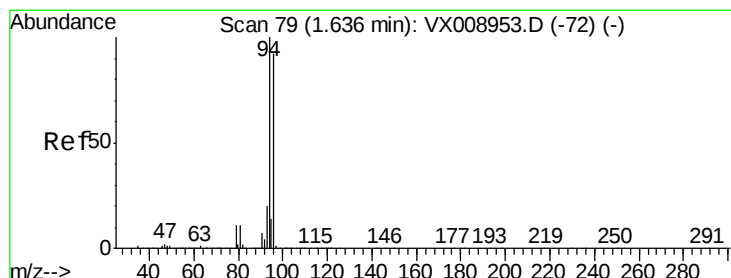
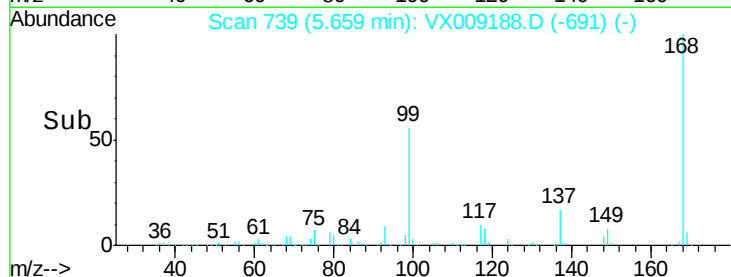
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.042 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009188.D

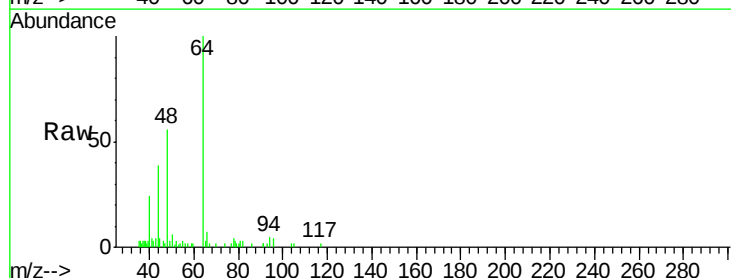
Acq: 26 Apr 2019 14:36

Tgt Ion: 94 Resp: 390

Ion Ratio Lower Upper

94 100

96 75.3 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

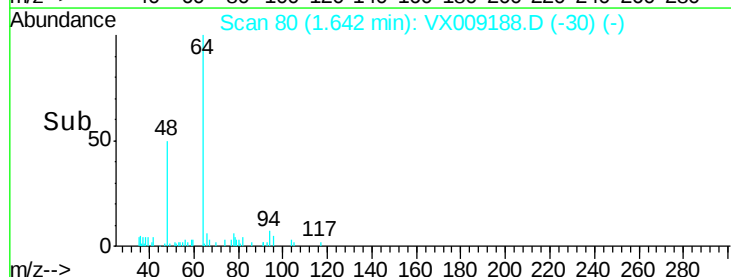
150

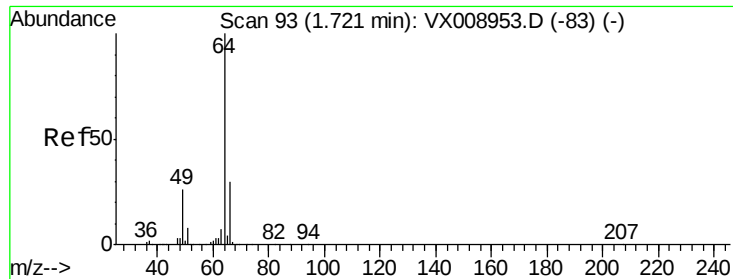
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 14.245 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

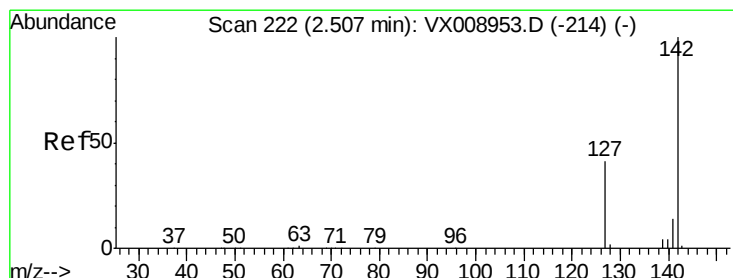
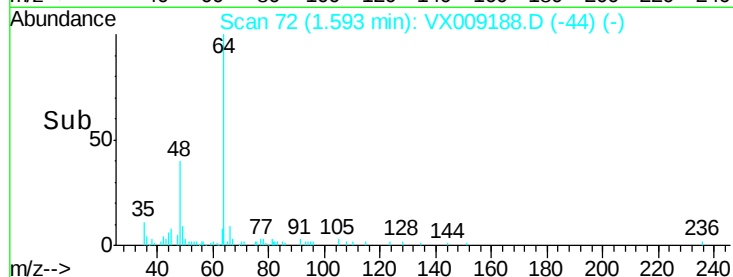
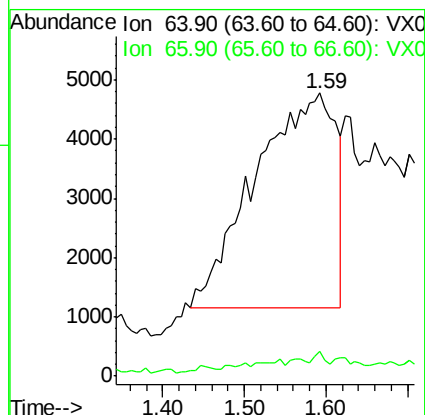
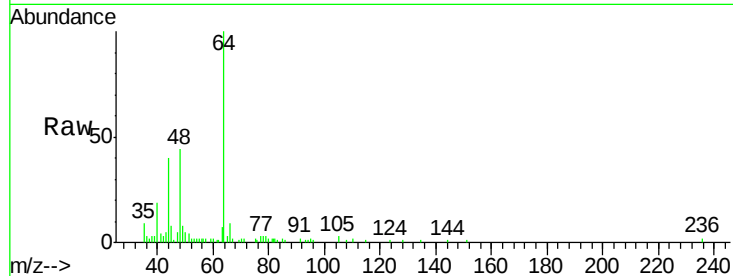
S81-ER-2019-1

Tot Ion: 64 Resp: 24860

Ion Ratio Lower Upper

64 100

66 9.1 24.2 36.2#



#10

Methyl Iodide

Concen: 4.434 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

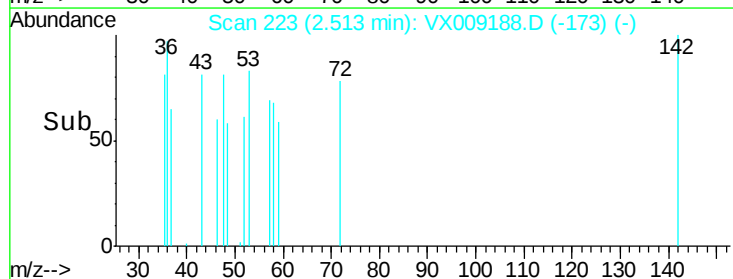
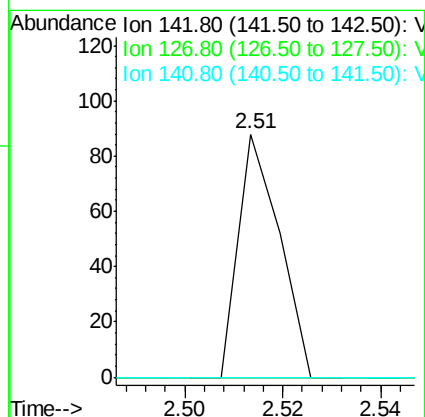
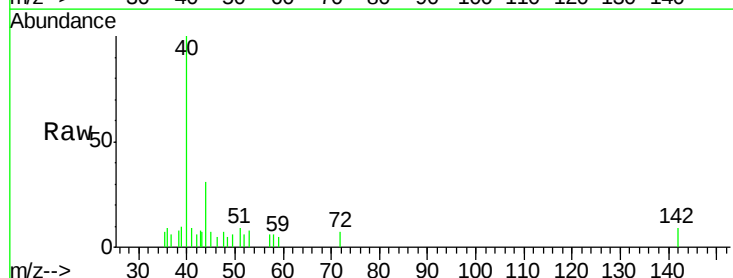
Tgt Ion: 142 Resp: 51

