

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042619\
 Data File : VX009183.D
 Acq On : 26 Apr 2019 12:39
 Operator : JC/SP
 Sample : K2565-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 27 04:00:24 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	211944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339359	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126070	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	140480	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
35) Dibromofluoromethane	5.50	113	103916	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
50) Toluene-d8	8.71	98	425445	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	141490	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	

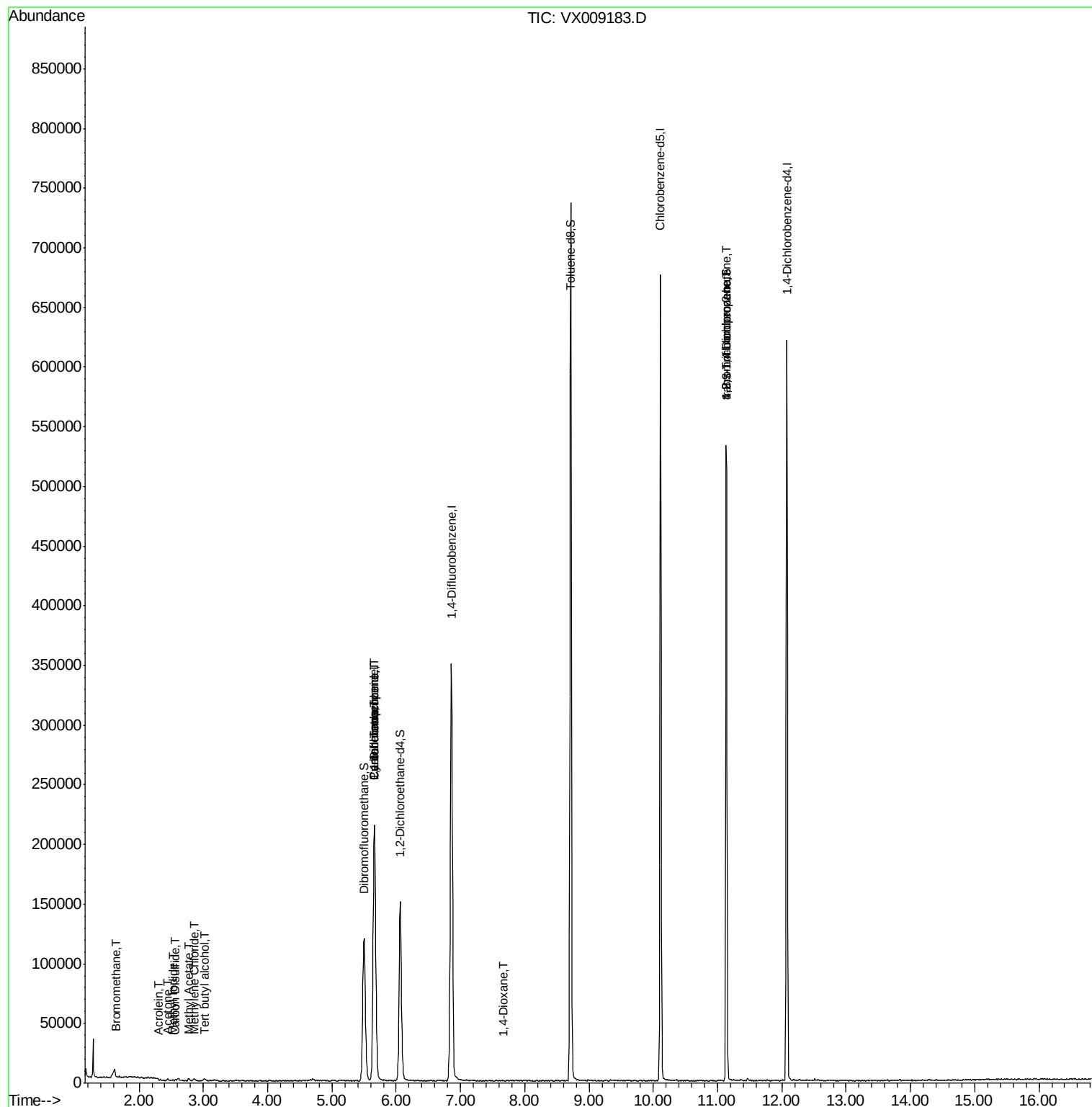
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	311	4.005	ug/l	94
10) Methyl Iodide	2.52	142	328	4.540	ug/l #	63
11) Tert butyl alcohol	3.01	59	1153	1.739	ug/l #	77
13) Acrolein	2.31	56	207	0.361	ug/l #	63
16) Acetone	2.45	43	1345	0.868	ug/l #	85
17) Carbon Disulfide	2.57	76	912	1.386	ug/l #	81
18) Methyl Acetate	2.78	43	2542	0.658	ug/l	96
20) Methylene Chloride	2.85	84	655	0.247	ug/l #	89
28) Bromochloromethane	5.02	49	108	Below Cal	#	21
31) Cyclohexane	5.66	56	4625	0.972	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16261	4.633	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19940	6.702	ug/l #	18
49) 1,4-Dioxane	7.68	88	23	0.342	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	73764	23.962	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73764	61.517	ug/l #	11

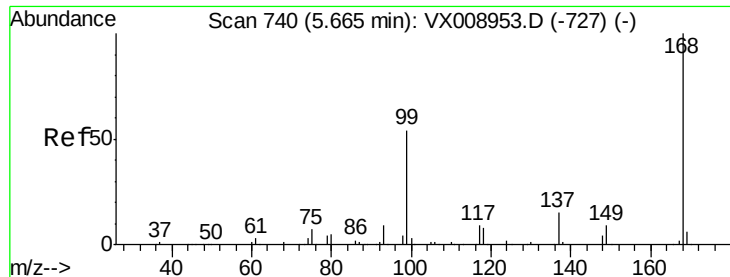
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009183.D

Acq: 26 Apr 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

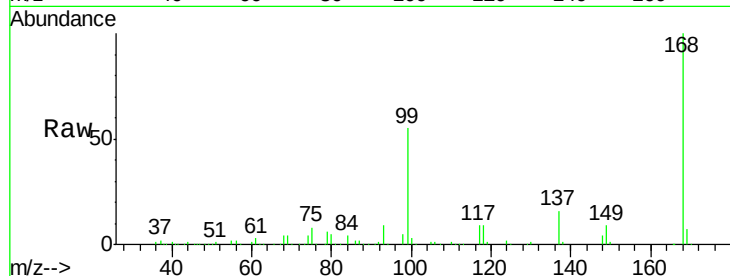
S81-TB-2019-1

Tot Ion:168 Resp: 211944

Ion Ratio Lower Upper

168 100

99 54.5 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

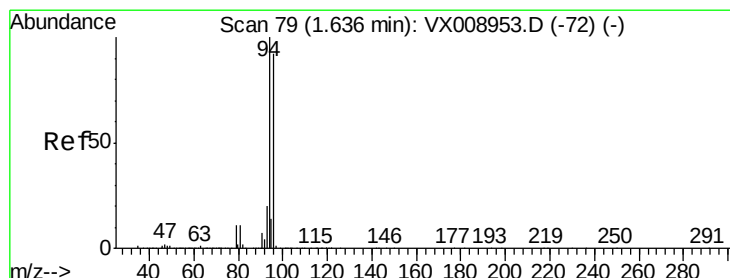
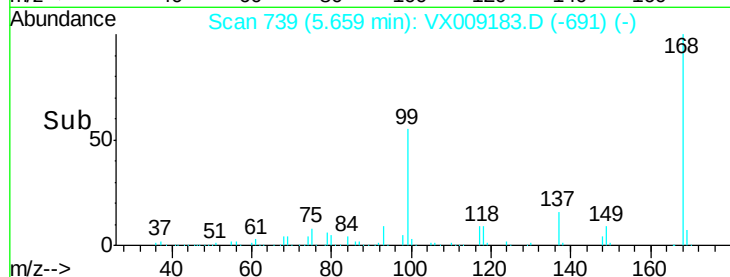
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#5

