

Data File : VX011303.D
Acq On : 02 Aug 2019 14:33
Operator : JC/SP
Sample : K4119-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-4

Quant Time: Aug 03 05:43:19 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	5.65	168	143733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	234235	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100030	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	77593	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	5.49	113	72546	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	8.71	98	277765	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.13	95	92798	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

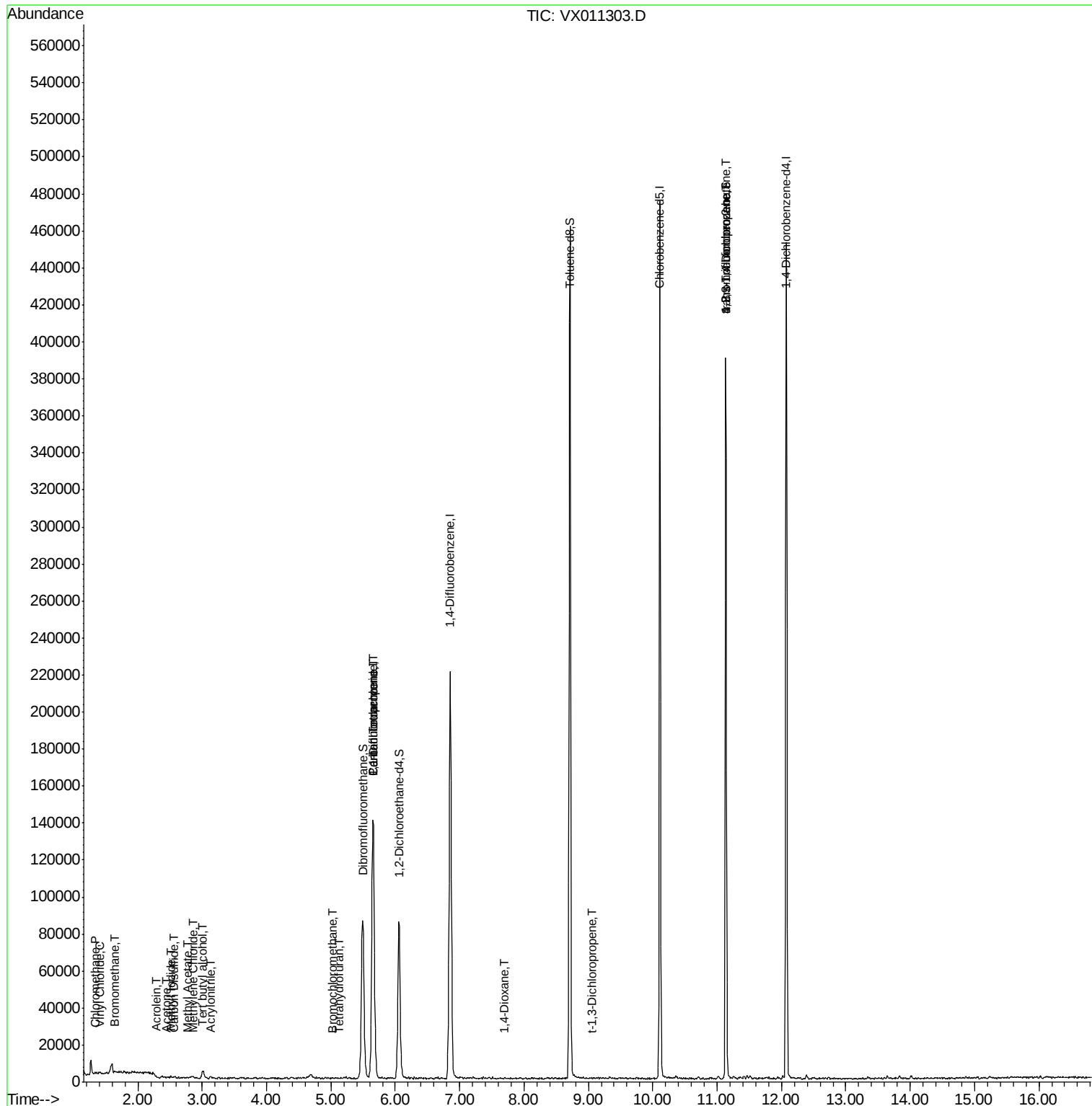
Target Compounds			Qvalue			
3) Chloromethane	1.33	50	324	0.260	ug/l #	54
4) Vinyl Chloride	1.40	62	282	0.206	ug/l #	83
5) Bromomethane	1.65	94	613	0.627	ug/l #	57
6) Chloroethane	1.73	64	74	Below Cal	#	43
10) Methyl Iodide	2.51	142	825	0.496	ug/l	98
11) Tert butyl alcohol	3.01	59	2253	7.828	ug/l #	75
13) Acrolein	2.29	56	186	0.616	ug/l #	79
15) Acrylonitrile	3.14	53	289	0.420	ug/l #	83
16) Acetone	2.44	43	367	0.533	ug/l #	85
17) Carbon Disulfide	2.56	76	978	0.319	ug/l #	81
18) Methyl Acetate	2.77	43	361	0.229	ug/l #	62
20) Methylene Chloride	2.87	84	496	0.329	ug/l #	29
28) Bromochloromethane	5.04	49	211	0.205	ug/l #	4
29) Tetrahydrofuran	5.12	42	217	0.361	ug/l #	74
36) 1,1-Dichloropropene	5.66	75	9801	4.792	ug/l #	43
38) Carbon Tetrachloride	5.66	117	13496	6.559	ug/l #	15
49) 1,4-Dioxane	7.69	88	20	0.447	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	210	2.925	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	46188	25.355	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	46188	66.101	ug/l #	11

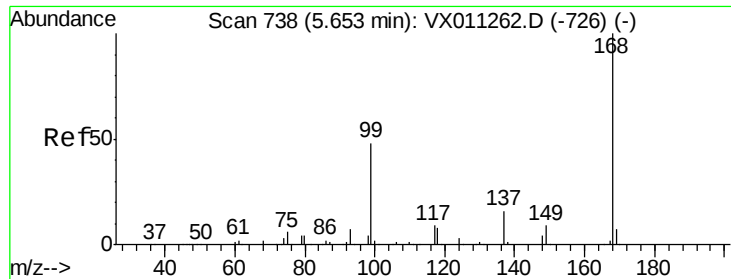
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

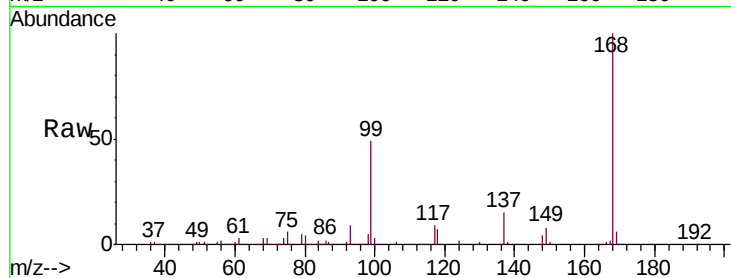
Z3-TB-2019-4

Tgt Ion:168 Resp: 143733

Ion Ratio Lower Upper

168 100

99 48.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

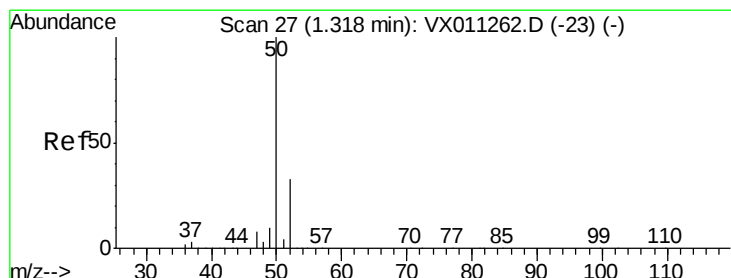
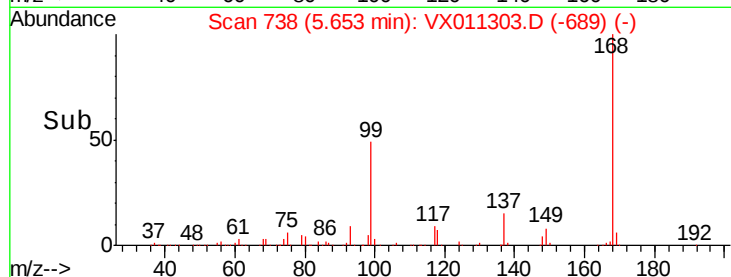
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.260 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX011303.D