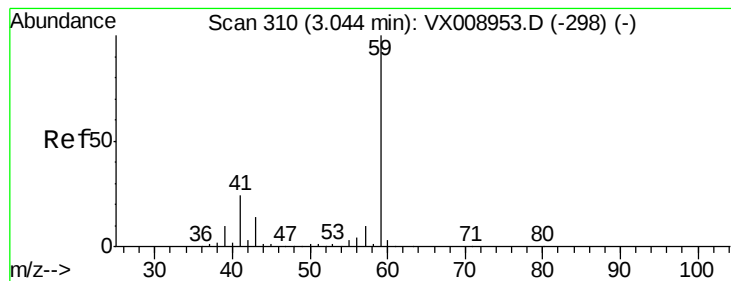
Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

141 0.0 11.4 17.2#



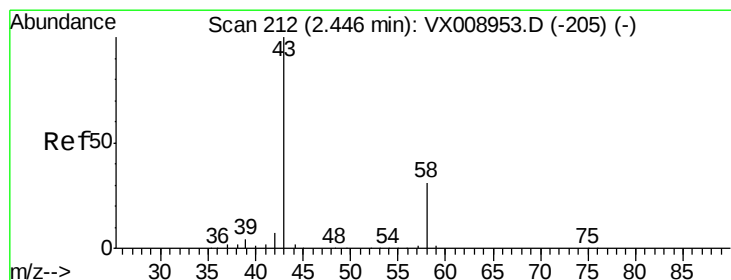
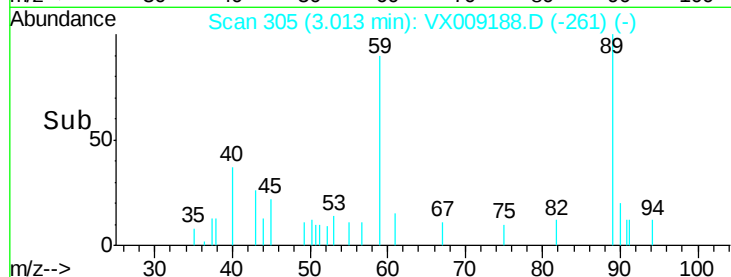
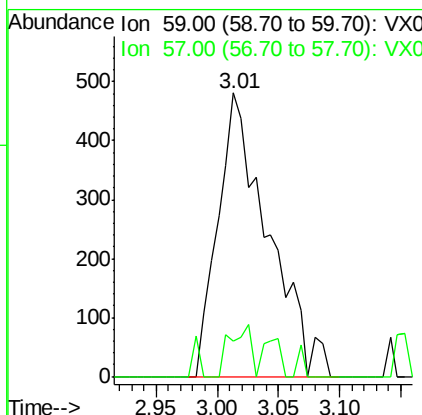
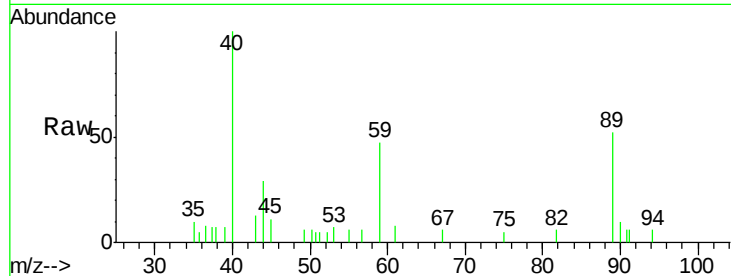


#11

Tert butyl alcohol
 Concen: 2.022 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.03 min
 Lab File: VX009188.D
 Acq: 26 Apr 2019 14:36

Instrument :
 MSVOA_X
 ClientSampled :
 S81-ER-2019-1

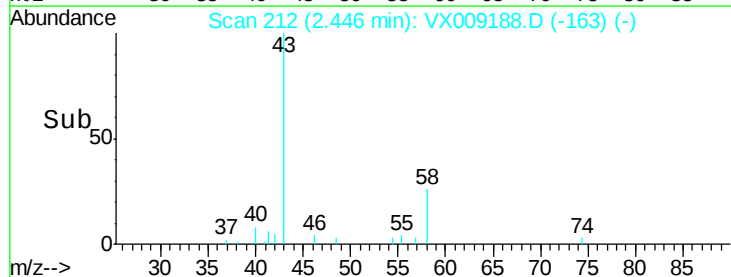
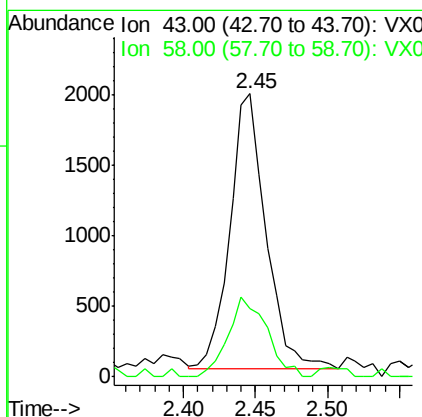
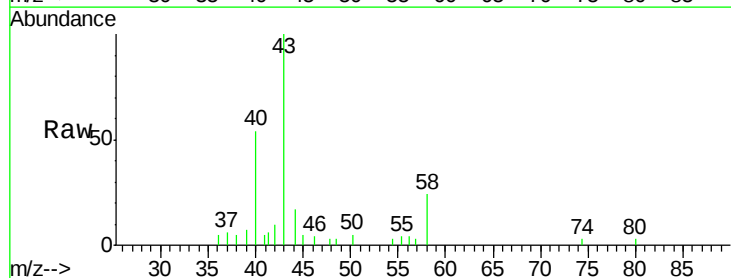
Tot Ion: 59 Resp: 1364
 Ion Ratio Lower Upper
 59 100
 57 7.7 8.4 12.6#

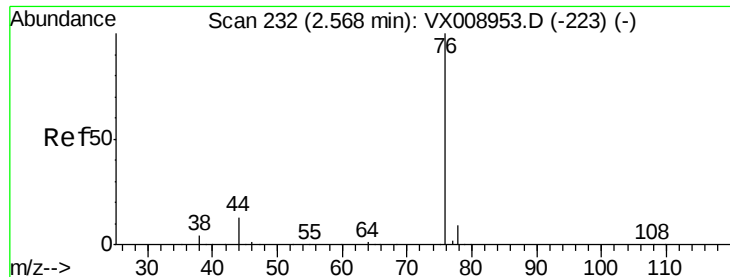


#16

Acetone
 Concen: 2.159 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009188.D
 Acq: 26 Apr 2019 14:36