Bromomethane

Concen: 4.005 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009183.D

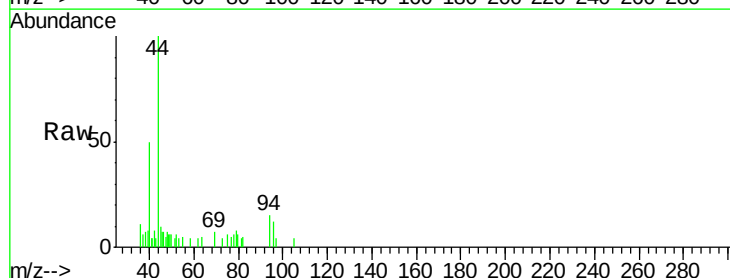
Acq: 26 Apr 2019 12:39

Tgt Ion: 94 Resp: 311

Ion Ratio Lower Upper

94 100

96 98.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

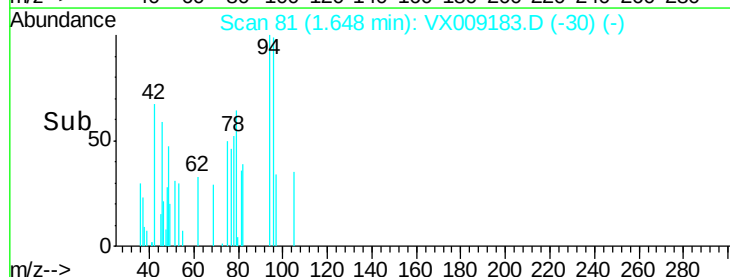
100

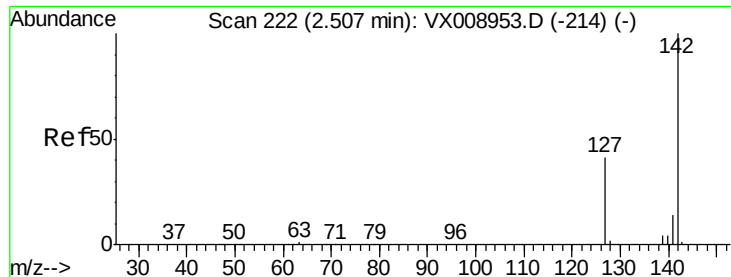
50

0

1.62 1.64 1.66

Time-->

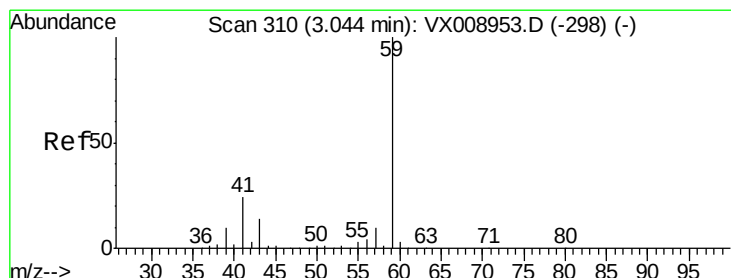
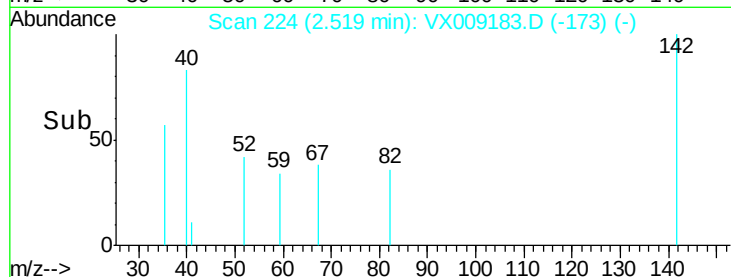
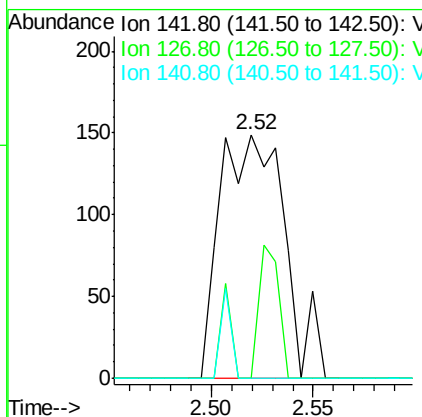
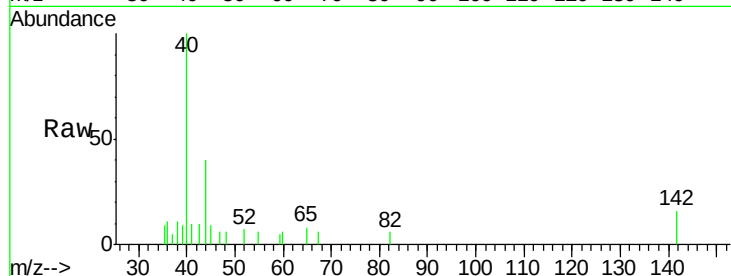




#10
Methvl Iodide
Concen: 4.540 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009183.D
Acq: 26 Apr 2019 12:39

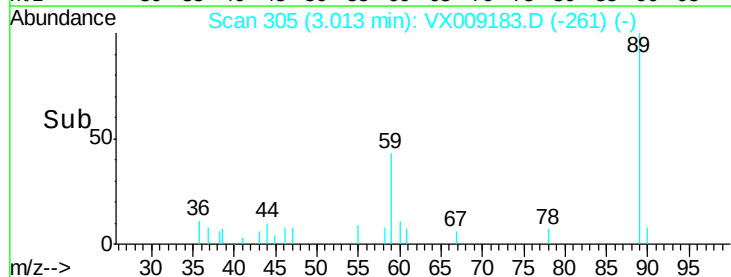
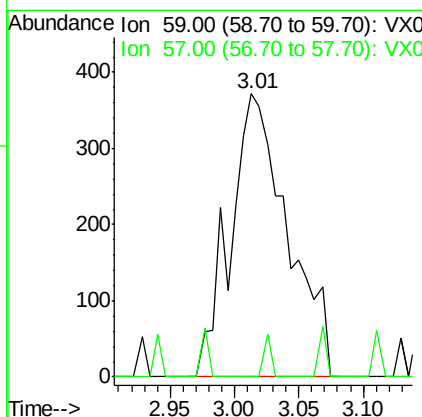
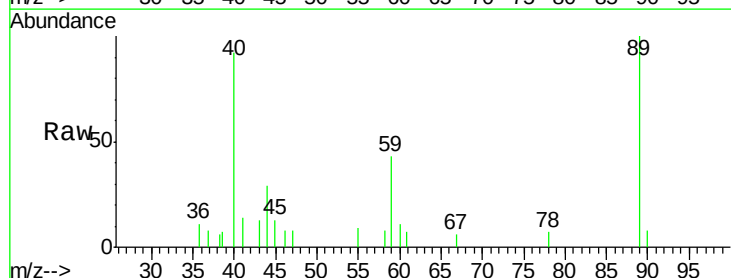
Instrument :
MSVOA_X
ClientSampleId :
S81-TB-2019-1

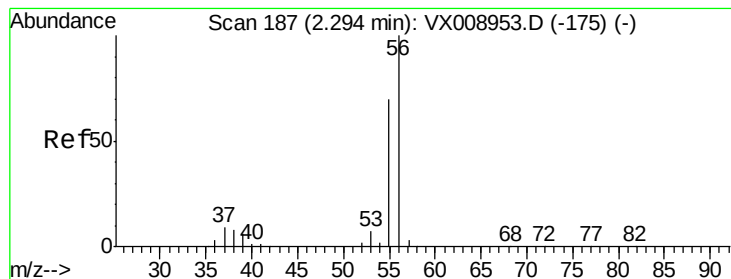
Tot Ion:142 Resp: 328
Ion Ratio Lower Upper
142 100
127 17.1 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.739 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.03 min
Lab File: VX009183.D
Acq: 26 Apr 2019 12:39

