

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042219\
 Data File : VX009093.D
 Acq On : 22 Apr 2019 13:39
 Operator : JC/SP
 Sample : K2496-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190418

Quant Time: Apr 23 02:32:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	410706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	354020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151541	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	166788	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	5.50	113	122950	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	8.71	98	508433	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.13	95	168985	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	

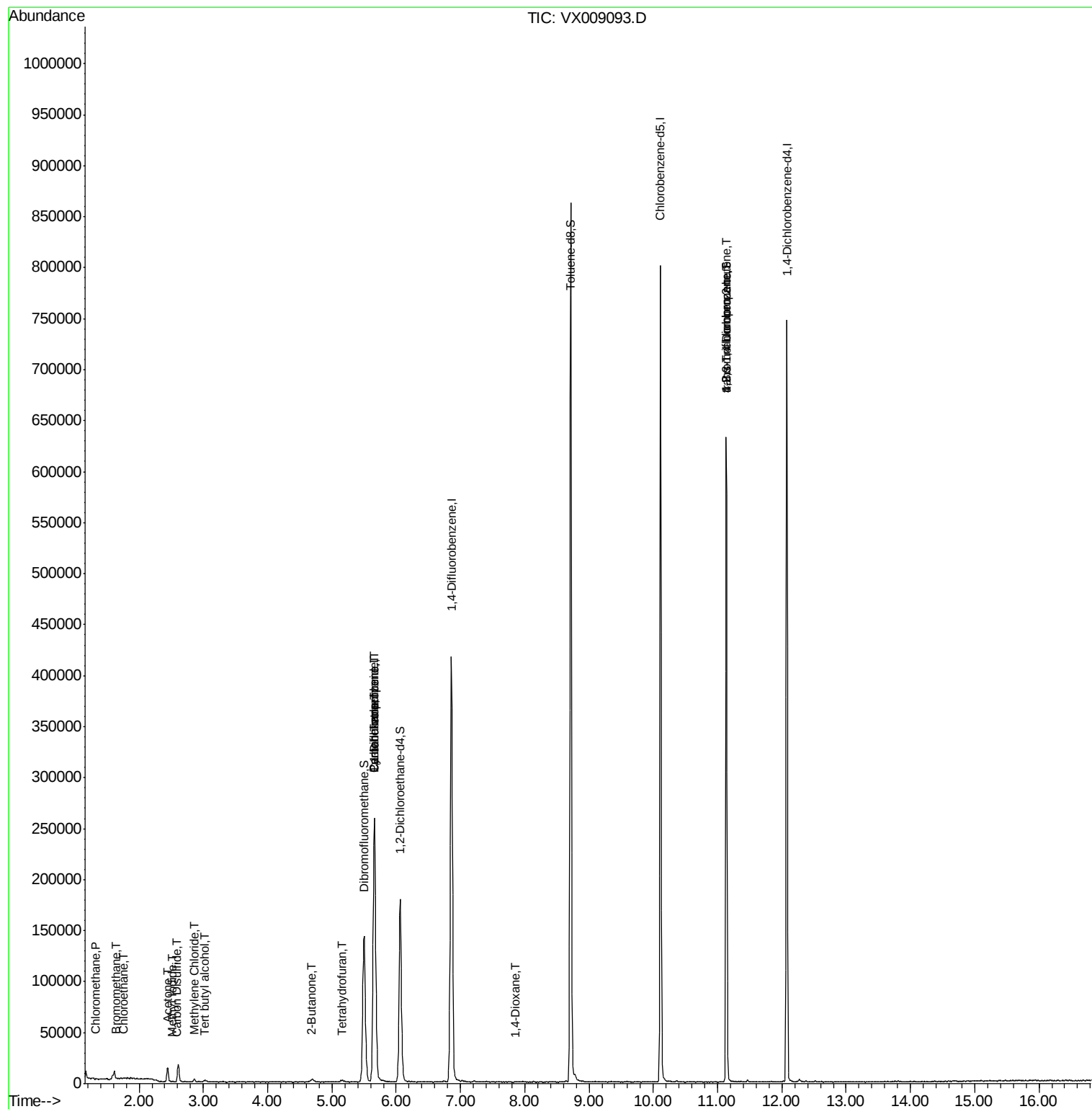
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	748	0.208	ug/l #	56
5) Bromomethane	1.65	94	344	3.993	ug/l	94
6) Chloroethane	1.75	64	1580	0.766	ug/l #	64
10) Methyl Iodide	2.51	142	149	4.462	ug/l #	42
11) Tert butyl alcohol	3.02	59	1241	1.557	ug/l #	90
16) Acetone	2.44	43	15452	8.296	ug/l	100
17) Carbon Disulfide	2.57	76	610	1.327	ug/l #	75
20) Methylene Chloride	2.85	84	1180	0.370	ug/l #	82
25) 2-Butanone	4.68	43	3010	1.011	ug/l #	87
28) Bromochloromethane	5.02	49	61	Below Cal	#	21
29) Tetrahydrofuran	5.16	42	1819	0.913	ug/l #	60
31) Cyclohexane	5.66	56	5529	0.966	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20268	4.772	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24162	6.710	ug/l #	18
49) 1,4-Dioxane	7.85	88	20	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85121	23.004	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	85121	59.057	ug/l #	11

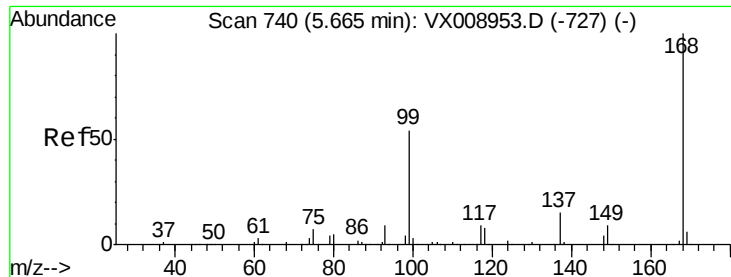
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
TT-TB-20190418