Tgt Ion: 43 Resp: 3403
 Ion Ratio Lower Upper
 43 100
 58 25.1 24.8 37.2





#17

Carbon Disulfide

Concen: 1.443 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

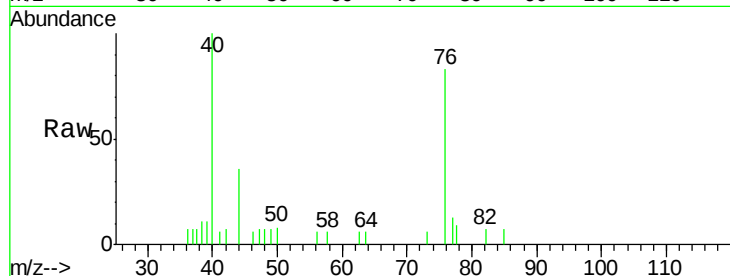
S81-ER-2019-1

Tot Ion: 76 Resp: 1324

Ion Ratio Lower Upper

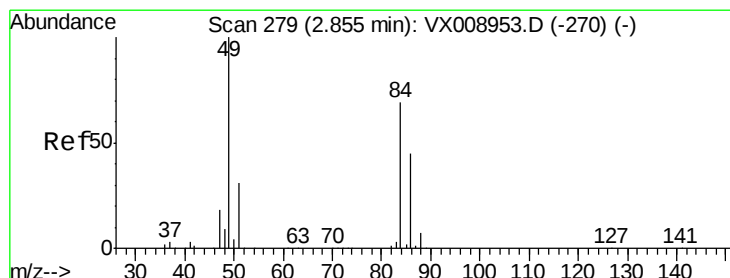
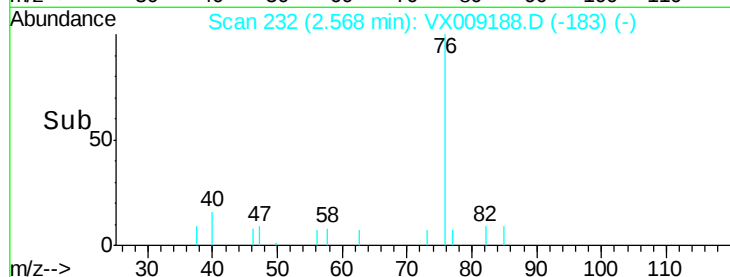
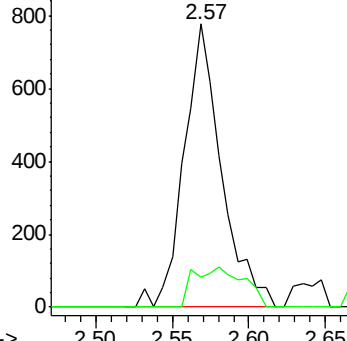
76 100

78 10.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 11.741 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Tgt Ion: 84 Resp: 31642

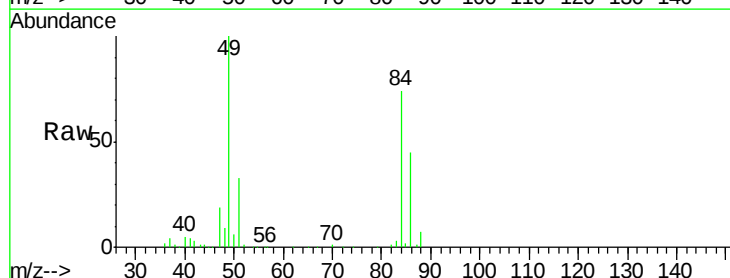
Ion Ratio Lower Upper

84 100

49 135.6 115.4 173.0

51 44.1 35.8 53.6

86 60.4 52.1 78.1

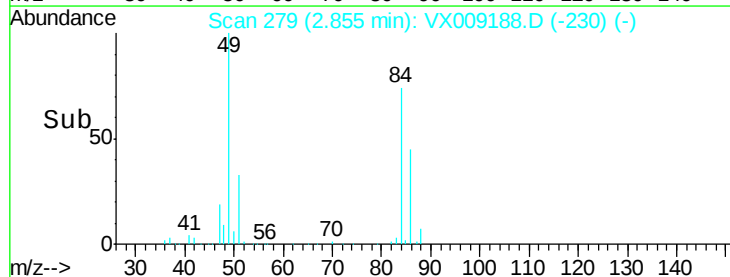
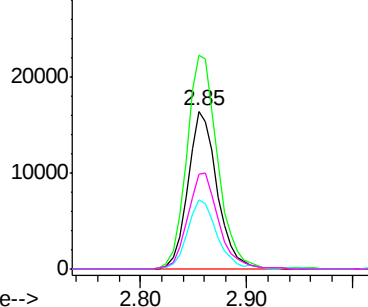


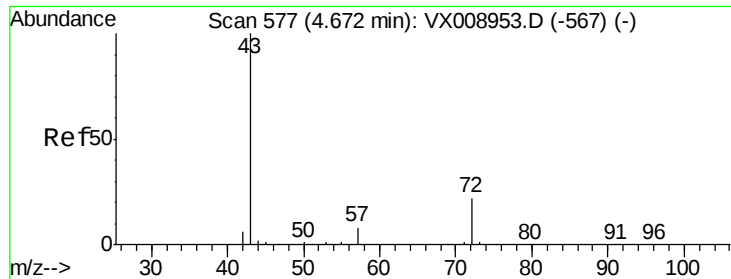
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.811 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

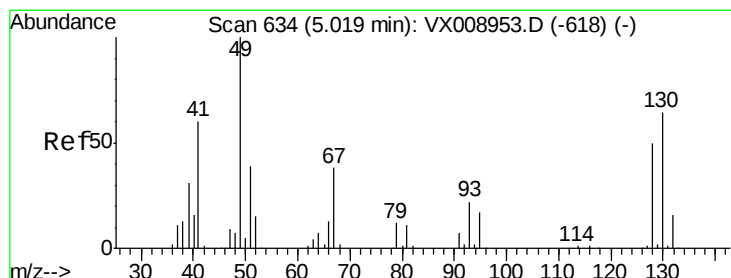
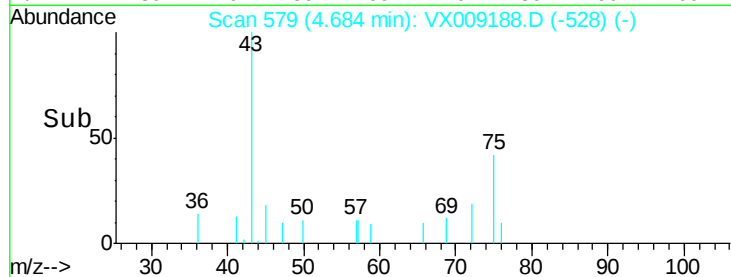
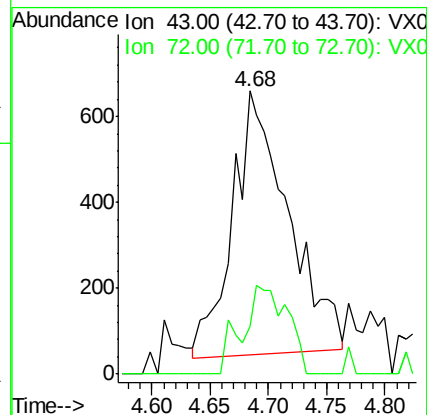
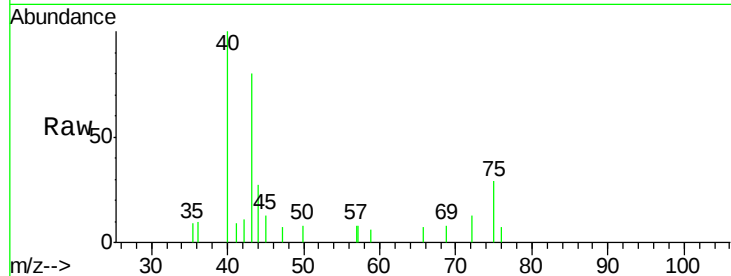
S81-ER-2019-1

Tot Ion: 43 Resp: 2042

Ion Ratio Lower Upper

43 100

72 18.4 17.5 26.3



#28

Bromochloromethane

Concen: Below Cal

RT: 5.06 min Scan# 640

Delta R.T. 0.04 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

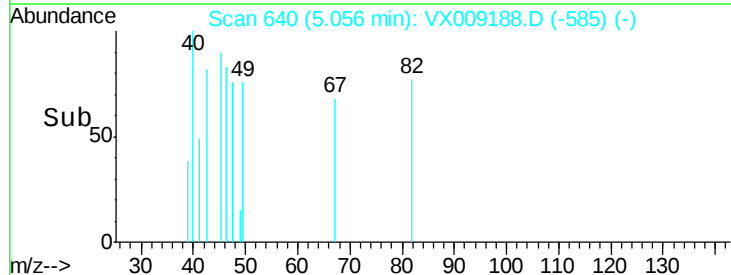
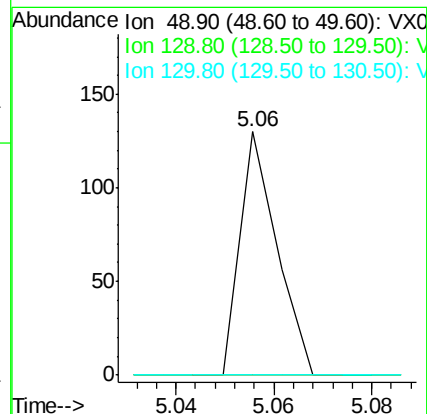
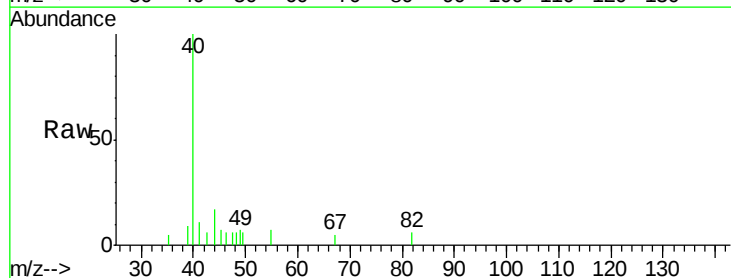
Tgt Ion: 49 Resp: 68