Tgt Ion: 59 Resp: 1153
Ion Ratio Lower Upper
59 100
57 1.7 8.4 12.6#





#13

Acrolein

Concen: 0.361 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

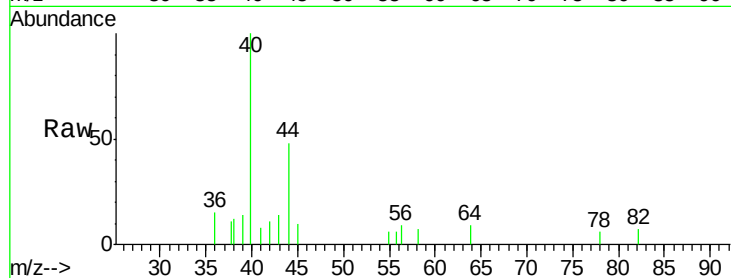
S81-TB-2019-1

Tot Ion: 56 Resp: 207

Ion Ratio Lower Upper

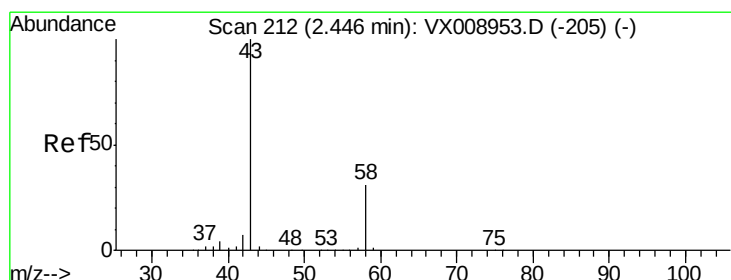
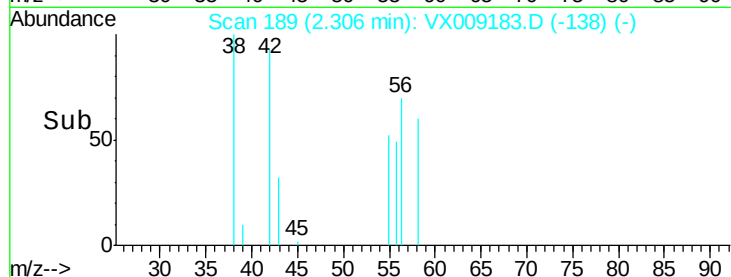
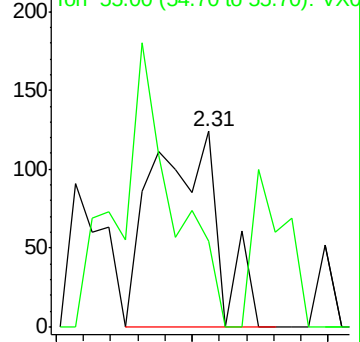
56 100

55 40.6 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.868 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009183.D

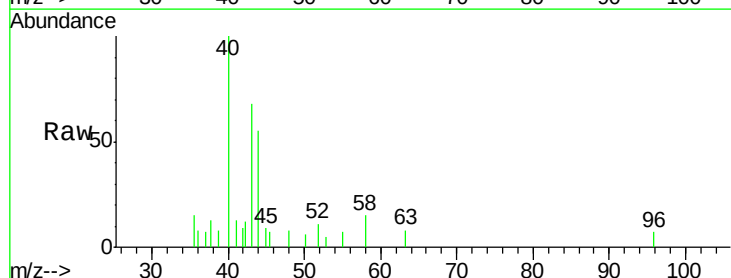
Acq: 26 Apr 2019 12:39

Tgt Ion: 43 Resp: 1345

Ion Ratio Lower Upper

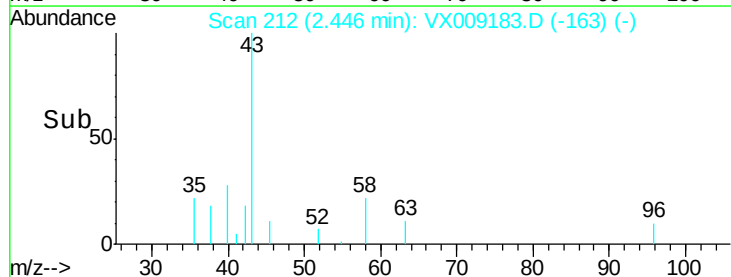
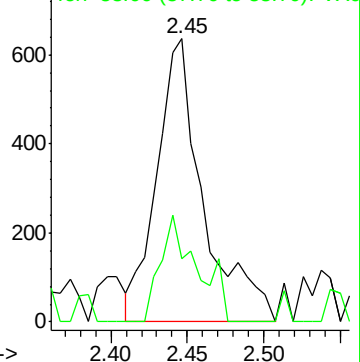
43 100

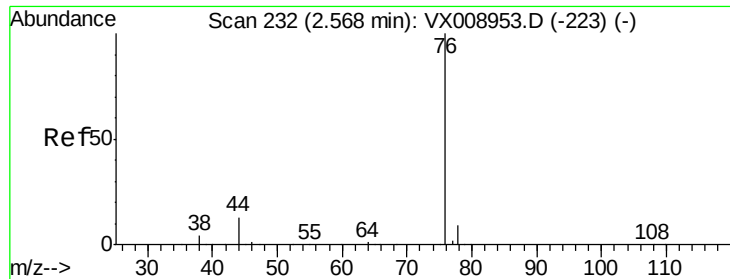
58 22.5 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.386 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

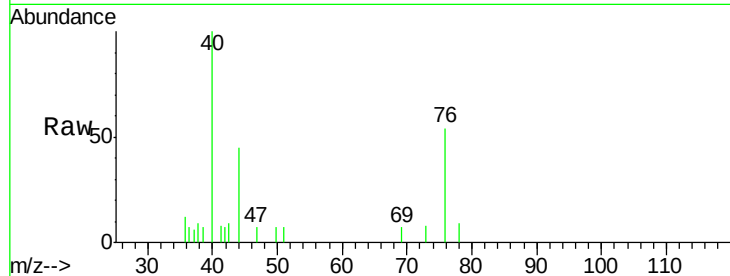
S81-TB-2019-1

Tot Ion: 76 Resp: 912

Ion Ratio Lower Upper

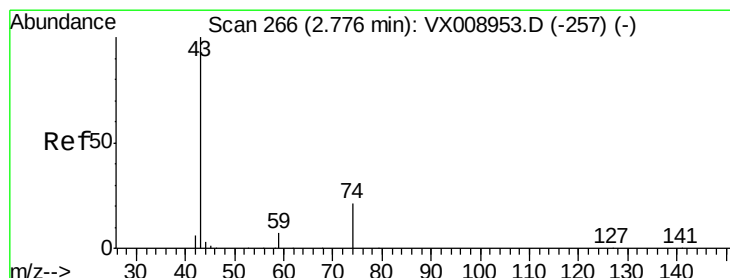
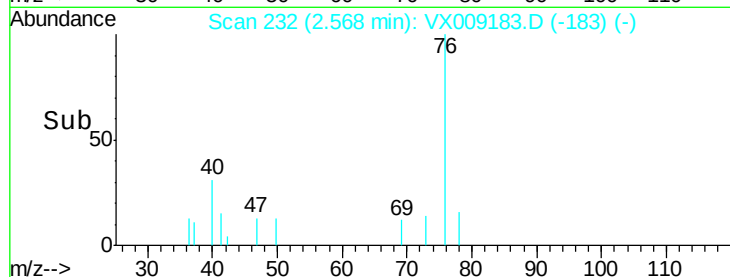
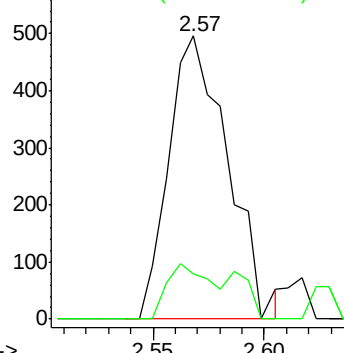
76 100

78 15.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.658 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009183.D

