

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081319\
 Data File : VX011527.D
 Acq On : 13 Aug 2019 11:47
 Operator : JC/SP
 Sample : K4279-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 14 01:04:32 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	194957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114203	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	109648	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
35) Dibromofluoromethane	5.49	113	90258	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	8.71	98	344285	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
62) 4-Bromofluorobenzene	11.13	95	113882	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

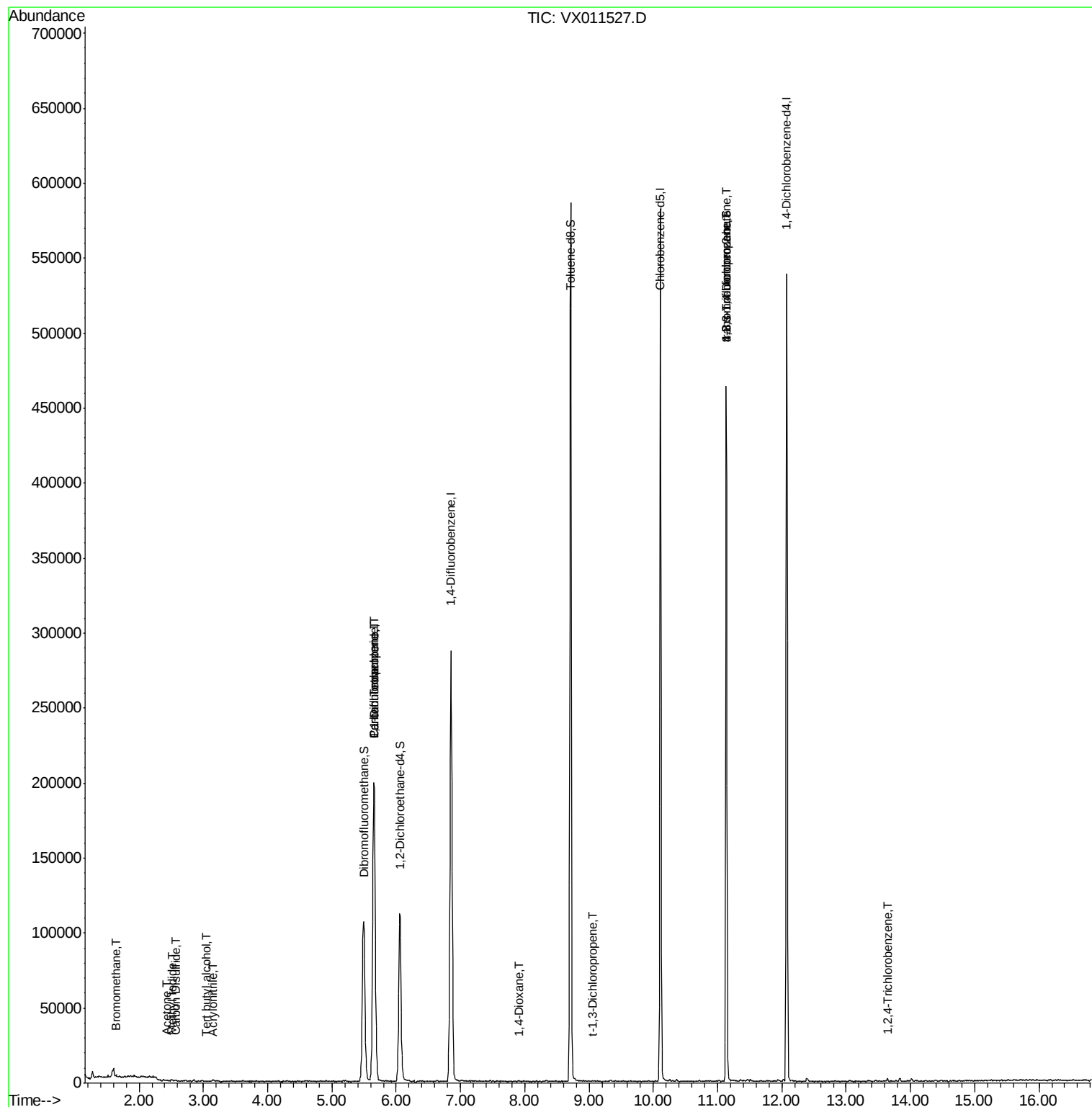
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	677	0.510	ug/l	89
6) Chloroethane	1.73	64	289	Below Cal		92
10) Methyl Iodide	2.51	142	805	0.357	ug/l #	86
11) Tert butyl alcohol	3.04	59	74	0.212	ug/l #	72
15) Acrylonitrile	3.13	53	302	0.323	ug/l #	83
16) Acetone	2.43	43	481	0.515	ug/l #	83
17) Carbon Disulfide	2.57	76	934	0.224	ug/l #	74
36) 1,1-Dichloropropene	5.65	75	13213	5.147	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18529	7.174	ug/l #	15
49) 1,4-Dioxane	7.91	88	20	0.356	ug/l #	51
53) t-1,3-Dichloropropene	9.05	75	121	2.878	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	57787	27.785	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	57787	72.003	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	542	0.213	ug/l	99

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

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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: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

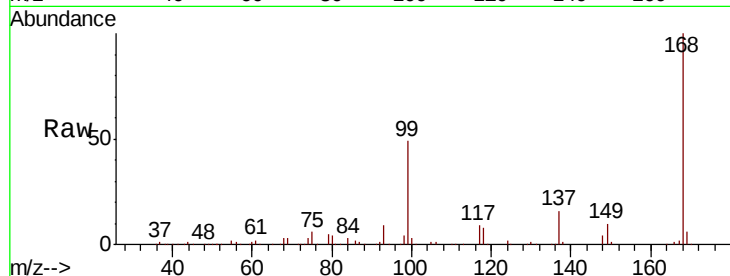
Z3-TB-2019-1

Tgt Ion:168 Resp: 194957

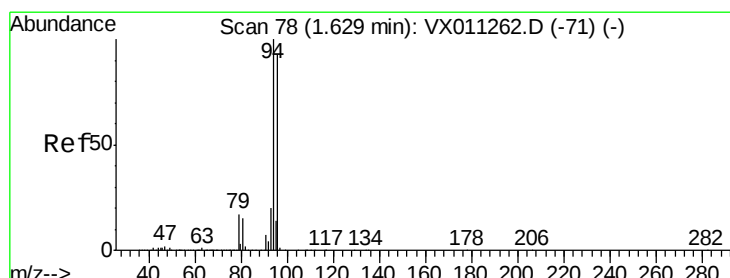
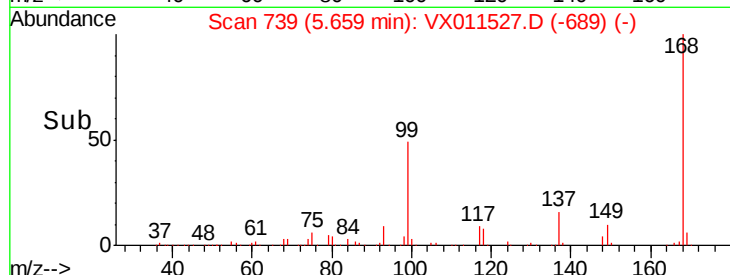
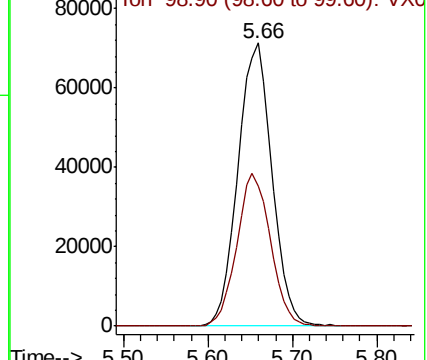
Ion Ratio Lower Upper

