

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011406.D
 Acq On : 09 Aug 2019 13:45
 Operator : JC/SP
 Sample : K4279-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB-2019-1

Quant Time: Aug 10 23:59:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	202403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119822	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	104284	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	5.49	113	89534	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	8.71	98	342791	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	11.13	95	112507	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	

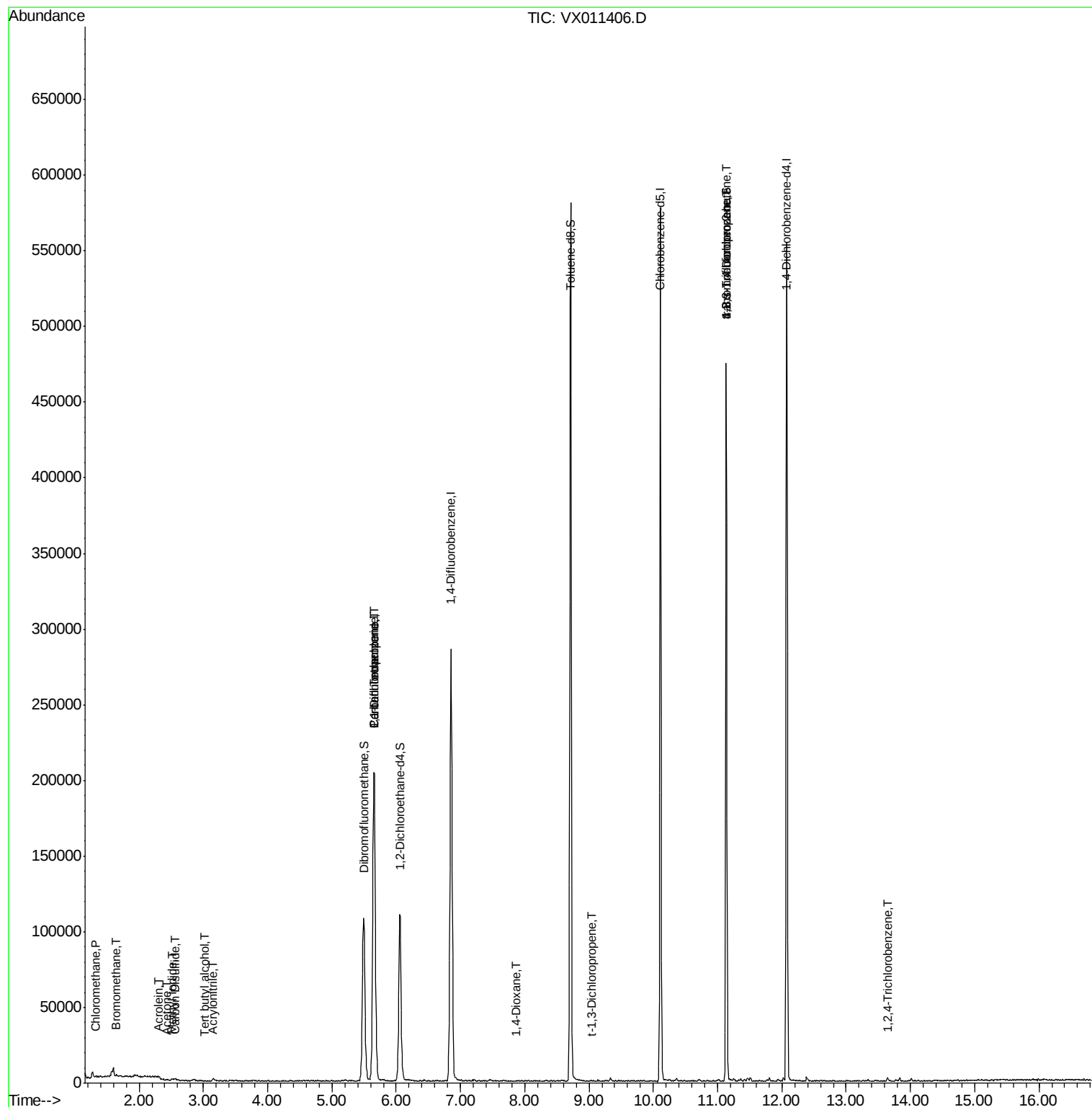
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	352	0.201	ug/l	98
5) Bromomethane	1.65	94	853	0.619	ug/l	89
6) Chloroethane	1.74	64	127	Below Cal	#	43
10) Methyl Iodide	2.51	142	1292	0.552	ug/l	93
11) Tert butyl alcohol	3.01	59	222	0.569	ug/l #	82
13) Acrolein	2.29	56	252	0.576	ug/l #	81
15) Acrylonitrile	3.15	53	515	0.531	ug/l #	75
16) Acetone	2.44	43	541	0.558	ug/l #	83
17) Carbon Disulfide	2.56	76	1561	0.361	ug/l #	89
36) 1,1-Dichloropropene	5.66	75	14261	5.545	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18785	7.260	ug/l #	15
49) 1,4-Dioxane	7.87	88	25	0.444	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	263	2.925	ug/l #	79
76) 1,2,3-Trichloropropane	11.13	75	56892	26.072	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	56892	67.843	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	622	0.232	ug/l	92

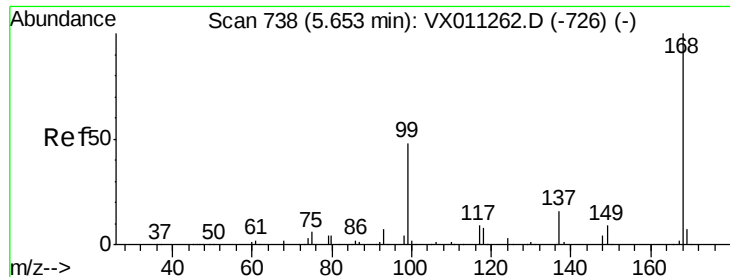
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
Data File : VX011406.D
Acq On : 09 Aug 2019 13:45
Operator : JC/SP
Sample : K4279-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-1

Quant Time: Aug 10 23:59:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 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: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

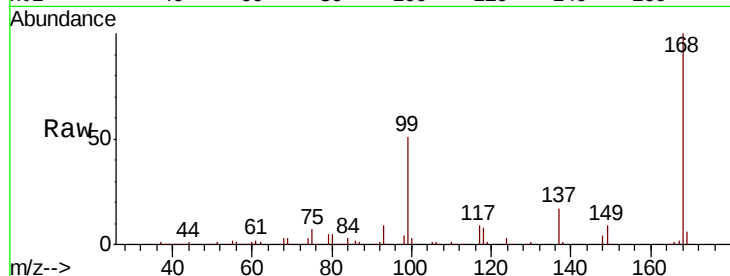
Z3-TB-2019-1

Tgt Ion:168 Resp: 202403

Ion Ratio Lower Upper

168 100

99 50.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

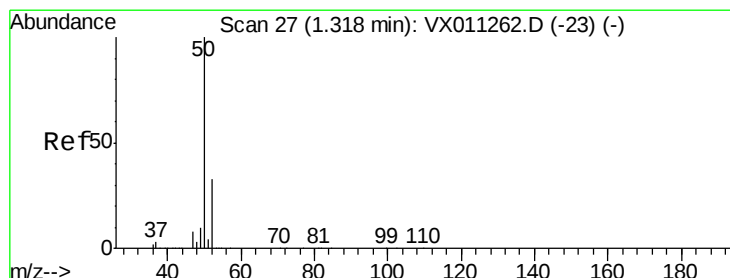
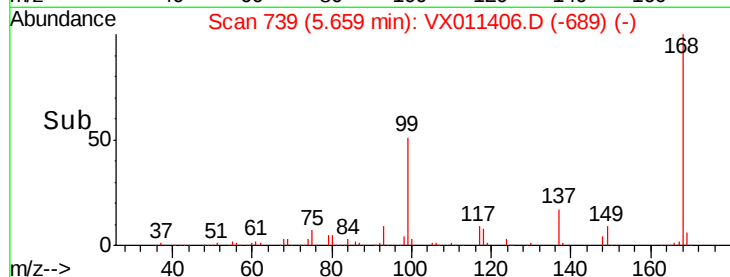
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011406.D