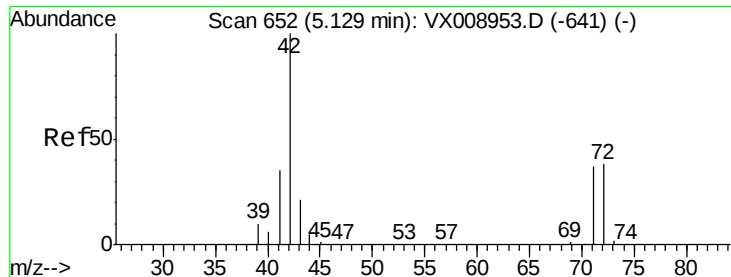
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 50.4 75.6#

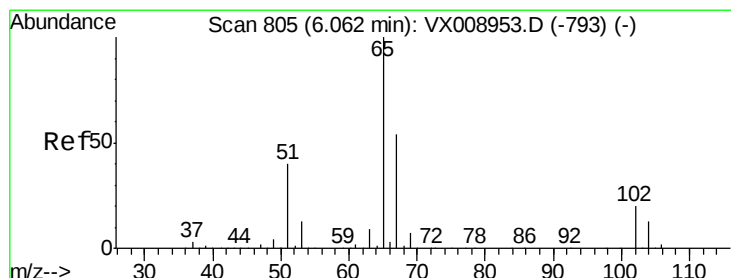
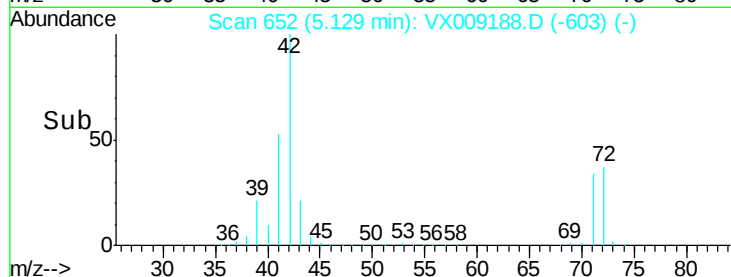
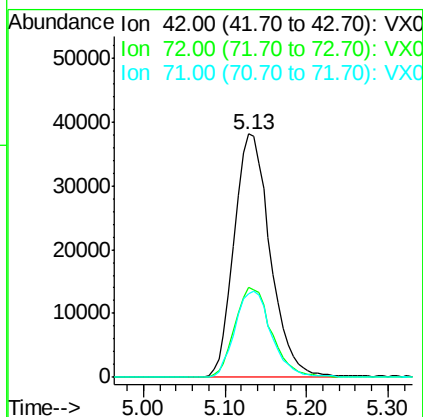
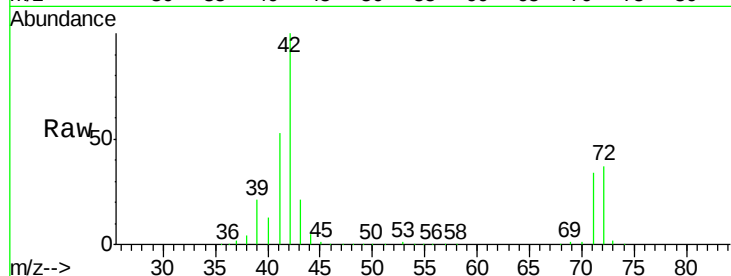




#29
Tetrahydrofuran
Concen: 69.579 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

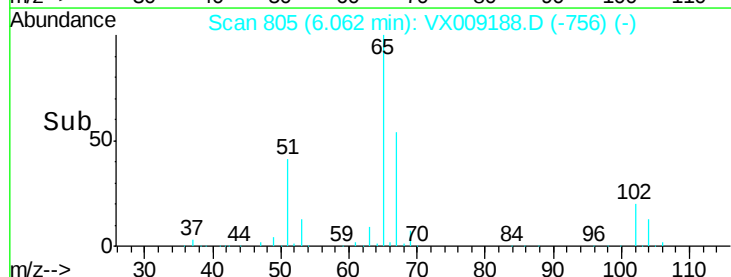
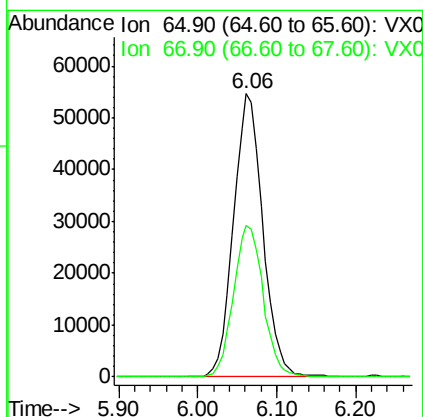
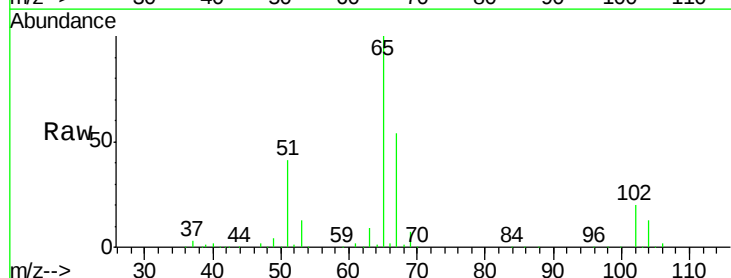
Instrument :
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S81-ER-2019-1

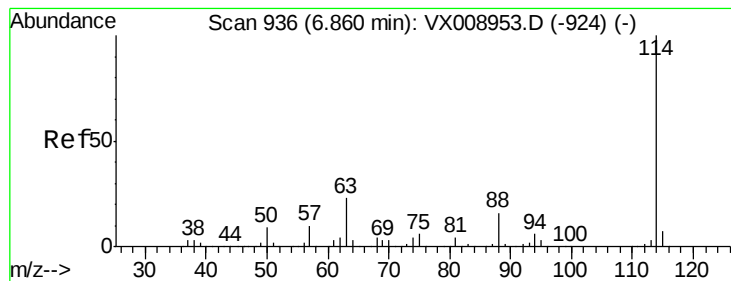
Tot Ion: 42 Resp: 117312
Ion Ratio Lower Upper
42 100
72 37.2 30.6 45.8
71 35.9 28.8 43.2



#33
1,2-Dichloroethane-d4
Concen: 46.364 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

Tgt Ion: 65 Resp: 140897
Ion Ratio Lower Upper
65 100
67 54.6 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

