

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010714.D
 Acq On : 08 Jul 2019 23:12
 Operator : JC/SP
 Sample : K3690-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB02-190703

Quant Time: Jul 09 01:15:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149117	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	114037	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
35) Dibromofluoromethane	5.50	113	107481	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	8.71	98	419907	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.13	95	142719	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	

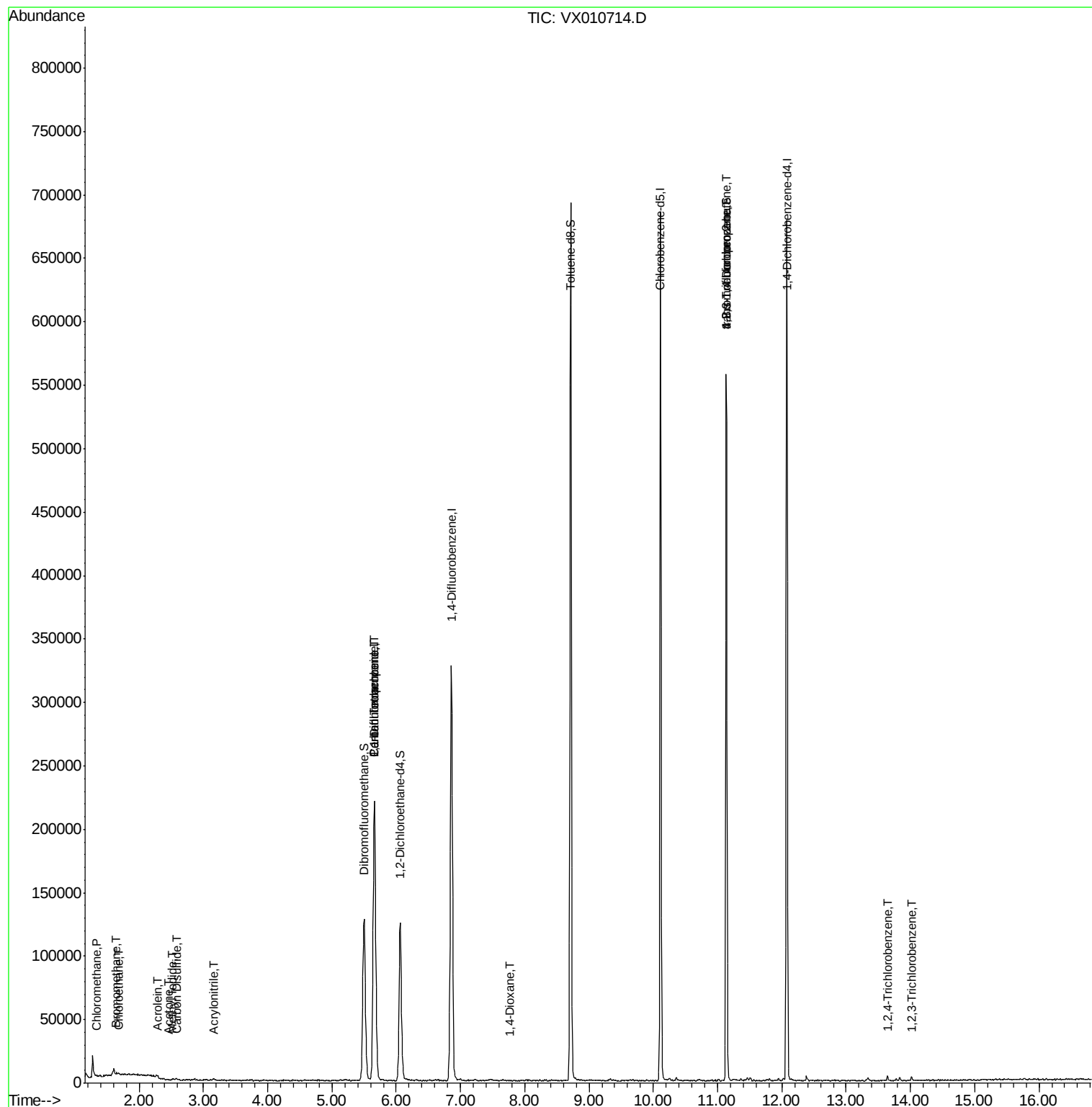
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	617	0.332	ug/l #	73
5) Bromomethane	1.65	94	934	0.941	ug/l #	65
6) Chloroethane	1.69	64	2370	1.972	ug/l #	55
10) Methyl Iodide	2.51	142	1135	0.406	ug/l	91
13) Acrolein	2.29	56	534	1.428	ug/l #	81
15) Acrylonitrile	3.17	53	415	0.372	ug/l	96
16) Acetone	2.45	43	472	0.437	ug/l	97
17) Carbon Disulfide	2.57	76	1801	0.337	ug/l #	88
36) 1,1-Dichloropropene	5.66	75	14477	5.152	ug/l #	48
38) Carbon Tetrachloride	5.66	117	20925	6.876	ug/l #	15
49) 1,4-Dioxane	7.76	88	19	0.297	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70117	25.804	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70117	60.198	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	730	0.215	ug/l	84
96) 1,2,3-Trichlorobenzene	14.02	180	683	0.202	ug/l	93

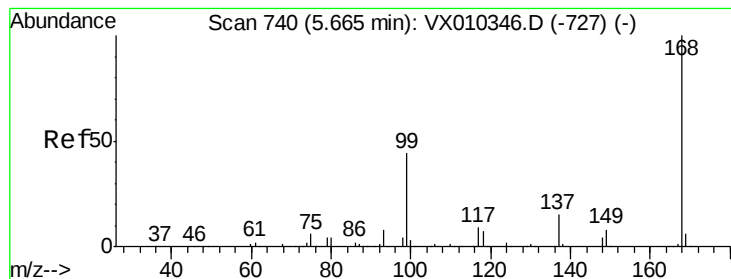
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
Data File : VX010714.D
Acq On : 08 Jul 2019 23:12
Operator : JC/SP
Sample : K3690-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
S8-TB02-190703

Quant Time: Jul 09 01:15:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

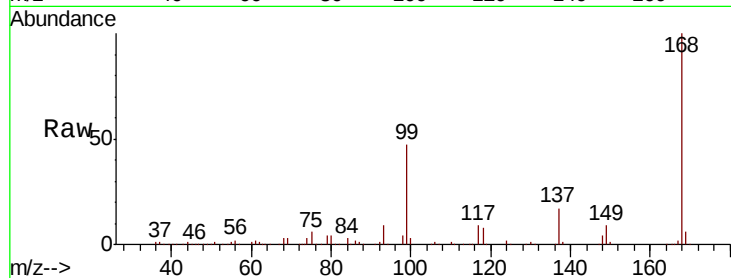
S8-TB02-190703

Tot Ion:168 Resp: 229749

Ion Ratio Lower Upper

168 100

99 47.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

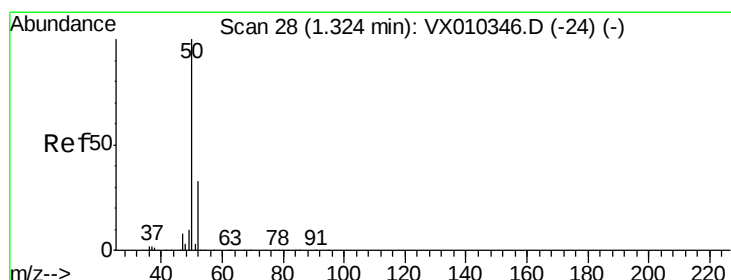
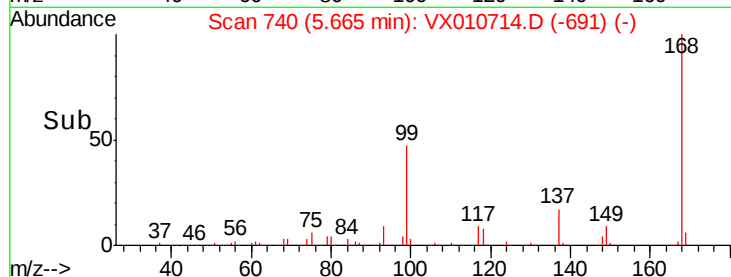
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.332 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX010714.D