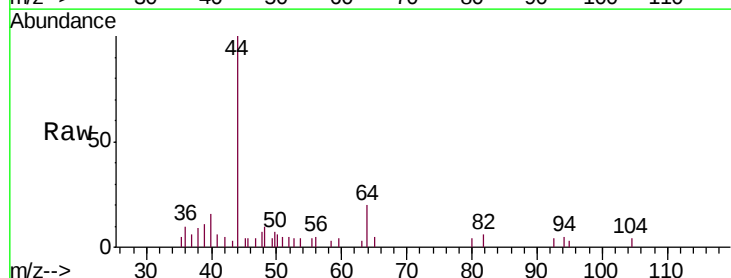
Acq: 02 Aug 2019 14:33

Tgt Ion: 50 Resp: 324

Ion Ratio Lower Upper

50 100

52 7.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250

200

150

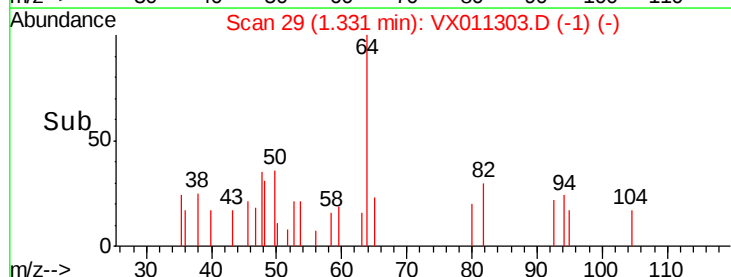
100

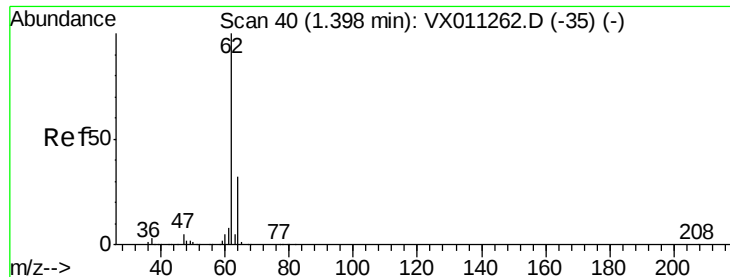
50

0

Time-->

1.30 1.32 1.34





#4

Vinyl Chloride

Concen: 0.206 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

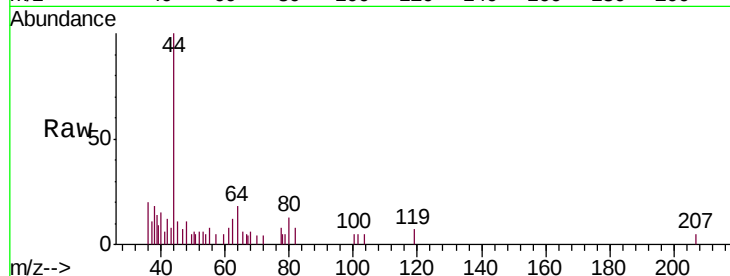
Z3-TB-2019-4

Tgt Ion: 62 Resp: 282

Ion Ratio Lower Upper

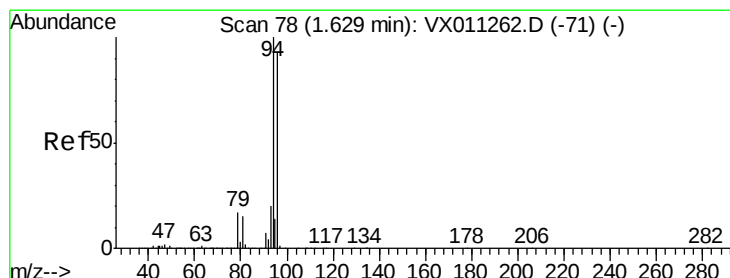
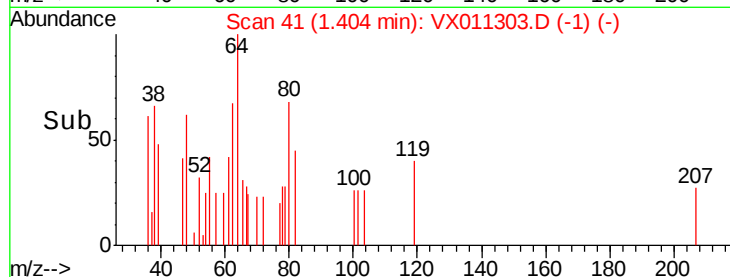
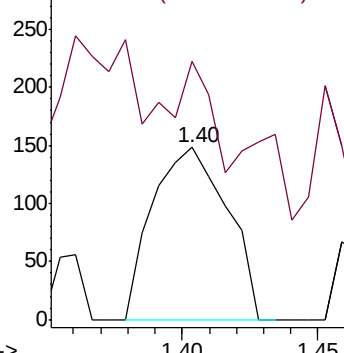
62 100

64 41.9 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.627 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011303.D

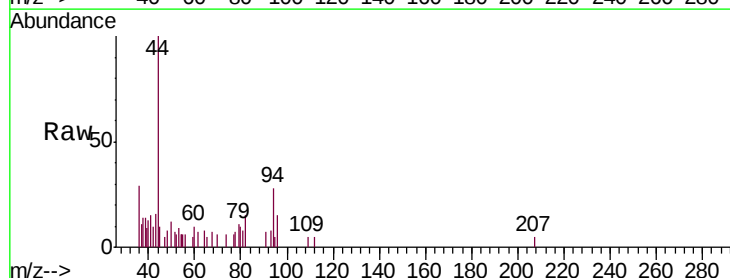
Acq: 02 Aug 2019 14:33

Tgt Ion: 94 Resp: 613

Ion Ratio Lower Upper

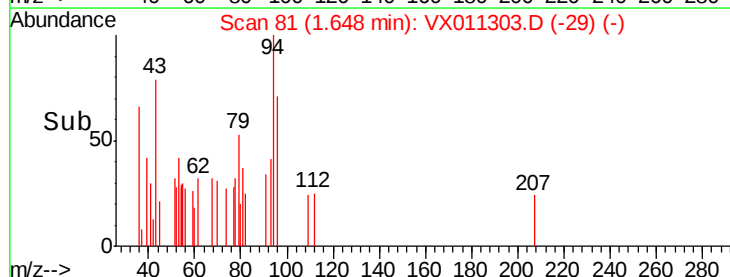
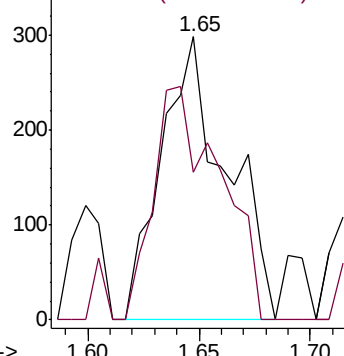
94 100

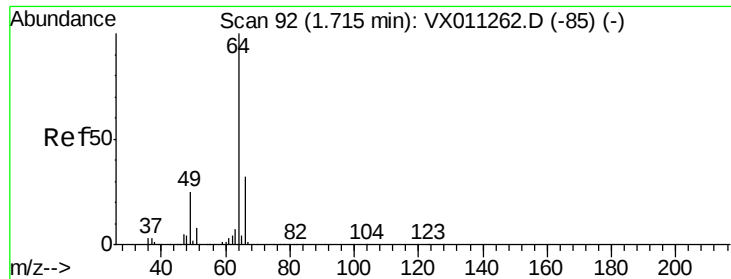
96 52.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

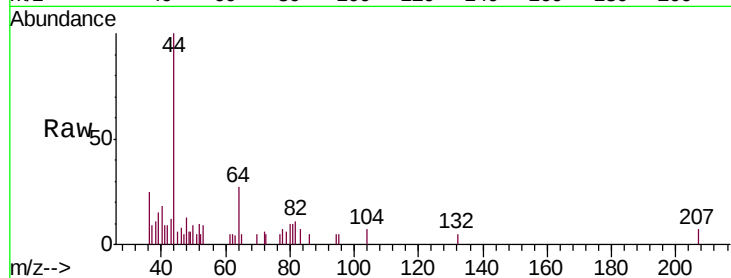
Z3-TB-2019-4

Tgt Ion: 64 Resp: 74

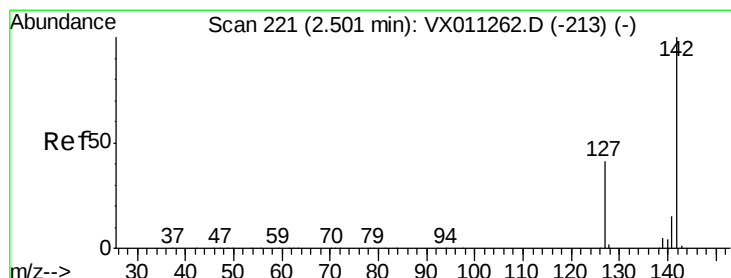
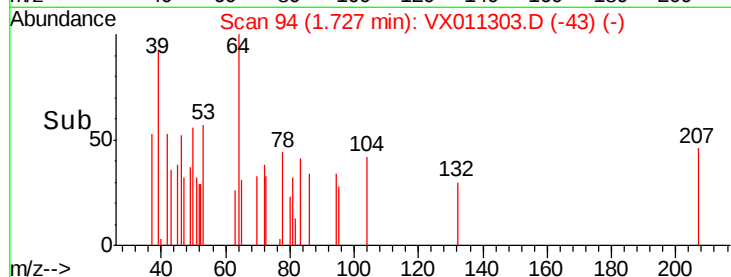
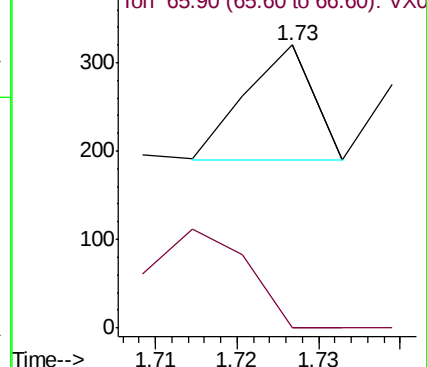
Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 0.496 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

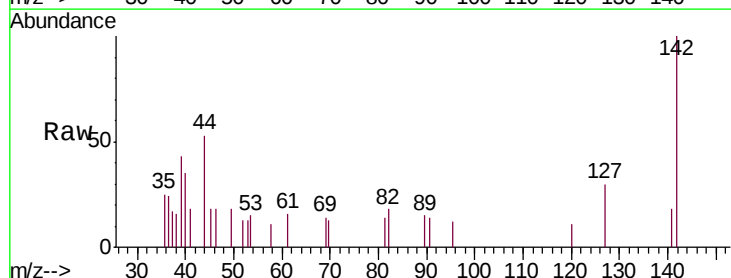
Tgt Ion: 142 Resp: 825

Ion Ratio Lower Upper

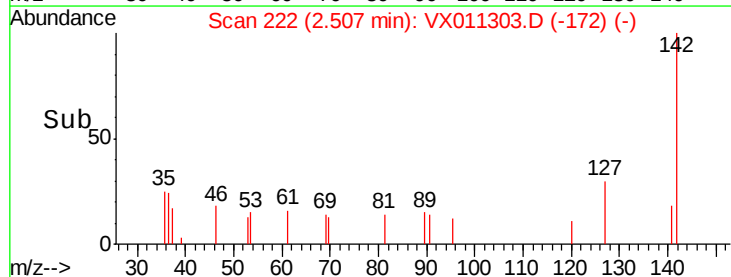
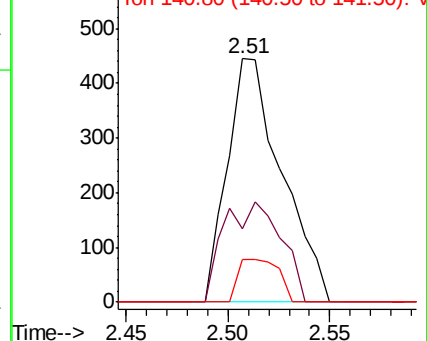
142 100