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

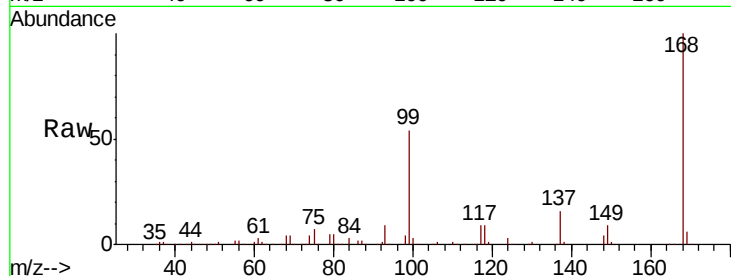
TT-TB-20190418

Tot Ion:168 Resp: 254867

Ion Ratio Lower Upper

168 100

99 53.7 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

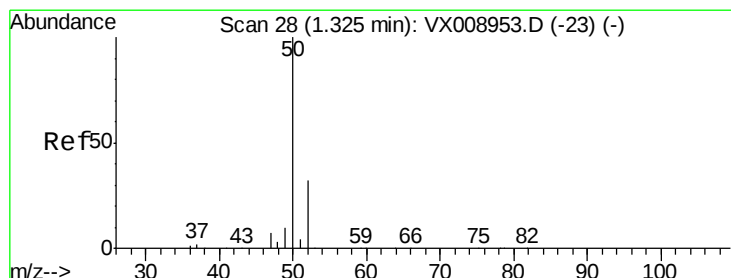
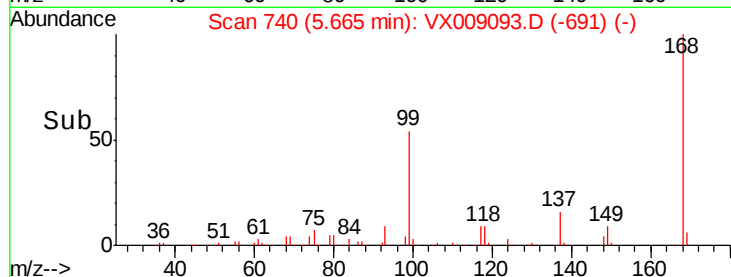
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009093.D

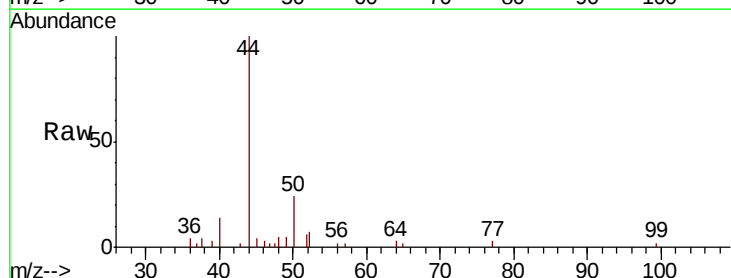
Acq: 22 Apr 2019 13:39

Tgt Ion: 50 Resp: 748

Ion Ratio Lower Upper

50 100

52 56.3 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

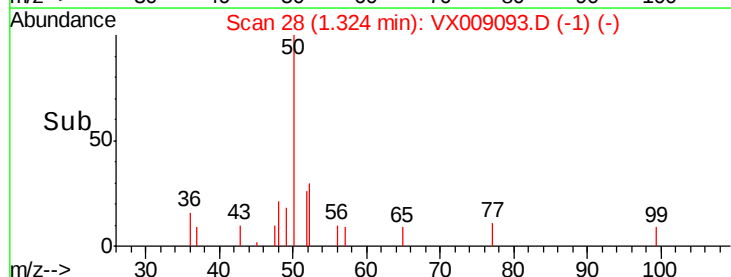
400

200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 3.993 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

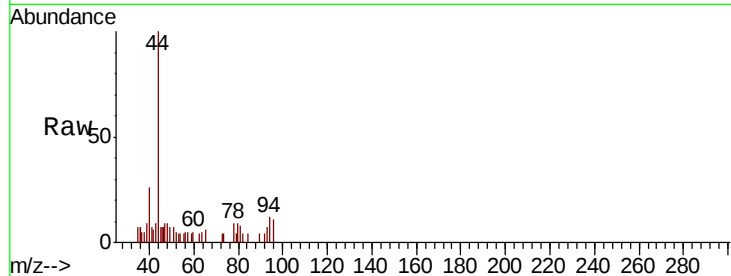
TT-TB-20190418

Tot Ion: 94 Resp: 344

Ion Ratio Lower Upper

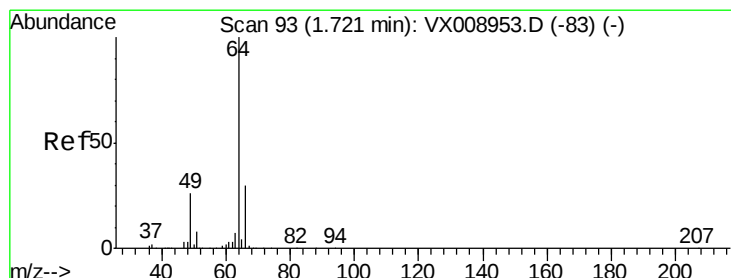
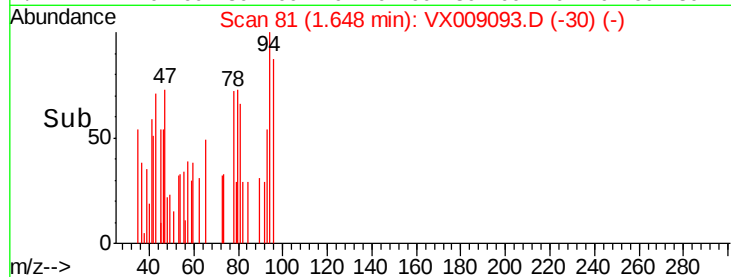
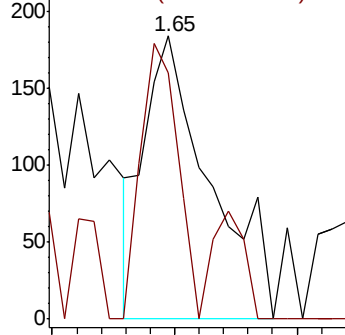
94 100

96 87.0 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.766 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX009093.D