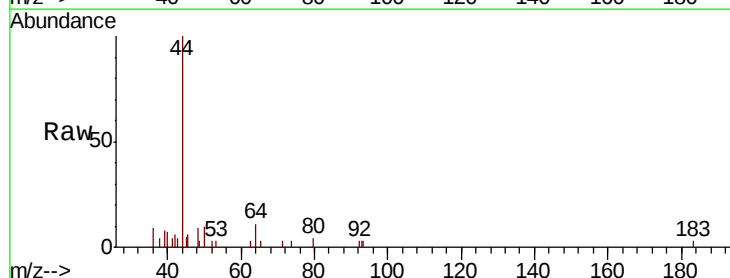
Acq: 09 Aug 2019 13:45

Tgt Ion: 50 Resp: 352

Ion Ratio Lower Upper

50 100

52 34.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

150

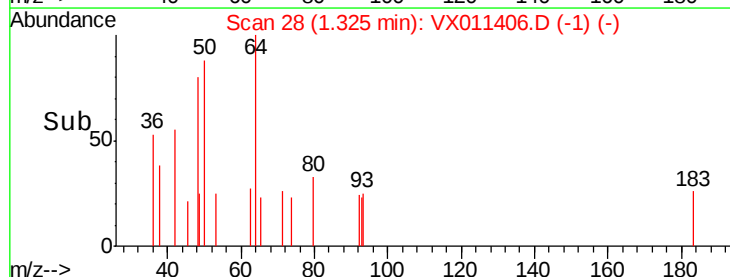
100

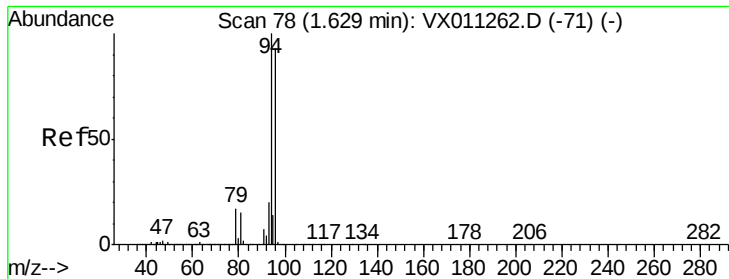
50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.619 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

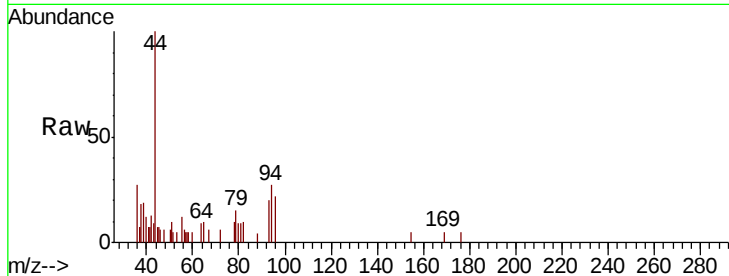
Z3-TB-2019-1

Tgt Ion: 94 Resp: 853

Ion Ratio Lower Upper

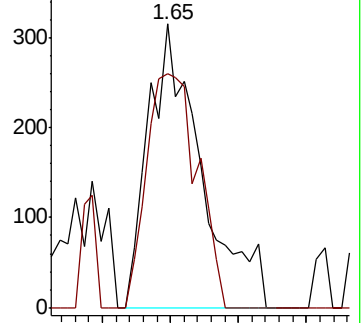
94 100

96 82.5 74.6 112.0

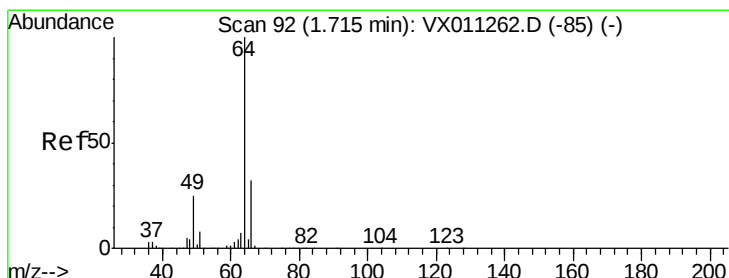
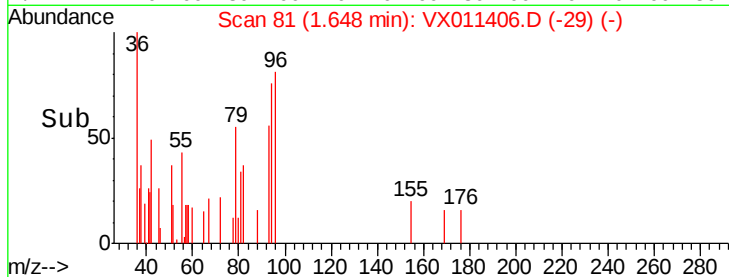


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.03 min

Lab File: VX011406.D

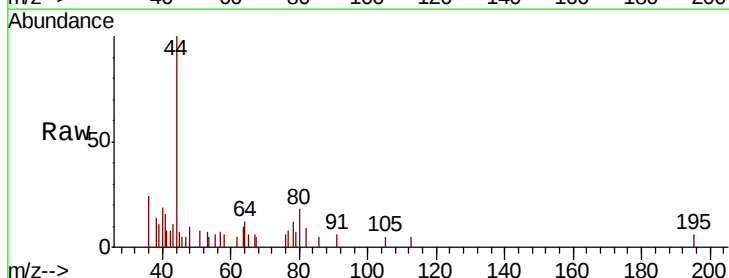
Acq: 09 Aug 2019 13:45

Tgt Ion: 64 Resp: 127

Ion Ratio Lower Upper

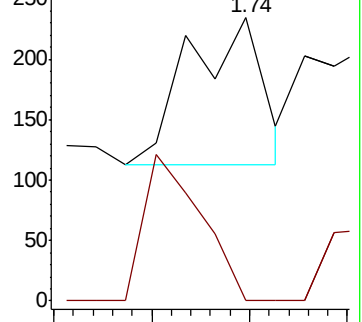
64 100

66 0.0 25.1 37.7#

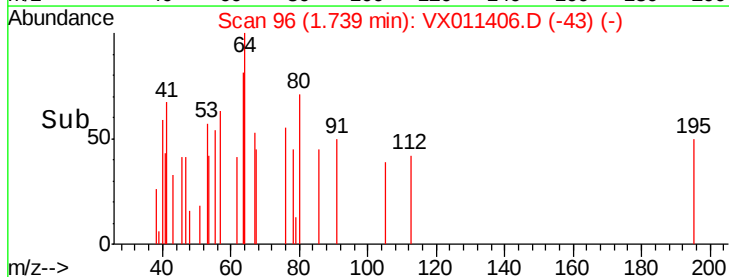


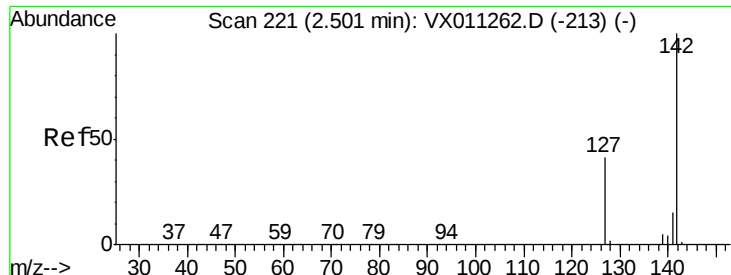
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