168 100

99 49.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011262.D (-726) (-)



#5

Bromomethane

Concen: 0.510 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011527.D

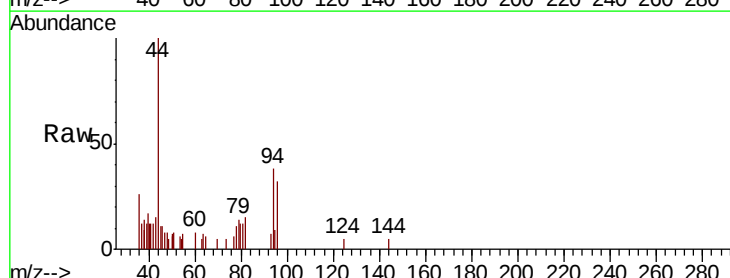
Acq: 13 Aug 2019 11:47

Tgt Ion: 94 Resp: 677

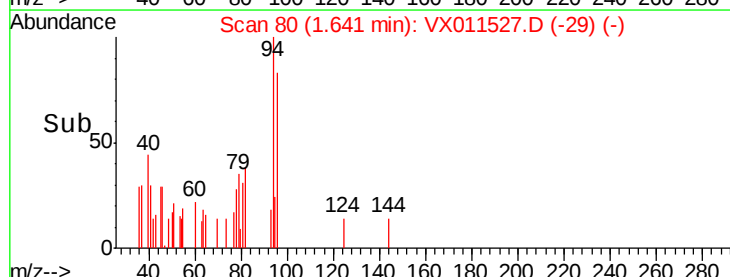
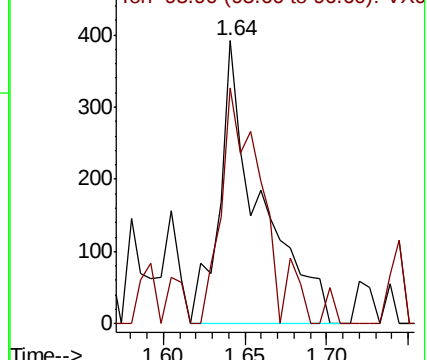
Ion Ratio Lower Upper

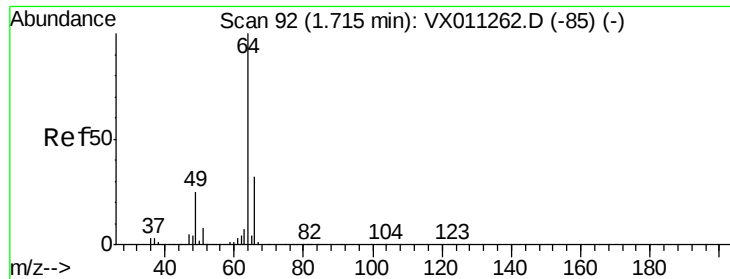
94 100

96 83.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX011262.D (-71) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampled :

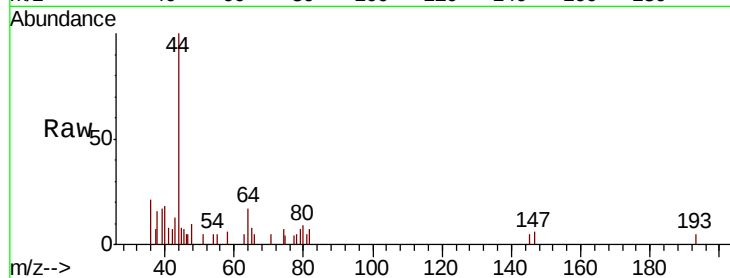
Z3-TB-2019-1

Tgt Ion: 64 Resp: 289

Ion Ratio Lower Upper

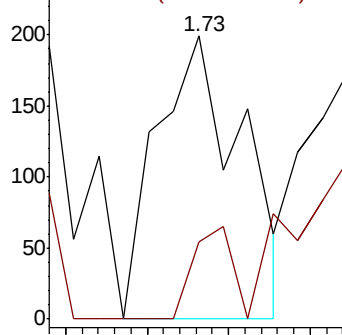
64 100

66 27.1 25.1 37.7

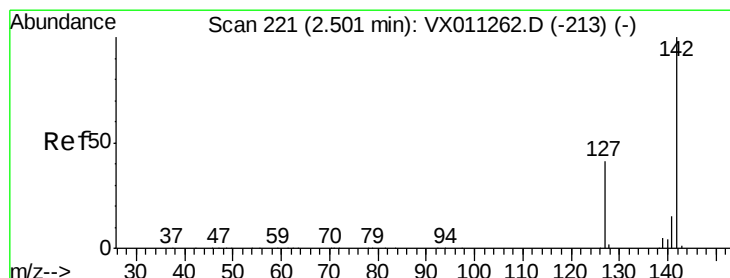
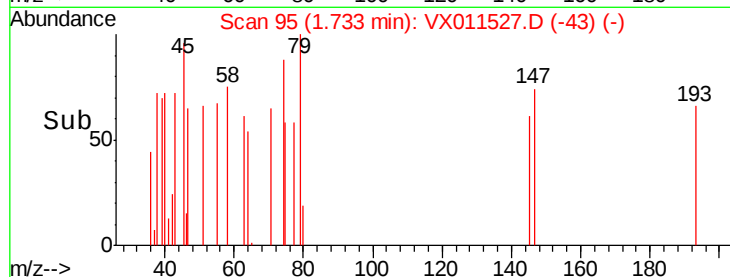


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 0.357 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

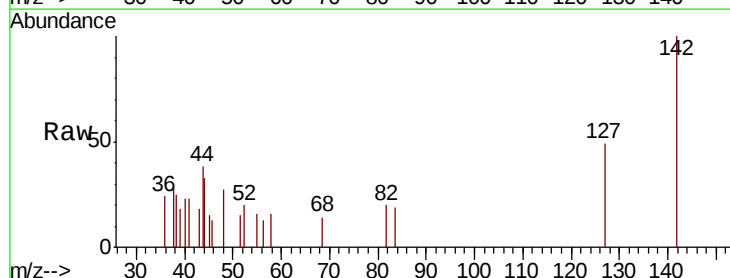
Tgt Ion: 142 Resp: 805

Ion Ratio Lower Upper

142 100

127 48.0 33.8 50.8

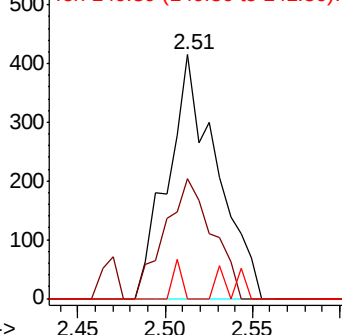
141 3.1 11.4 17.2#



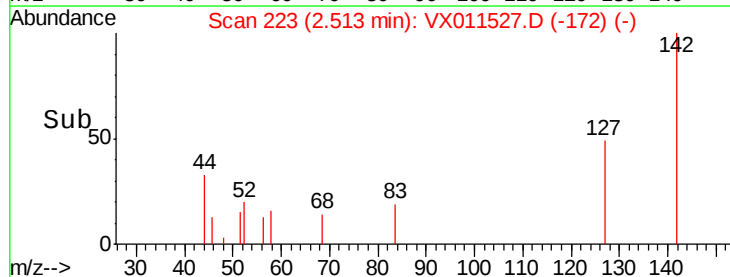
Abundance Ion 141.80 (141.50 to 142.50): V