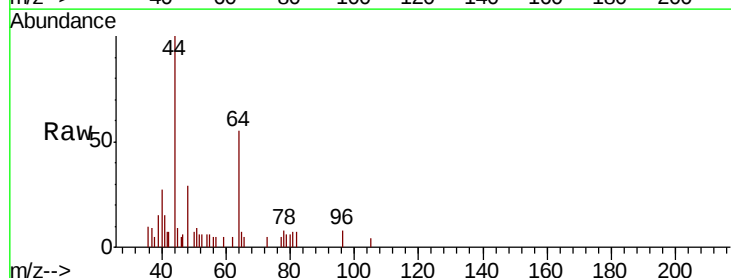
Acq: 22 Apr 2019 13:39

Tgt Ion: 64 Resp: 1580

Ion Ratio Lower Upper

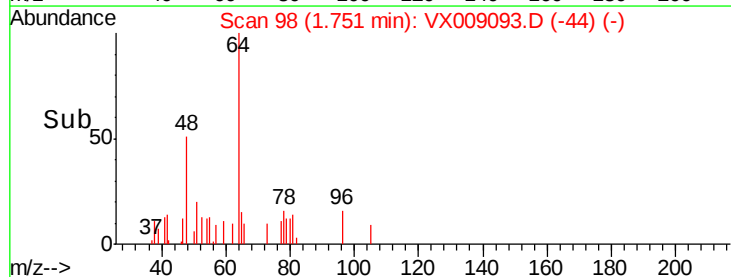
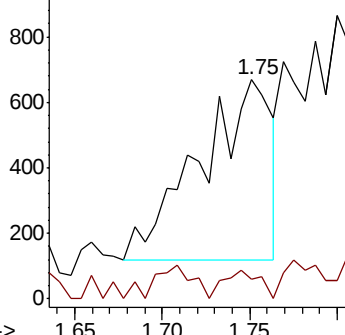
64 100

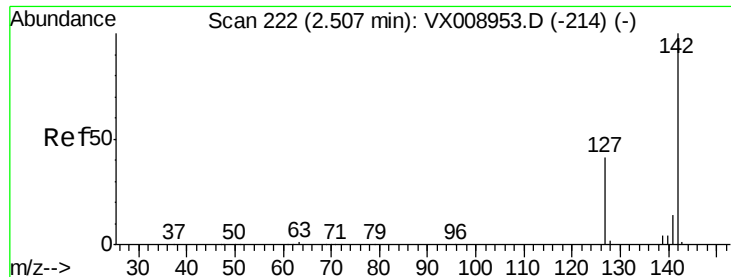
66 10.9 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

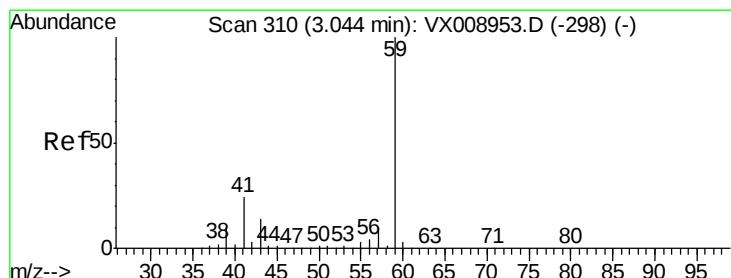
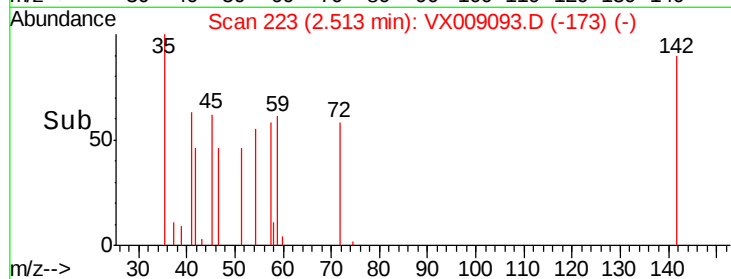
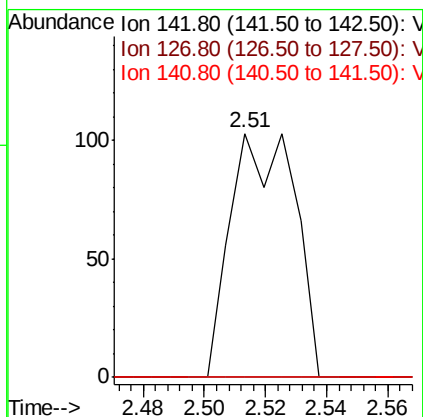
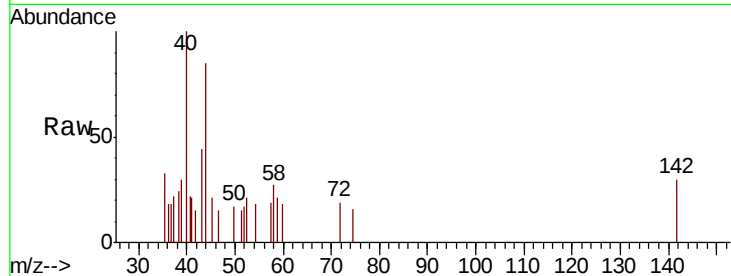




#10
Methyl Iodide
Concen: 4.462 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009093.D
Acq: 22 Apr 2019 13:39

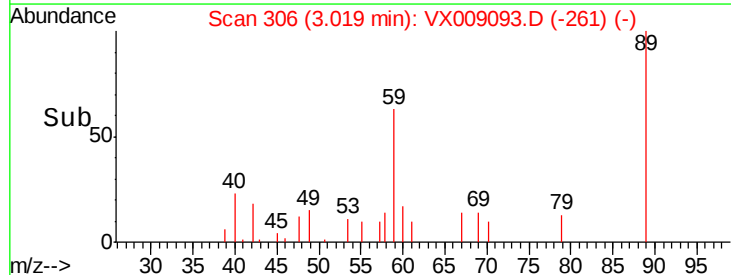
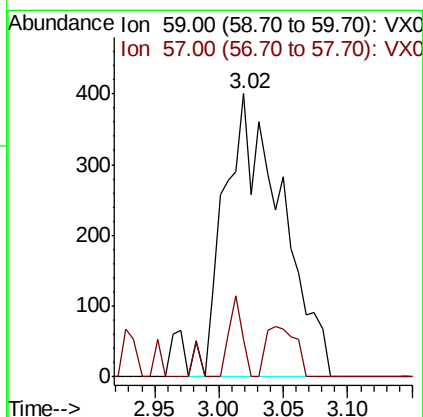
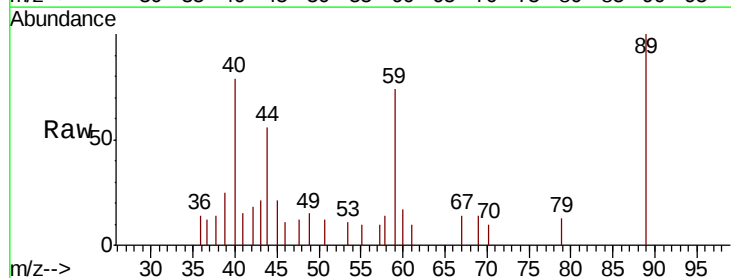
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190418