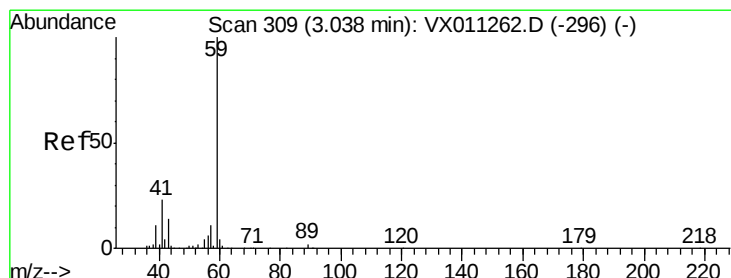
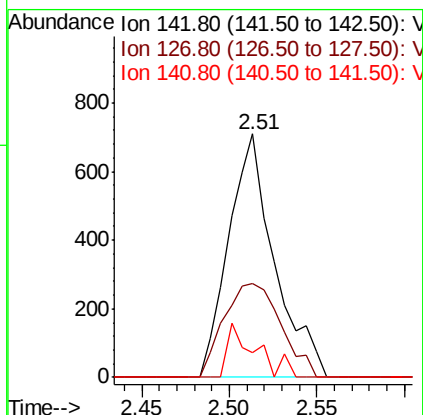
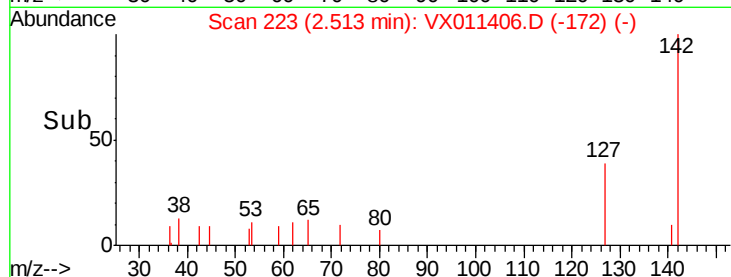
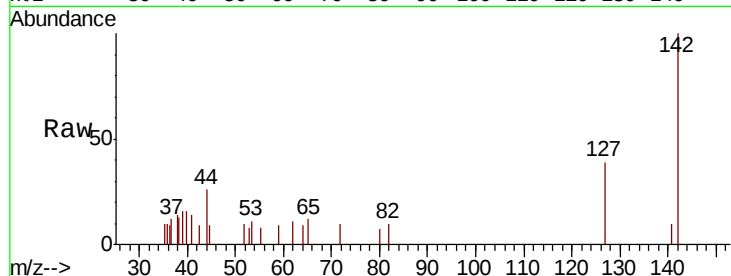




#10
Methyl Iodide
Concen: 0.552 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011406.D
Acq: 09 Aug 2019 13:45

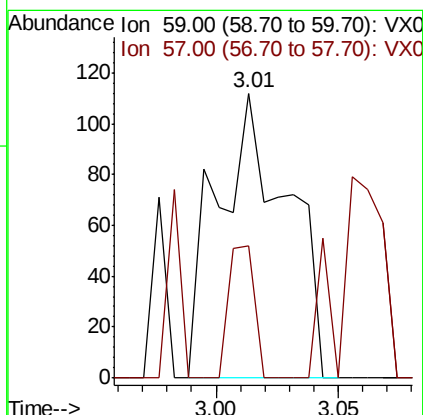
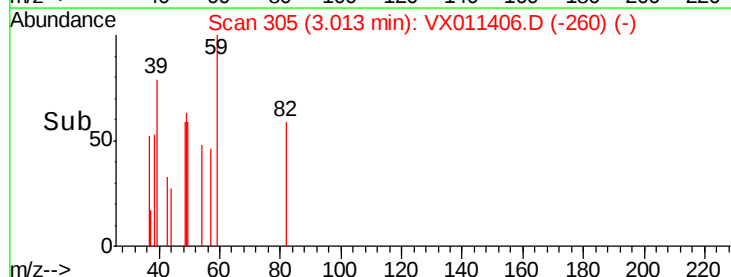
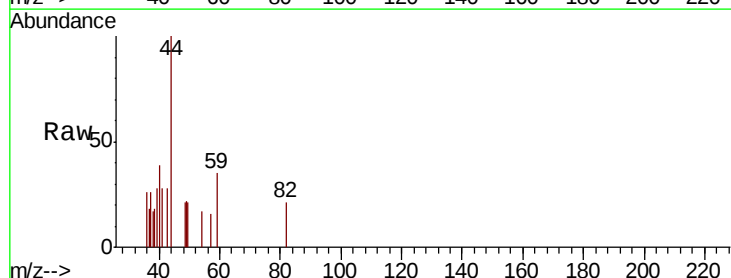
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-1

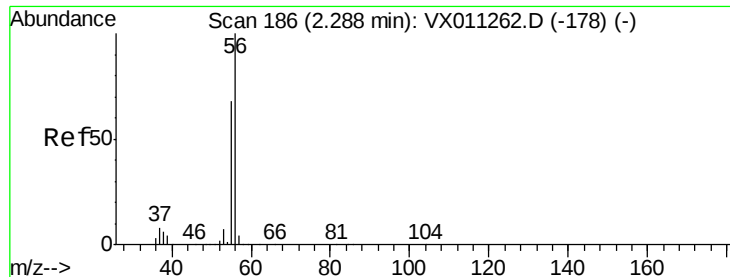
Tgt Ion: 142 Resp: 1292
Ion Ratio Lower Upper
142 100
127 48.2 33.8 50.8
141 13.5 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.569 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011406.D
Acq: 09 Aug 2019 13:45

Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 17.1 8.3 12.5#





#13

Acrolein

Concen: 0.576 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

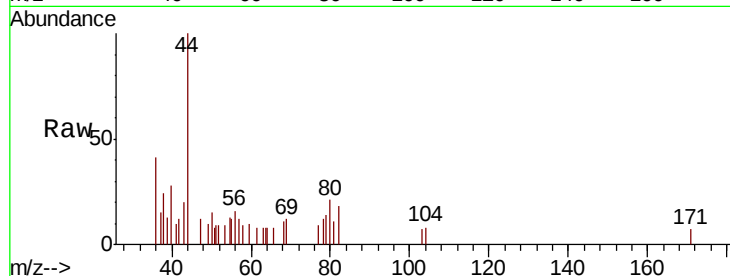
Z3-TB-2019-1

Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

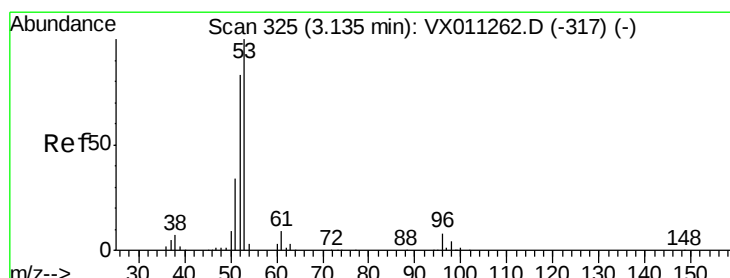
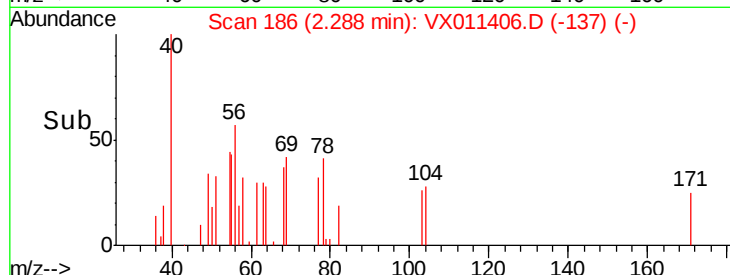
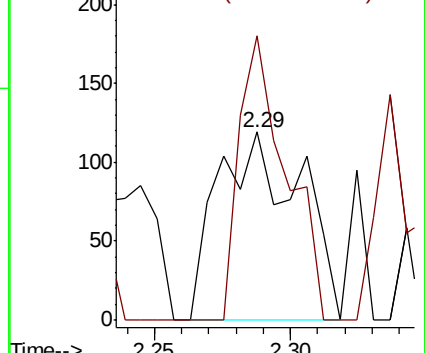
56 100

55 85.7 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.531 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.02 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

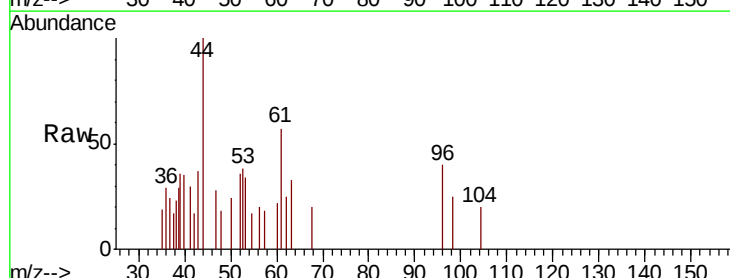
Tgt Ion: 53 Resp: 515

Ion Ratio Lower Upper

53 100

52 108.7 65.5 98.3#

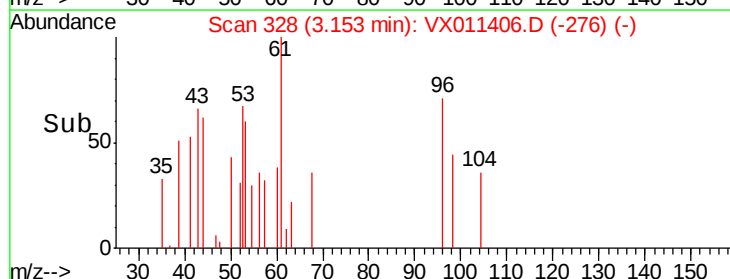
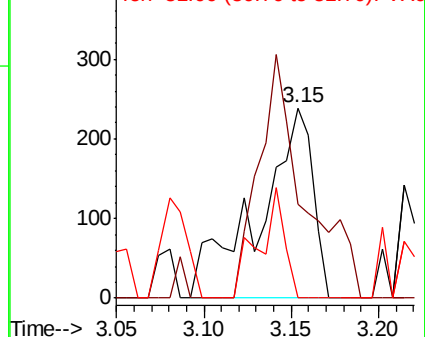
51 28.2 27.9 41.9