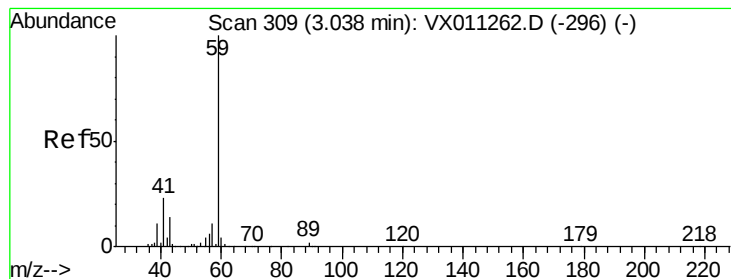
127 43.2 33.8 50.8

141 12.8 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V





#11

Tert butyl alcohol

Concen: 7.828 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampled :

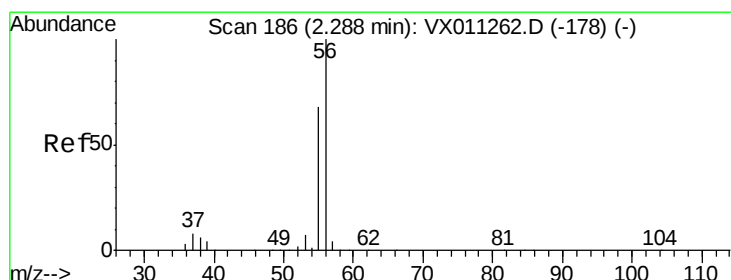
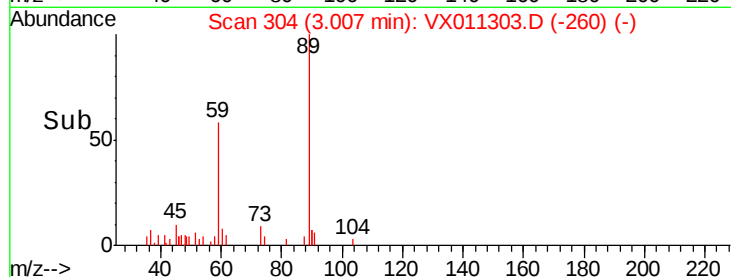
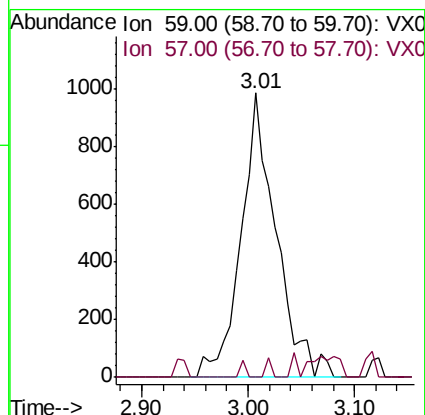
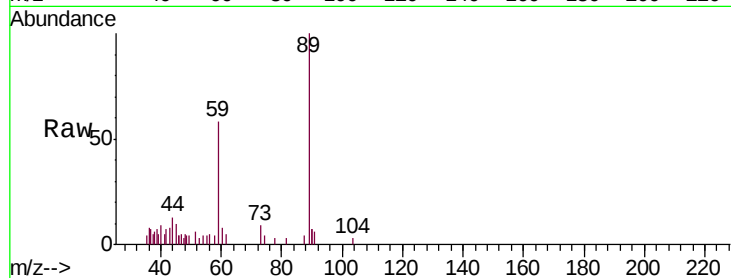
Z3-TB-2019-4

Tgt Ion: 59 Resp: 2253

Ion Ratio Lower Upper

59 100

57 1.1 8.3 12.5#



#13

Acrolein

Concen: 0.616 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX011303.D

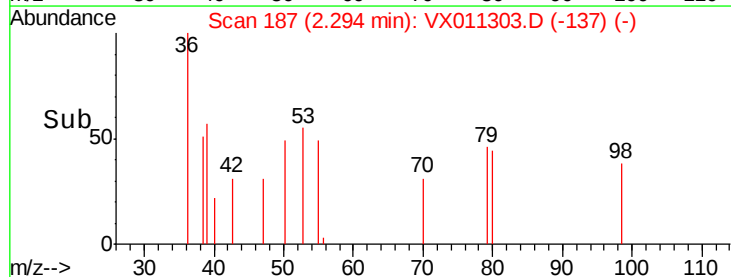
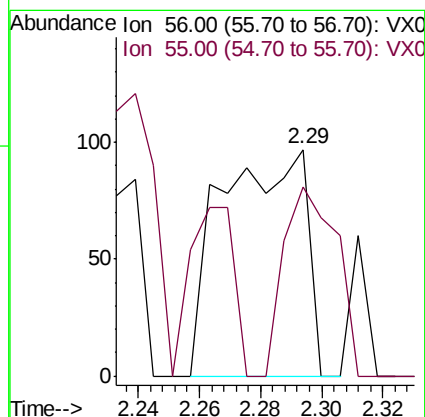
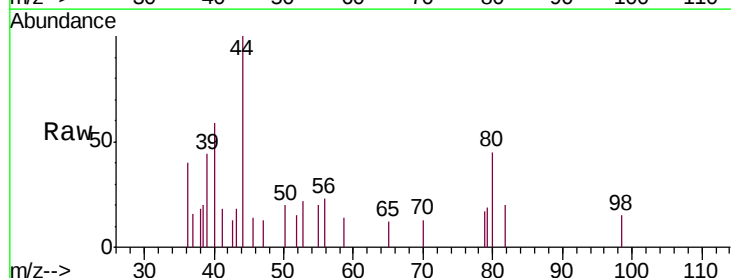
Acq: 02 Aug 2019 14:33

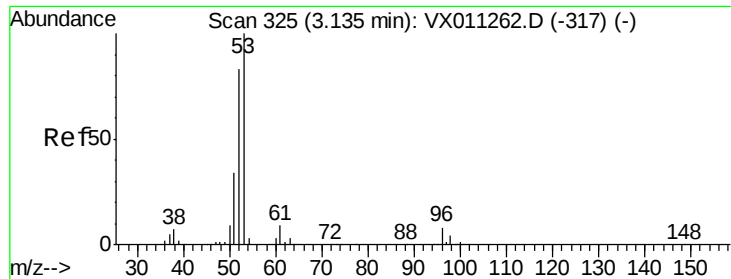
Tgt Ion: 56 Resp: 186

Ion Ratio Lower Upper

56 100

55 52.7 56.0 84.0#





#15

Acrylonitrile

Concen: 0.420 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB-2019-4

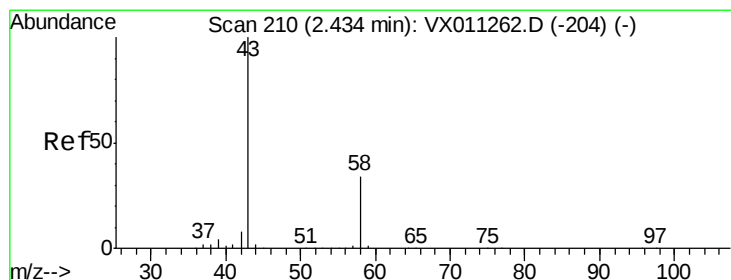
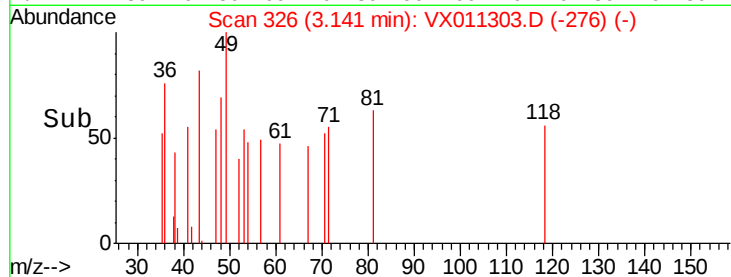
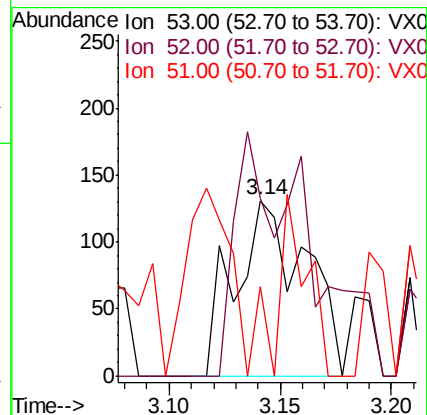
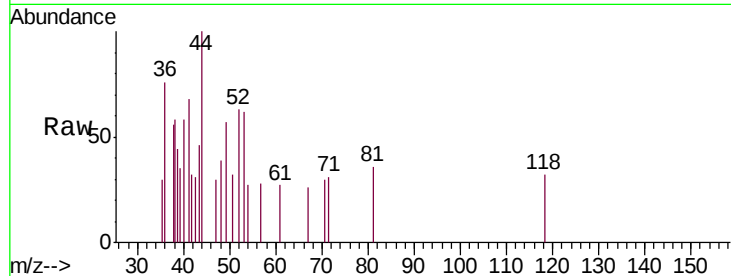
Tgt Ion: 53 Resp: 289