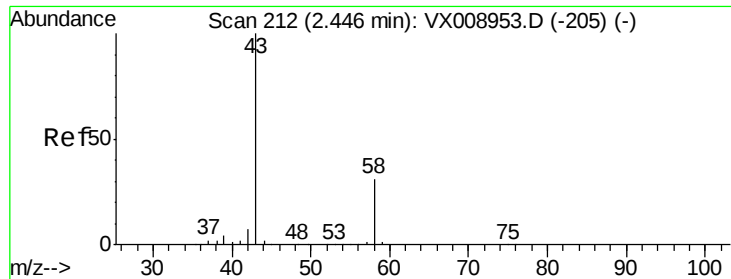
Tot Ion:142 Resp: 149
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.557 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX009093.D
Acq: 22 Apr 2019 13:39

Tgt Ion: 59 Resp: 1241
Ion Ratio Lower Upper
59 100
57 6.7 8.4 12.6#





#16

Acetone

Concen: 8.296 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

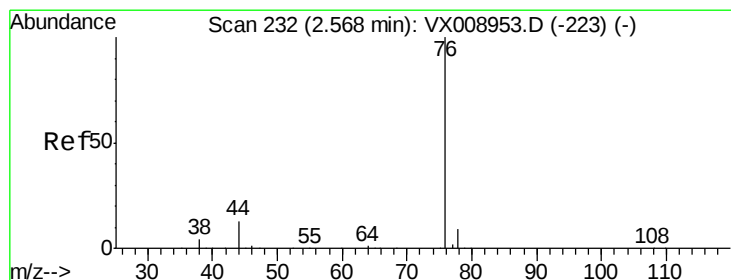
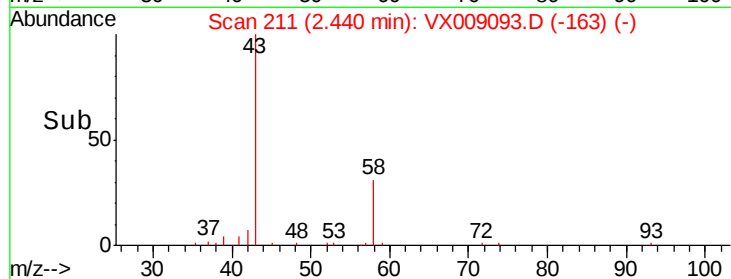
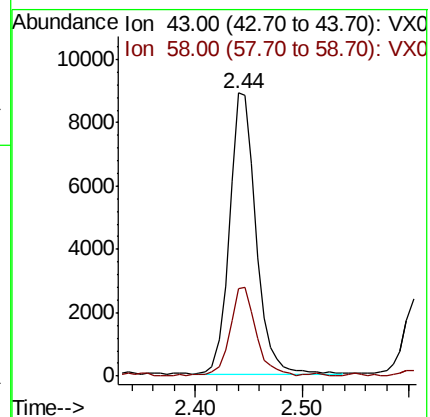
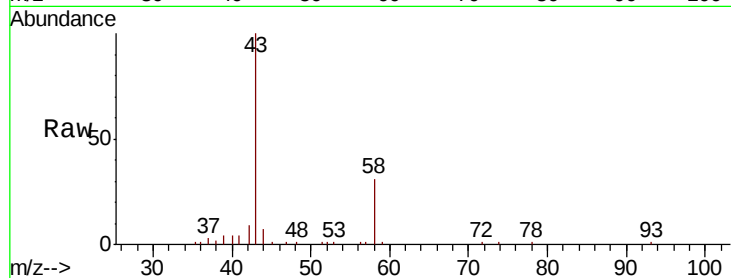
TT-TB-20190418

Tot Ion: 43 Resp: 15452

Ion Ratio Lower Upper

43 100

58 31.1 24.8 37.2



#17

Carbon Disulfide

Concen: 1.327 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009093.D

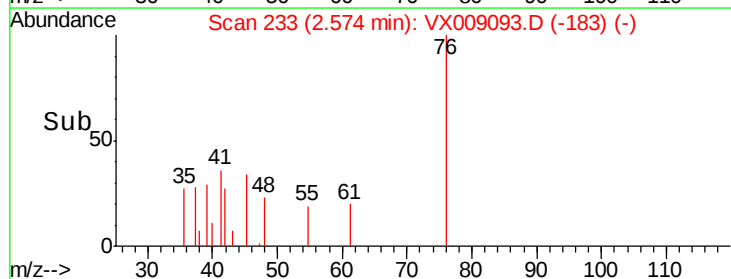
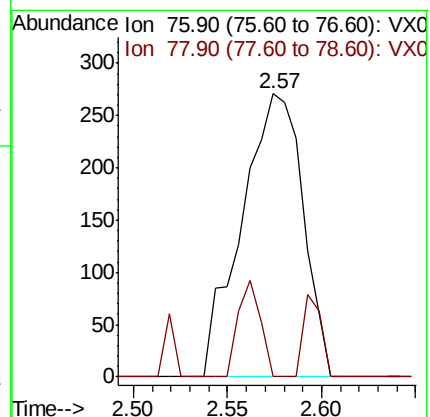
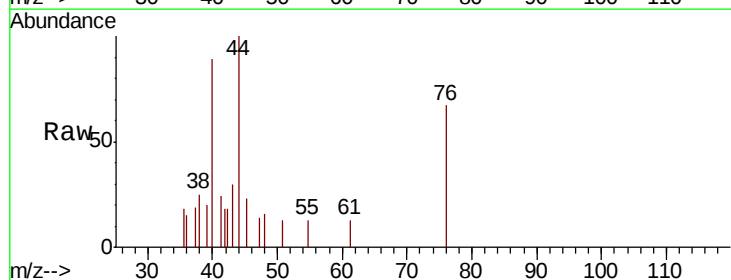
Acq: 22 Apr 2019 13:39

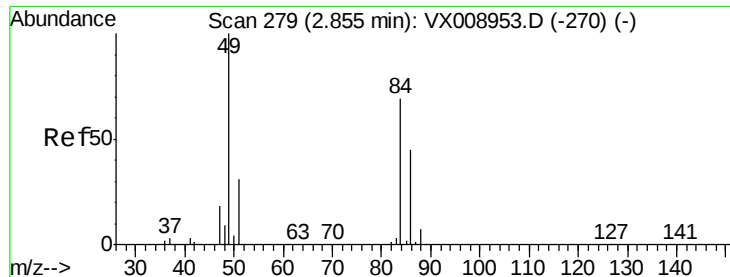
Tgt Ion: 76 Resp: 610

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.370 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190418