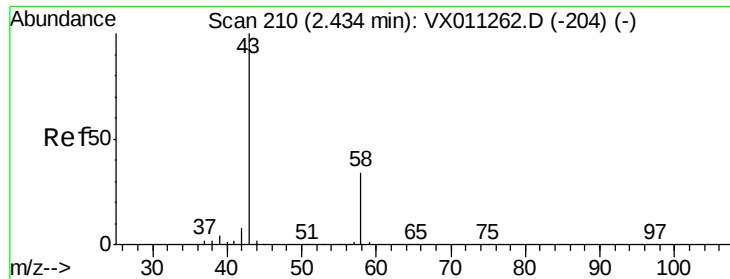


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.558 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

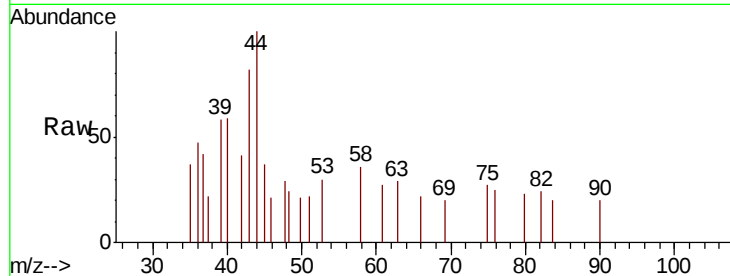
Z3-TB-2019-1

Tgt Ion: 43 Resp: 541

Ion Ratio Lower Upper

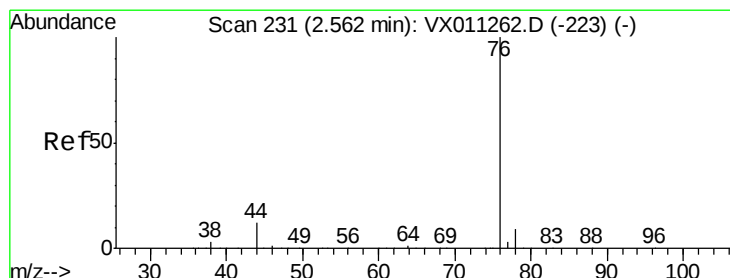
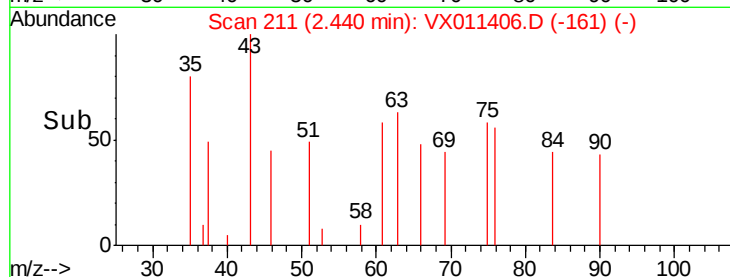
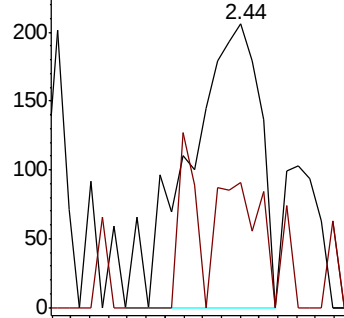
43 100

58 44.2 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.361 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011406.D

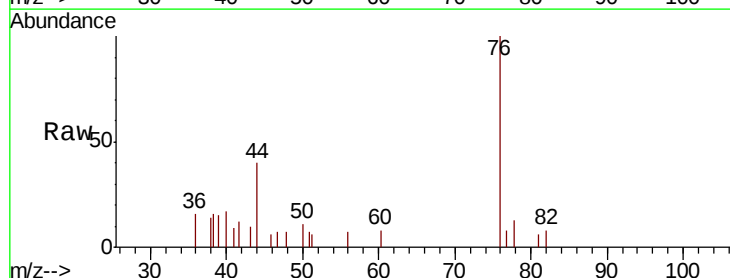
Acq: 09 Aug 2019 13:45

Tgt Ion: 76 Resp: 1561

Ion Ratio Lower Upper

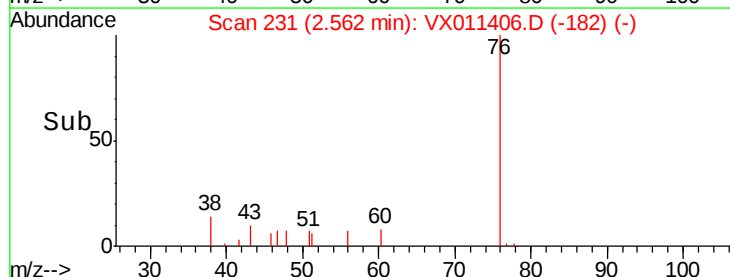
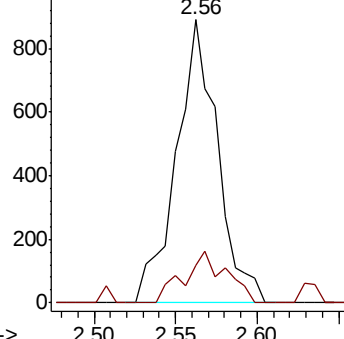
76 100

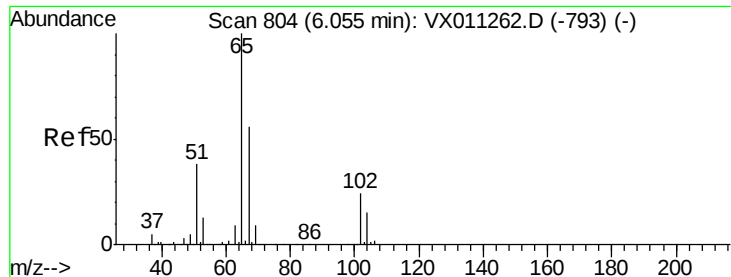
78 13.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

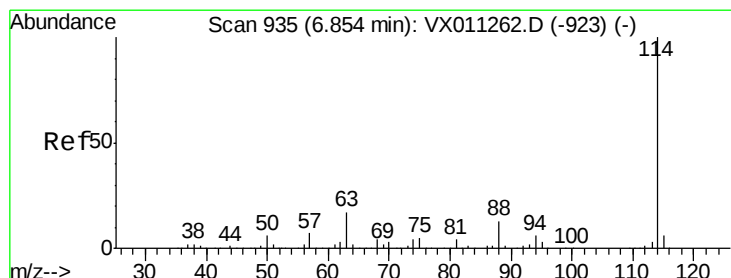
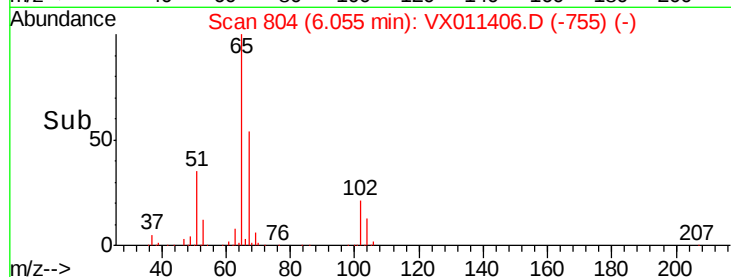
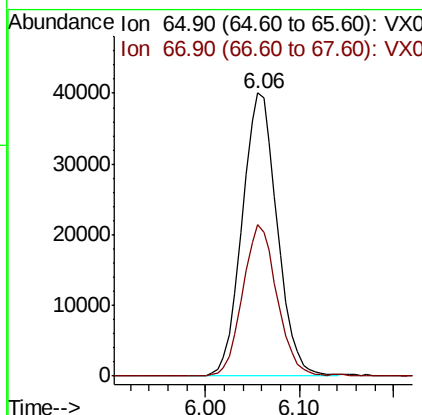
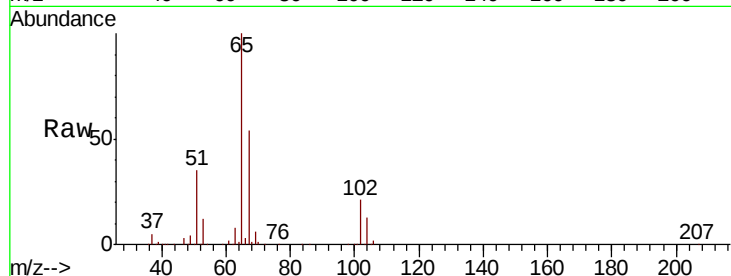