Ion Ratio Lower Upper

53 100

52 67.5 65.5 98.3

51 45.0 27.9 41.9#



#16

Acetone

Concen: 0.533 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011303.D

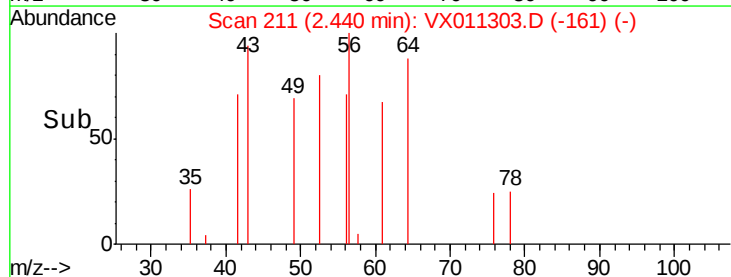
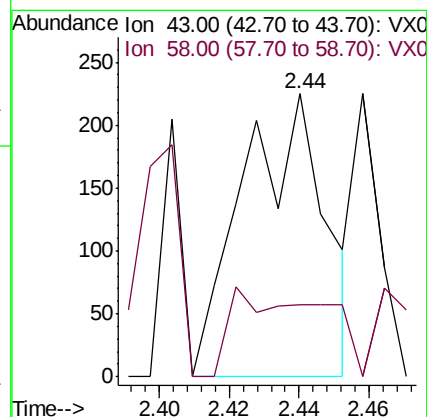
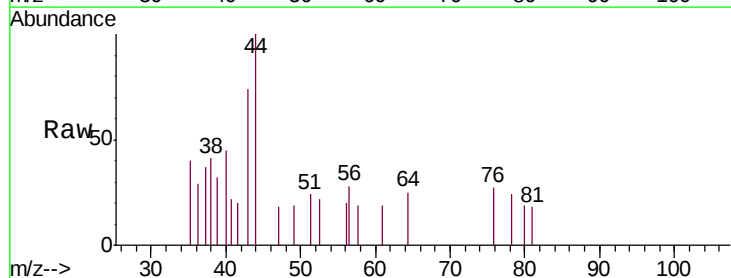
Acq: 02 Aug 2019 14:33

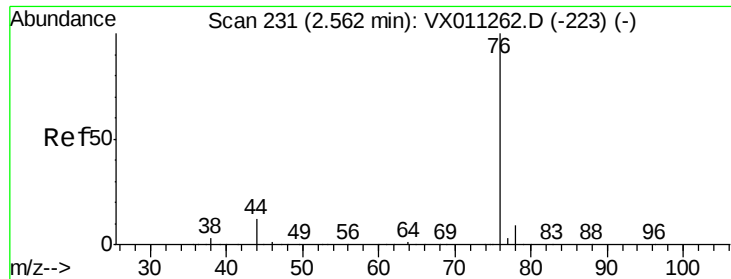
Tgt Ion: 43 Resp: 367

Ion Ratio Lower Upper

43 100

58 25.3 27.4 41.0#

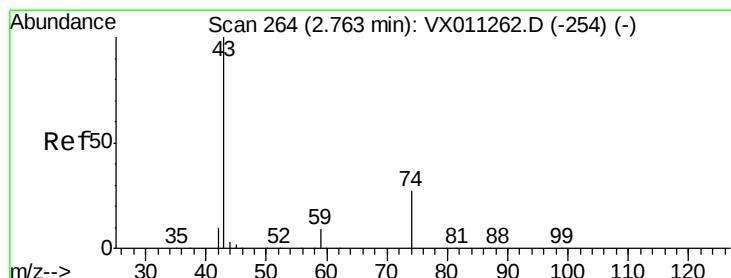
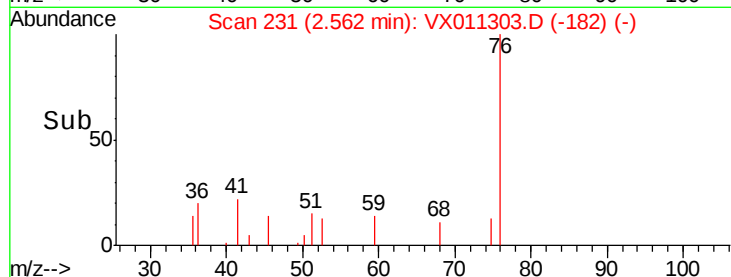
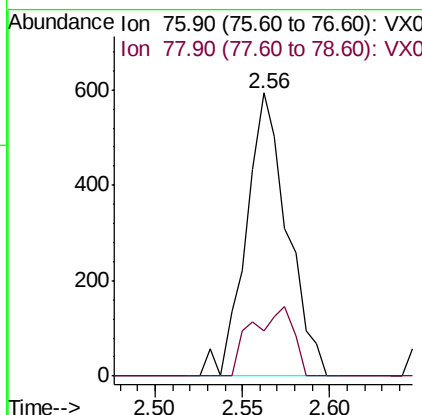
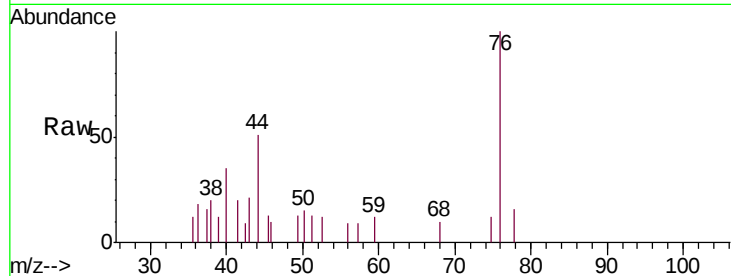




#17
Carbon Disulfide
Concen: 0.319 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

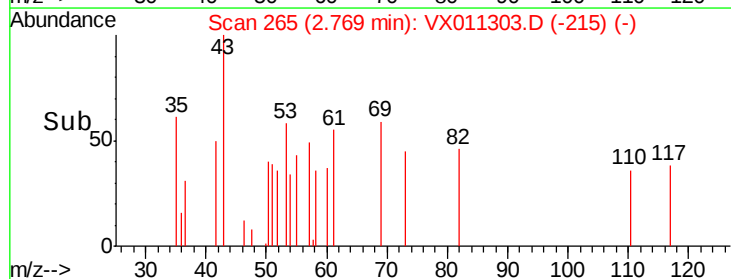
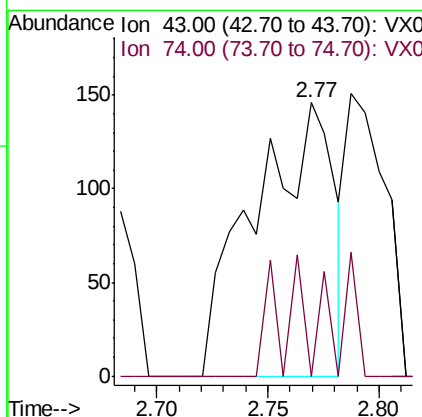
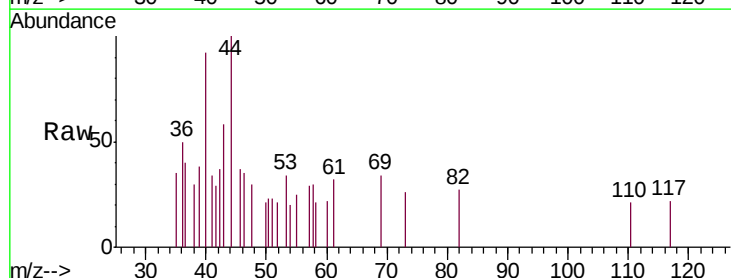
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-4

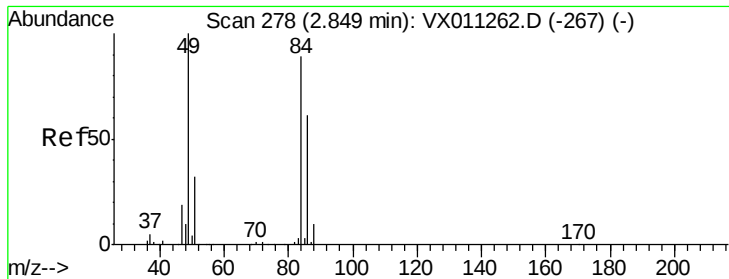
Tgt Ion: 76 Resp: 978
Ion Ratio Lower Upper
76 100
78 16.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

Tgt Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
74 6.6 21.0 31.6#





#20

Methylene Chloride

Concen: 0.329 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.02 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampled :

Z3-TB-2019-4

Tgt Ion: 84 Resp: 496

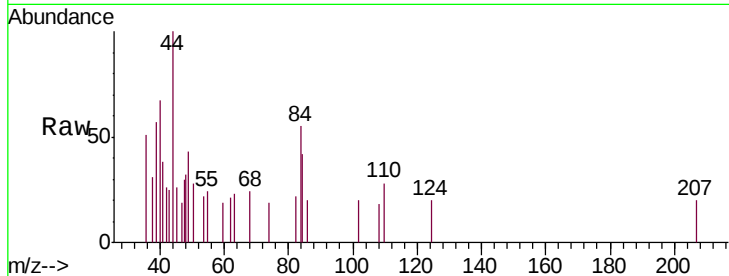
Ion Ratio Lower Upper

84 100

49 23.2 89.3 133.9#

51 0.0 28.3 42.5#

86 21.0 54.5 81.7#



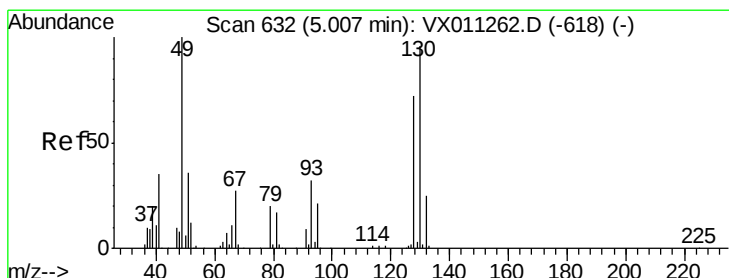
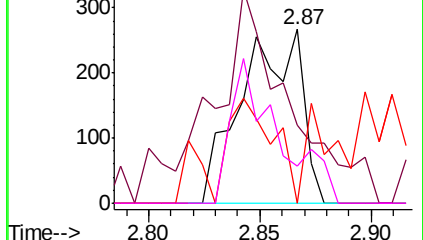
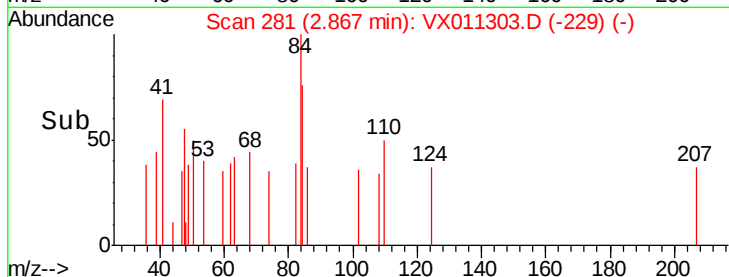
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