Tot Ion: 84 Resp: 1180

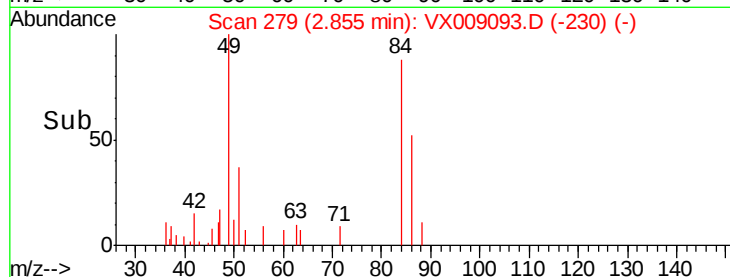
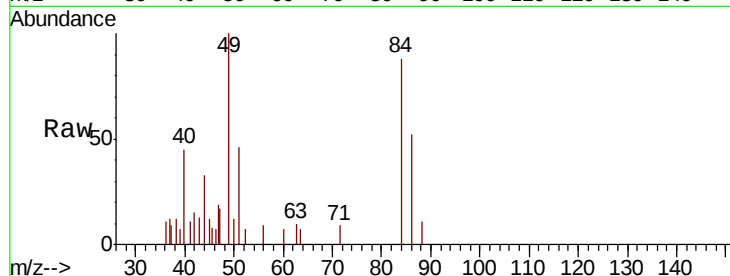
Ion Ratio Lower Upper

84 100

49 113.0 115.4 173.0#

51 51.6 35.8 53.6

86 58.3 52.1 78.1

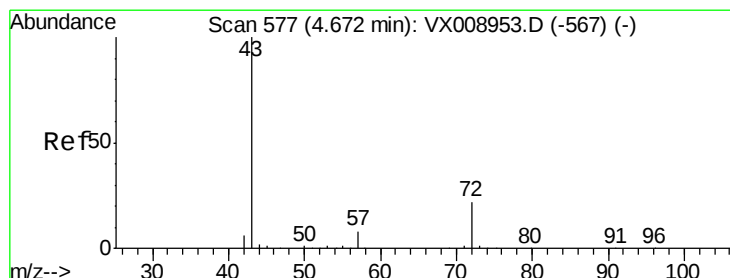
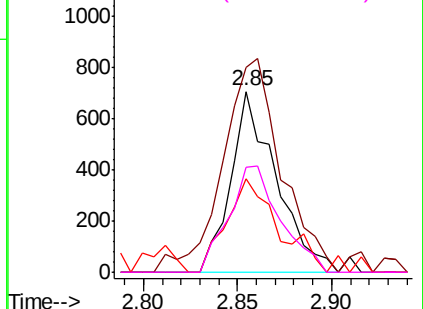


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 1.011 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009093.D

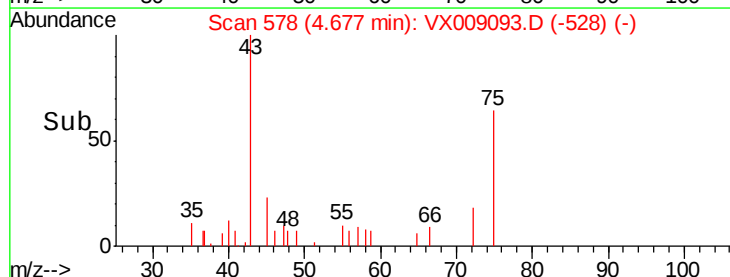
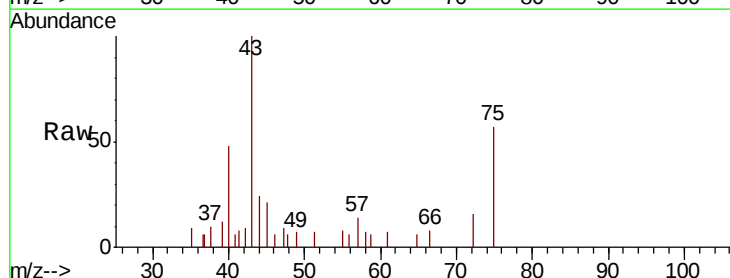
Acq: 22 Apr 2019 13:39

Tgt Ion: 43 Resp: 3010

Ion Ratio Lower Upper

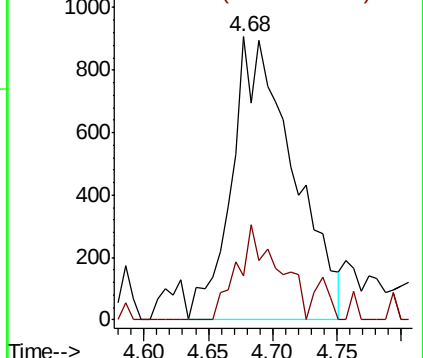
43 100

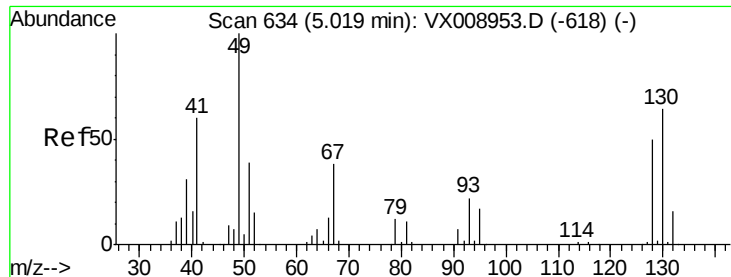
72 15.7 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