#33
 1,2-Dichloroethane-d4
 Concen: 51.162 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011406.D
 Acq: 09 Aug 2019 13:45

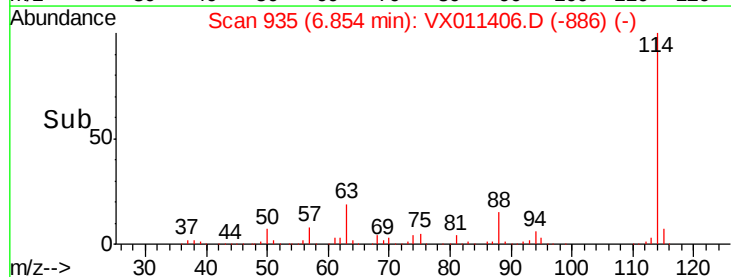
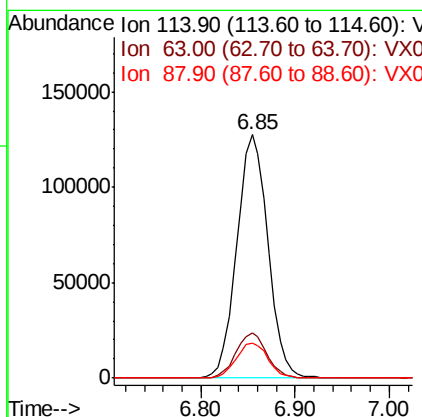
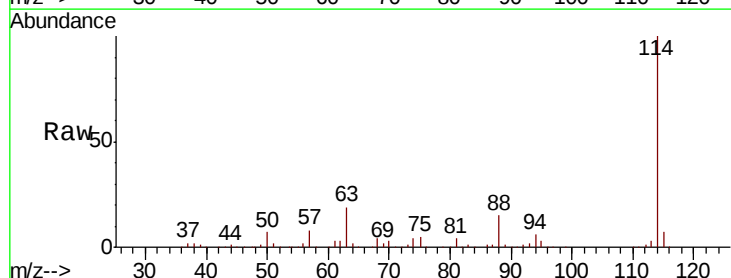
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB-2019-1

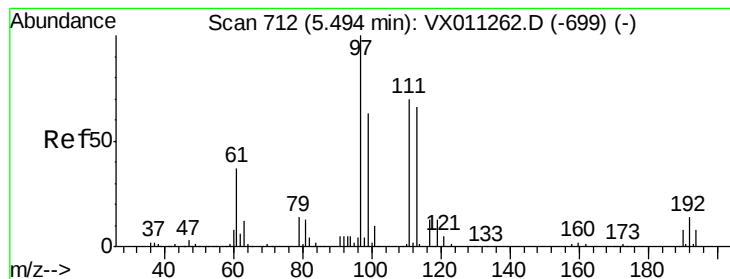
Tgt Ion: 65 Resp: 104284
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011406.D
 Acq: 09 Aug 2019 13:45

Tgt Ion: 114 Resp: 294549
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.0
 88 14.5 0.0 26.4





#35

Dibromofluoromethane

Concen: 46.558 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-1

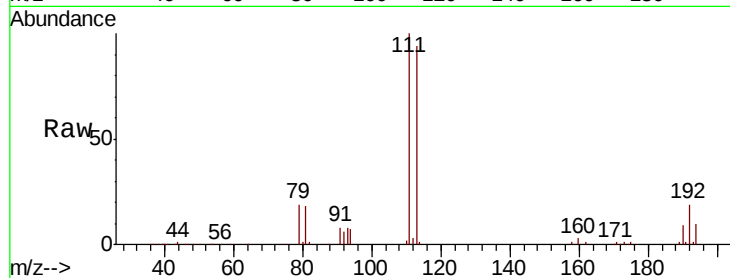
Tgt Ion:113 Resp: 89534

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

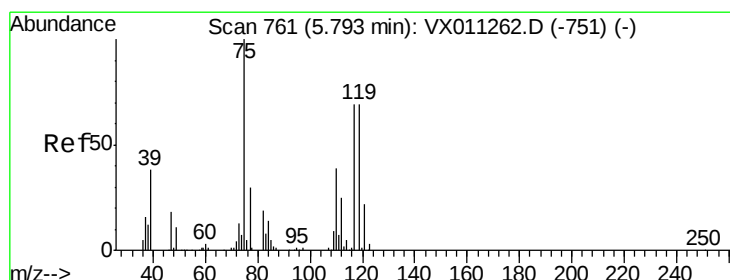
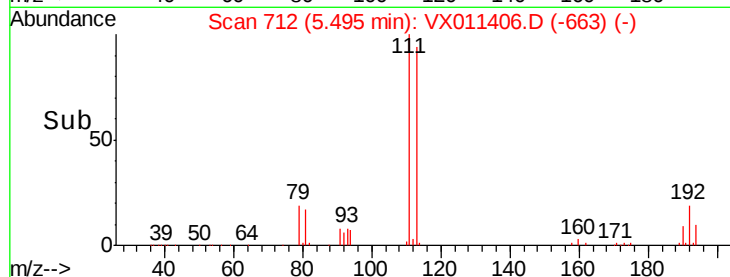
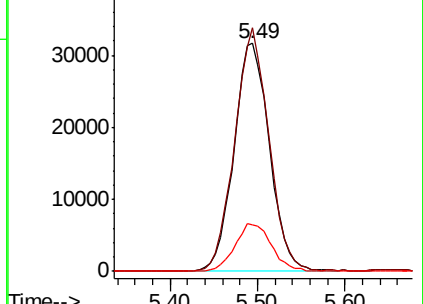
192 21.6 17.8 26.8



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: 5.545 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

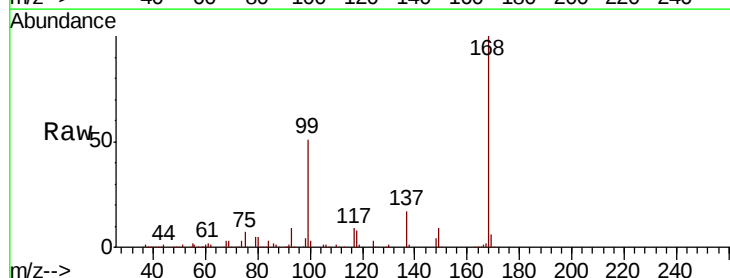
Tgt Ion: 75 Resp: 14261

Ion Ratio Lower Upper

75 100

110 11.1 20.0 59.9#

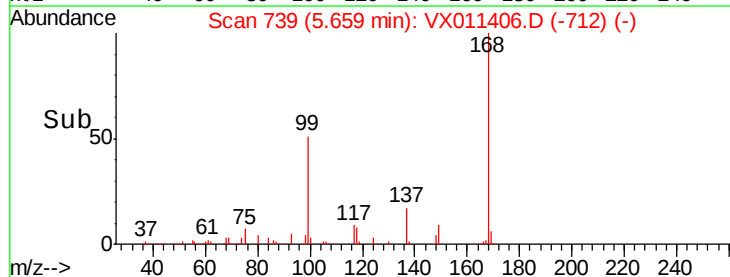
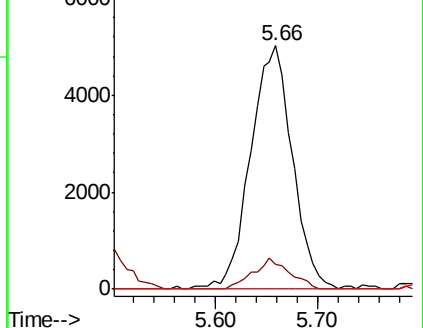
77 0.0 24.8 37.2#