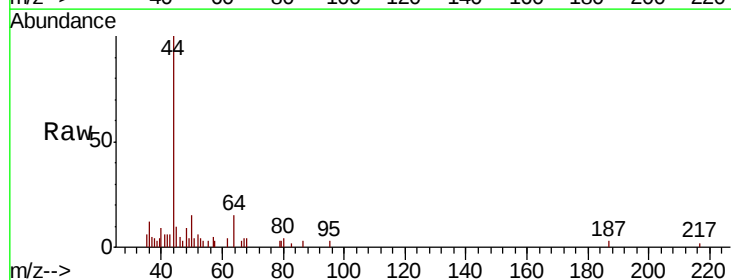
Acq: 08 Jul 2019 23:12

Tgt Ion: 50 Resp: 617

Ion Ratio Lower Upper

50 100

52 48.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

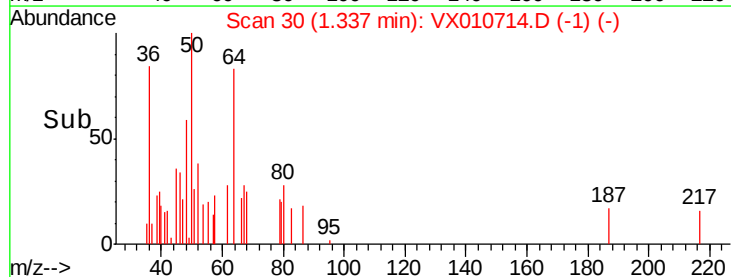
300

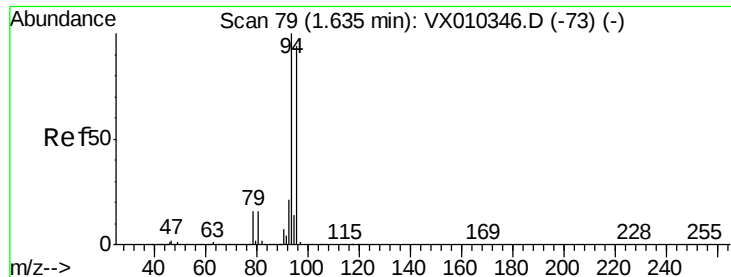
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.941 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

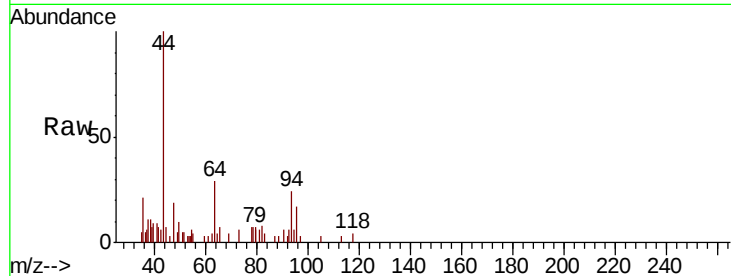
S8-TB02-190703

Tot Ion: 94 Resp: 934

Ion Ratio Lower Upper

94 100

96 60.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

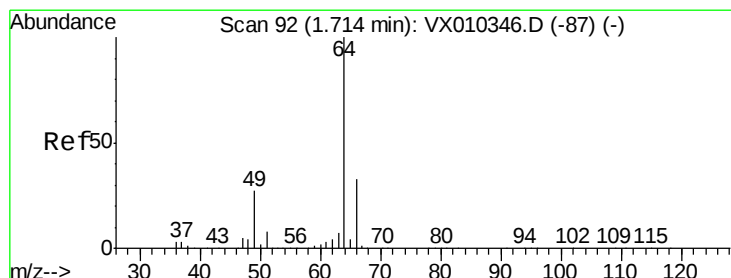
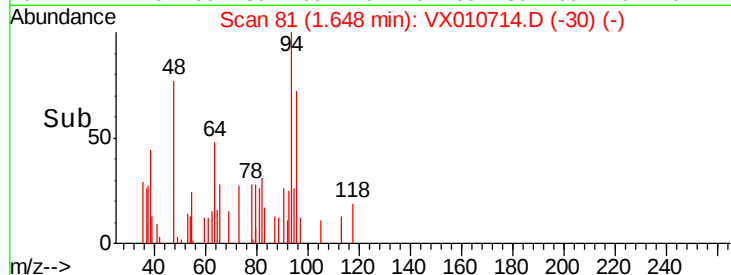
200

100

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 1.972 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010714.D