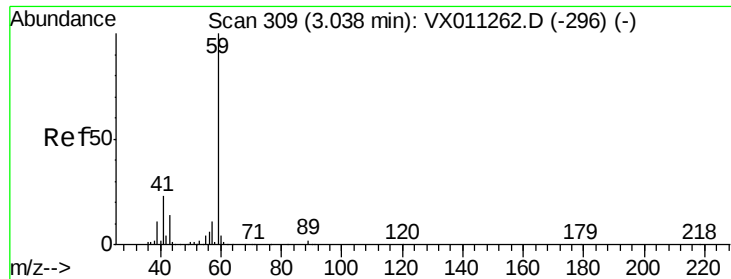
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

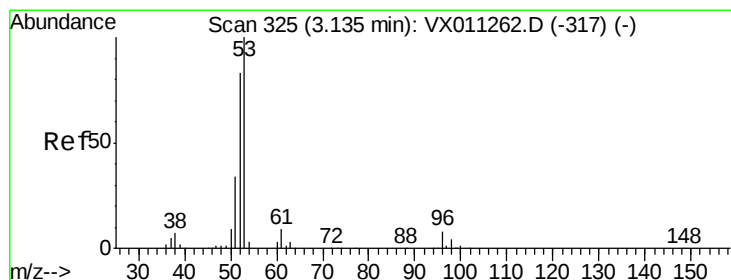
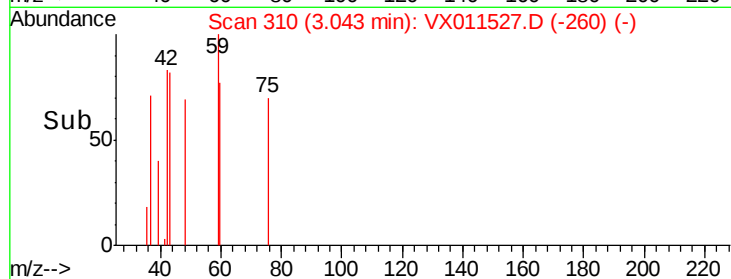
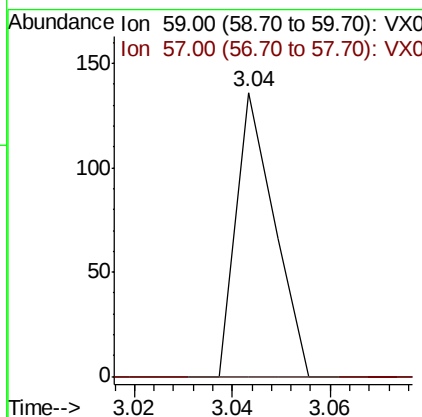
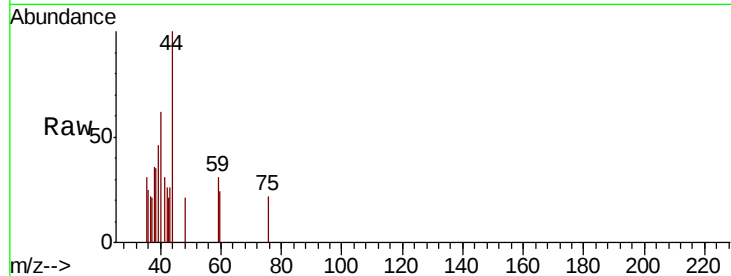




#11
Tert butyl alcohol
Concen: 0.212 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011527.D
Acq: 13 Aug 2019 11:47

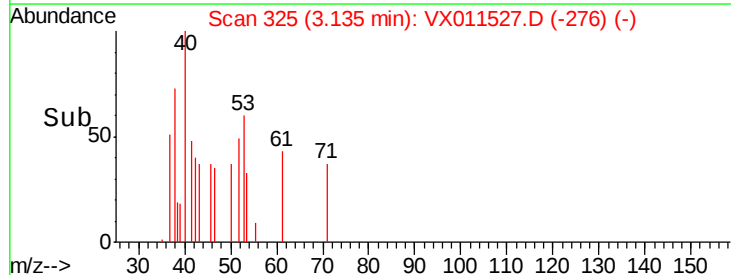
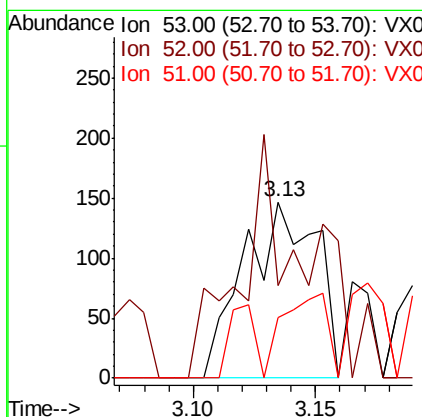
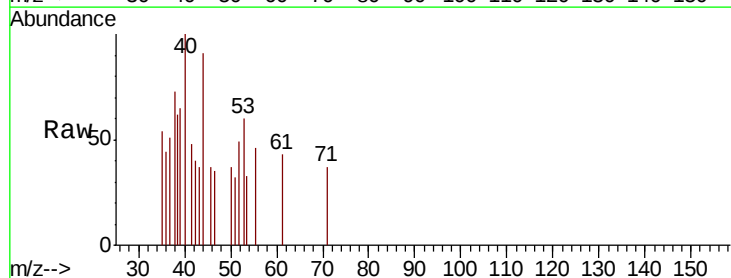
Instrument :
MSVOA_X
ClientSampled :
Z3-TB-2019-1

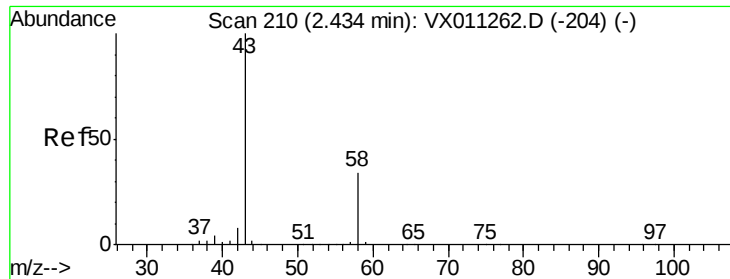
Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#15
Acrylonitrile
Concen: 0.323 ug/l
RT: 3.13 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX011527.D
Acq: 13 Aug 2019 11:47

Tgt Ion: 53 Resp: 302
Ion Ratio Lower Upper
53 100
52 90.1 65.5 98.3
51 14.2 27.9 41.9#





#16

Acetone

Concen: 0.515 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

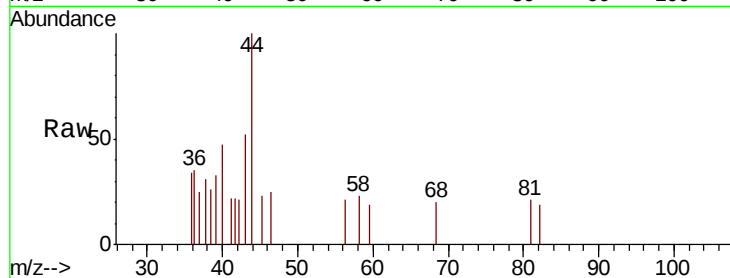
Z3-TB-2019-1

Tgt Ion: 43 Resp: 481

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

2.43

150

100

50

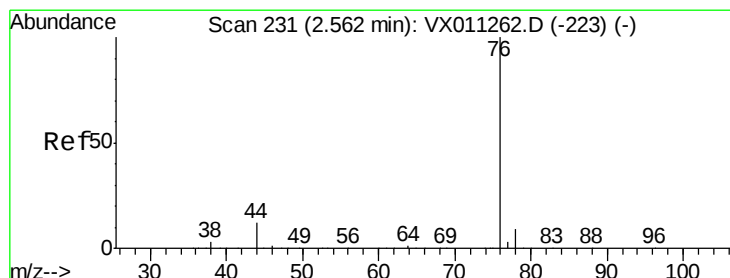
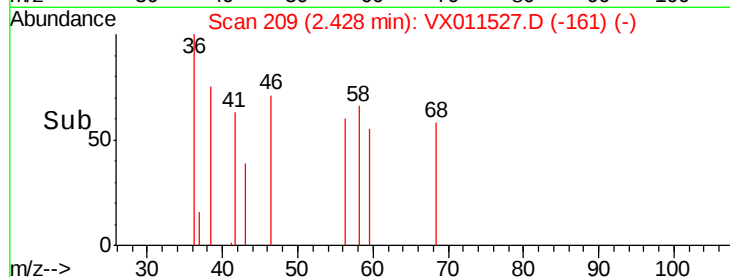
0