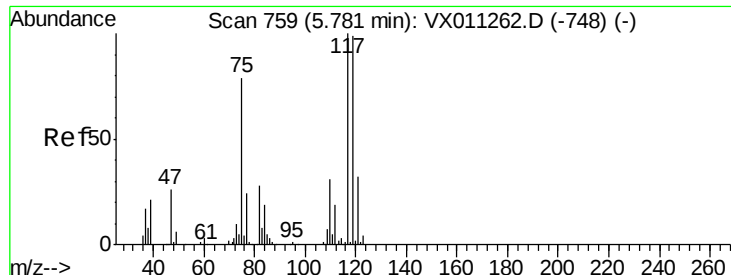


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.260 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-1

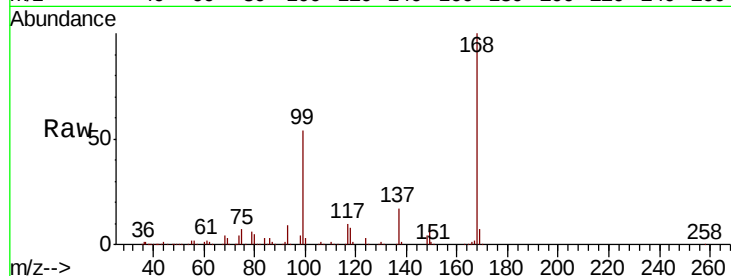
Tgt Ion:117 Resp: 18785

Ion Ratio Lower Upper

117 100

119 5.8 79.0 118.4#

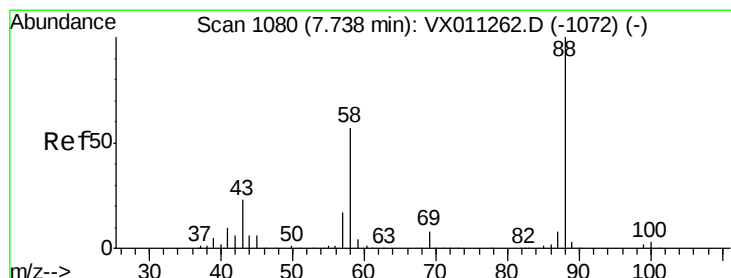
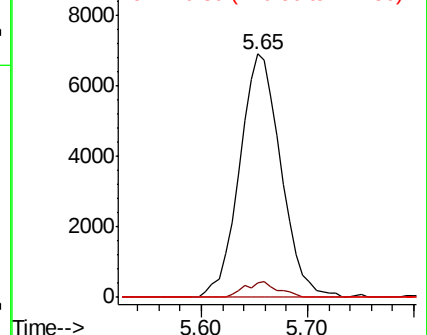
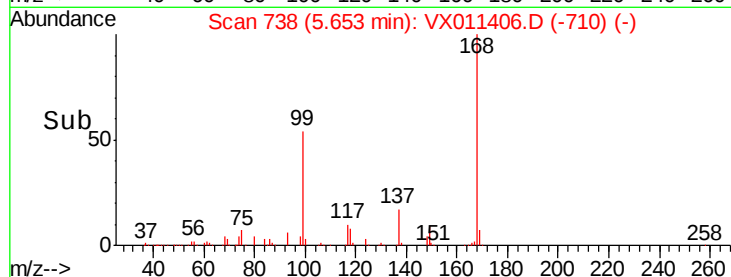
121 0.0 25.9 38.9#



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: 0.444 ug/l

RT: 7.87 min Scan# 1102

Delta R.T. 0.13 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

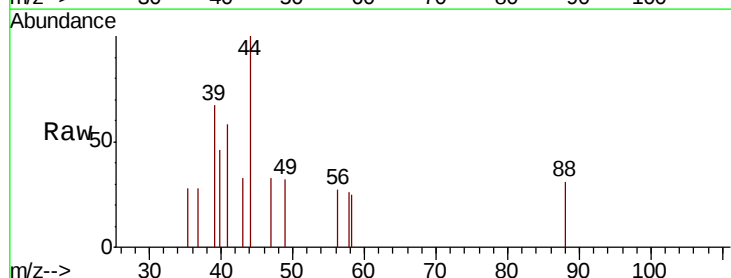
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 308.0 22.2 33.2#

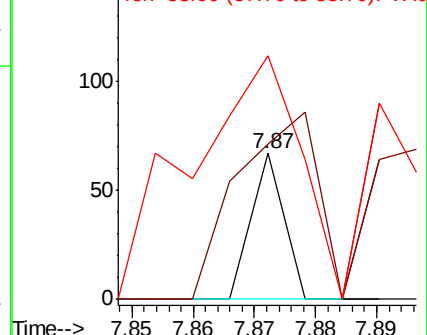
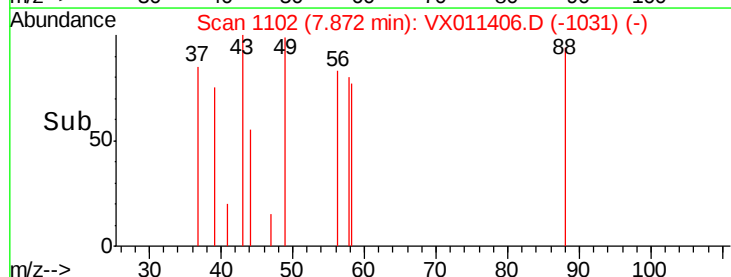
58 560.0 47.8 71.8#

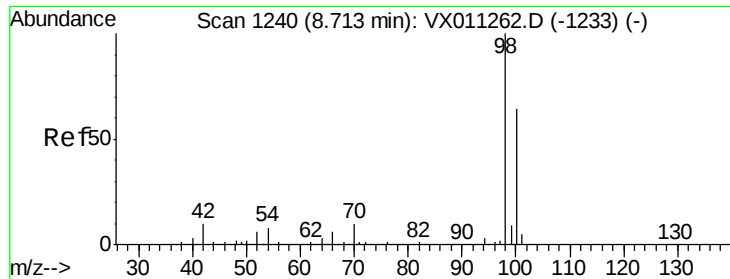


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.223 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

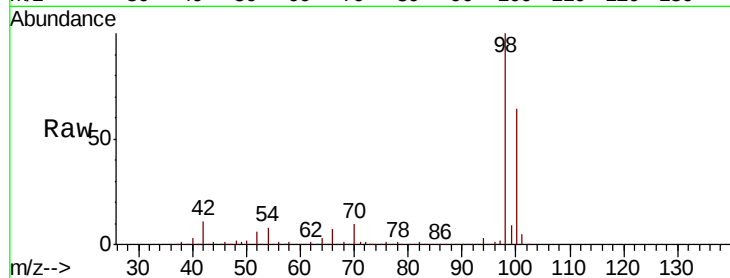
Z3-TB-2019-1

Tgt Ion: 98 Resp: 342791

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

250000

200000

150000

100000

50000

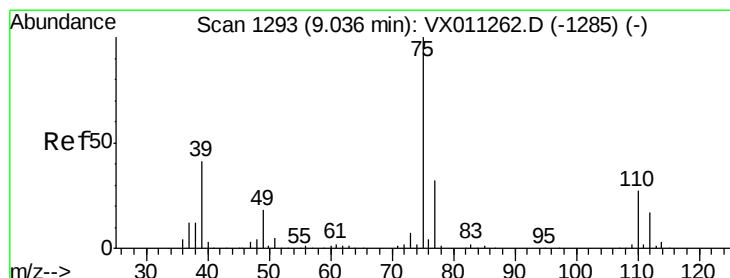
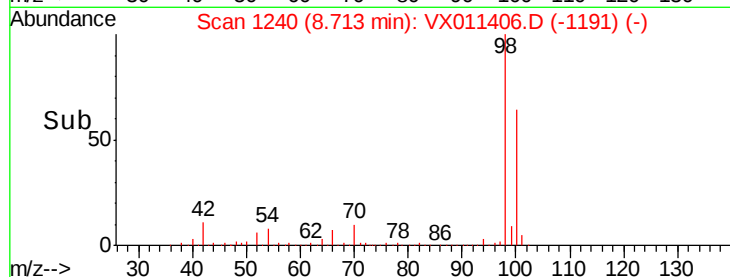
0

8.60

8.71

8.80

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.925 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011406.D