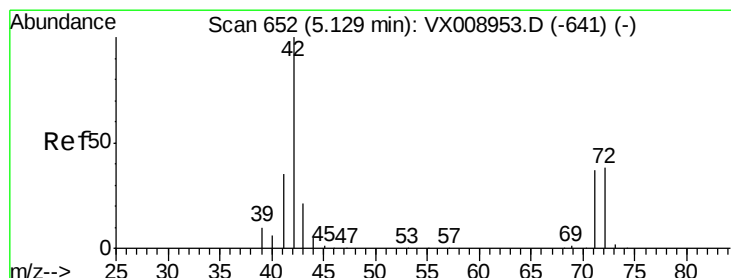
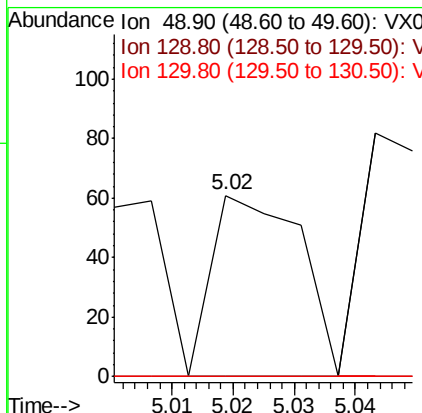
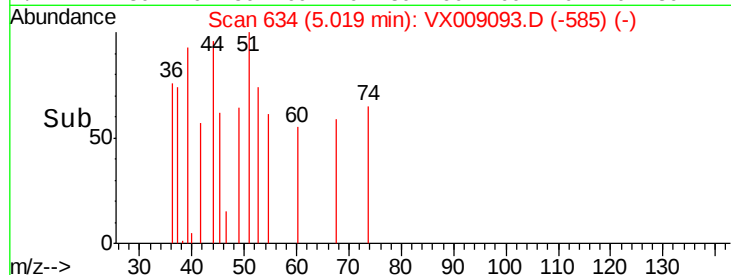
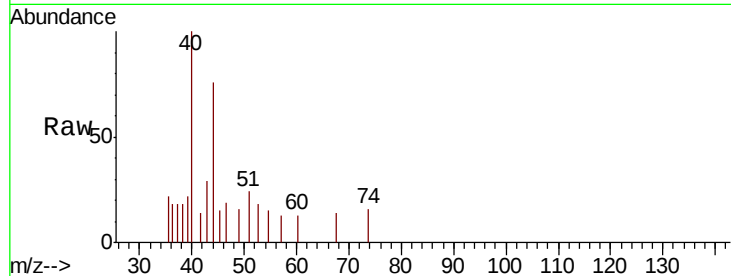
Delta R.T. -0.00 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190418

Tot Ion: 49 Resp: 61
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



#29

Tetrahydrofuran

Concen: 0.913 ug/l

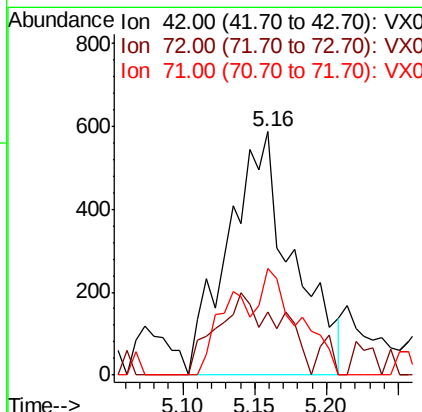
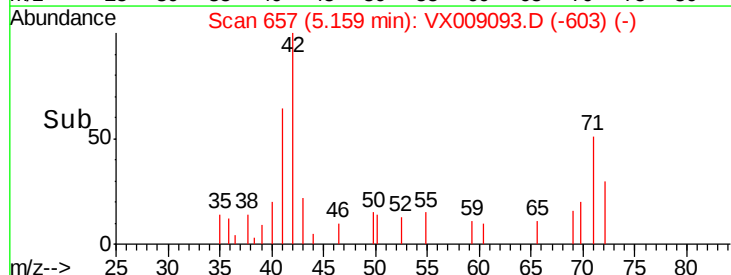
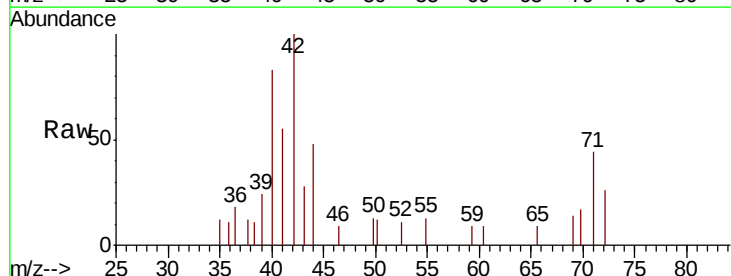
RT: 5.16 min Scan# 657

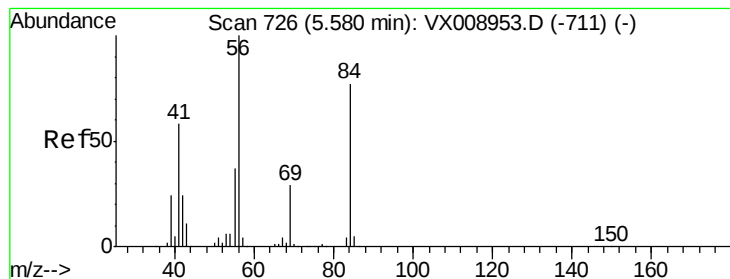
Delta R.T. 0.03 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Tgt Ion: 42 Resp: 1819
Ion Ratio Lower Upper
42 100
72 0.0 30.6 45.8#
71 26.7 28.8 43.2#