S81-ER-2019-1

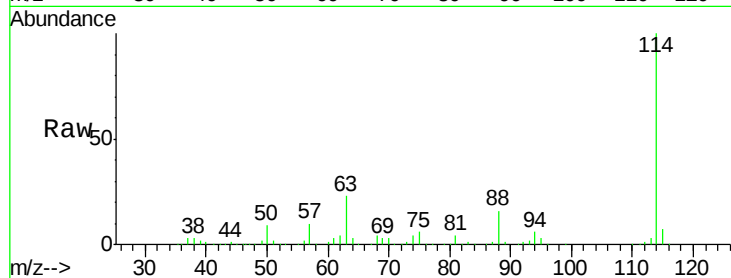
Tot Ion:114 Resp: 343436

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.0

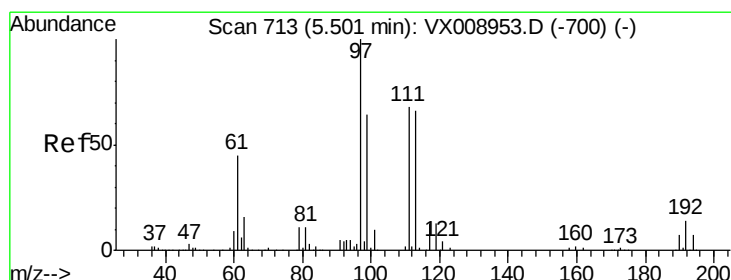
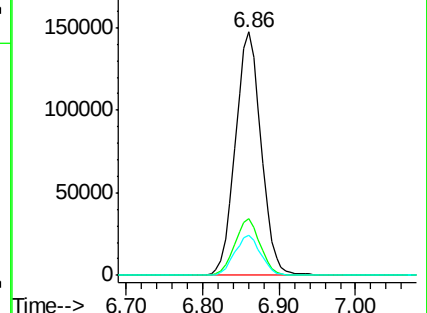
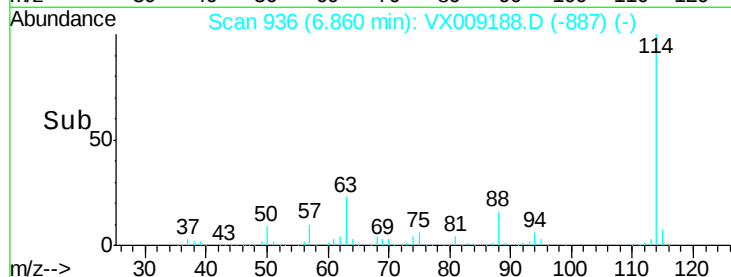
88 16.3 0.0 32.6



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: 47.203 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

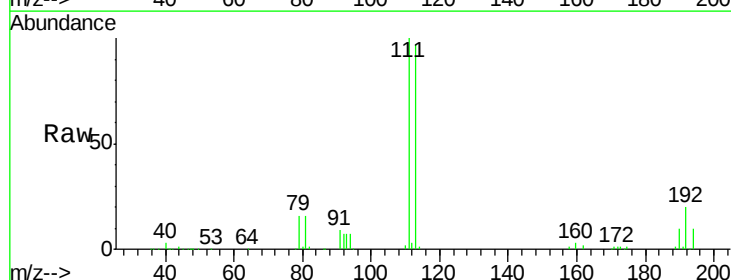
Tgt Ion:113 Resp: 104040

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

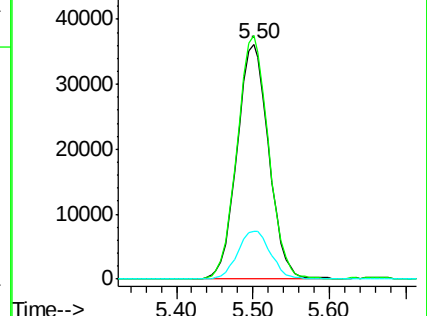
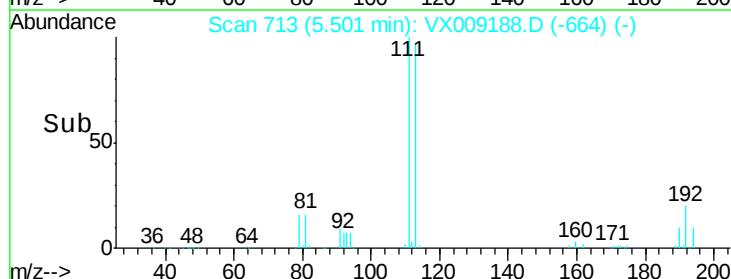
192 21.3 17.4 26.0

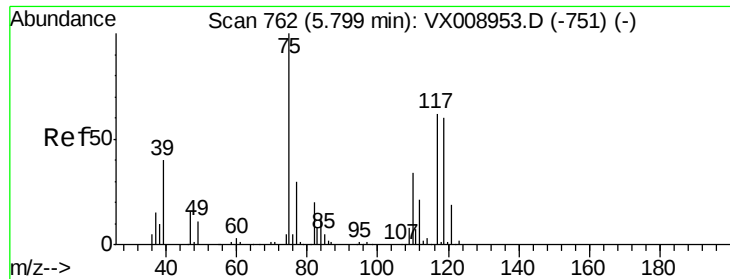


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.781 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

S81-ER-2019-1

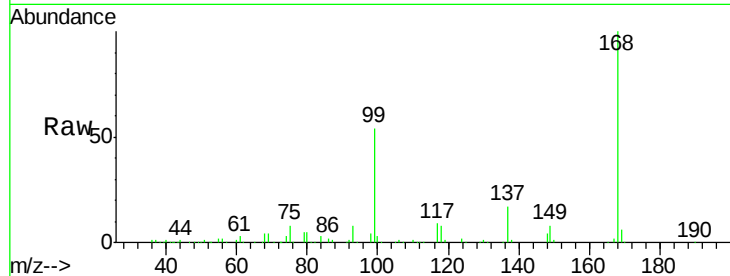
Tot Ion: 75 Resp: 16981

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.7#

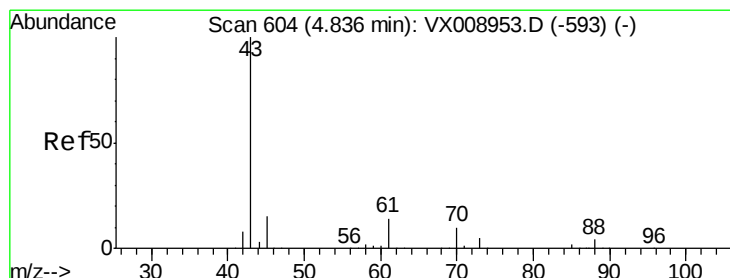
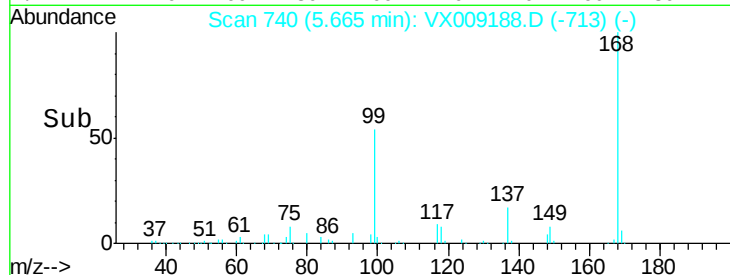
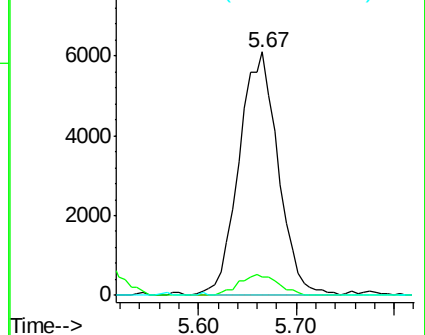
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.426 ug/l

RT: 4.68 min Scan# 579

Delta R.T. -0.15 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

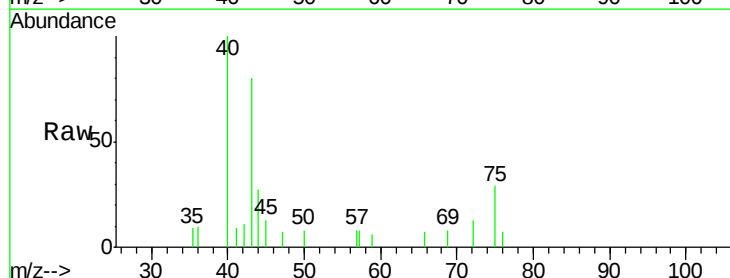
Tgt Ion: 43 Resp: 1946

Ion Ratio Lower Upper

43 100

61 1.4 10.6 15.8#

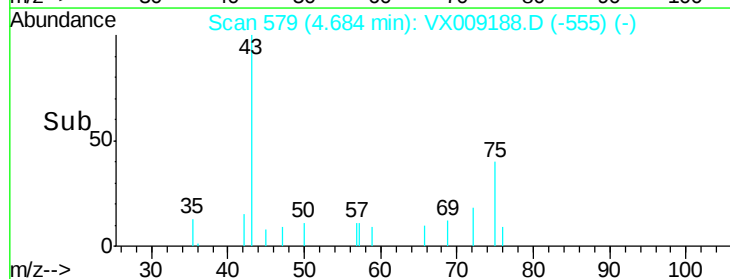
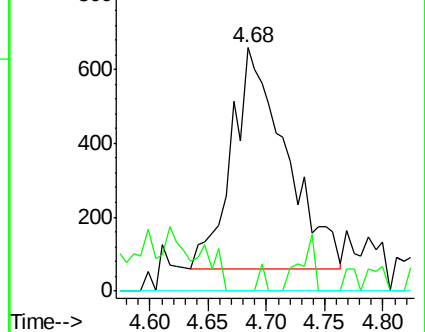
70 0.0 7.7 11.5#