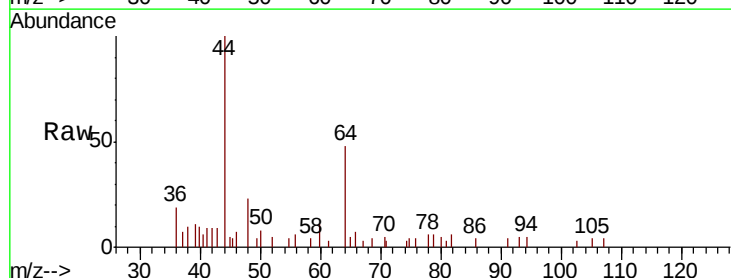
Acq: 08 Jul 2019 23:12

Tgt Ion: 64 Resp: 2370

Ion Ratio Lower Upper

64 100

66 8.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

800

600

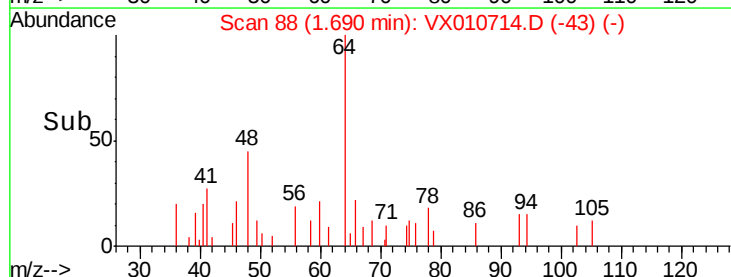
400

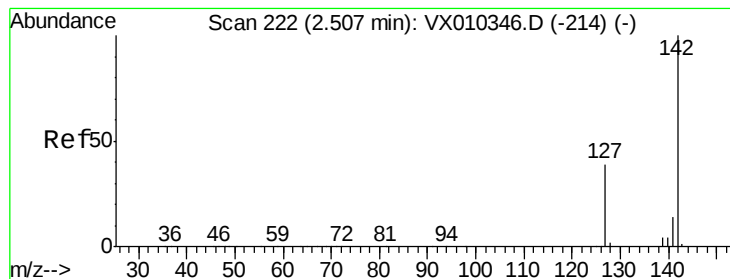
200

0

1.55 1.60 1.65 1.70

Time-->





#10

Methvl Iodide

Concen: 0.406 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

S8-TB02-190703

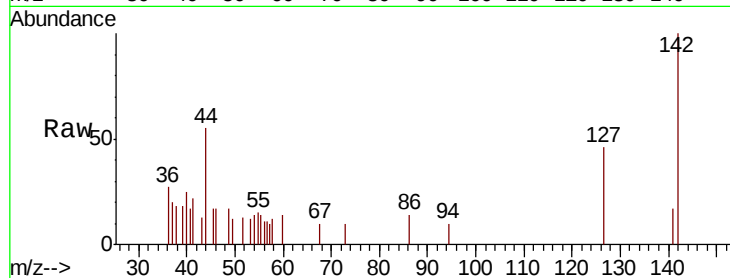
Tot Ion:142 Resp: 1135

Ion Ratio Lower Upper

142 100

127 45.4 31.1 46.7

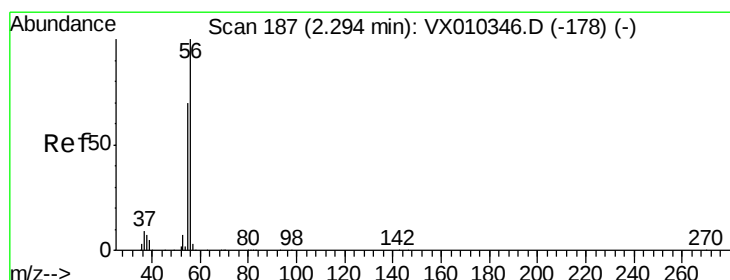
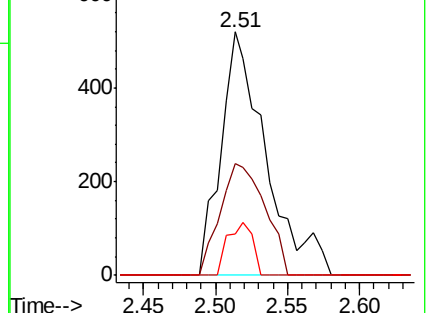
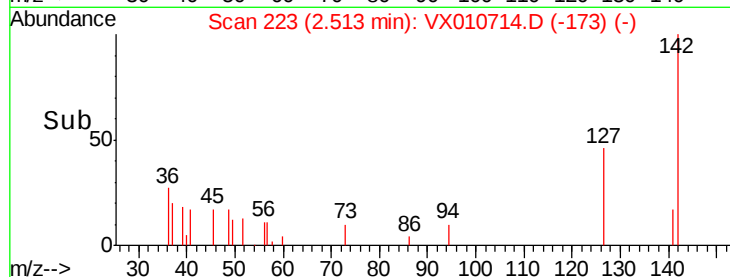
141 12.0 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 1.428 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010714.D

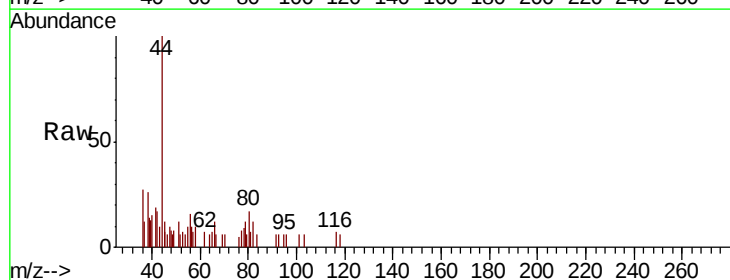
Acq: 08 Jul 2019 23:12

Tgt Ion: 56 Resp: 534

Ion Ratio Lower Upper

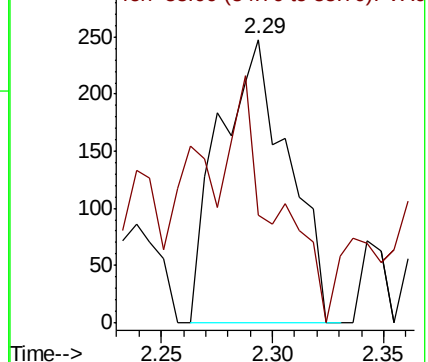
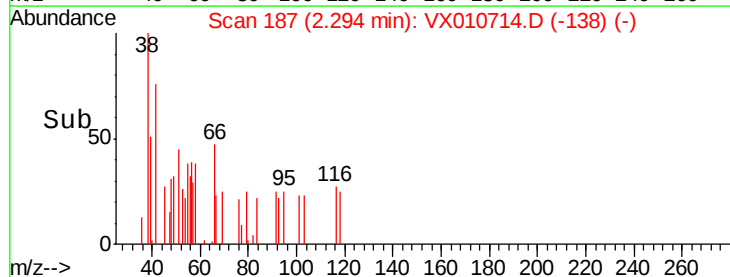
56 100

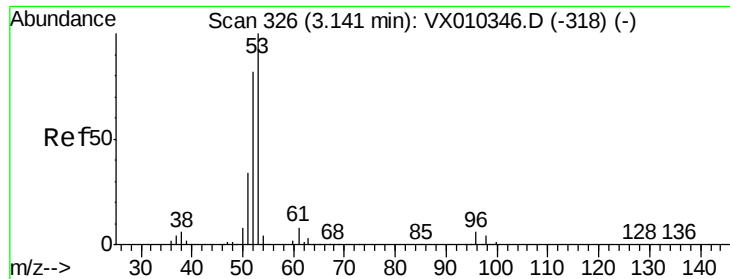
55 55.4 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.372 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

S8-TB02-190703

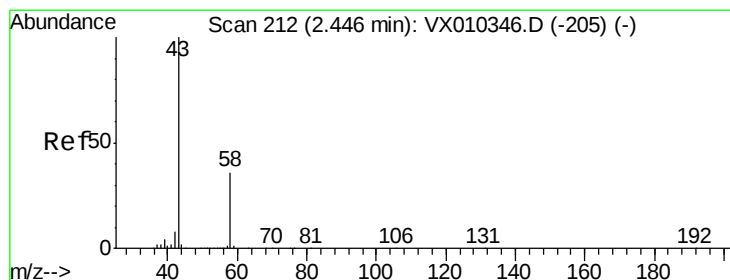
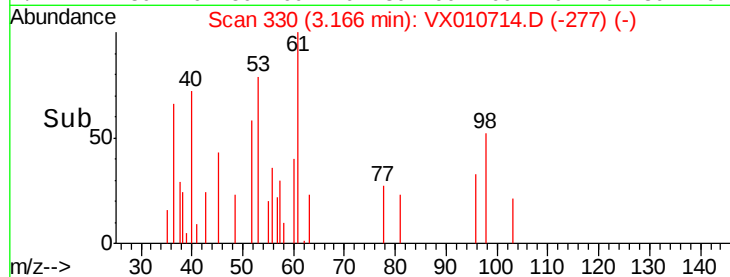
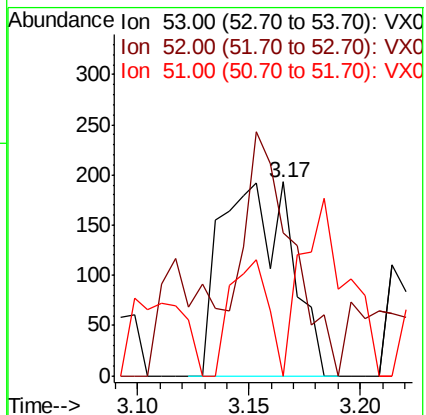
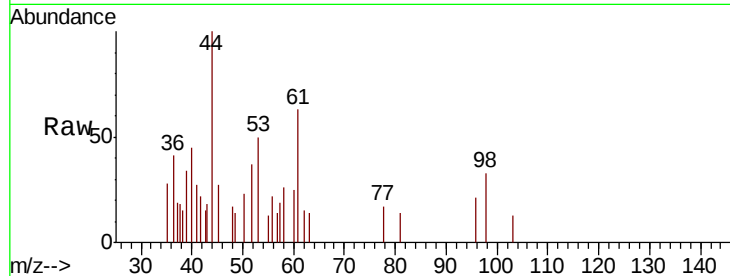
Tot Ion: 53 Resp: 415

Ion Ratio Lower Upper

53 100

52 85.1 65.5 98.3

51 32.8 28.2 42.4



#16

Acetone

Concen: 0.437 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010714.D

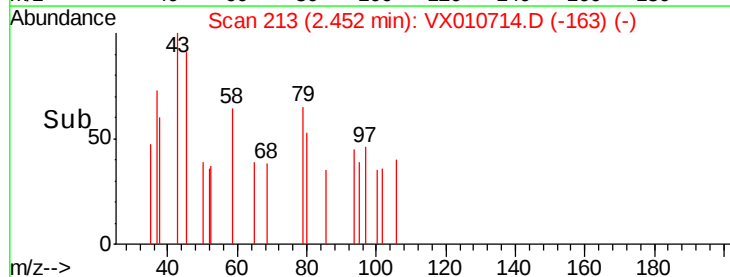
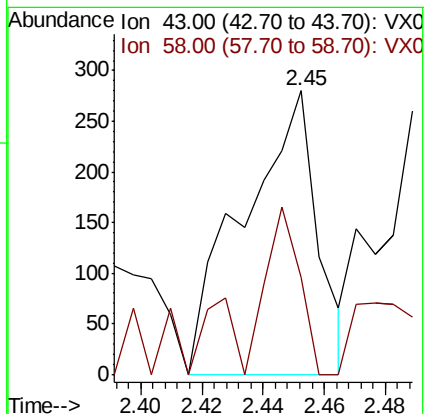
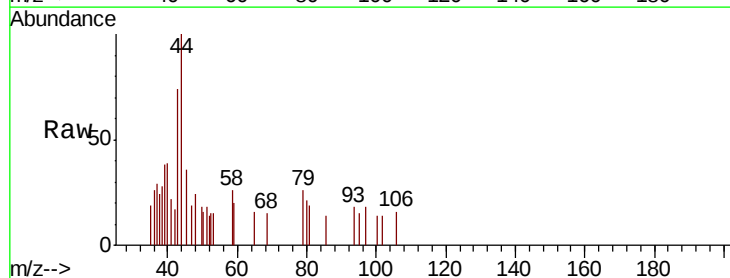
Acq: 08 Jul 2019 23:12