Time-->



#28

Bromochloromethane

Concen: 0.205 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.03 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

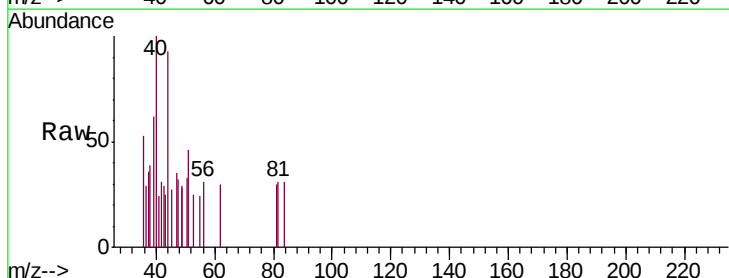
Tgt Ion: 49 Resp: 211

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.8

130 0.0 77.9 116.9#

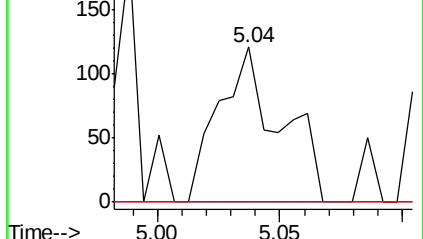
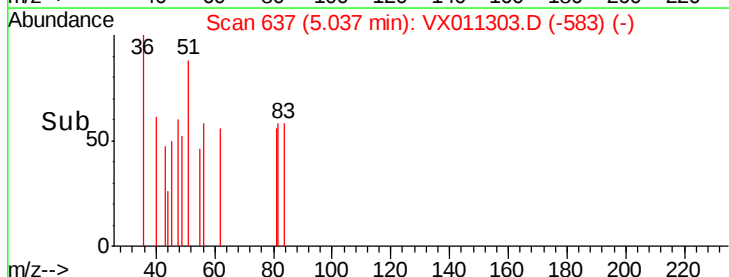


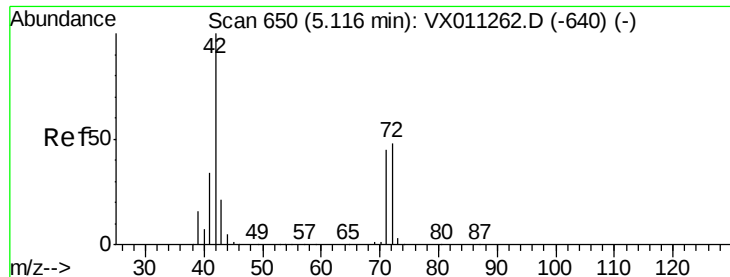
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->





#29

Tetrahydrofuran

Concen: 0.361 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.01 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampled :

Z3-TB-2019-4

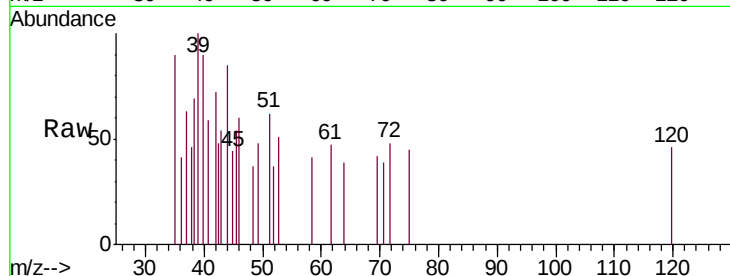
Tgt Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 48.4 39.9 59.9

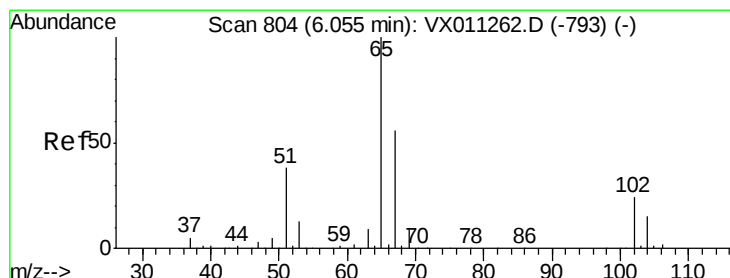
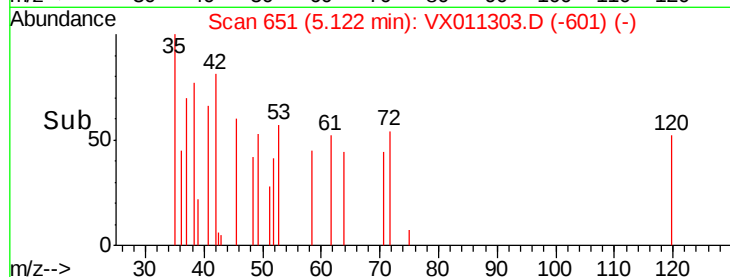
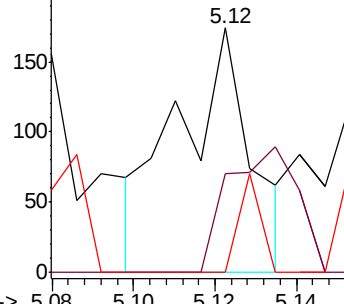
71 12.0 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.606 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011303.D

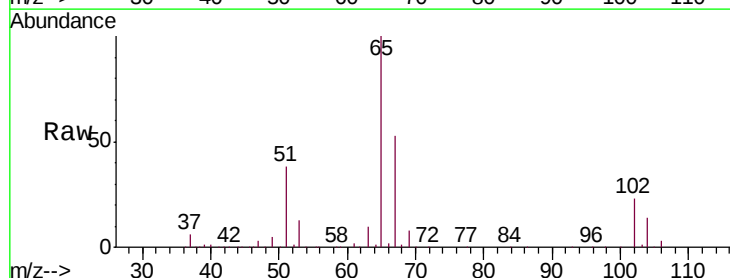
Acq: 02 Aug 2019 14:33

Tgt Ion: 65 Resp: 77593

Ion Ratio Lower Upper

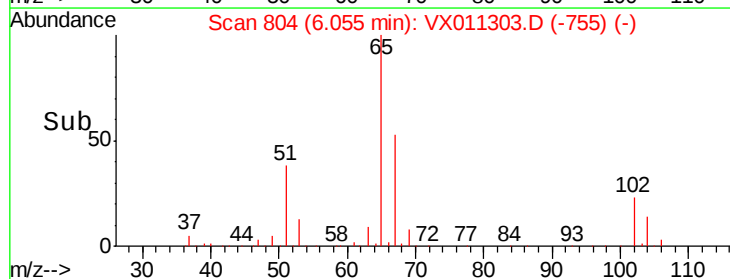
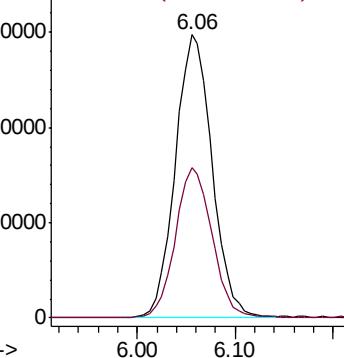
65 100

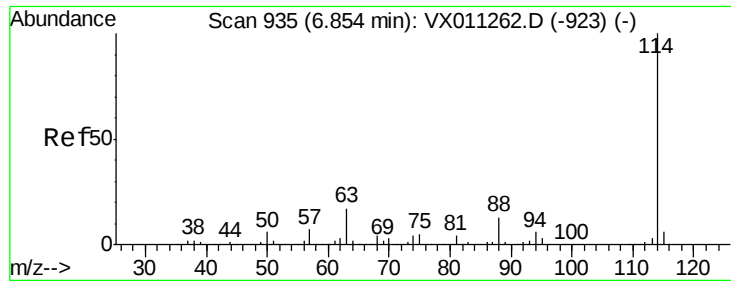
67 53.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