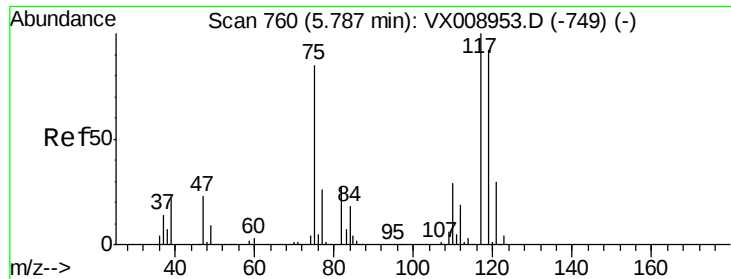


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

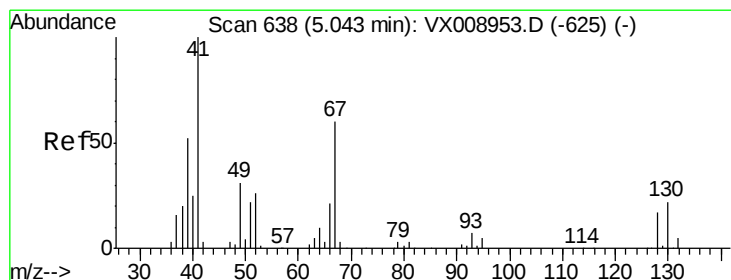
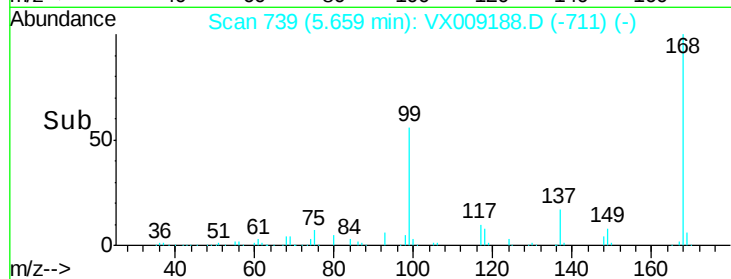
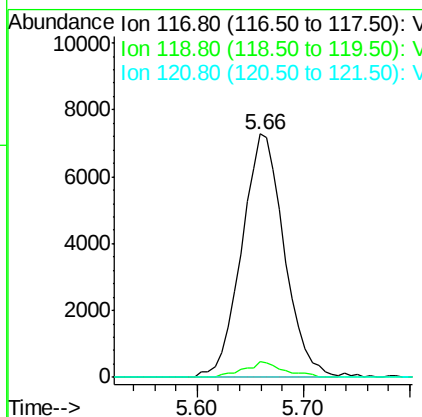
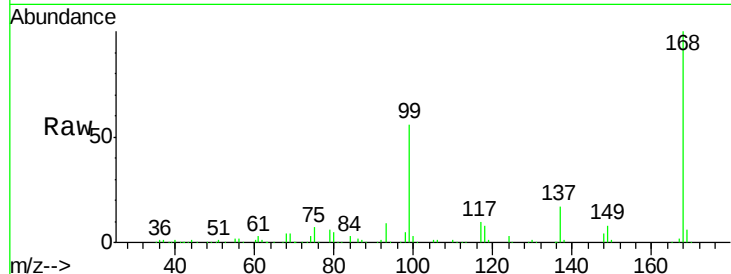




#38
Carbon Tetrachloride
Concen: 6.762 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

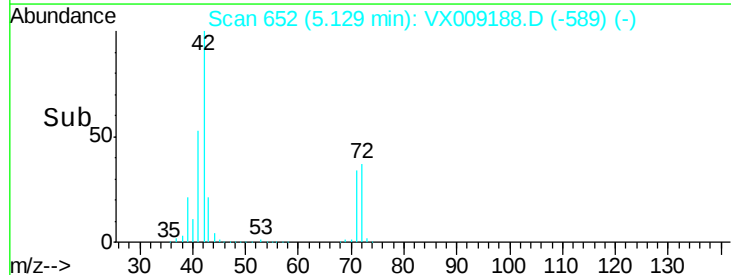
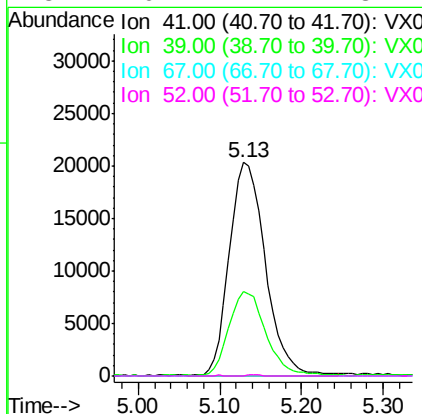
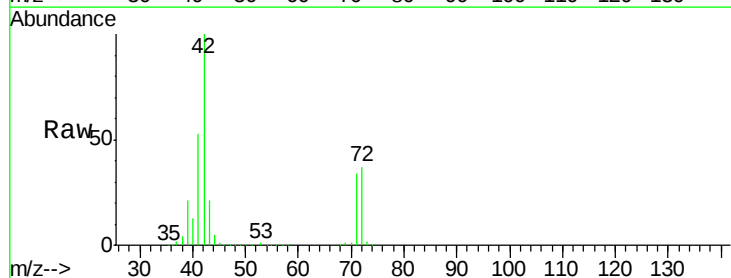
Instrument :
MSVOA_X
ClientSampleId :
S81-ER-2019-1

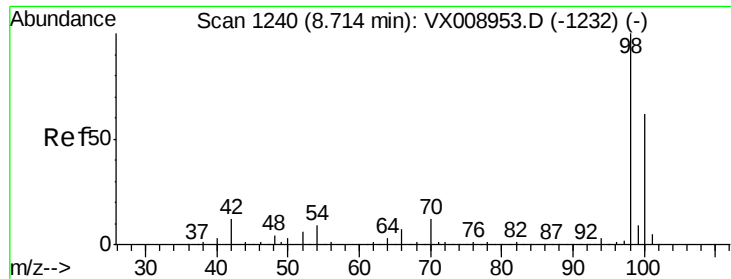
Tot Ion:117 Resp: 20362
Ion Ratio Lower Upper
117 100
119 6.6 73.8 110.8#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 23.627 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.09 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

Tgt Ion: 41 Resp: 61976
Ion Ratio Lower Upper
41 100
39 41.0 41.8 62.6#
67 0.0 50.2 75.4#
52 0.1 21.1 31.7#