Time-->

2.40

2.45

2.50



#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX011527.D

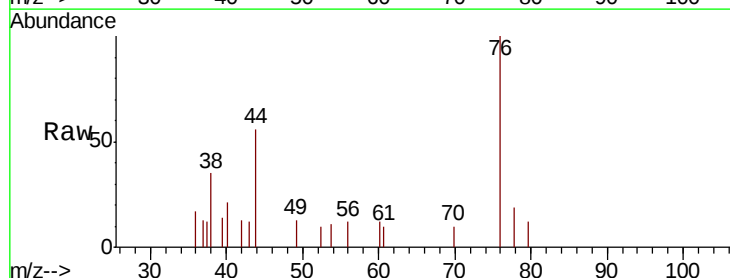
Acq: 13 Aug 2019 11:47

Tgt Ion: 76 Resp: 934

Ion Ratio Lower Upper

76 100

78 18.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

600

500

400

300

200

100

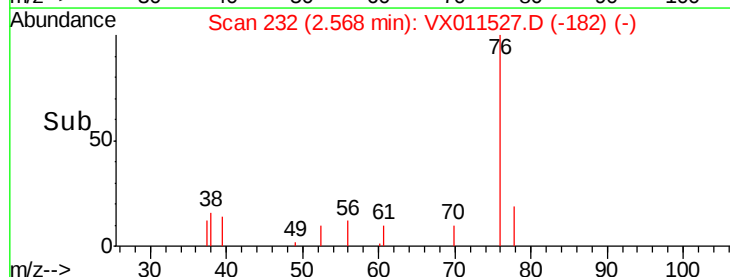
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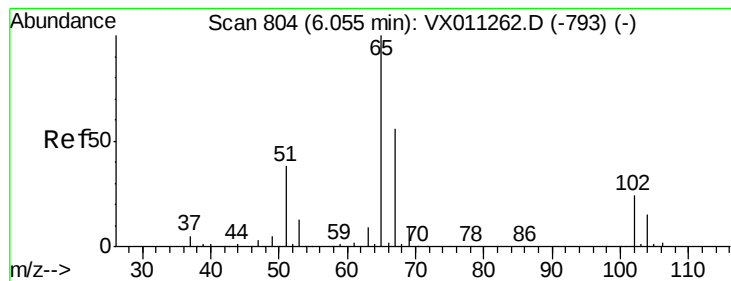
Time-->

2.50

2.55

2.60





#33

1,2-Dichloroethane-d4

Concen: 55.848 ug/l

RT: 6.05 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

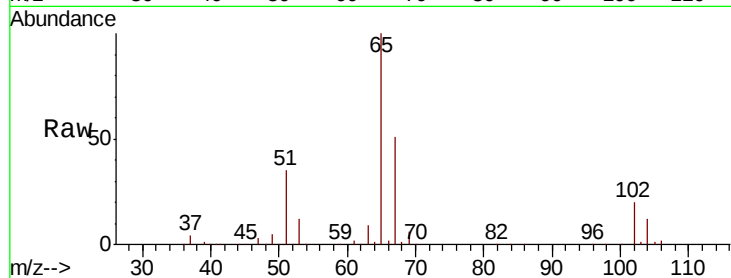
Z3-TB-2019-1

Tgt Ion: 65 Resp: 109648

Ion Ratio Lower Upper

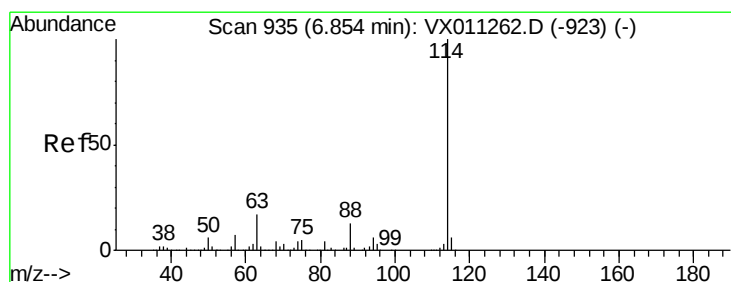
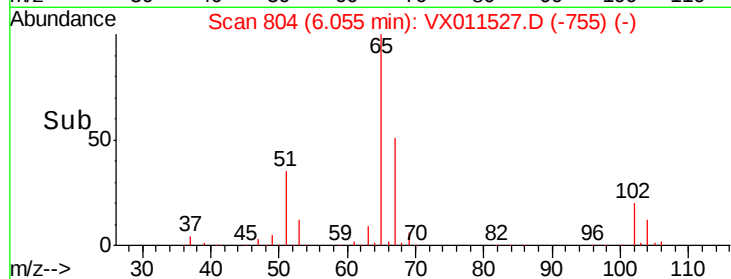
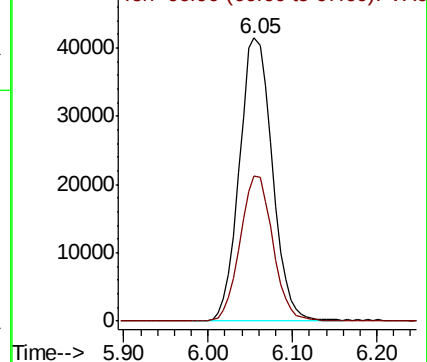
65 100

67 51.0 0.0 110.6



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: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

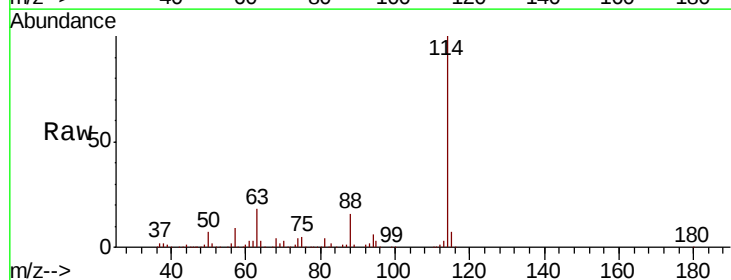
Tgt Ion: 114 Resp: 294025

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

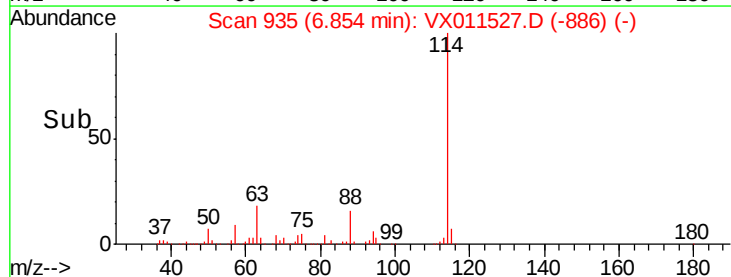
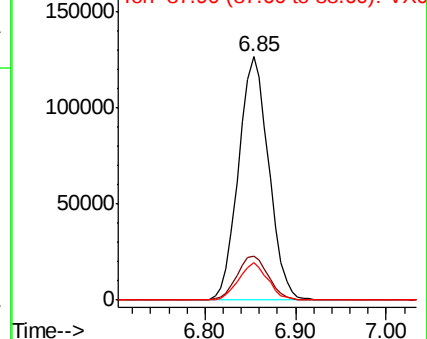
88 15.6 0.0 26.4