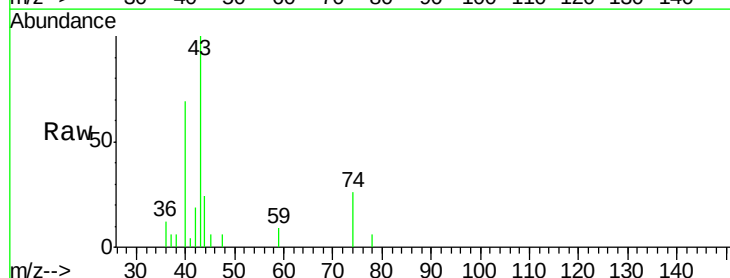
Acq: 26 Apr 2019 12:39

Tgt Ion: 43 Resp: 2542

Ion Ratio Lower Upper

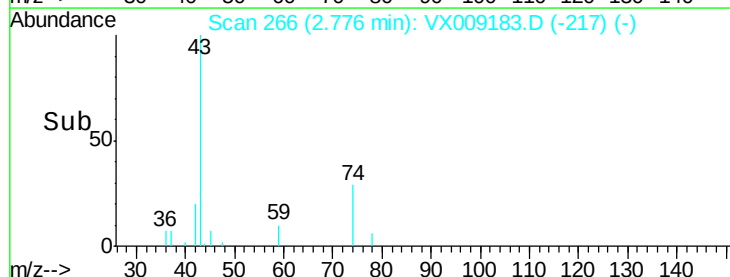
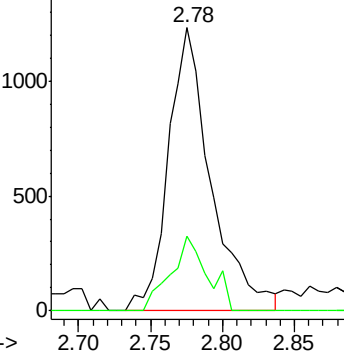
43 100

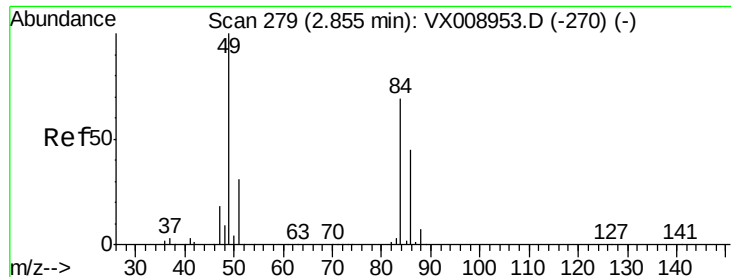
74 22.6 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

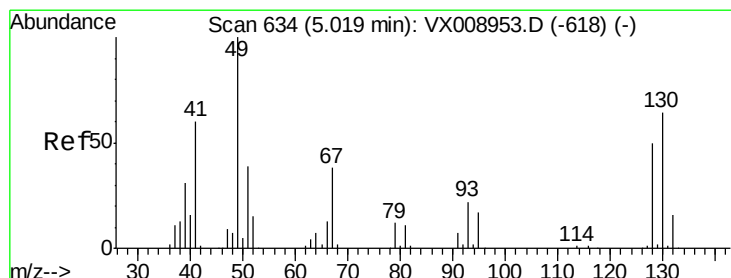
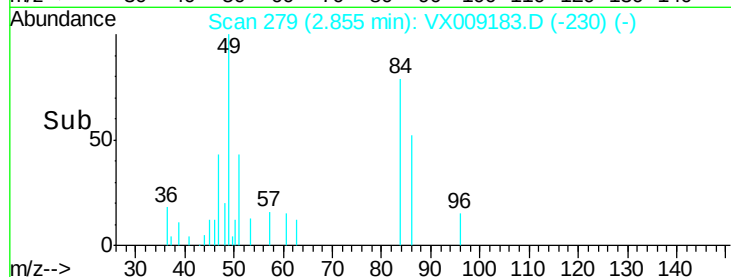
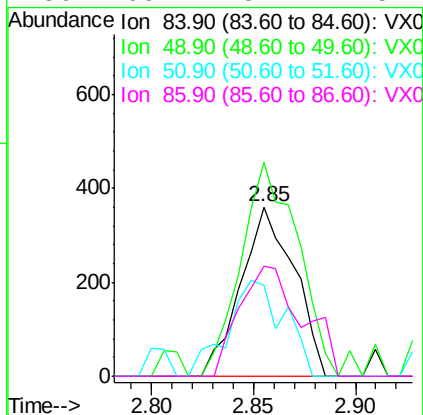
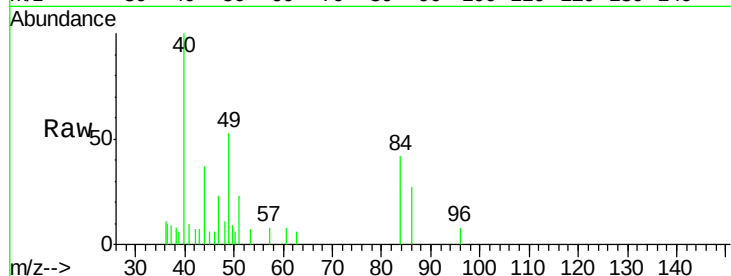




#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009183.D
Acq: 26 Apr 2019 12:39

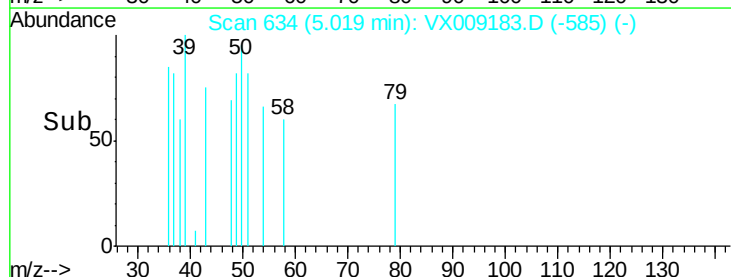
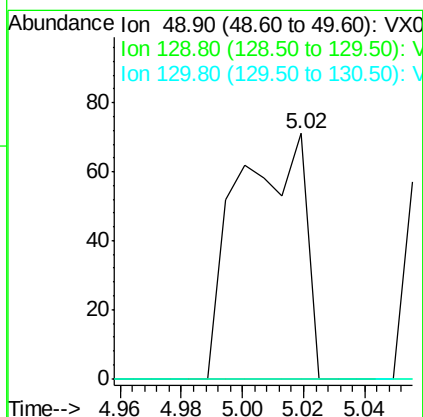
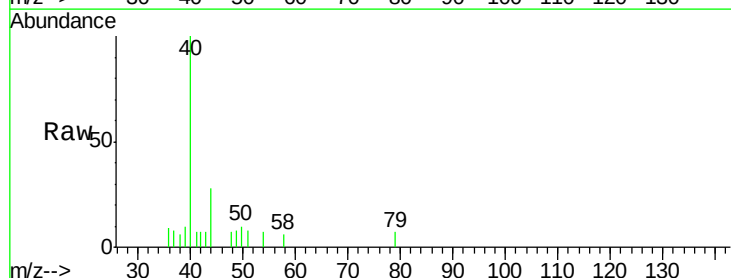
Instrument :
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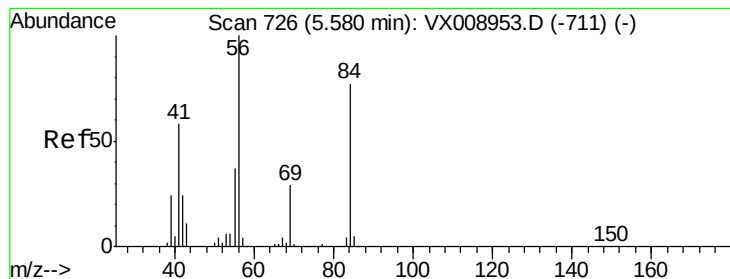
Tot Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 126.0 115.4 173.0
51 53.7 35.8 53.6#
86 65.1 52.1 78.1



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009183.D
Acq: 26 Apr 2019 12:39