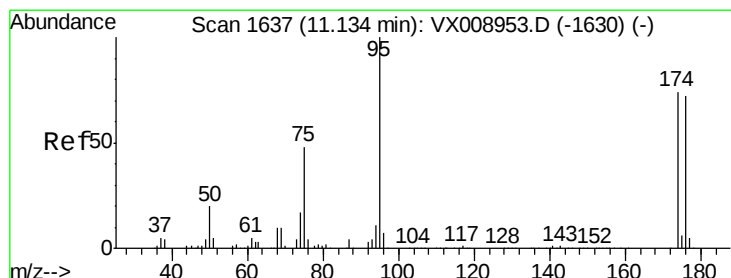
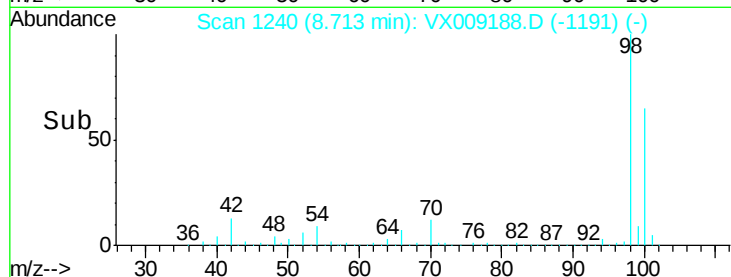
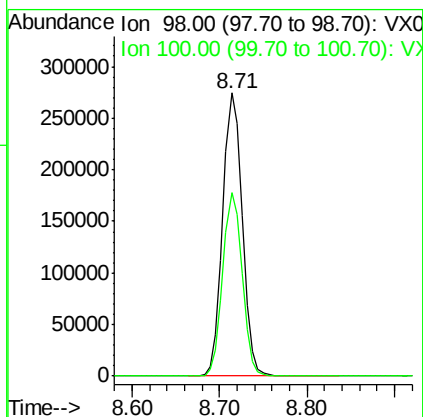
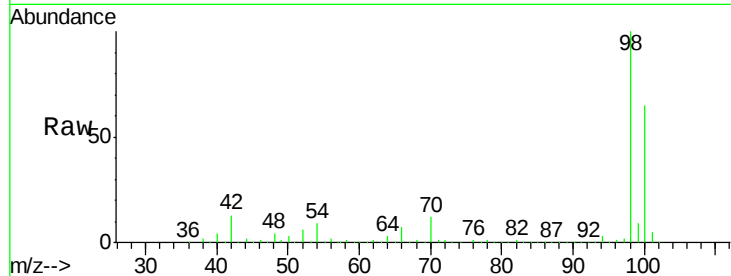




#50
Toluene-d8
Concen: 48.540 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

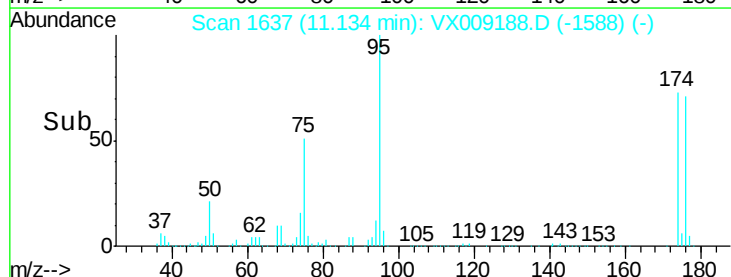
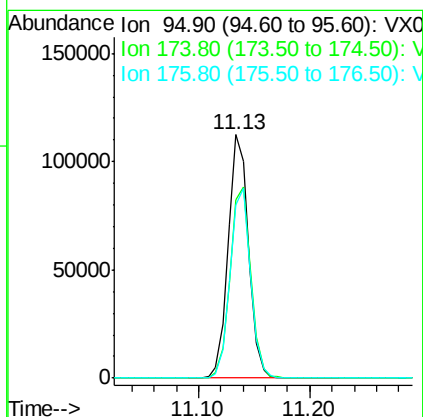
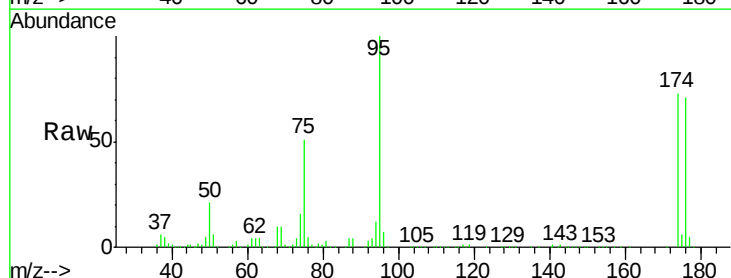
Instrument :
MSVOA_X
ClientSampleId :
S81-ER-2019-1

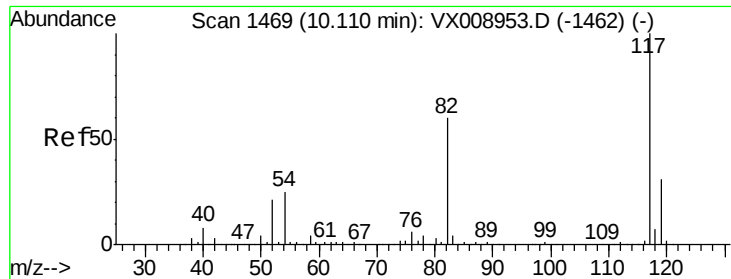
Tot Ion: 98 Resp: 426664
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.788 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

Tgt Ion: 95 Resp: 142074
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.6
176 78.3 0.0 154.8

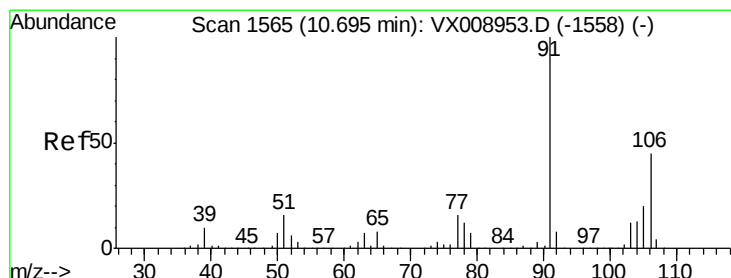
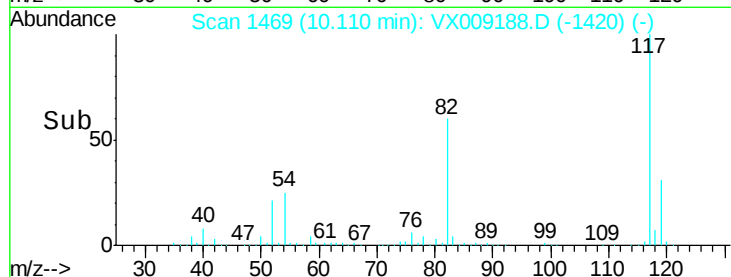
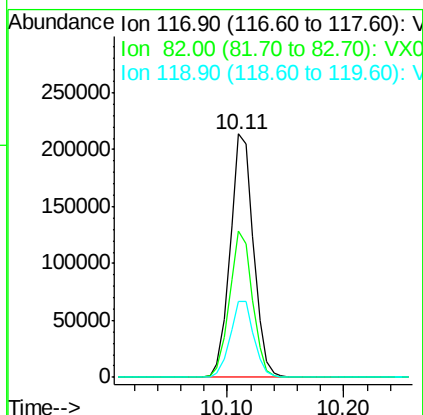
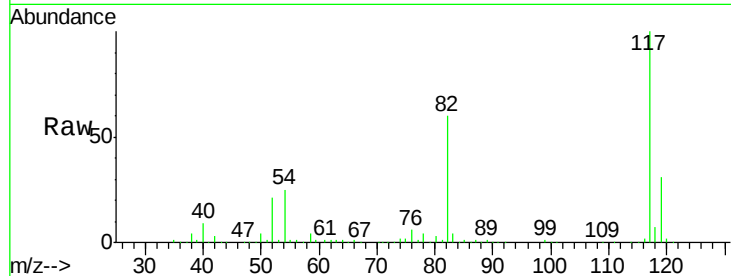




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

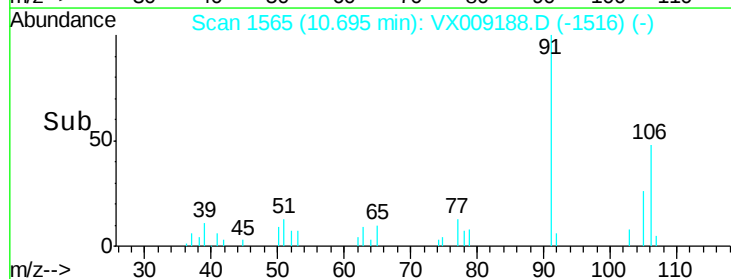
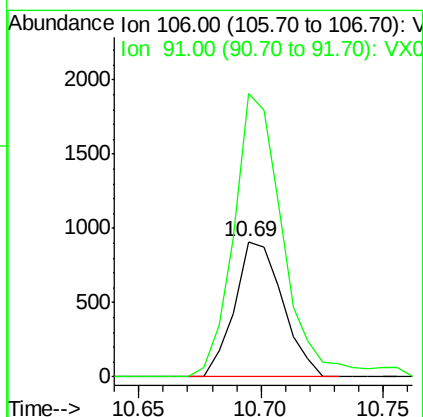
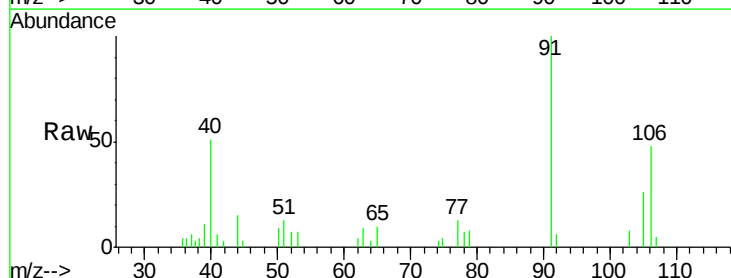
Instrument :
MSVOA_X
ClientSampled :
S81-ER-2019-1