#31

Cyclohexane

Concen: 0.966 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

TT-TB-20190418

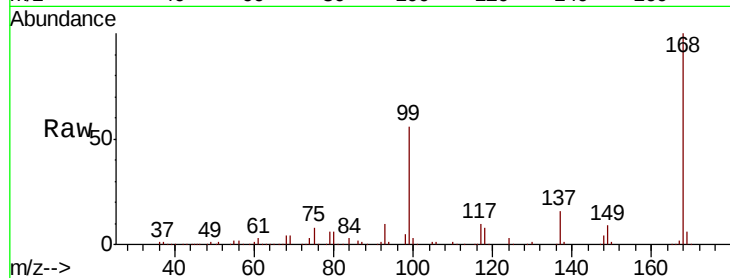
Tot Ion: 56 Resp: 5529

Ion Ratio Lower Upper

56 100

69 201.2 23.3 34.9#

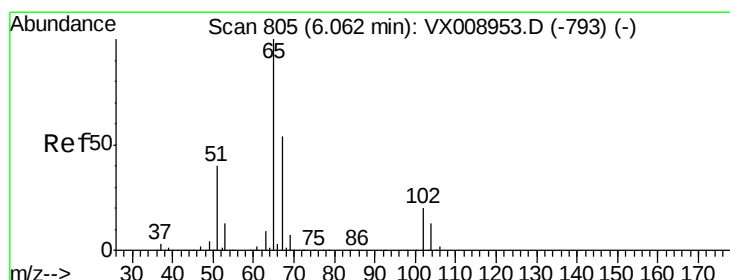
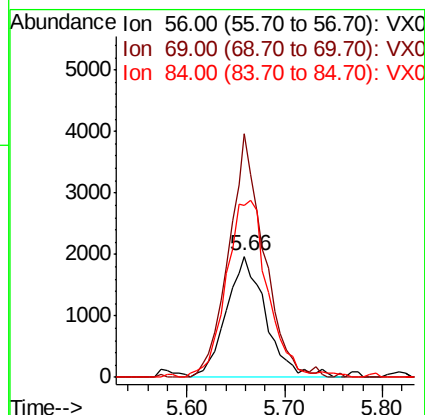
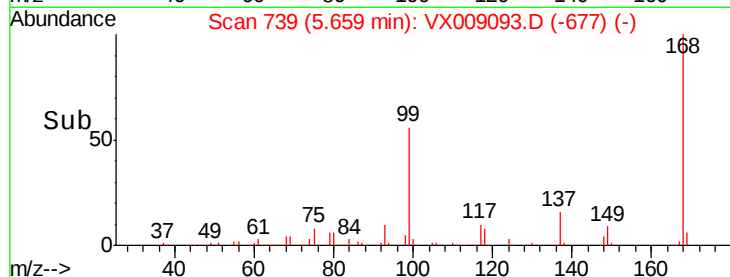
84 139.2 61.7 92.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.436 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009093.D

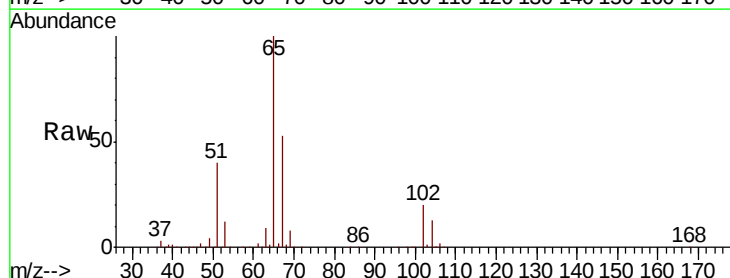
Acq: 22 Apr 2019 13:39

Tgt Ion: 65 Resp: 166788

Ion Ratio Lower Upper

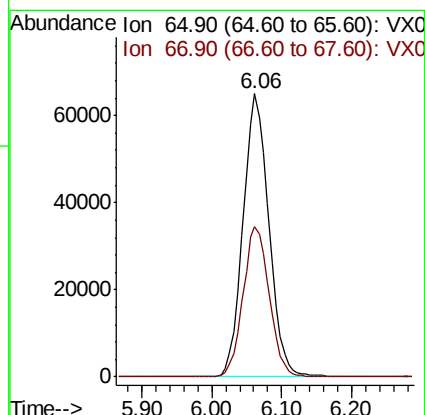
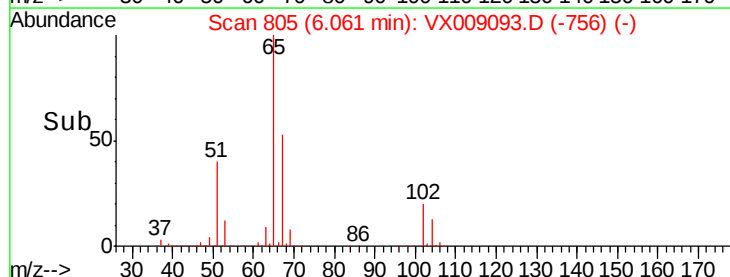
65 100

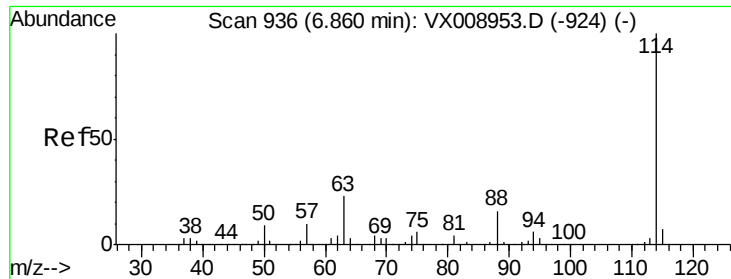
67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

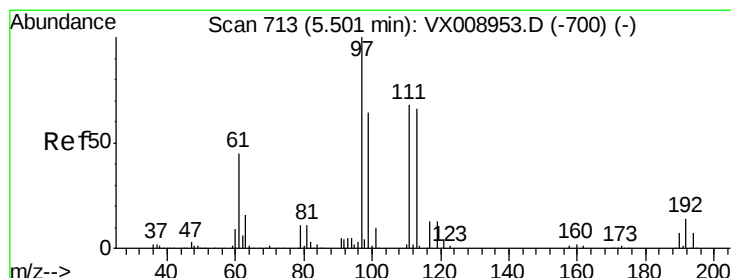
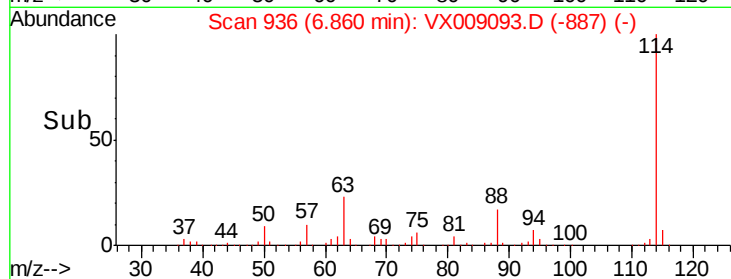
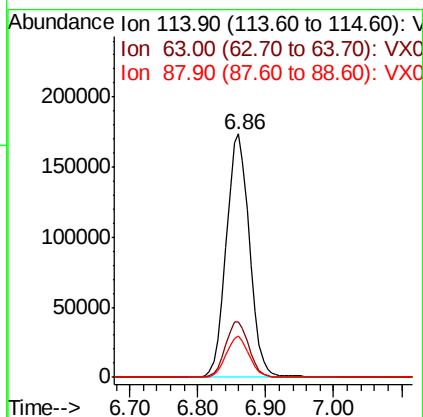
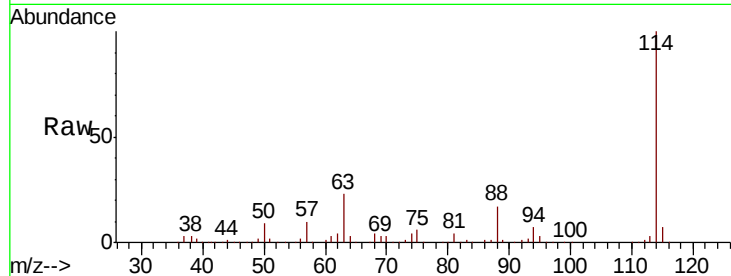




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009093.D
 Acq: 22 Apr 2019 13:39