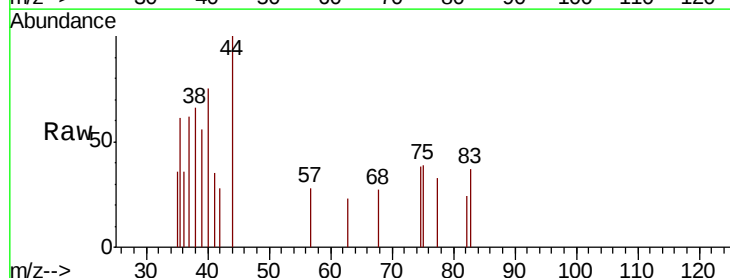
Acq: 09 Aug 2019 13:45

Tgt Ion: 75 Resp: 263

Ion Ratio Lower Upper

75 100

77 43.1 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

150

100

50

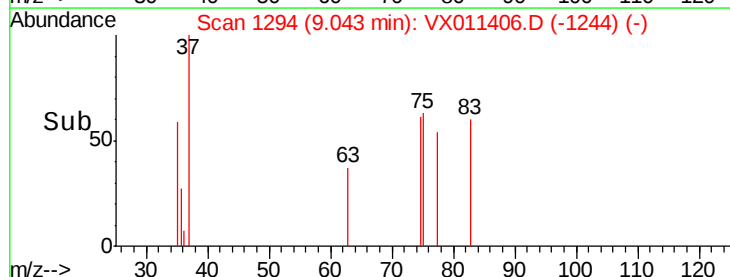
0

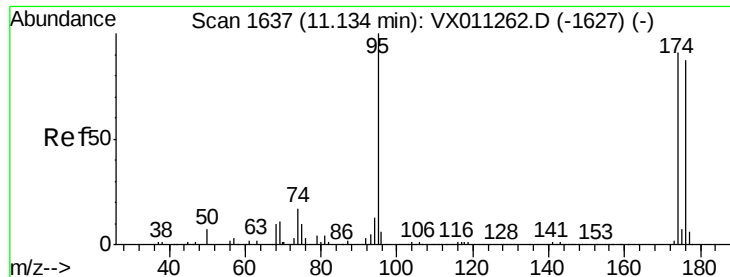
9.00

9.04

9.10

Time-->

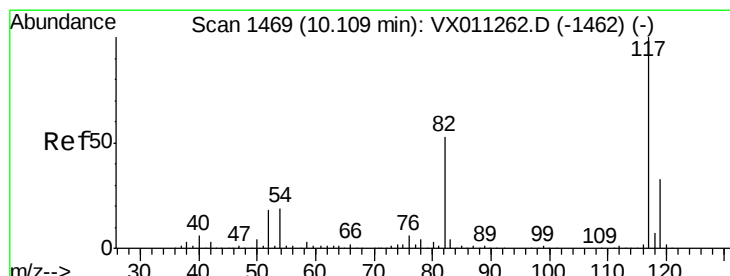
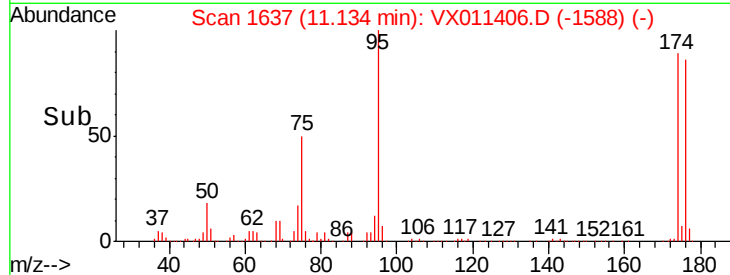
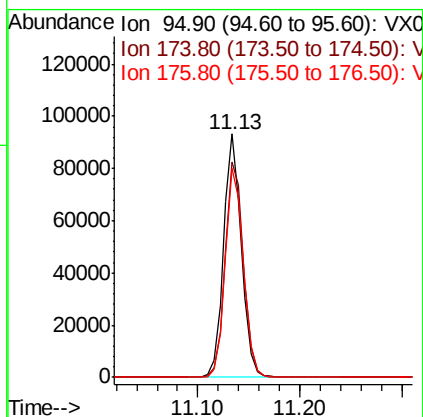
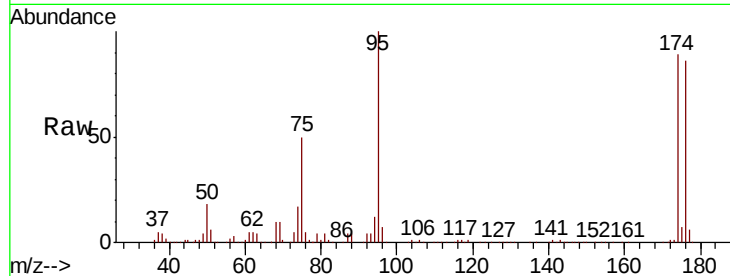




#62
4-Bromofluorobenzene
Concen: 43.412 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011406.D
Acq: 09 Aug 2019 13:45

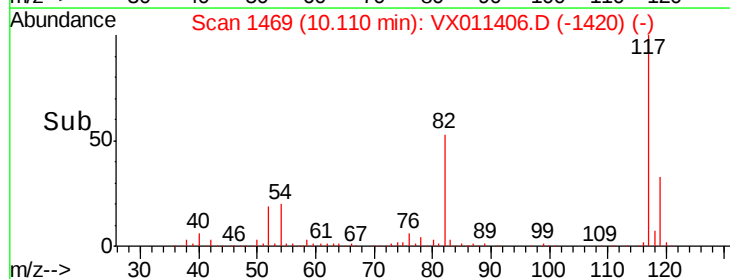
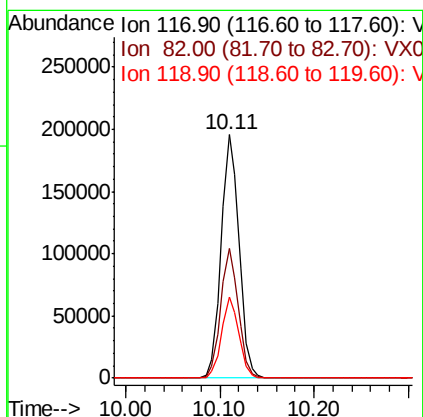
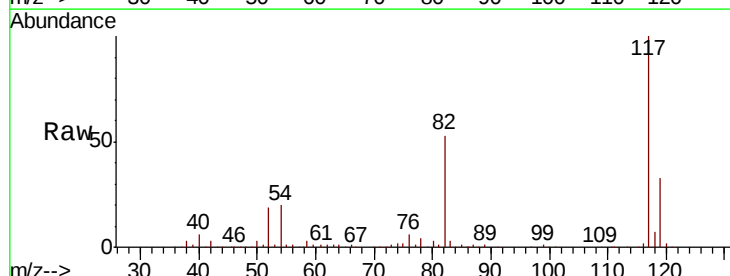
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-1

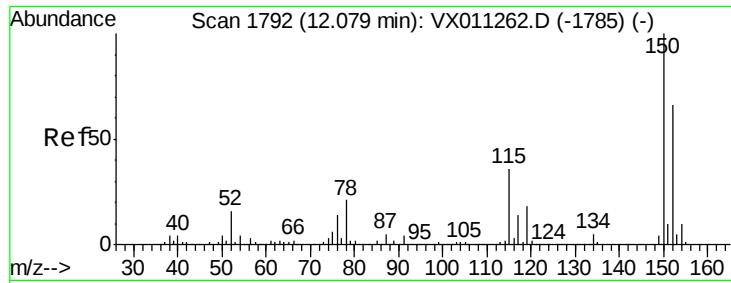
Tgt Ion: 95 Resp: 112507
Ion Ratio Lower Upper
95 100
174 91.1 0.0 191.2
176 87.4 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011406.D
Acq: 09 Aug 2019 13:45

Tgt Ion: 117 Resp: 258018
Ion Ratio Lower Upper
117 100
82 53.3 42.2 63.2
119 33.4 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-1