Tgt Ion: 49 Resp: 108
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#





#31

Cyclohexane

Concen: 0.972 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

S81-TB-2019-1

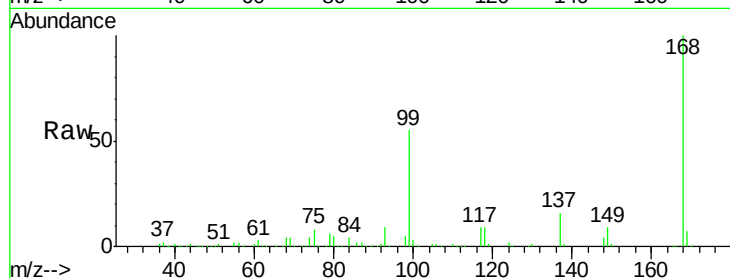
Tot Ion: 56 Resp: 4625

Ion Ratio Lower Upper

56 100

69 181.9 23.3 34.9#

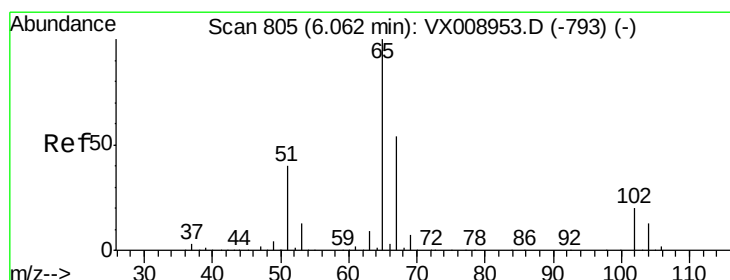
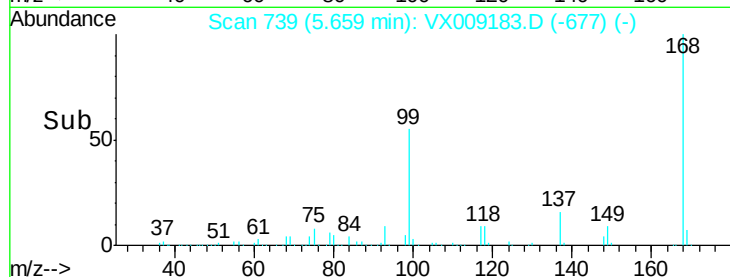
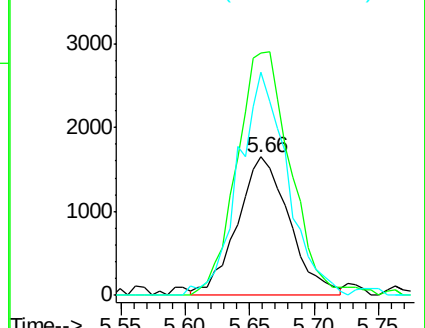
84 164.1 61.7 92.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.032 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009183.D

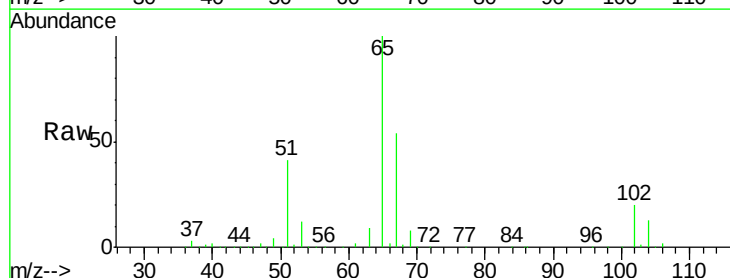
Acq: 26 Apr 2019 12:39

Tgt Ion: 65 Resp: 140480

Ion Ratio Lower Upper

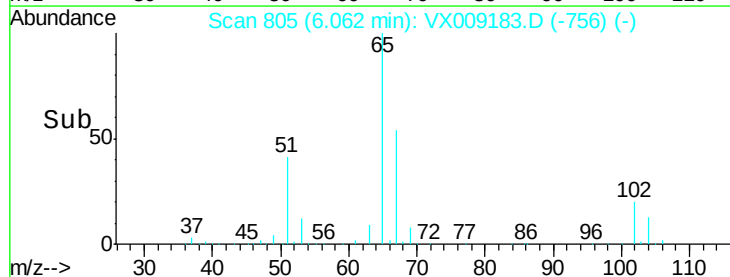
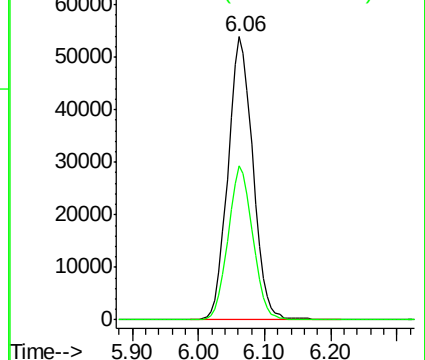
65 100

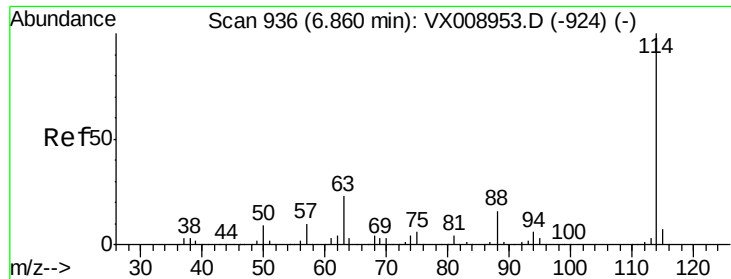
67 53.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

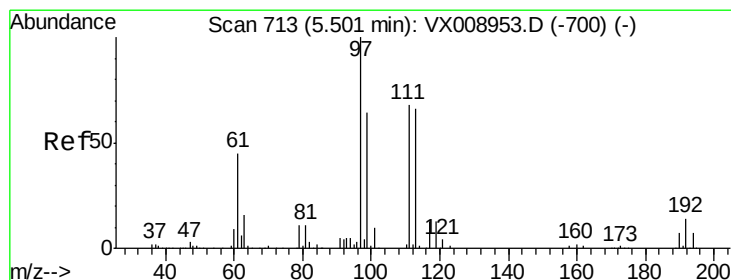
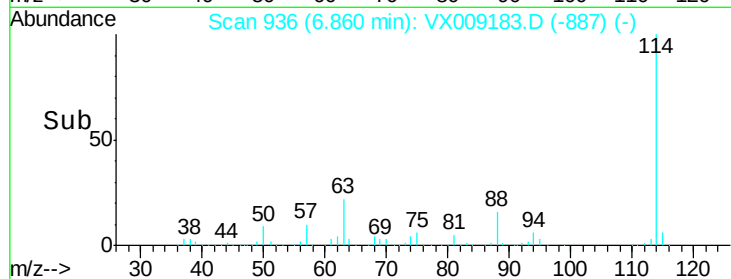
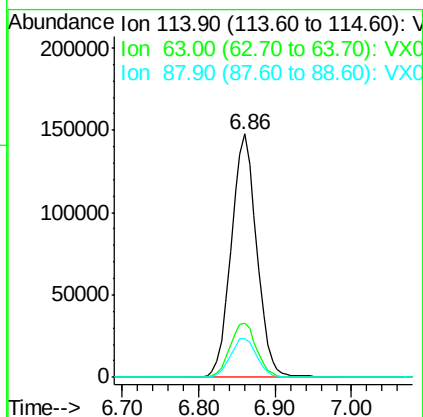
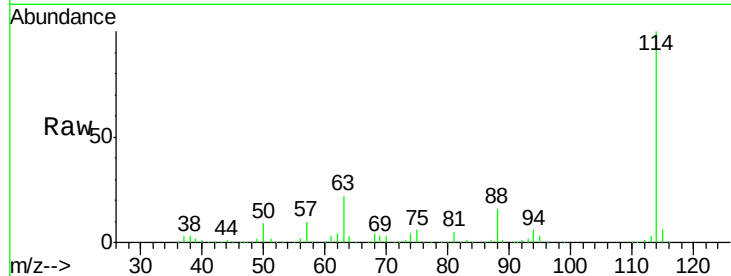




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009183.D
 Acq: 26 Apr 2019 12:39