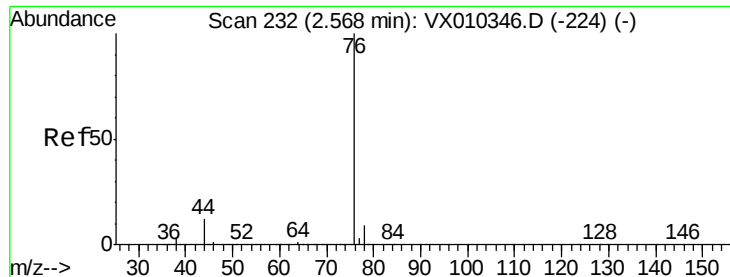
Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

58 34.3 28.9 43.3





#17

Carbon Disulfide

Concen: 0.337 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

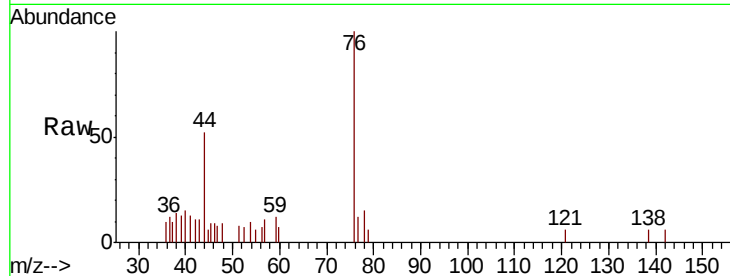
S8-TB02-190703

Tot Ion: 76 Resp: 1801

Ion Ratio Lower Upper

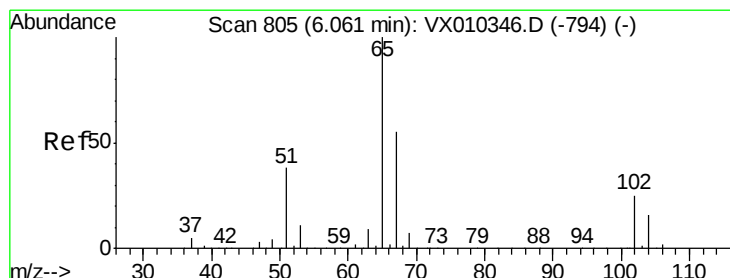
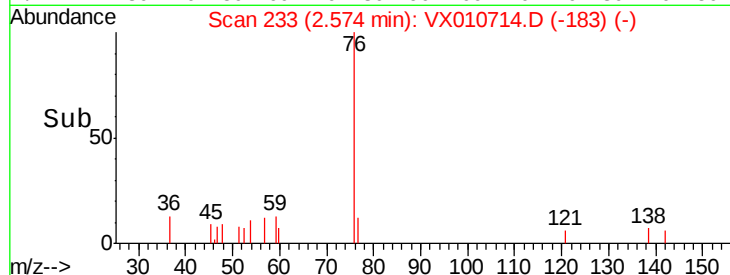
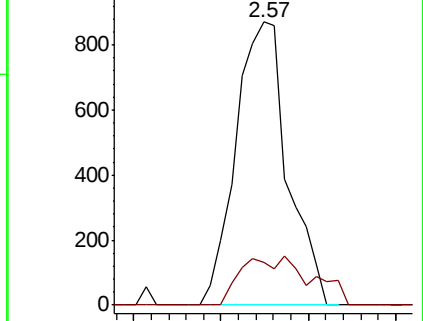
76 100

78 13.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.939 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010714.D

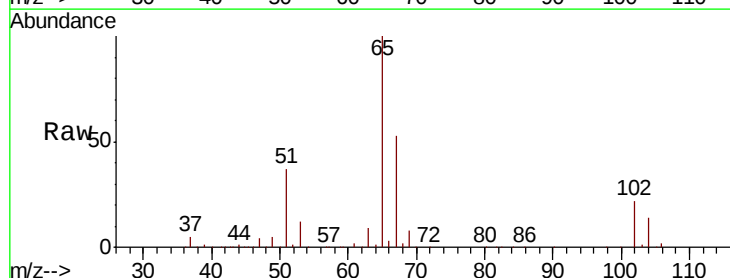
Acq: 08 Jul 2019 23:12

Tgt Ion: 65 Resp: 114037

Ion Ratio Lower Upper

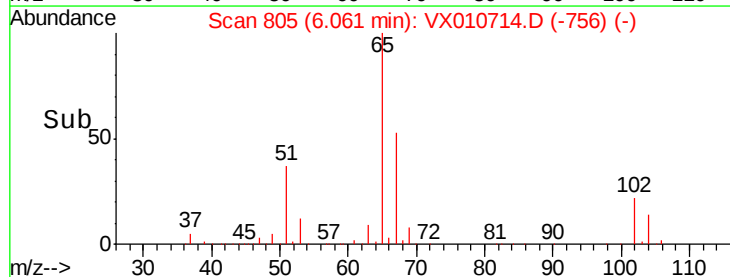
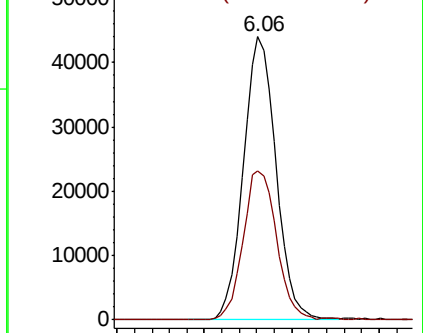
65 100

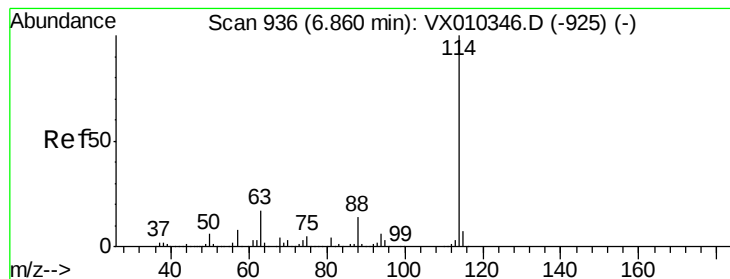
67 54.1 0.0 110.2



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: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