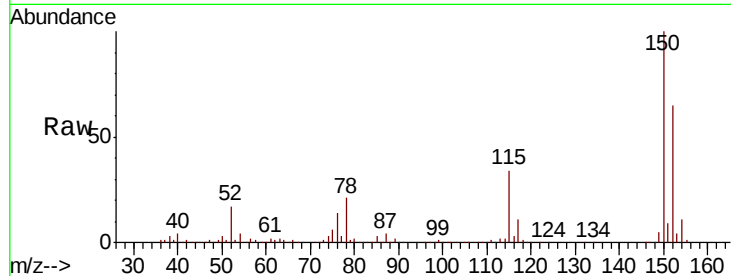
Tgt Ion:152 Resp: 119822

Ion Ratio Lower Upper

152 100

115 55.3 40.0 119.9

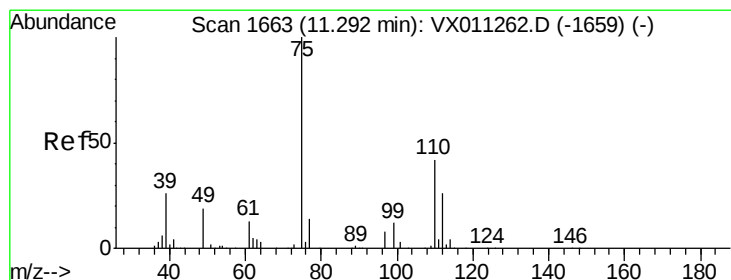
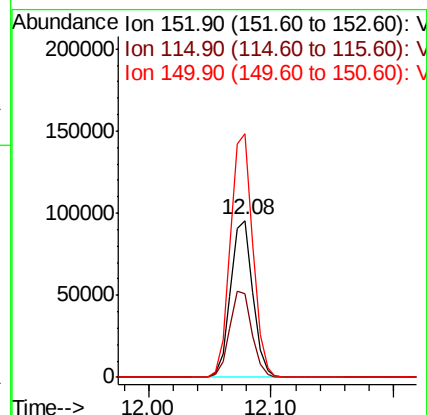
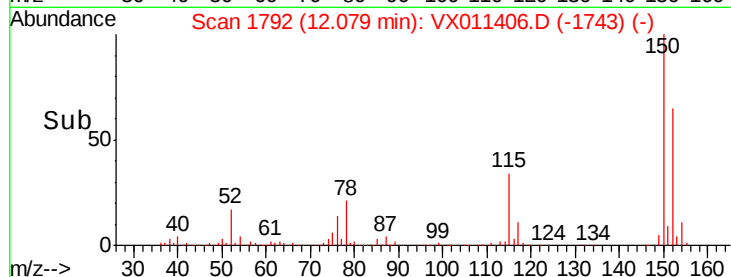
150 156.3 0.0 350.4



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: 26.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011406.D

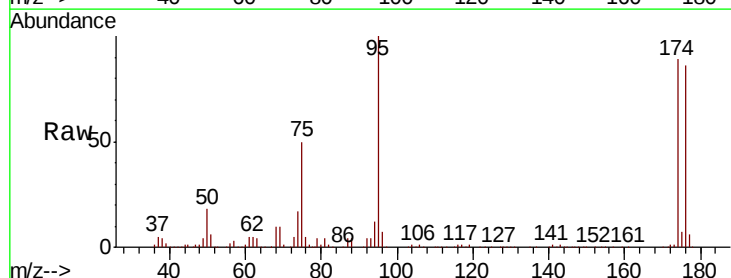
Acq: 09 Aug 2019 13:45

Tgt Ion: 75 Resp: 56892

Ion Ratio Lower Upper

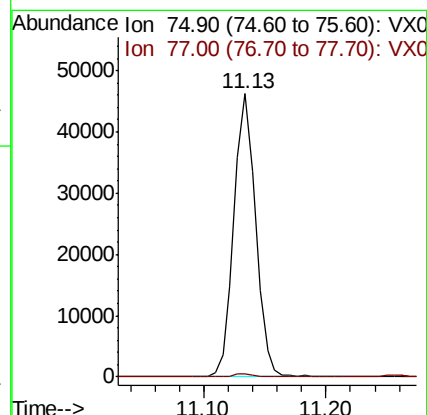
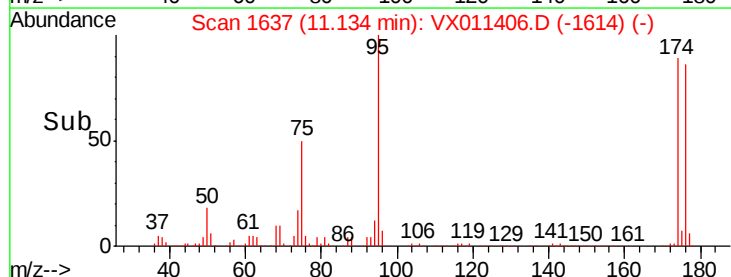
75 100

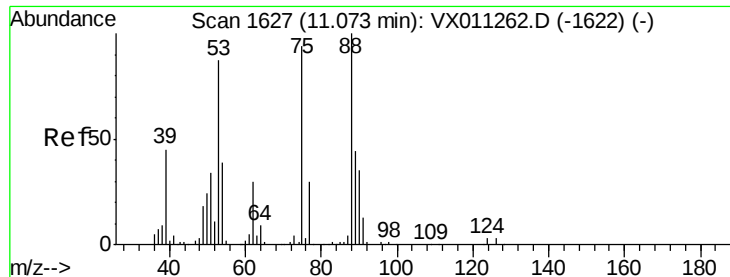
77 1.3 21.1 63.4#



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: 67.843 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-1

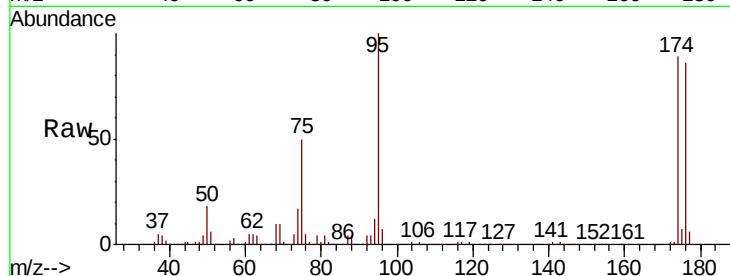
Tgt Ion: 75 Resp: 56892

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#

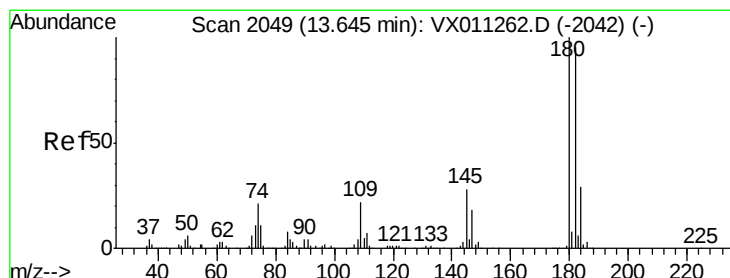
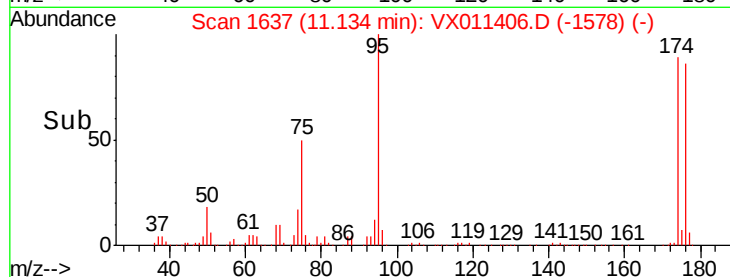
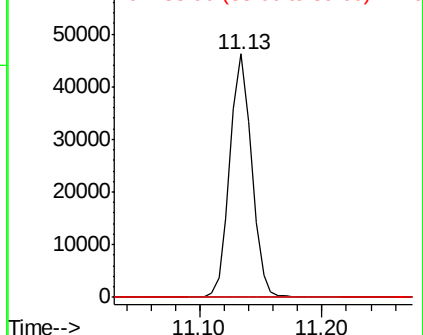


Abundance

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: 0.232 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011406.D

Acq: 09 Aug 2019 13:45

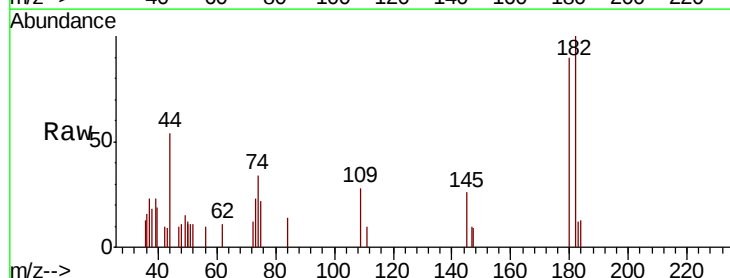
Tgt Ion: 180 Resp: 622

Ion Ratio Lower Upper

180 100

182 100.3 47.8 143.4

145 38.6 14.8 44.3



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