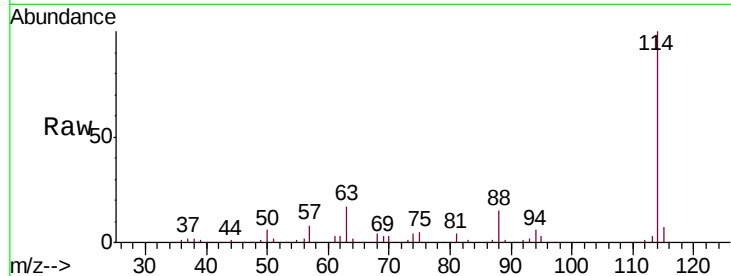




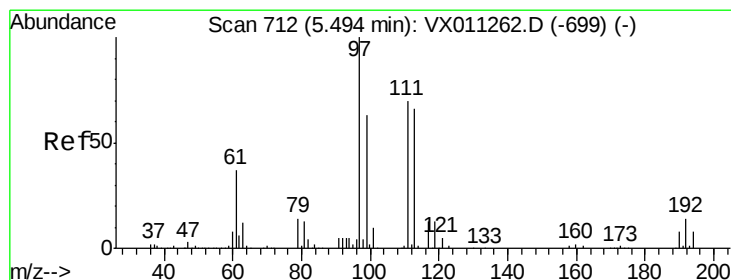
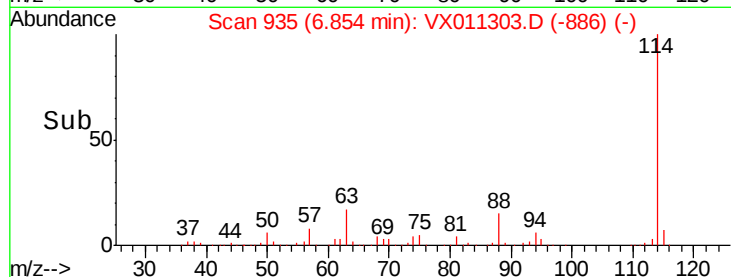
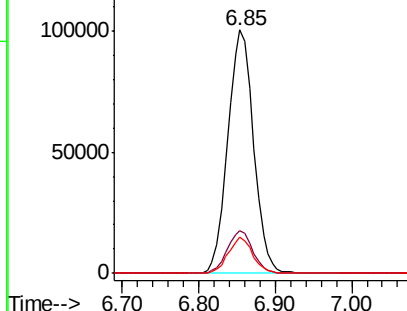
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.00 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-4

Tgt Ion:114 Resp: 234235
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.0
88 14.7 0.0 26.4

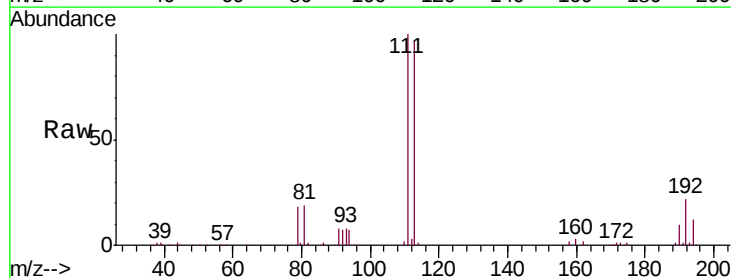


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

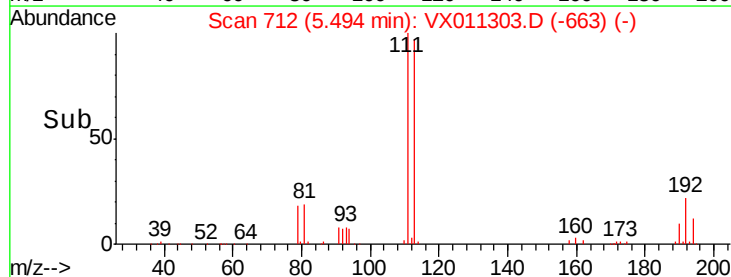
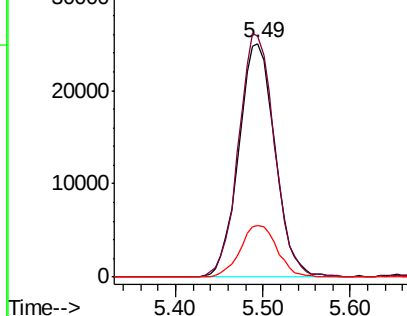


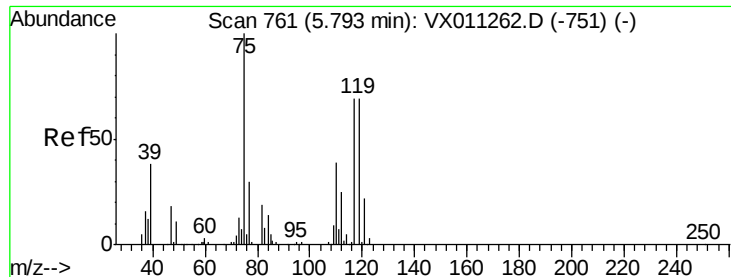
#35
Dibromofluoromethane
Concen: 47.438 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

Tgt Ion:113 Resp: 72546
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 22.6 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

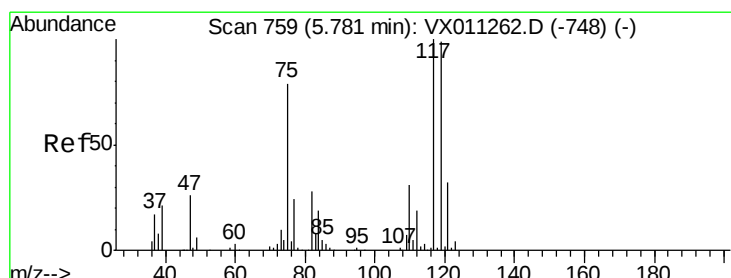
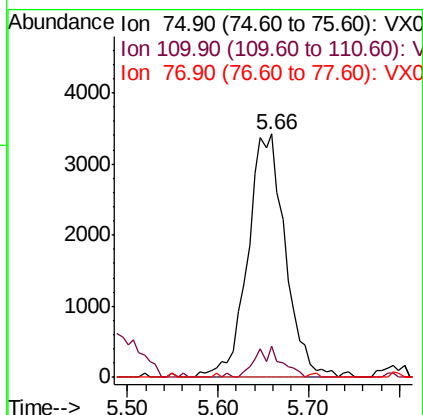
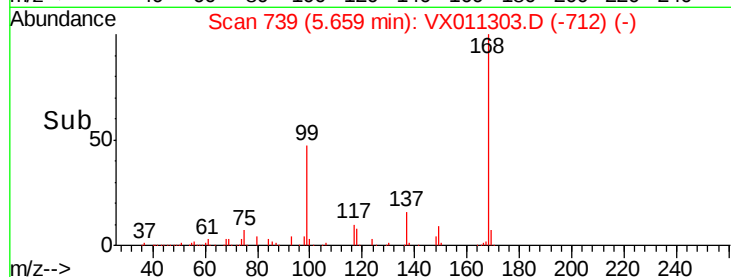
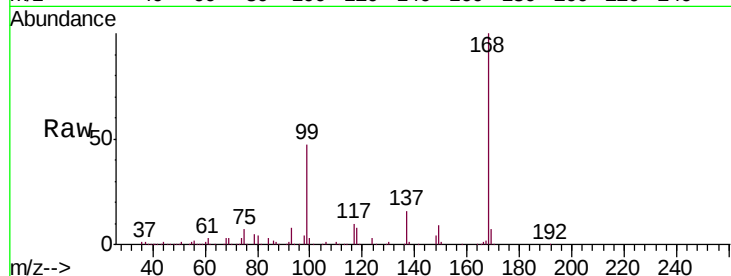




#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011303.D
 Acq: 02 Aug 2019 14:33

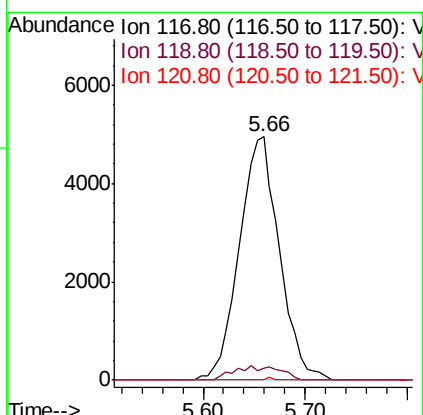
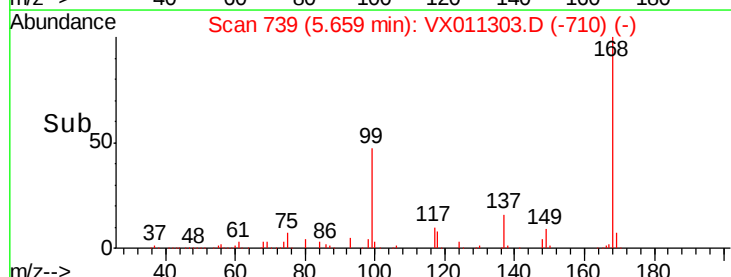
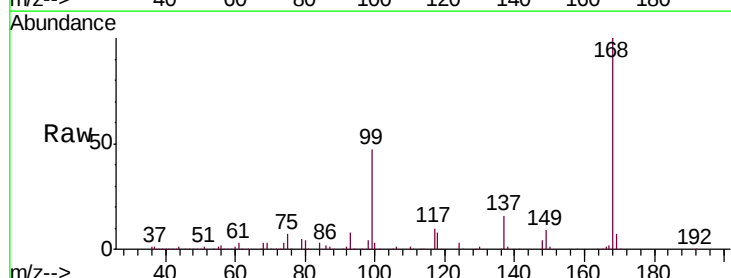
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB-2019-4

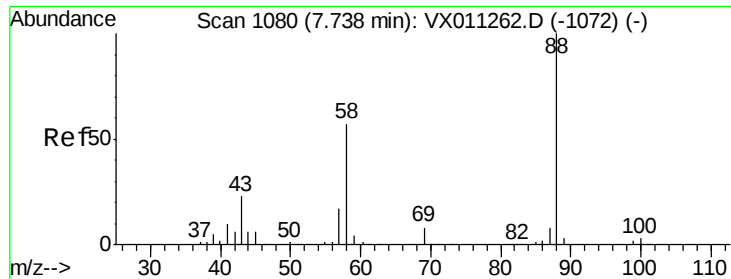
Tgt Ion: 75 Resp: 9801
 Ion Ratio Lower Upper
 75 100
 110 4.2 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.559 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011303.D
 Acq: 02 Aug 2019 14:33

Tgt Ion: 117 Resp: 13496
 Ion Ratio Lower Upper
 117 100
 119 5.1 79.0 118.4#
 121 0.0 25.9 38.9#