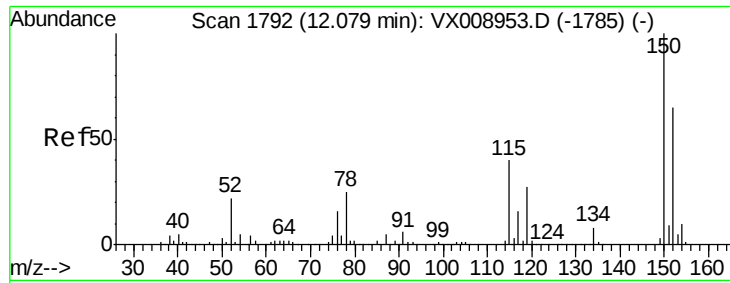
Tot Ion:117 Resp: 296886
Ion Ratio Lower Upper
117 100
82 59.9 48.2 72.4
119 31.3 25.0 37.6



#69
o-Xylene
Concen: 0.307 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009188.D
Acq: 26 Apr 2019 14:36

Tgt Ion:106 Resp: 1244
Ion Ratio Lower Upper
106 100
91 216.6 108.9 326.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

S81-ER-2019-1

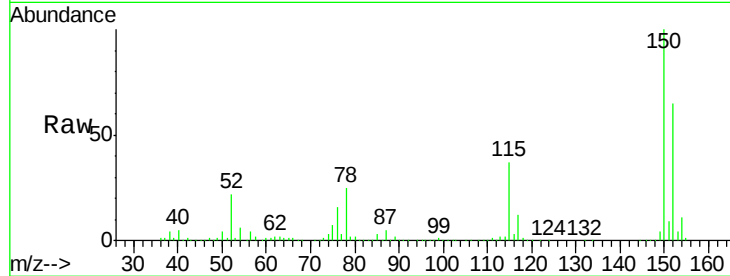
Tot Ion:152 Resp: 126745

Ion Ratio Lower Upper

152 100

115 58.7 41.4 124.2

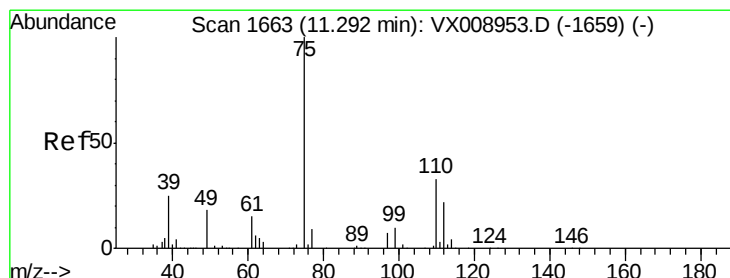
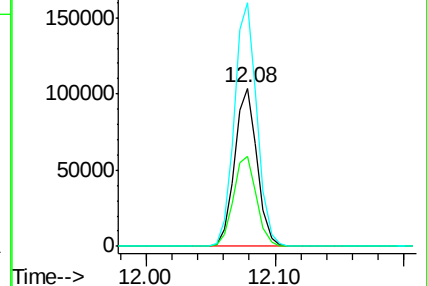
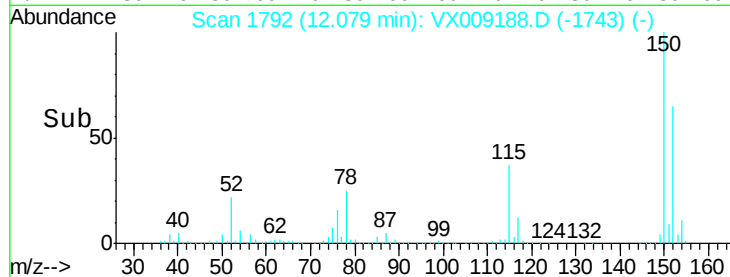
150 154.6 0.0 349.8



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: 23.411 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009188.D

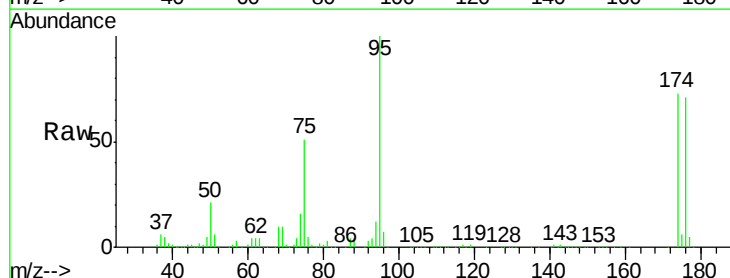
Acq: 26 Apr 2019 14:36

Tgt Ion: 75 Resp: 72454

Ion Ratio Lower Upper

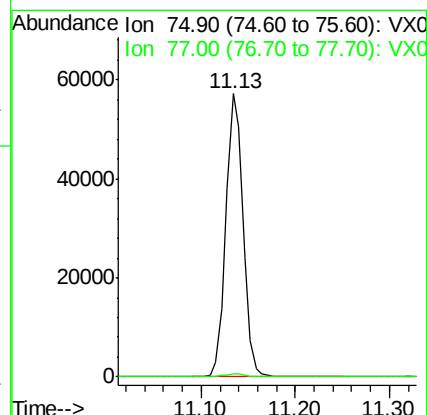
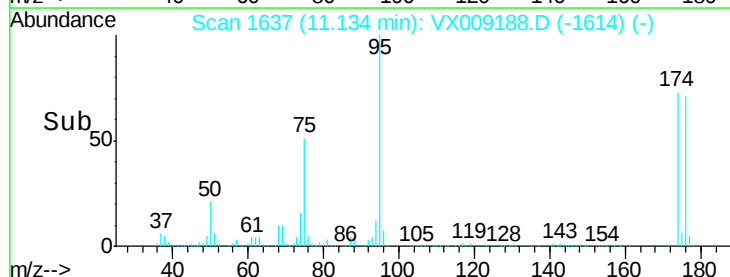
75 100

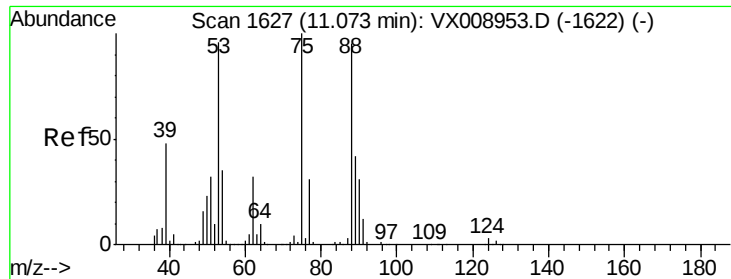
77 1.2 22.7 68.0#



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: 60.103 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009188.D

Acq: 26 Apr 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

S81-ER-2019-1

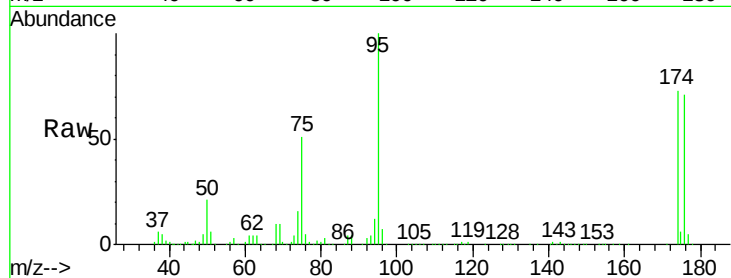
Tot Ion: 75 Resp: 72454

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.1 36.0 54.0#



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