S8-TB02-190703

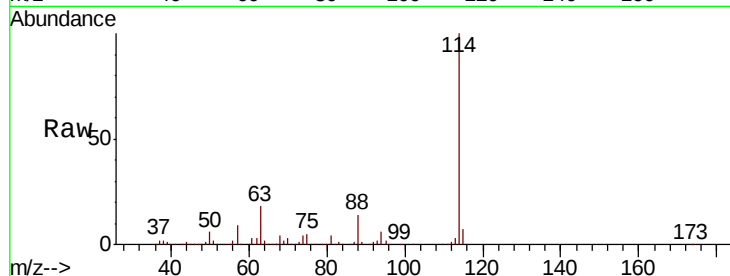
Tot Ion:114 Resp: 353637

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

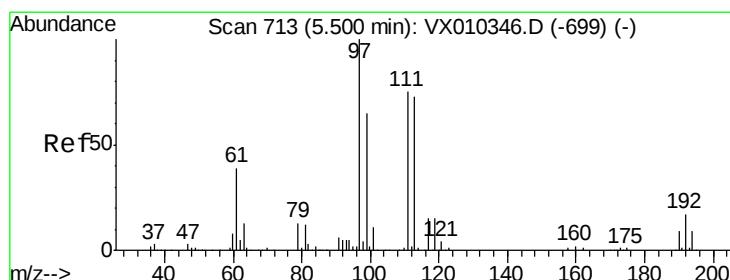
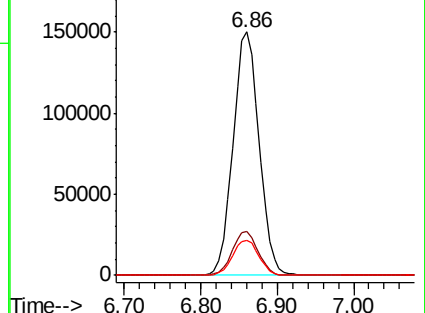
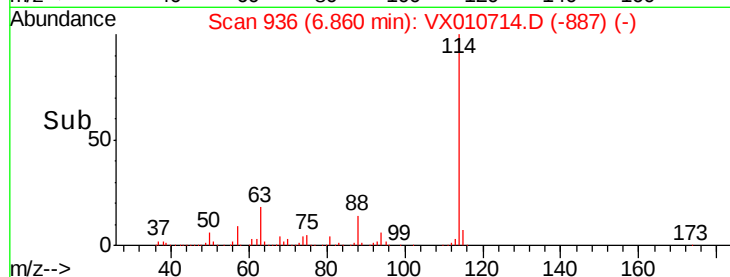
88 14.3 0.0 27.6



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: 49.675 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

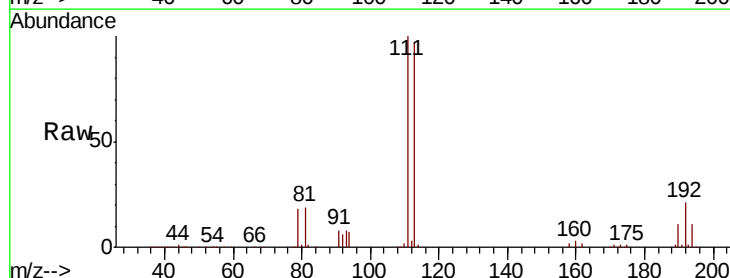
Tgt Ion:113 Resp: 107481

Ion Ratio Lower Upper

113 100

111 103.4 81.2 121.8

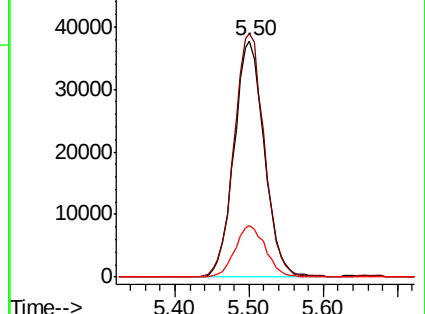
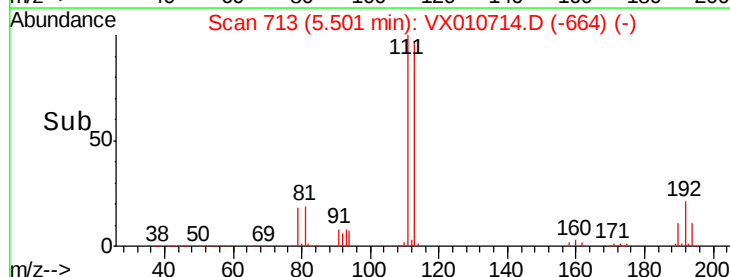
192 22.0 18.6 27.8

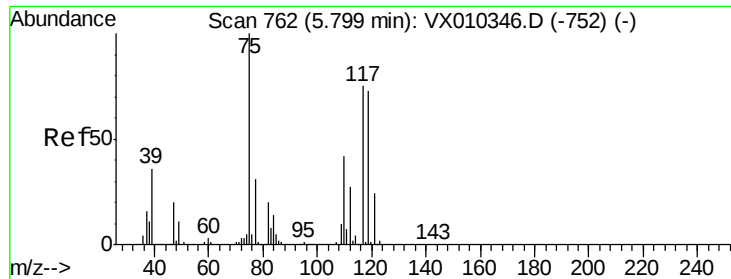


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.152 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampled :

S8-TB02-190703

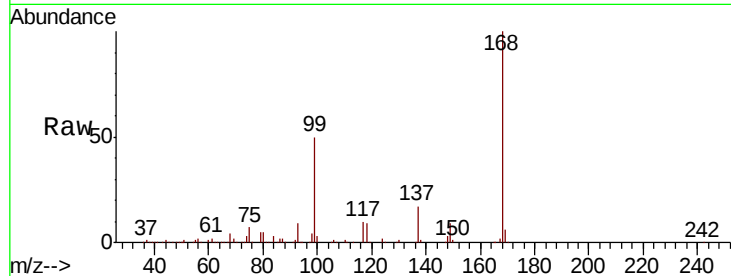
Tot Ion: 75 Resp: 14477

Ion Ratio Lower Upper

75 100

110 11.5 20.8 62.2#

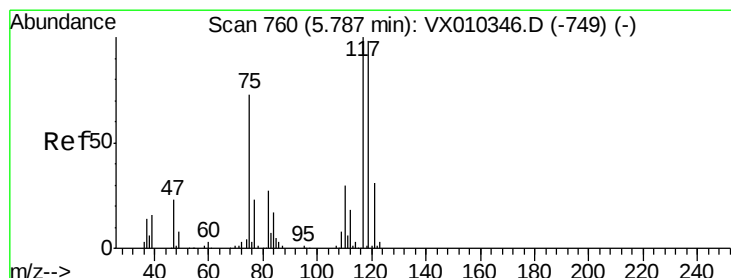
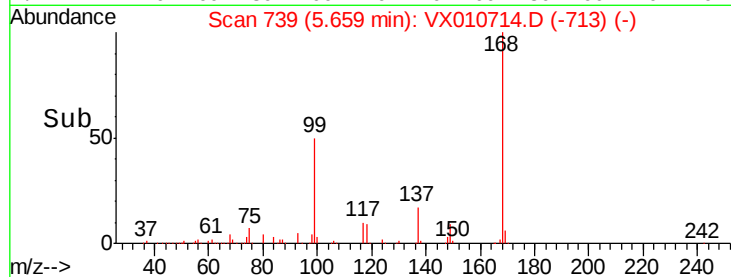
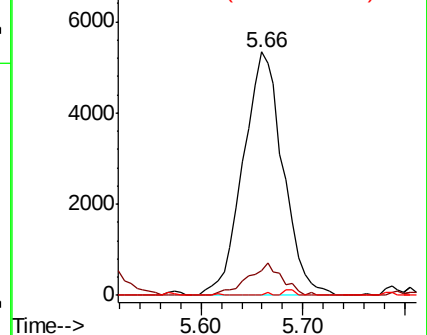
77 0.2 25.4 38.0#



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: 6.876 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

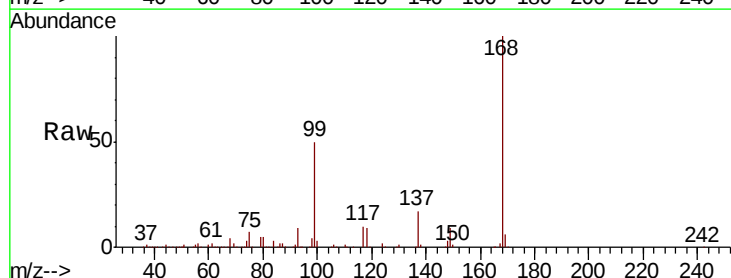
Tgt Ion: 117 Resp: 20925

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.4#

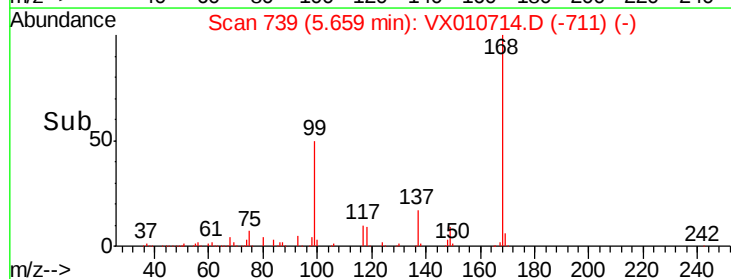
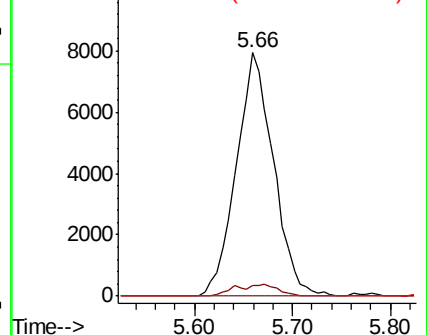
121 0.0 24.7 37.1#