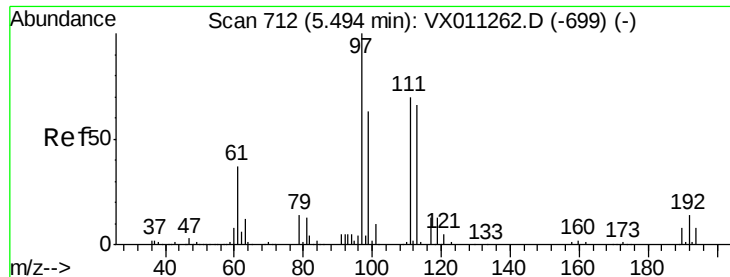


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

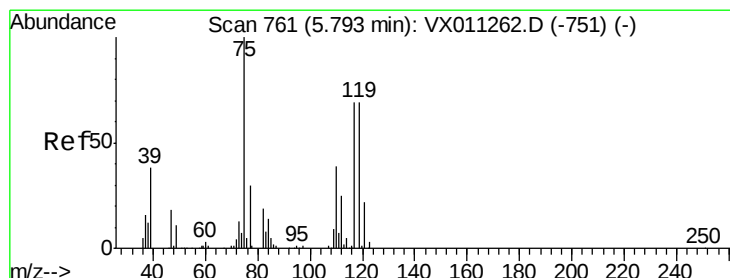
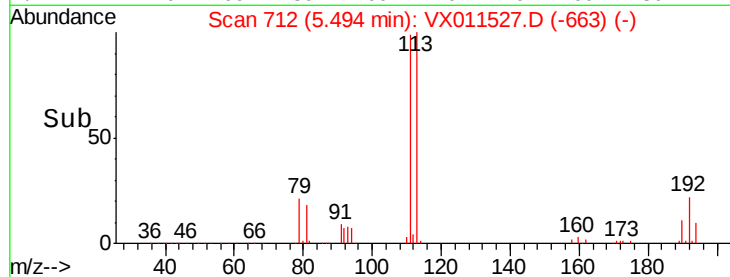
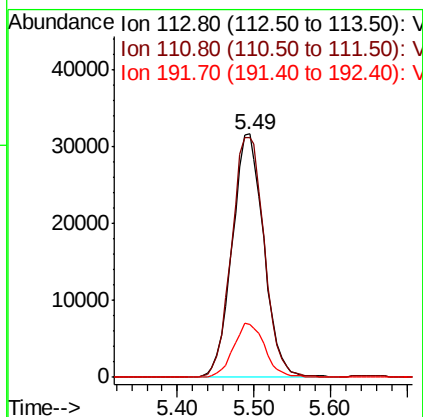
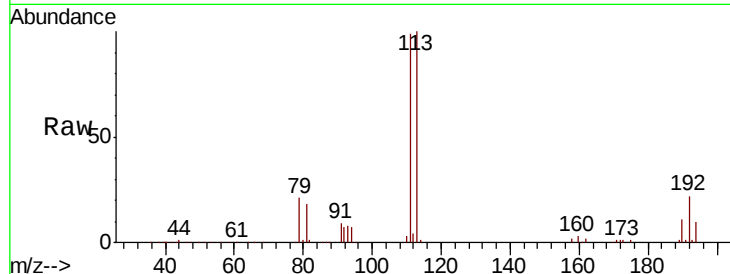




#35
 Dibromofluoromethane
 Concen: 47.019 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011527.D
 Acq: 13 Aug 2019 11:47

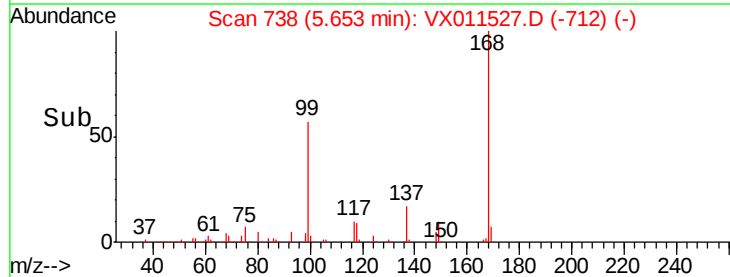
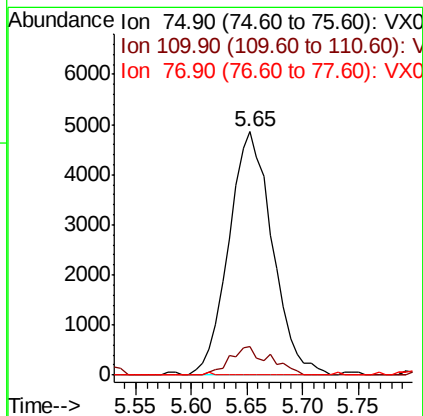
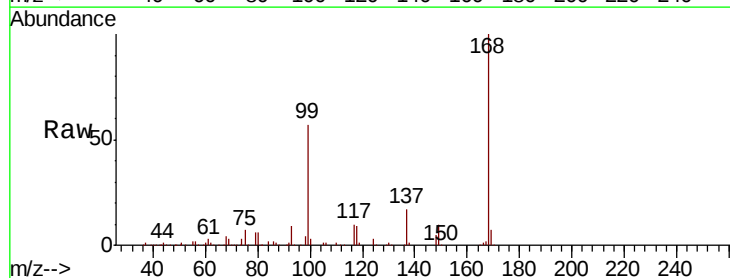
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB-2019-1

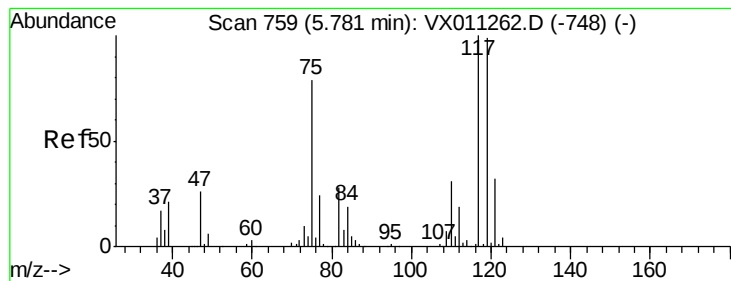
Tgt Ion:113 Resp: 90258
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.9 122.9
 192 22.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.147 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011527.D
 Acq: 13 Aug 2019 11:47

Tgt Ion: 75 Resp: 13213
 Ion Ratio Lower Upper
 75 100
 110 10.9 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.174 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-1