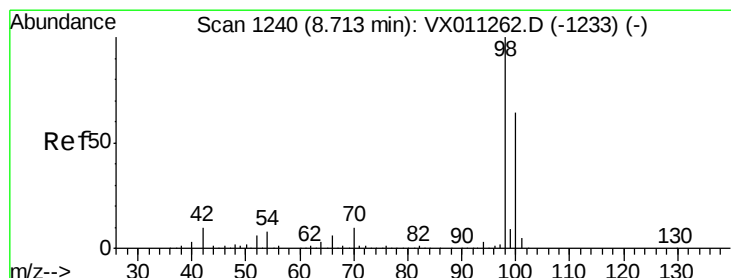
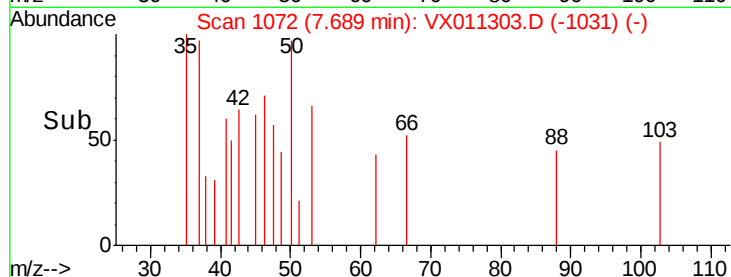
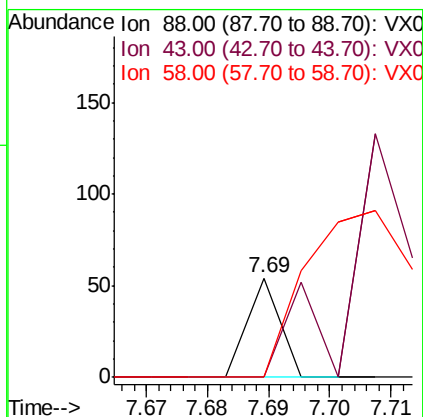
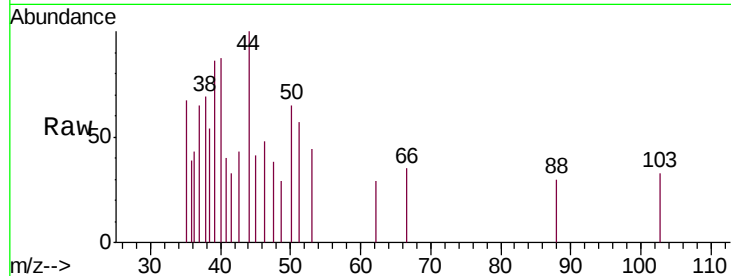




#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.05 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

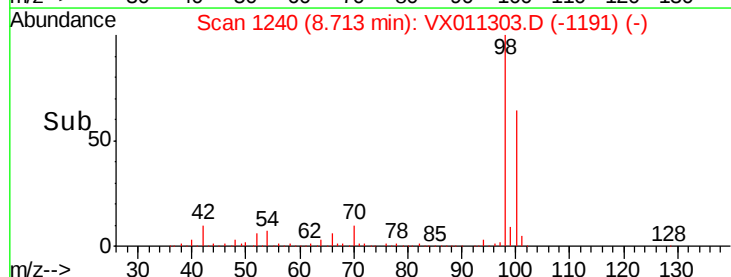
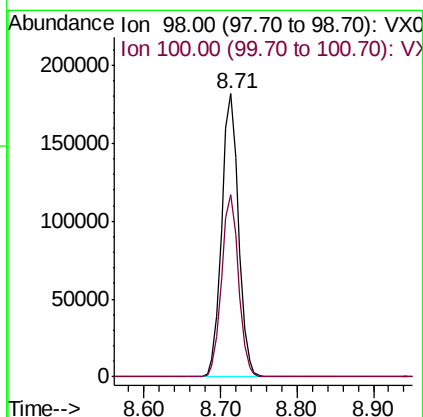
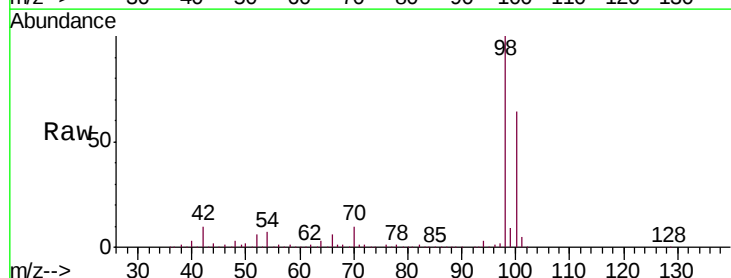
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-4

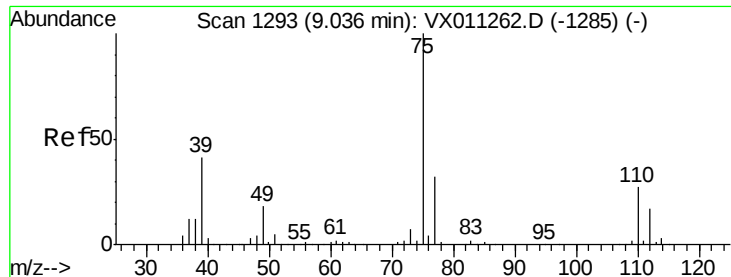
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 565.0 22.2 33.2#
58 535.0 47.8 71.8#



#50
Toluene-d8
Concen: 48.118 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

Tgt Ion: 98 Resp: 277765
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

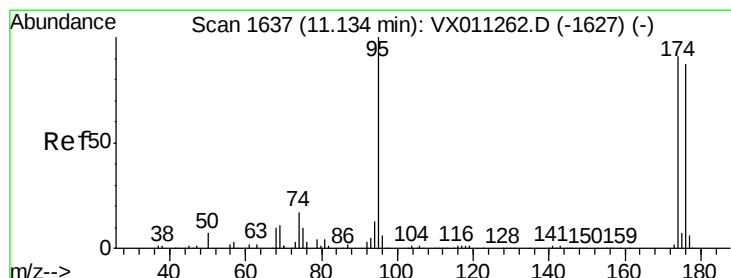
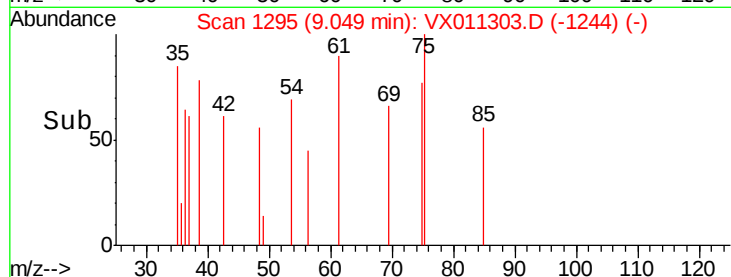
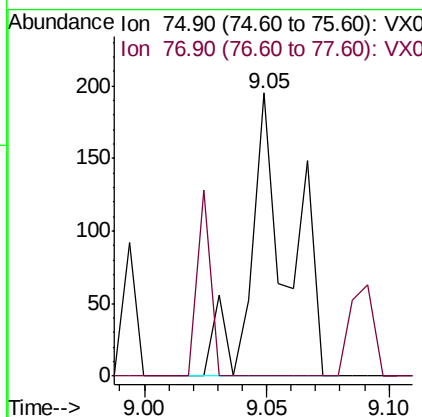
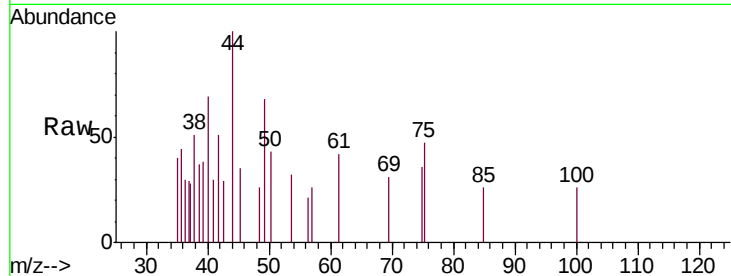




#53
t-1,3-Dichloropropene
Concen: 2.925 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

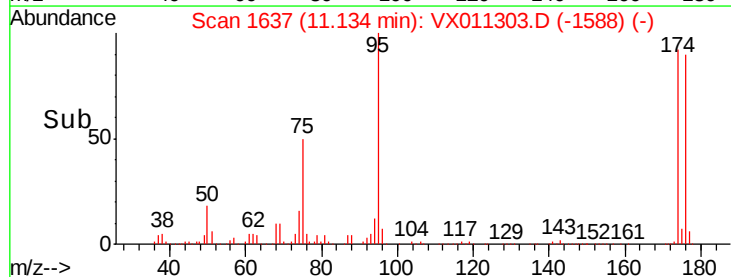
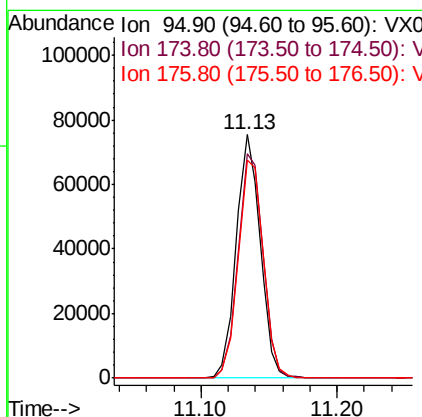
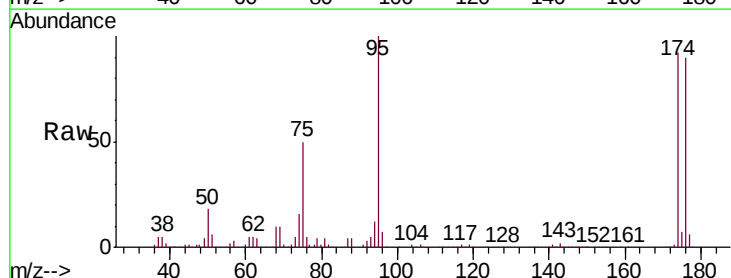
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB-2019-4