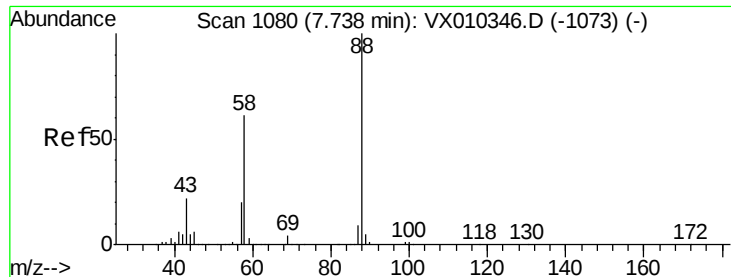


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

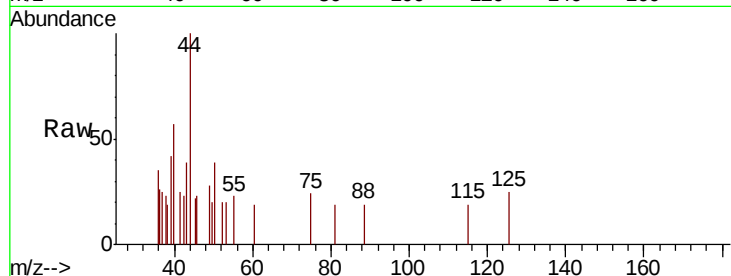




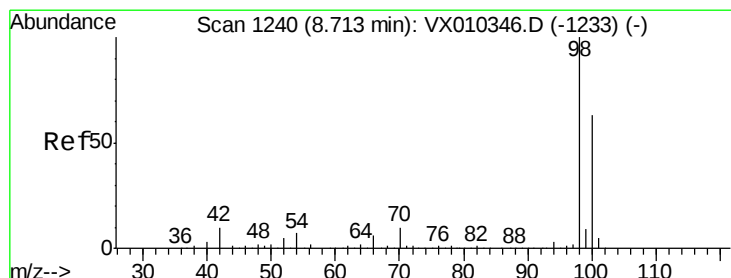
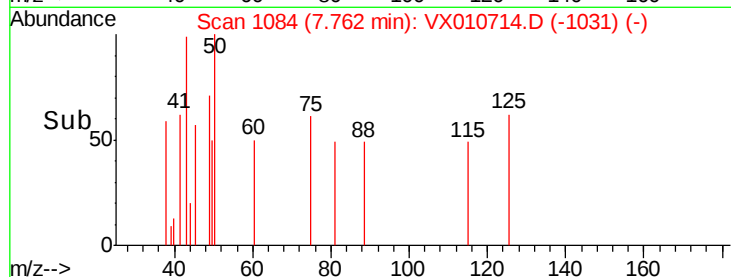
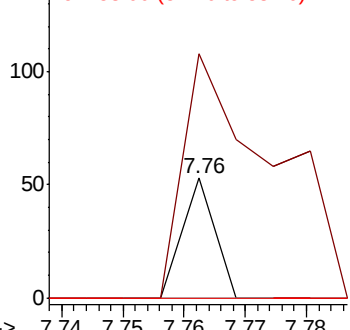
#49
1,4-Dioxane
Concen: 0.297 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010714.D
Acq: 08 Jul 2019 23:12

Instrument :
MSVOA_X
ClientSampleId :
S8-TB02-190703

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 578.9 20.2 30.2#
58 0.0 49.5 74.3#

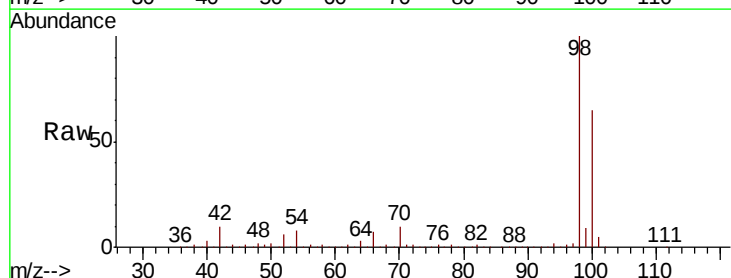


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

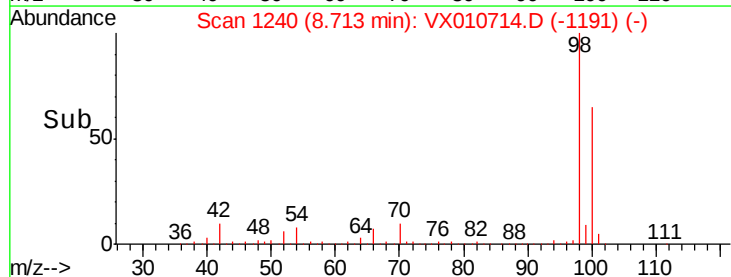
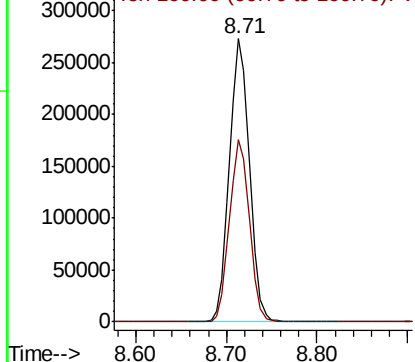


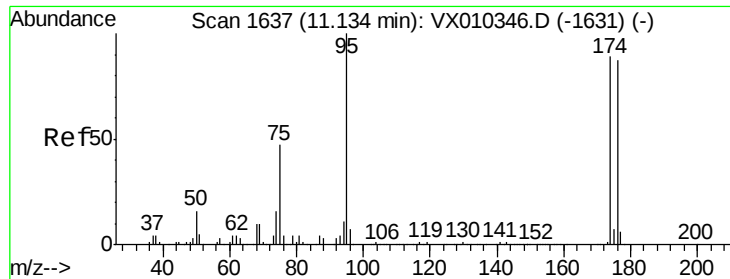
#50
Toluene-d8
Concen: 50.727 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010714.D
Acq: 08 Jul 2019 23:12