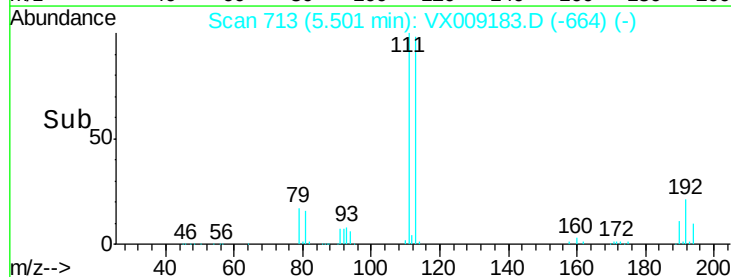
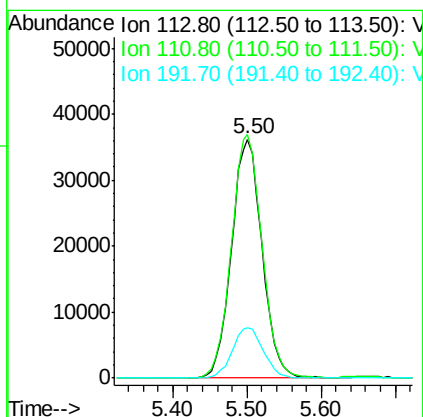
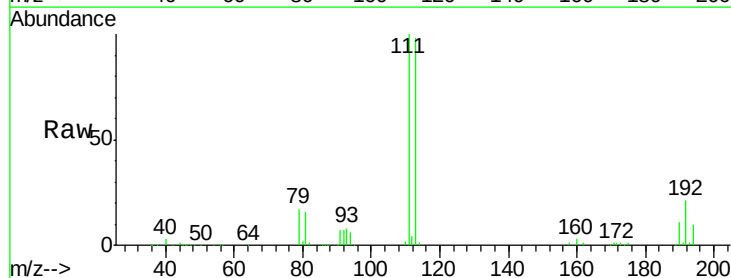
Instrument :
 MSVOA_X
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 S81-TB-2019-1

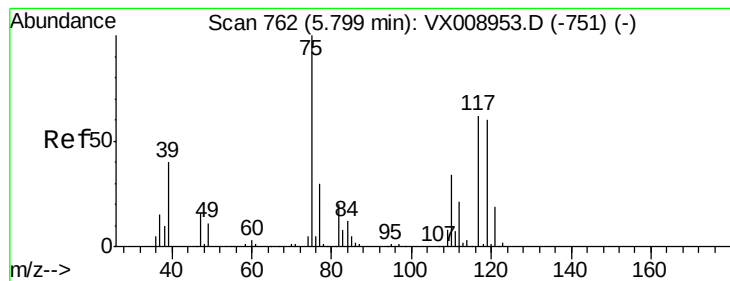
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.0
88	15.9	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 47.713 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009183.D
 Acq: 26 Apr 2019 12:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	21.5	17.4	26.0





#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

S81-TB-2019-1

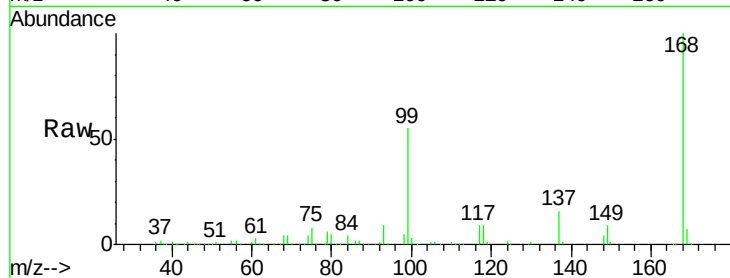
Tot Ion: 75 Resp: 16261

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

77 0.1 25.0 37.4#

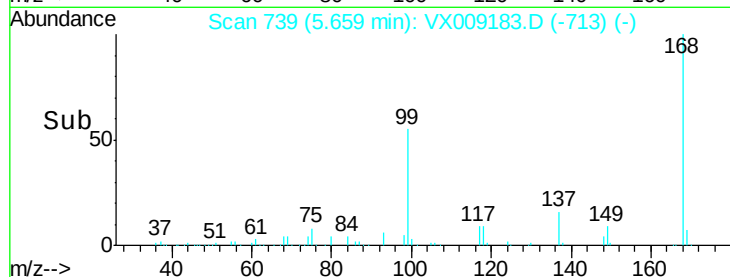


Abundance Ion 74.90 (74.60 to 75.60): VX008953.D (-751) (-)

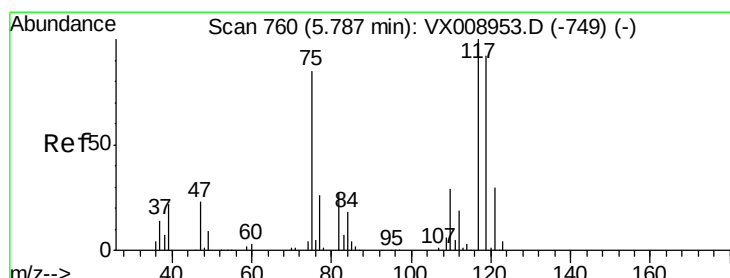
Ion 109.90 (109.60 to 110.60): VX008953.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX008953.D (-751) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.702 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

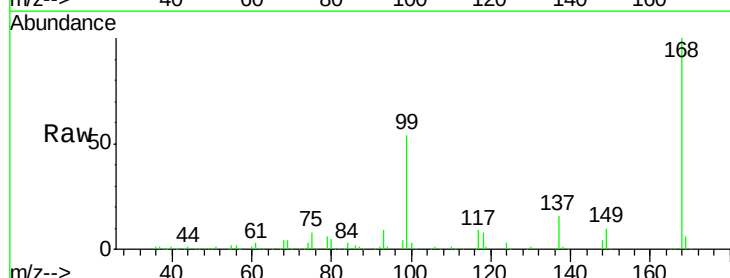
Tgt Ion: 117 Resp: 19940

Ion Ratio Lower Upper

117 100

119 5.6 73.8 110.8#

121 0.0 23.6 35.4#

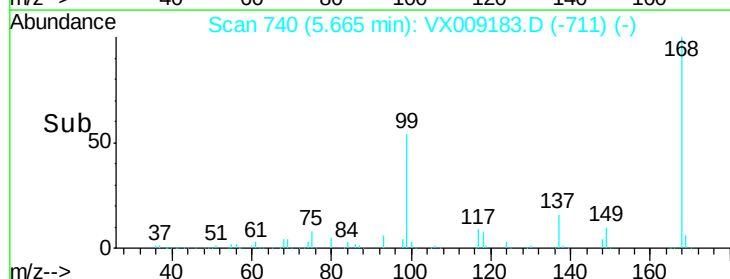


Abundance Ion 116.80 (116.50 to 117.50): VX008953.D (-749) (-)

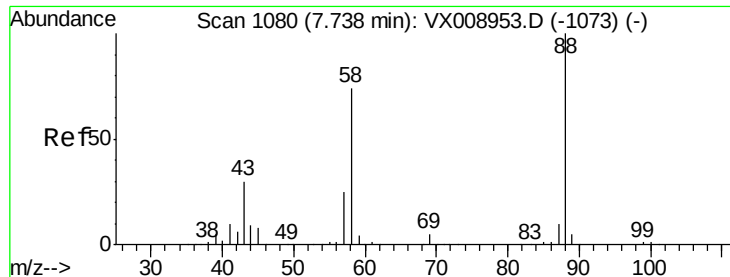
Ion 118.80 (118.50 to 119.50): VX008953.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008953.D (-749) (-)