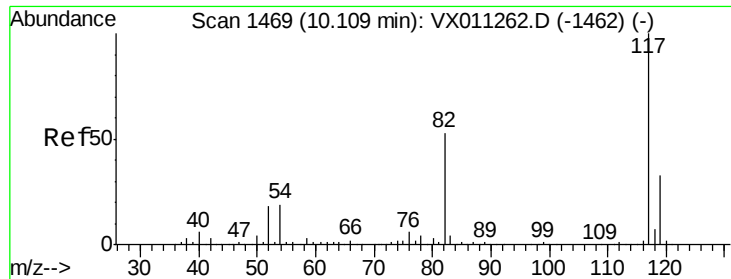
Tgt Ion: 75 Resp: 210
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 45.027 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

Tgt Ion: 95 Resp: 92798
Ion Ratio Lower Upper
95 100
174 96.0 0.0 191.2
176 93.8 0.0 184.8

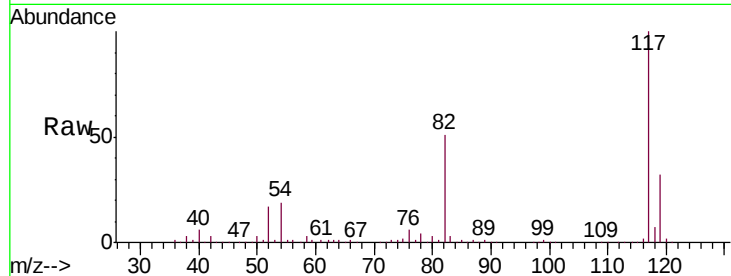




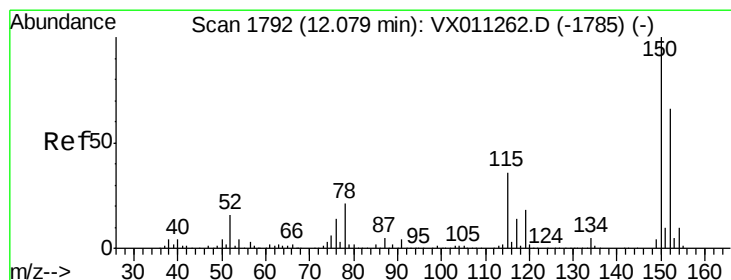
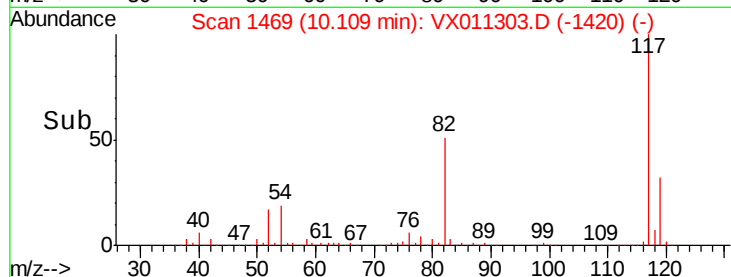
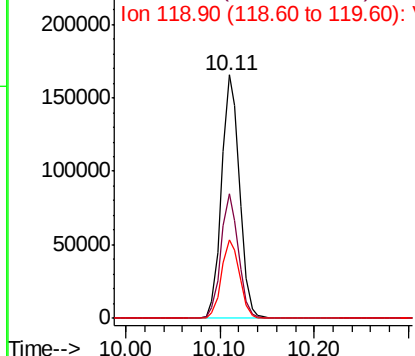
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

Instrument :
MSVOA_X
ClientSampled :
Z3-TB-2019-4

Tgt Ion:117 Resp: 218858
Ion Ratio Lower Upper
117 100
82 51.3 42.2 63.2
119 32.2 26.6 39.8

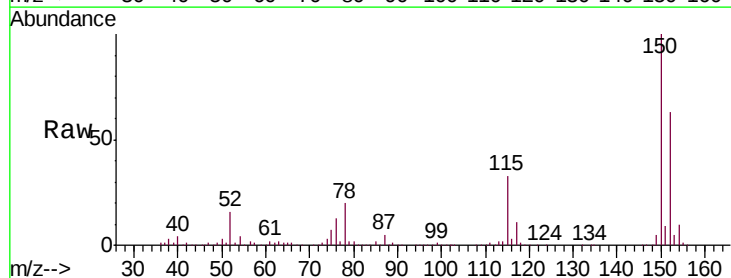


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

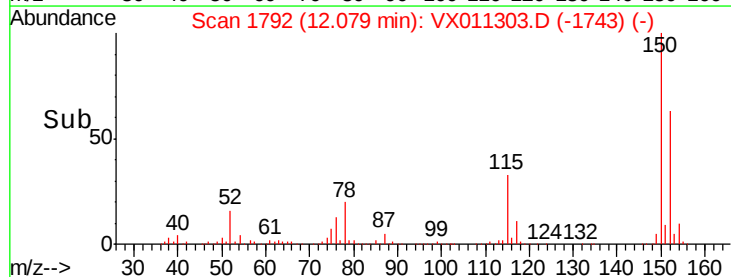
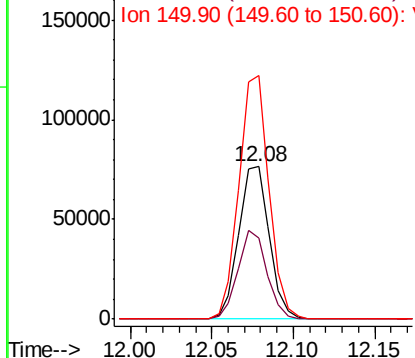


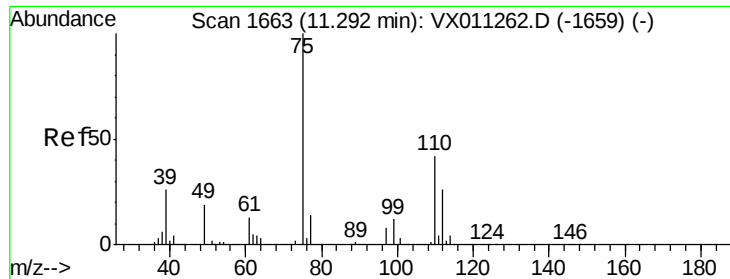
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011303.D
Acq: 02 Aug 2019 14:33

Tgt Ion:152 Resp: 100030
Ion Ratio Lower Upper
152 100
115 55.4 40.0 119.9
150 157.0 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: 25.355 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

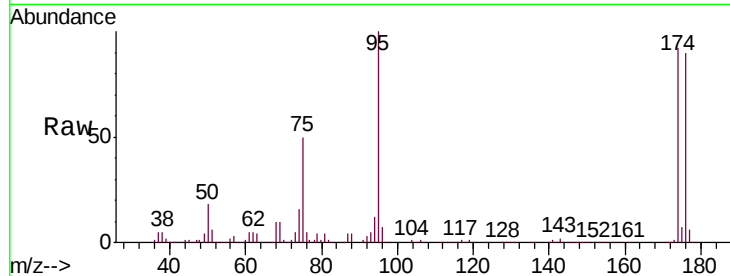
Z3-TB-2019-4

Tgt Ion: 75 Resp: 46188

Ion Ratio Lower Upper

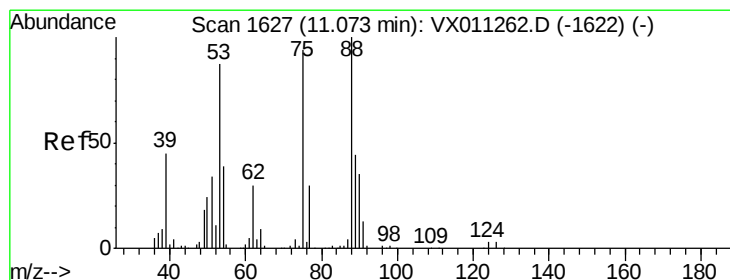
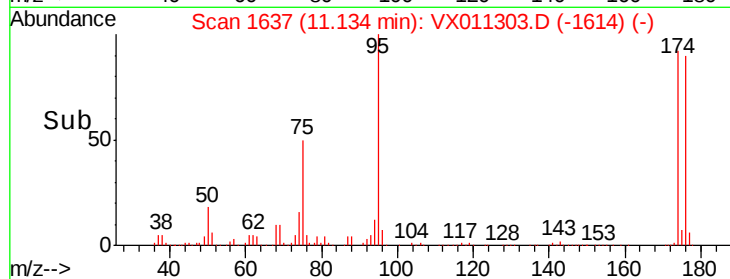
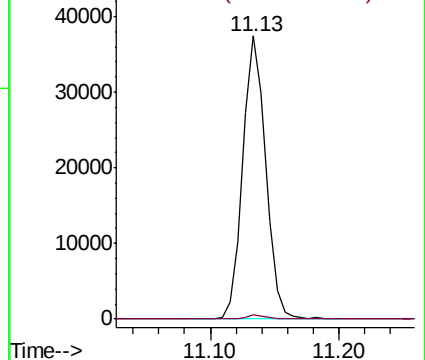
75 100

77 1.4 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: 66.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011303.D

Acq: 02 Aug 2019 14:33

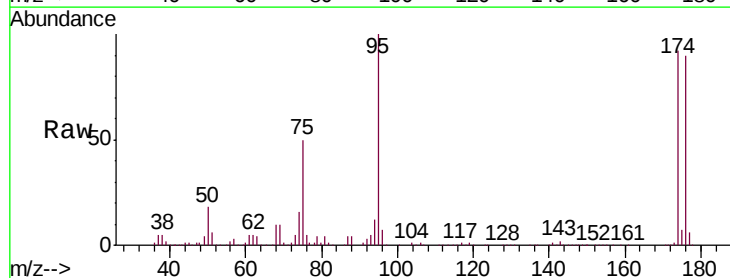
Tgt Ion: 75 Resp: 46188

Ion Ratio Lower Upper

75 100

53 0.4 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