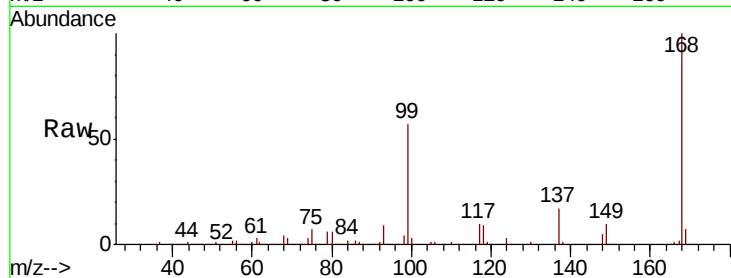
Tgt Ion:117 Resp: 18529

Ion Ratio Lower Upper

117 100

119 5.6 79.0 118.4#

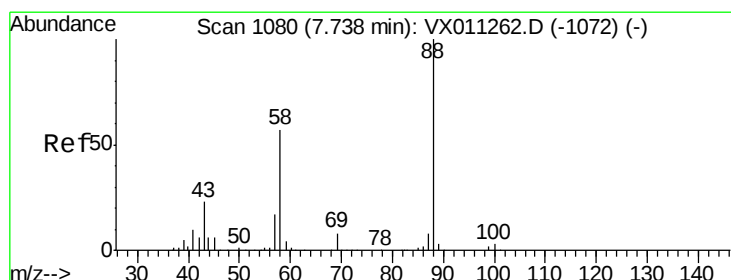
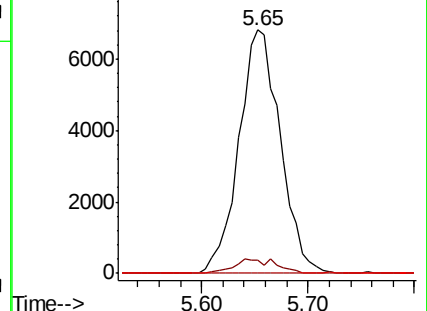
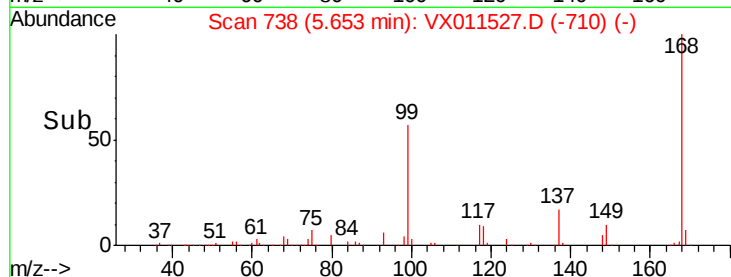
121 0.0 25.9 38.9#



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: 0.356 ug/l

RT: 7.91 min Scan# 1108

Delta R.T. 0.17 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

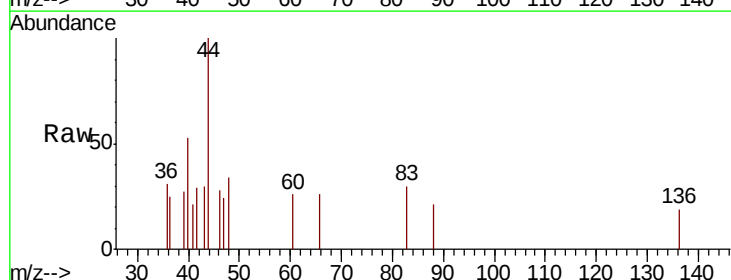
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

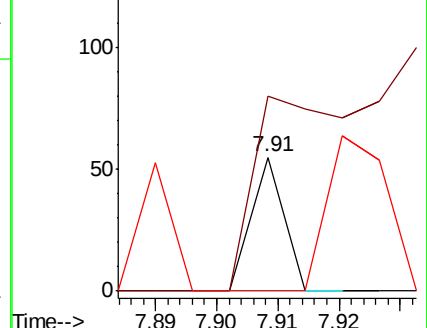
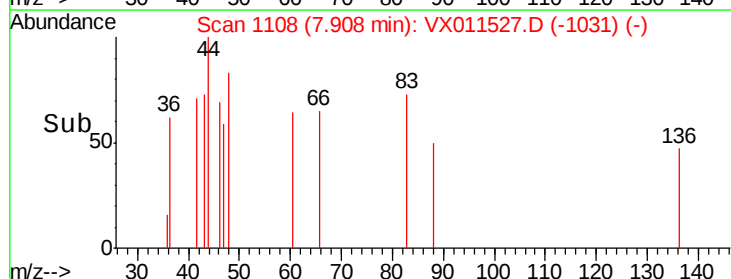
58 95.0 47.8 71.8#

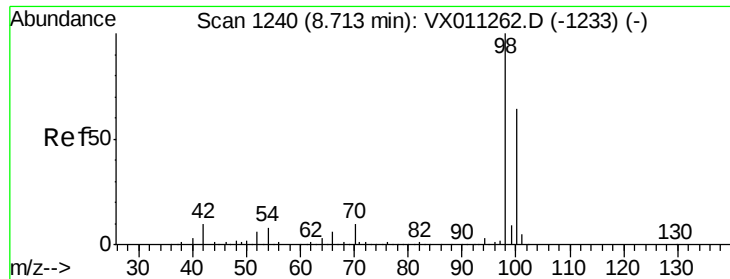


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.514 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampled :

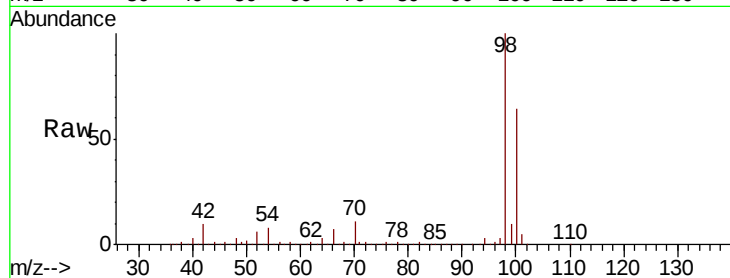
Z3-TB-2019-1

Tgt Ion: 98 Resp: 344285

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

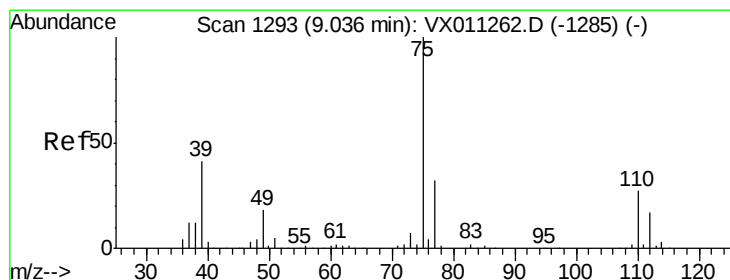
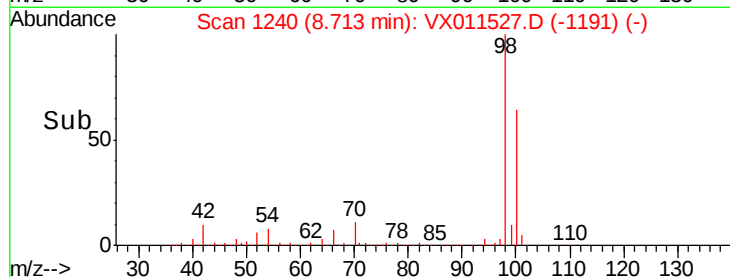
100000

50000

0

8.60 8.70 8.80

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.878 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX011527.D