Time-->



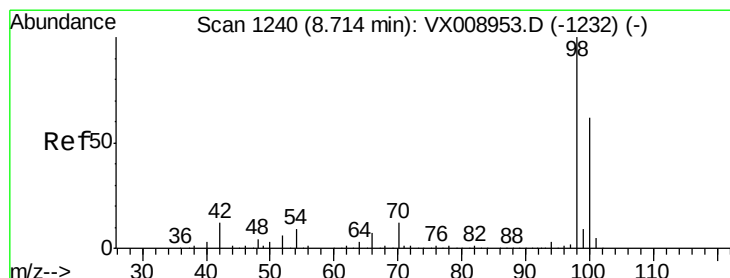
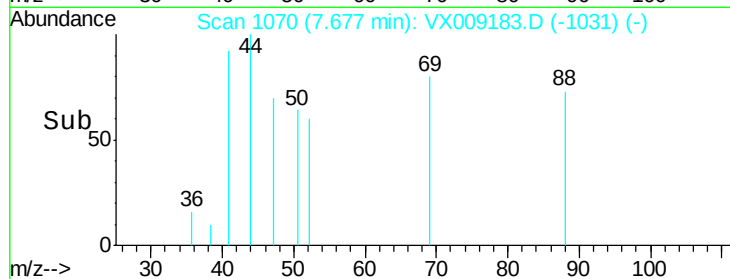
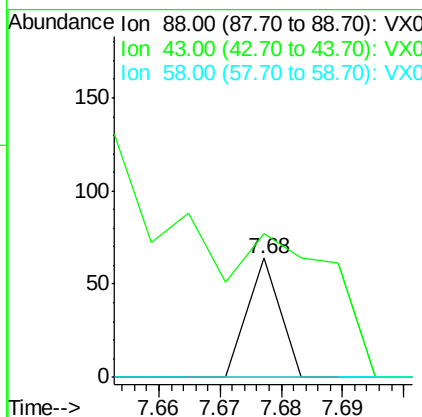
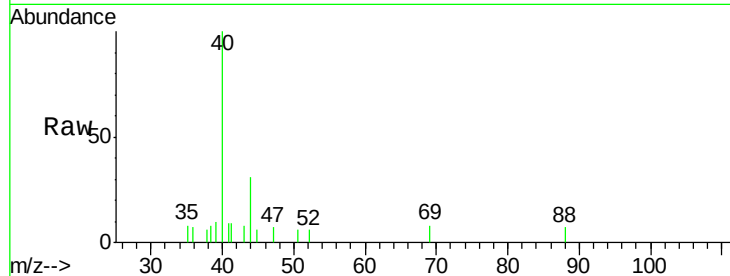
Time-->



#49
 1,4-Dioxane
 Concen: 0.342 ug/l
 RT: 7.68 min Scan# 1070
 Delta R.T. -0.06 min
 Lab File: VX009183.D
 Acq: 26 Apr 2019 12:39

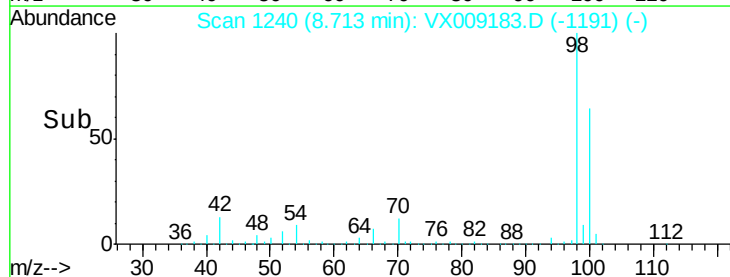
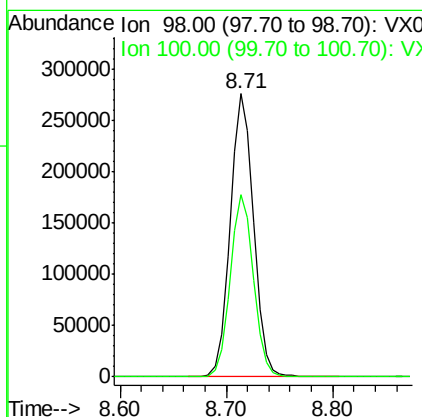
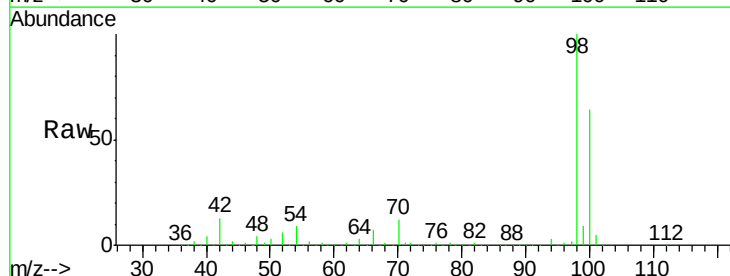
Instrument :
 MSVOA_X
 ClientSampleId :
 S81-TB-2019-1

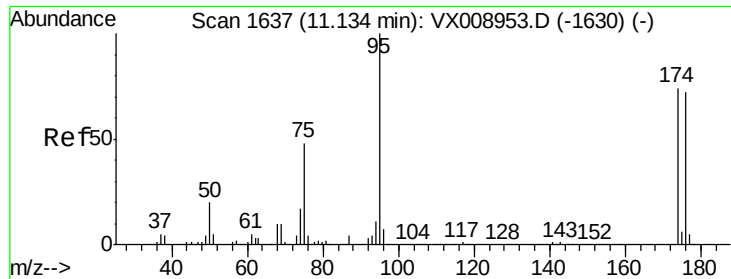
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.3	43.9#
58	0.0	62.6	93.8#



#50
 Toluene-d8
 Concen: 48.982 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009183.D
 Acq: 26 Apr 2019 12:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#62

4-Bromofluorobenzene

Concen: 46.147 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

S81-TB-2019-1

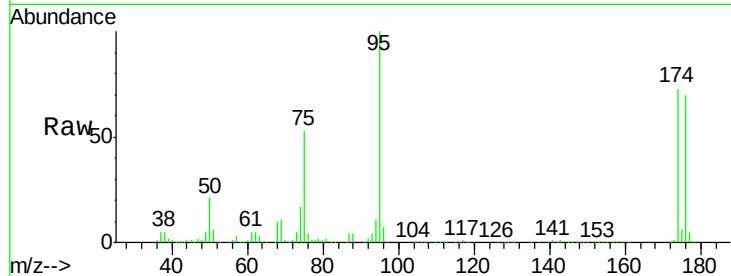
Tot Ion: 95 Resp: 141490

Ion Ratio Lower Upper

95 100

174 81.2 0.0 159.6

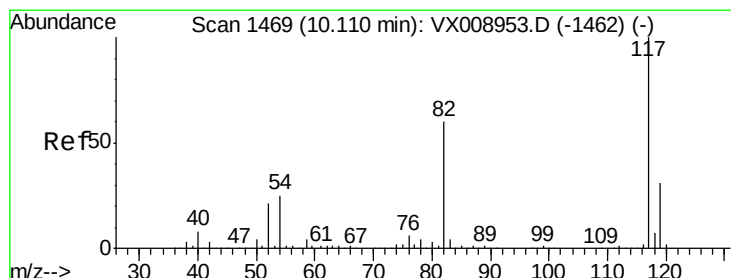
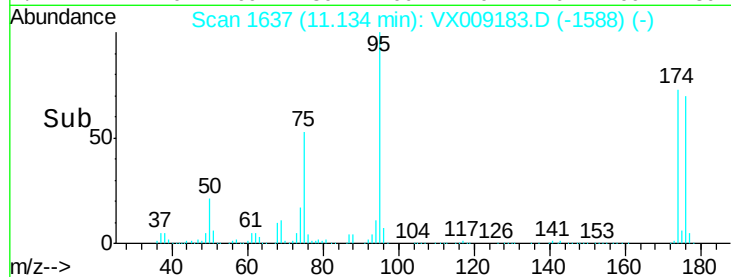
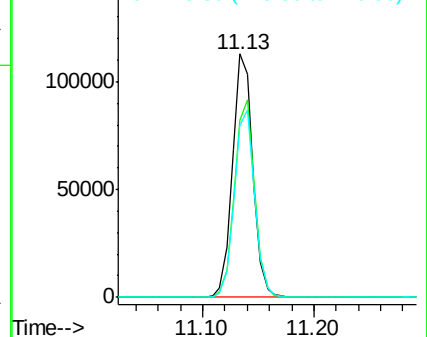
176 77.5 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