Tgt Ion: 98 Resp: 419907
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



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

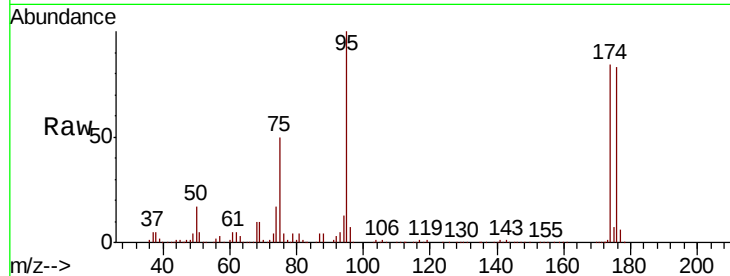




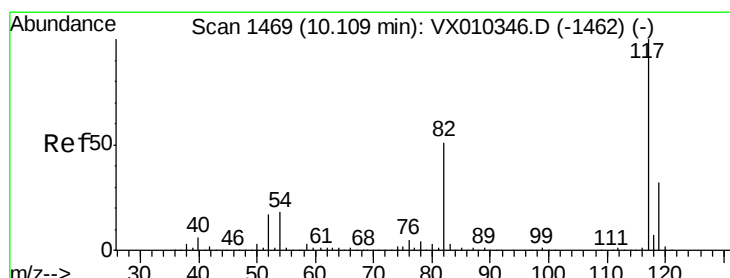
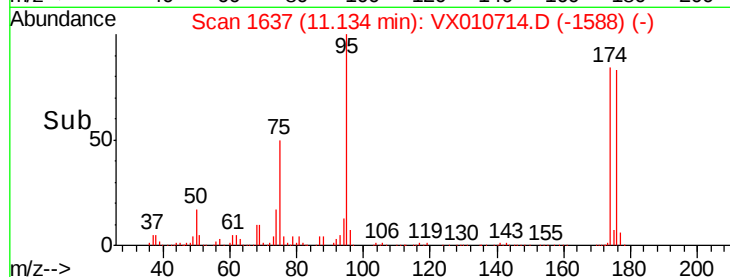
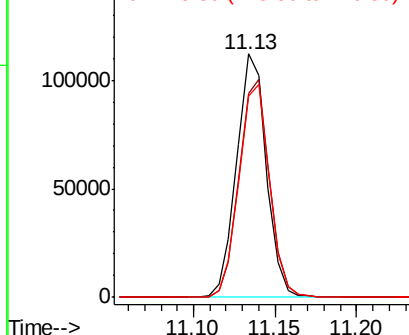
#62
4-Bromofluorobenzene
Concen: 47.756 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010714.D
Acq: 08 Jul 2019 23:12

Instrument :
MSVOA_X
ClientSampleId :
S8-TB02-190703

Tot Ion: 95 Resp: 142719
Ion Ratio Lower Upper
95 100
174 91.8 0.0 187.6
176 90.0 0.0 184.0

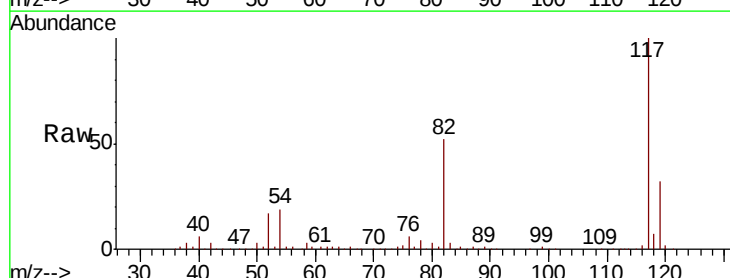


Abundance Ion 94.90 (94.60 to 95.60): VX0
150000 Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

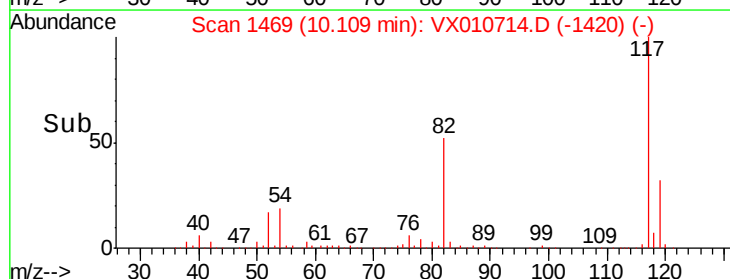
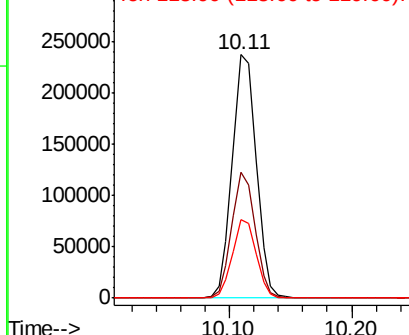


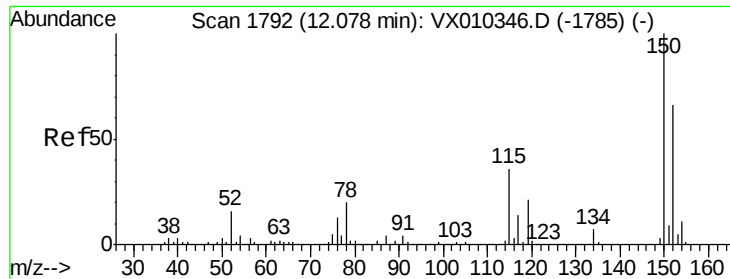
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010714.D
Acq: 08 Jul 2019 23:12

Tgt Ion: 117 Resp: 322164
Ion Ratio Lower Upper
117 100
82 51.6 41.2 61.8
119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V
300000 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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

S8-TB02-190703

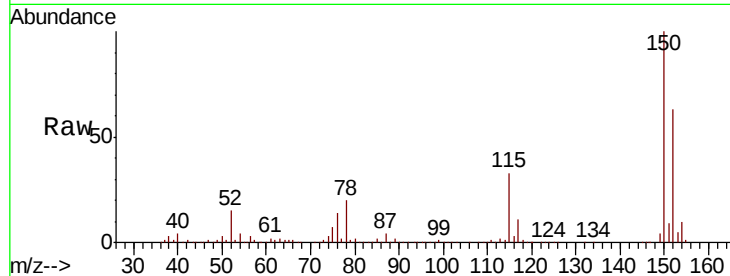
Tot Ion:152 Resp: 149117

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

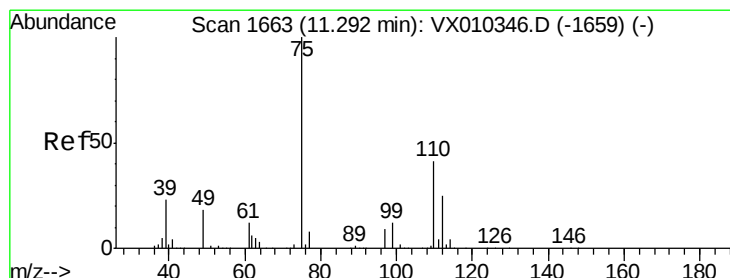
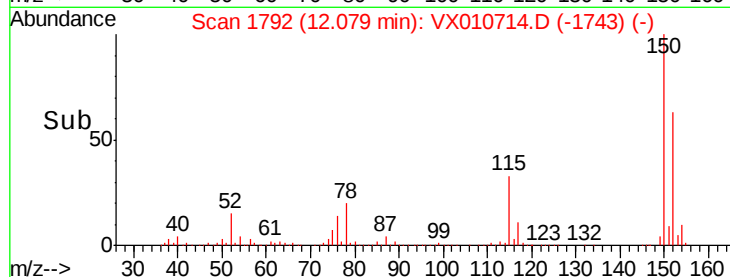
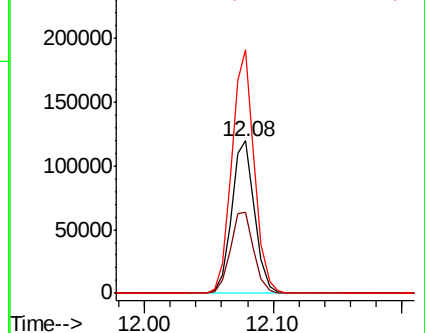
150 156.2 0.0 347.4



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: 25.804 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010714.D