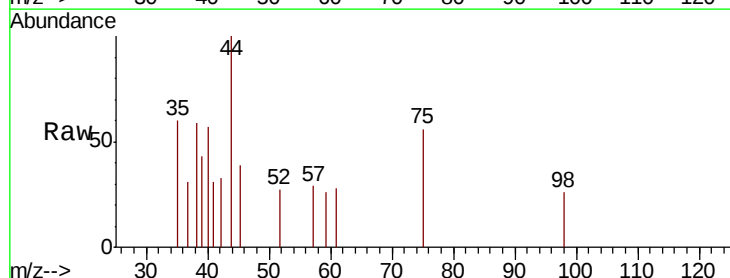
Acq: 13 Aug 2019 11:47

Tgt Ion: 75 Resp: 121

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

120

100

80

60

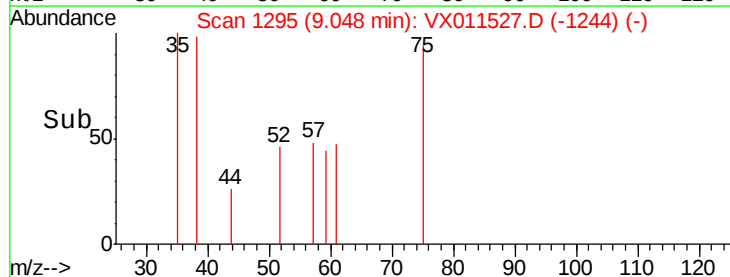
40

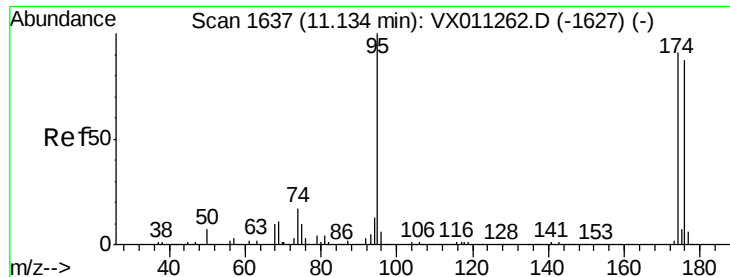
20

0

9.02 9.04 9.06

Time-->

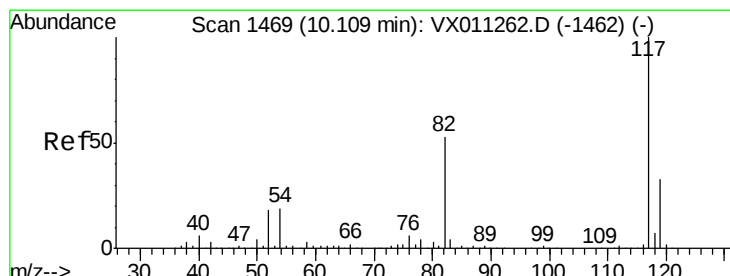
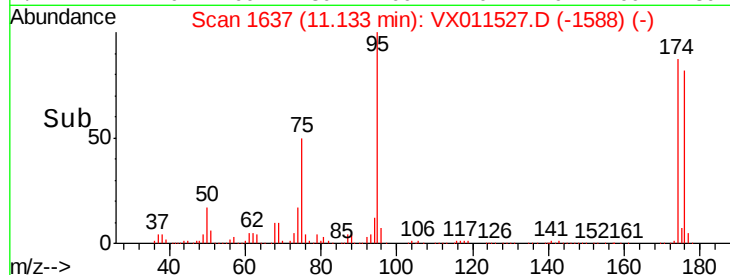
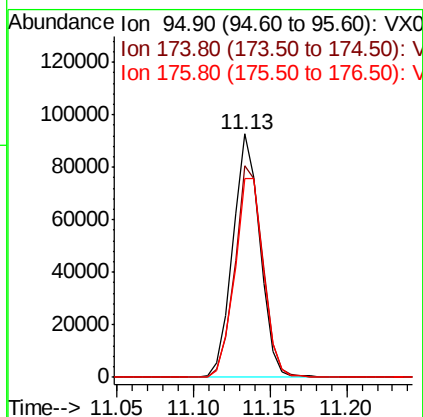
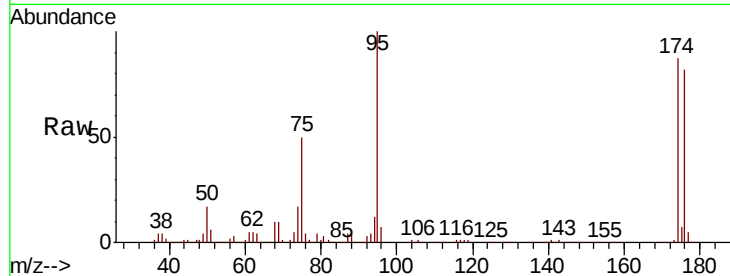




#62
4-Bromofluorobenzene
Concen: 44.020 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011527.D
Acq: 13 Aug 2019 11:47

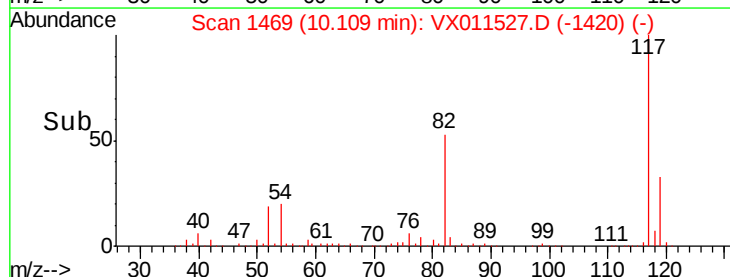
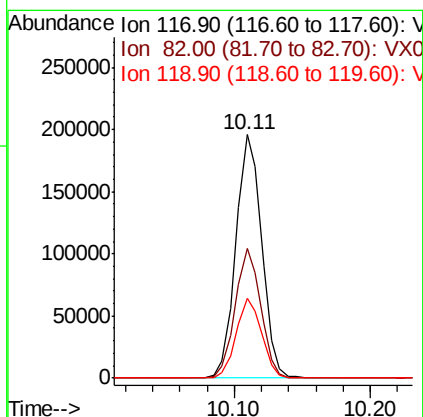
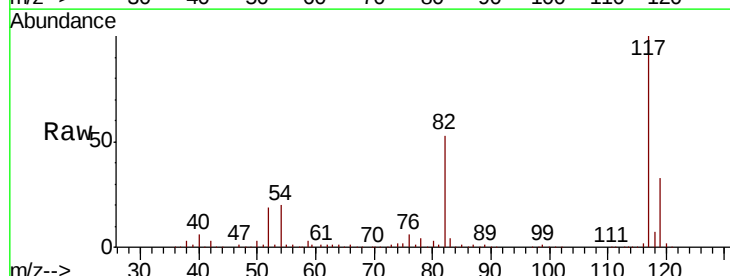
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-1

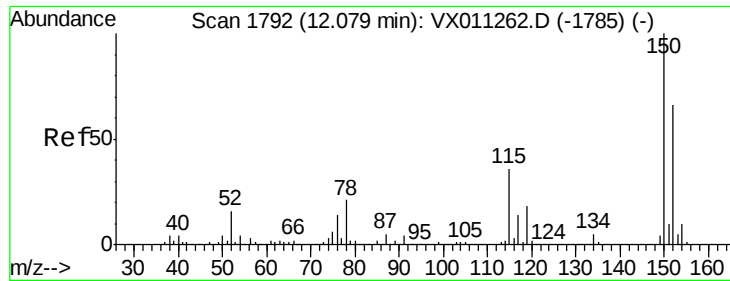
Tgt Ion: 95 Resp: 113882
Ion Ratio Lower Upper
95 100
174 89.6 0.0 191.2
176 86.7 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011527.D
Acq: 13 Aug 2019 11:47

Tgt Ion: 117 Resp: 259692
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.2
119 32.8 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: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-1