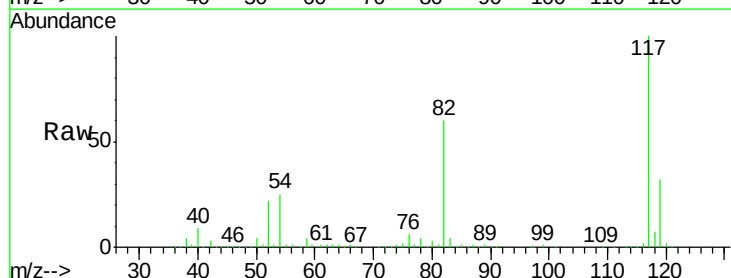
Tgt Ion: 117 Resp: 297332

Ion Ratio Lower Upper

117 100

82 59.9 48.2 72.4

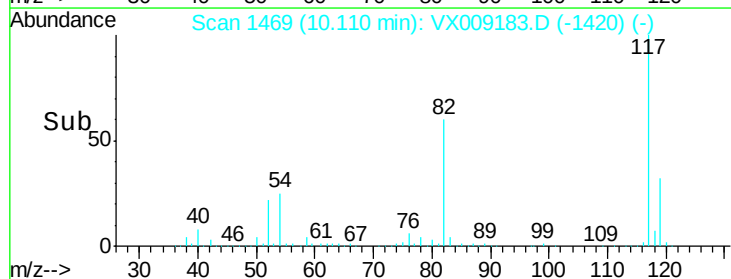
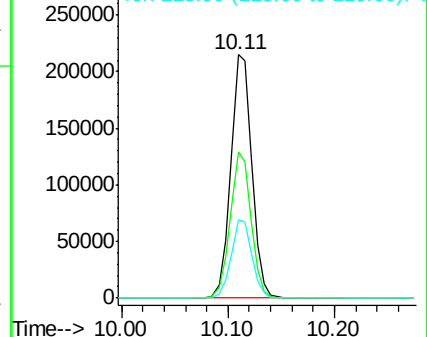
119 32.3 25.0 37.6

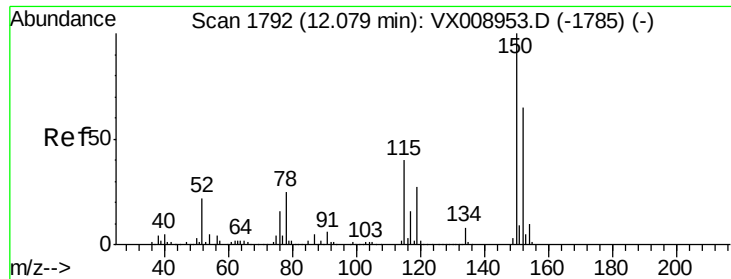


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)

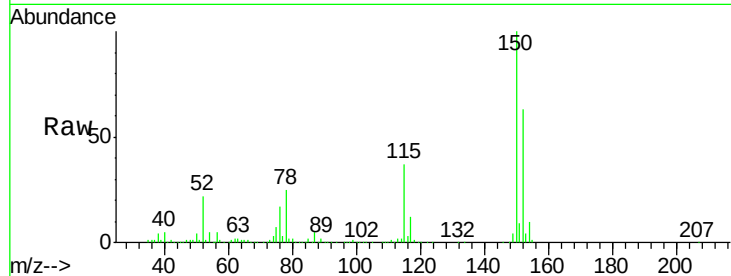




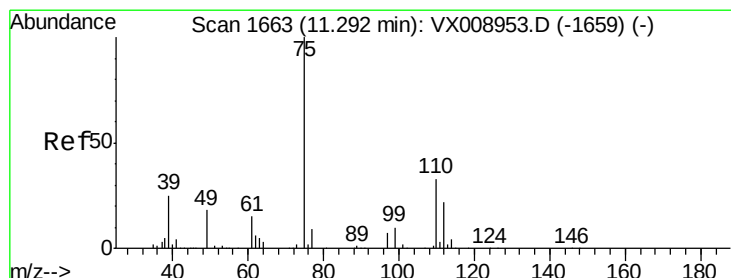
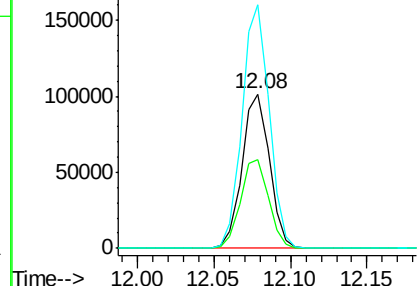
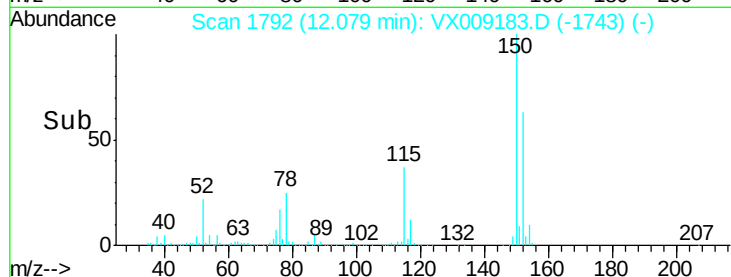
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX009183.D
 Acq: 26 Apr 2019 12:39

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

Tot Ion:152 Resp: 126070
 Ion Ratio Lower Upper
 152 100
 115 59.0 41.4 124.2
 150 156.2 0.0 349.8

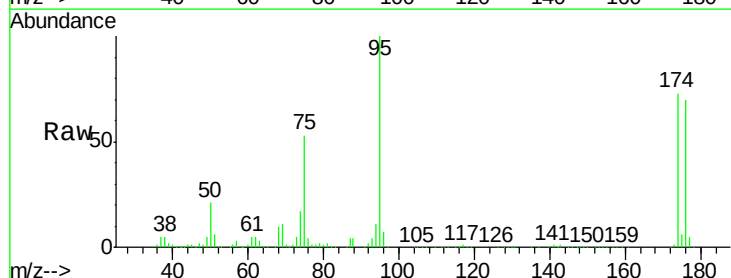


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

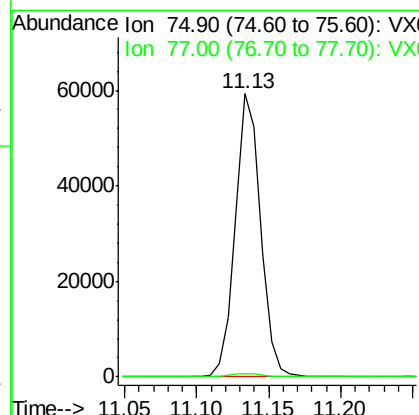
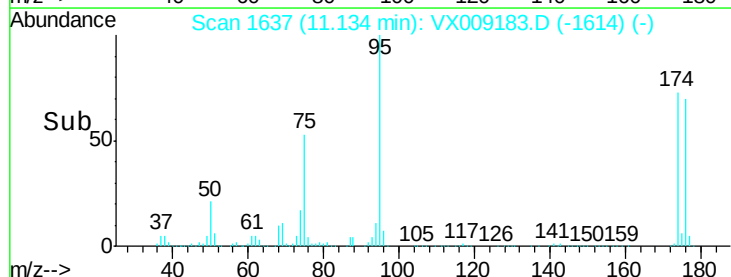


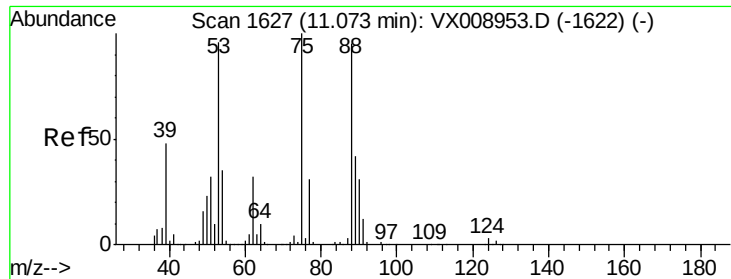
#76
 1,2,3-Trichloropropane
 Concen: 23.962 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009183.D
 Acq: 26 Apr 2019 12:39

Tgt Ion: 75 Resp: 73764
 Ion Ratio Lower Upper
 75 100
 77 1.3 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: 61.517 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009183.D

Acq: 26 Apr 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

S81-TB-2019-1

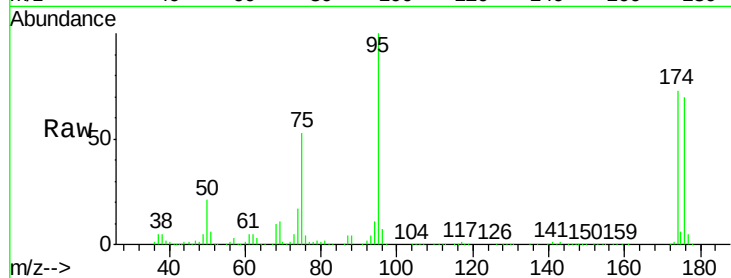
Tot Ion: 75 Resp: 73764

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 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