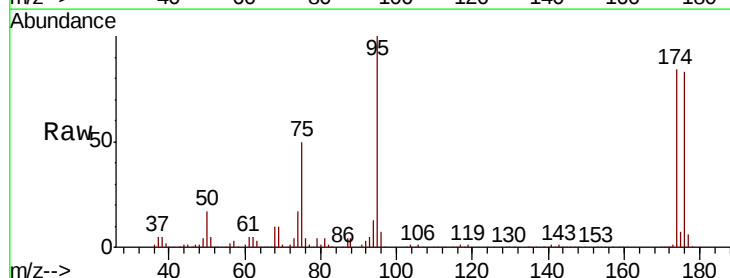
Acq: 08 Jul 2019 23:12

Tgt Ion: 75 Resp: 70117

Ion Ratio Lower Upper

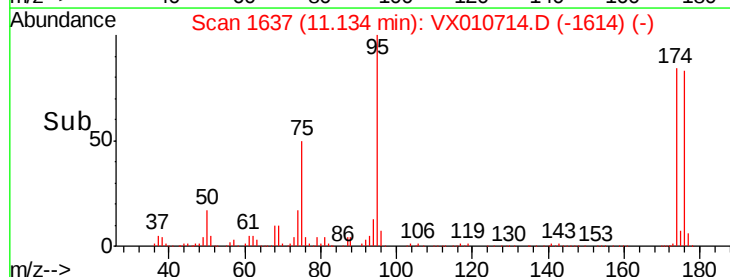
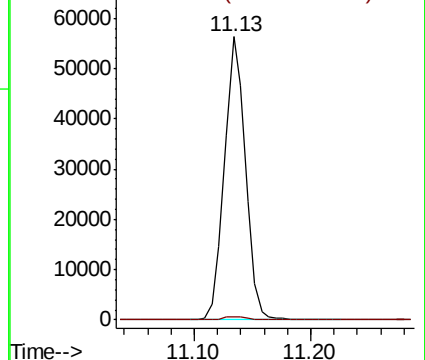
75 100

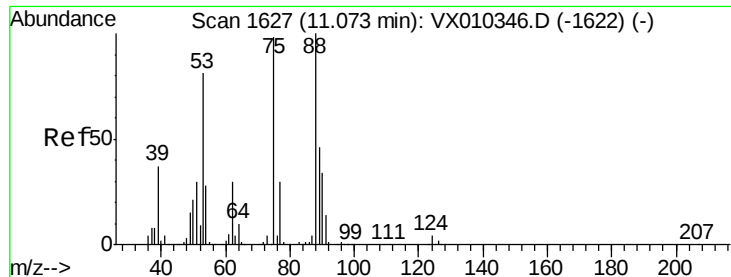
77 1.4 22.6 67.8#



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: 60.198 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

Instrument :

MSVOA_X

ClientSampleId :

S8-TB02-190703

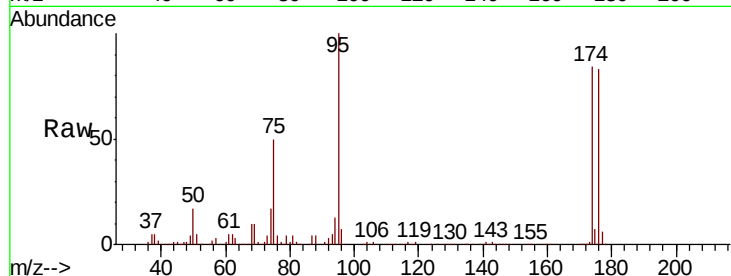
Tot Ion: 75 Resp: 70117

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

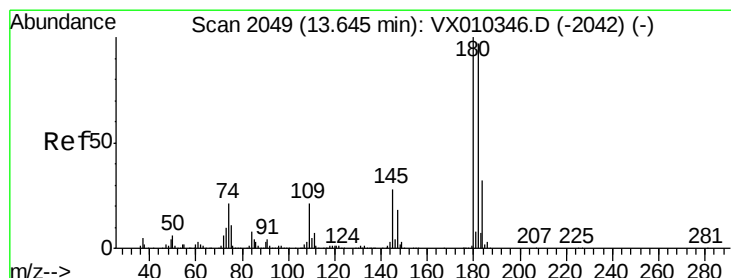
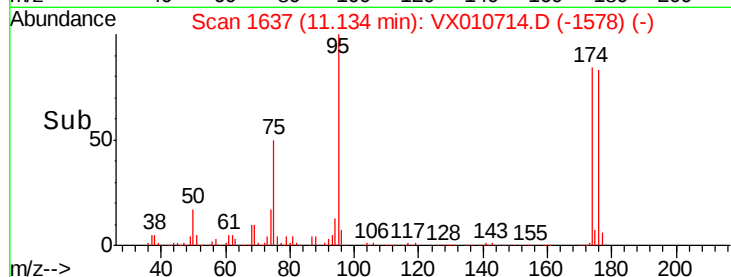
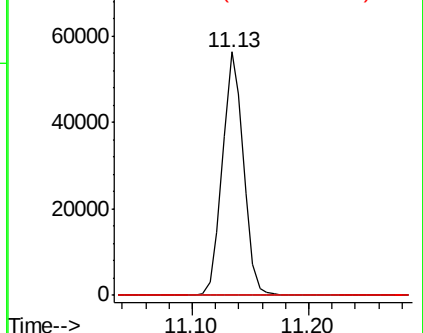
89 0.0 37.8 56.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.215 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010714.D

Acq: 08 Jul 2019 23:12

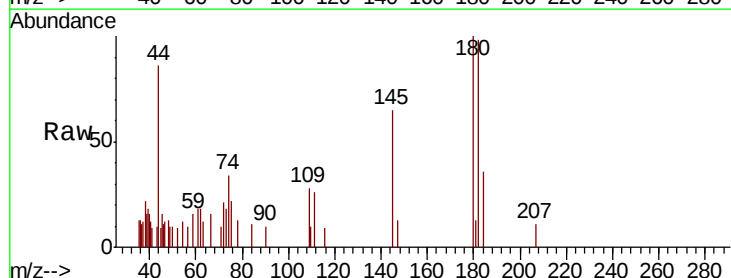
Tgt Ion:180 Resp: 730

Ion Ratio Lower Upper

180 100

182 109.0 48.0 144.0

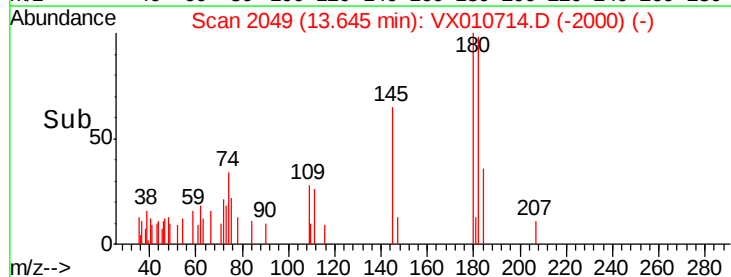
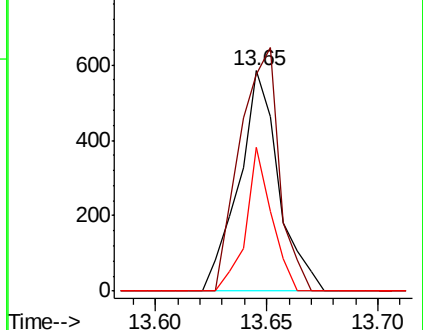
145 42.3 14.4 43.4

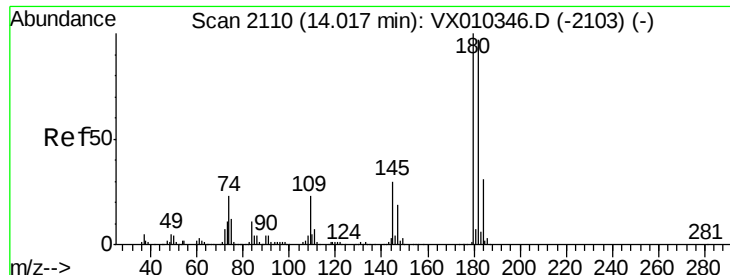


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

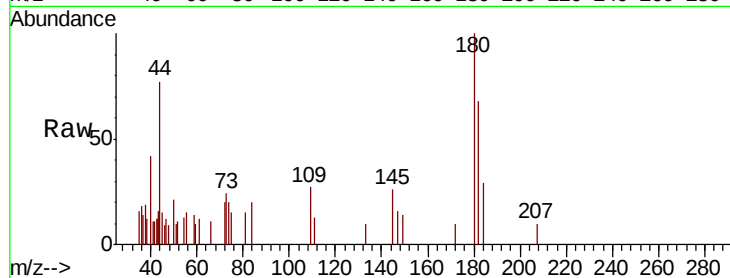




#96
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010714.D
 Acq: 08 Jul 2019 23:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB02-190703

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.8	143.3
145	26.6	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