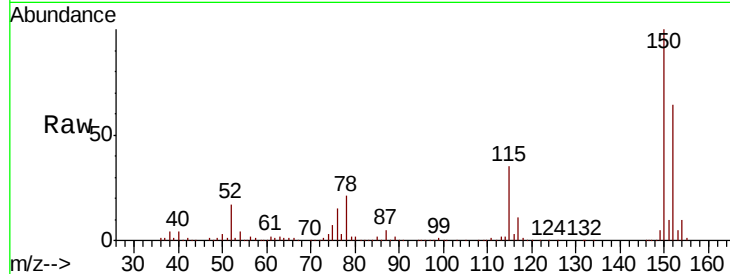
Tgt Ion: 152 Resp: 114203

Ion Ratio Lower Upper

152 100

115 56.8 40.0 119.9

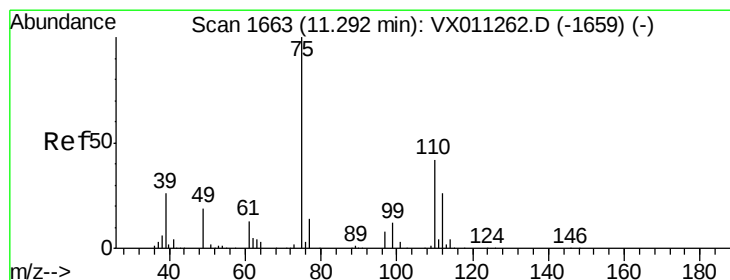
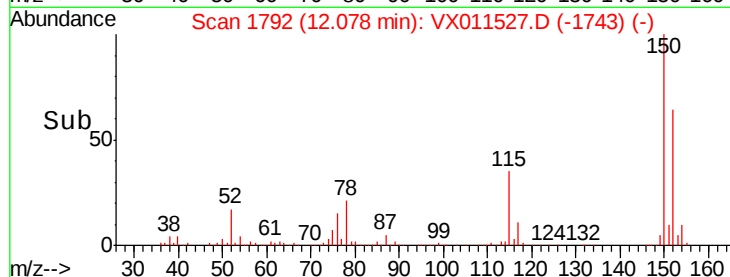
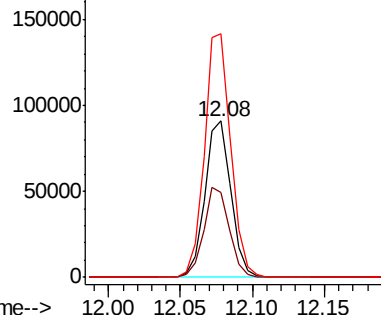
150 158.3 0.0 350.4



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: 27.785 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011527.D

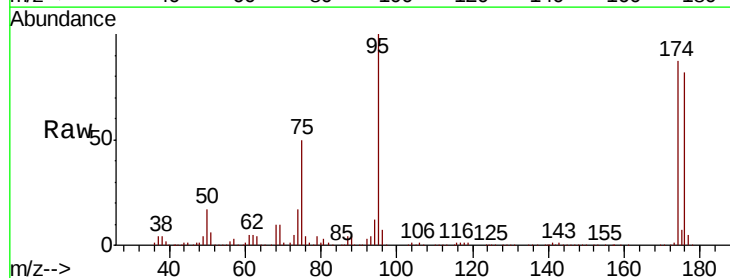
Acq: 13 Aug 2019 11:47

Tgt Ion: 75 Resp: 57787

Ion Ratio Lower Upper

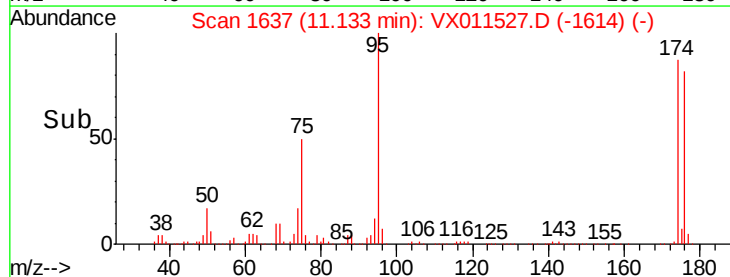
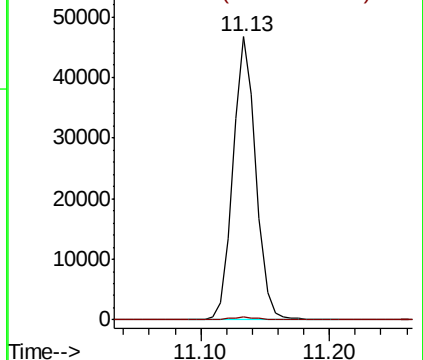
75 100

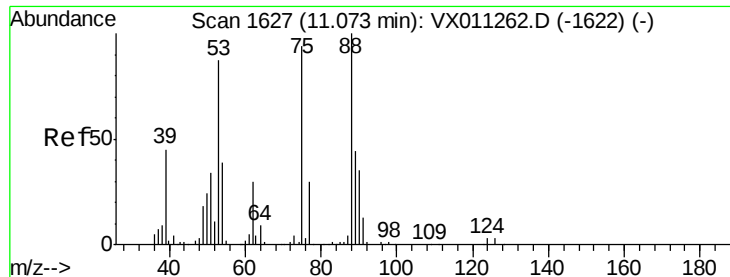
77 1.2 21.1 63.4#



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: 72.003 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-1

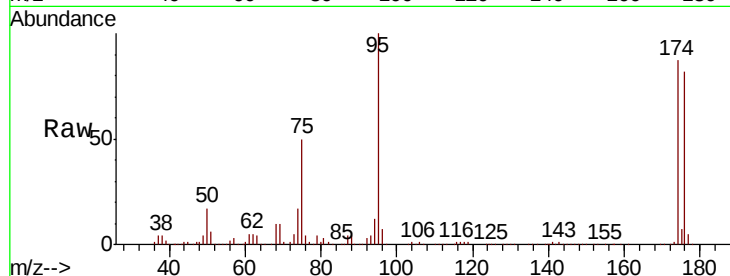
Tgt Ion: 75 Resp: 57787

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

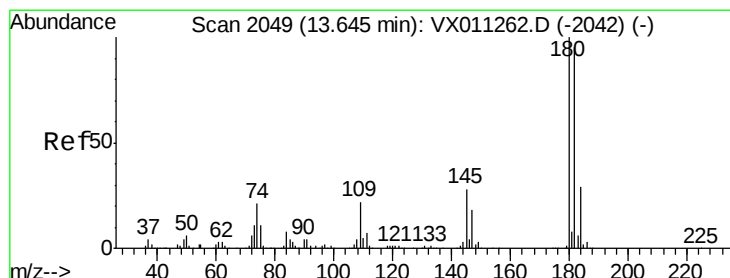
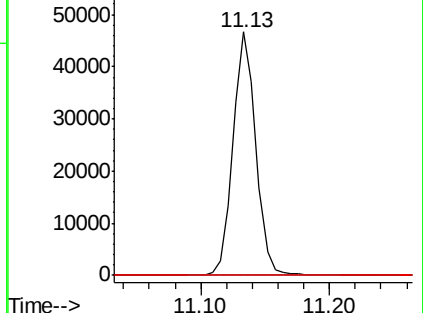
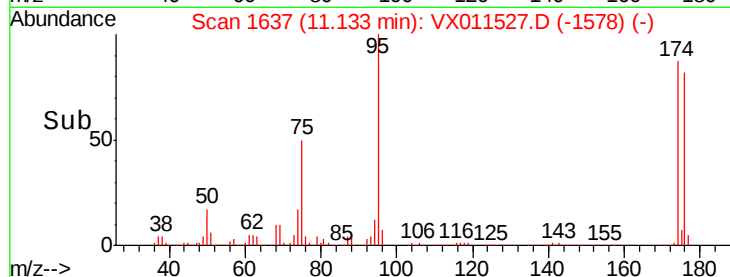
89 0.1 37.9 56.9#



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: 0.213 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX011527.D

Acq: 13 Aug 2019 11:47

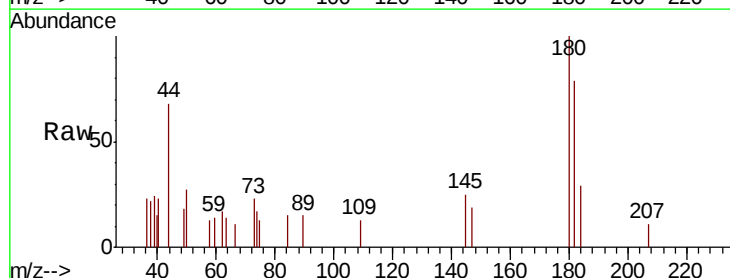
Tgt Ion: 180 Resp: 542

Ion Ratio Lower Upper

180 100

182 94.6 47.8 143.4

145 30.4 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