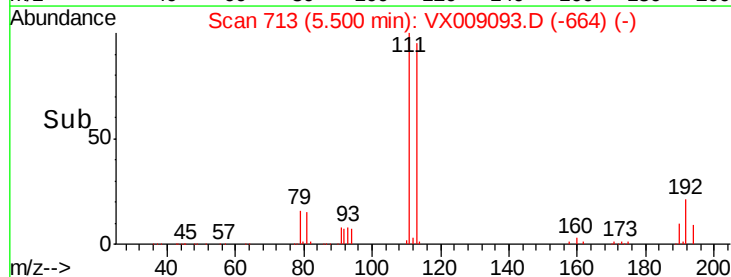
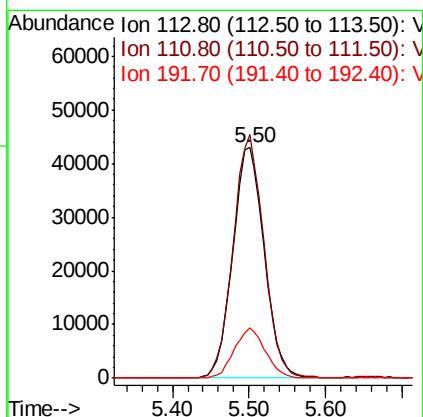
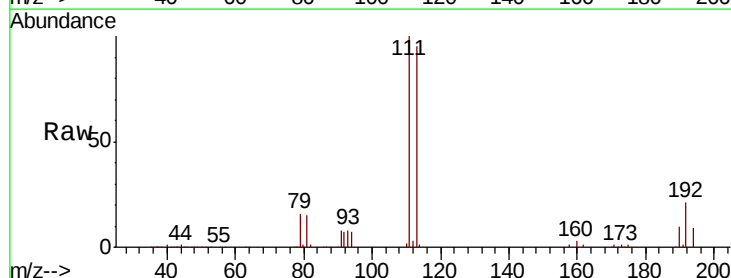
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20190418

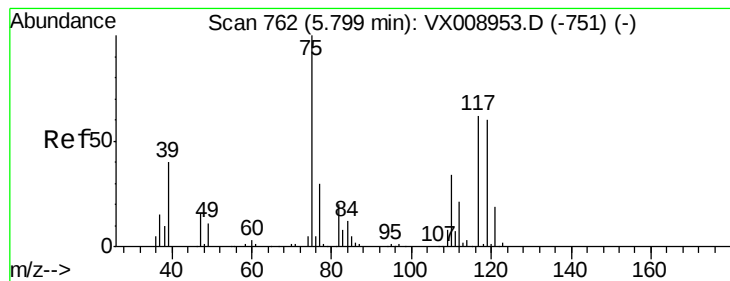
Tot Ion:114 Resp: 410706
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.0
 88 17.0 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 46.646 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009093.D
 Acq: 22 Apr 2019 13:39

Tgt Ion:113 Resp: 122950
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 21.3 17.4 26.0





#36

1,1-Dichloropropene

Concen: 4.772 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190418

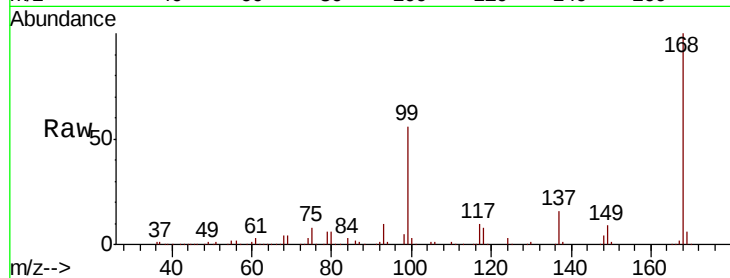
Tot Ion: 75 Resp: 20268

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

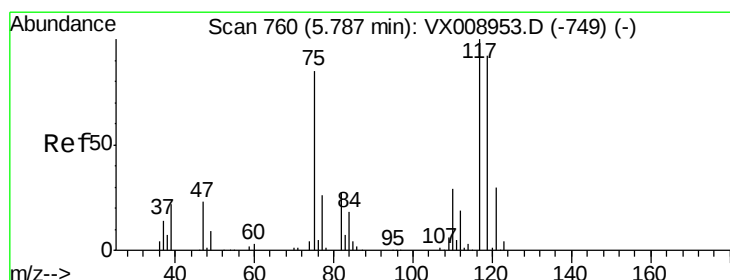
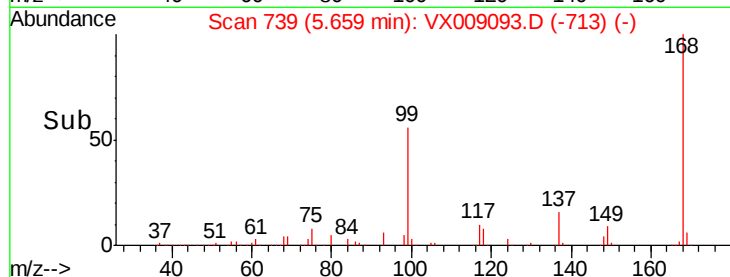
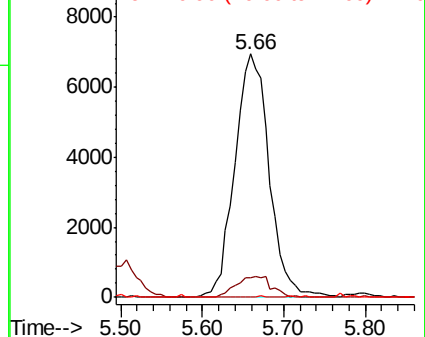
77 0.1 25.0 37.4#



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: 6.710 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

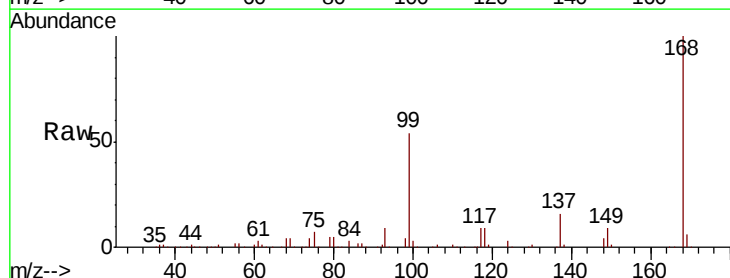
Tgt Ion: 117 Resp: 24162

Ion Ratio Lower Upper

117 100

119 5.4 73.8 110.8#

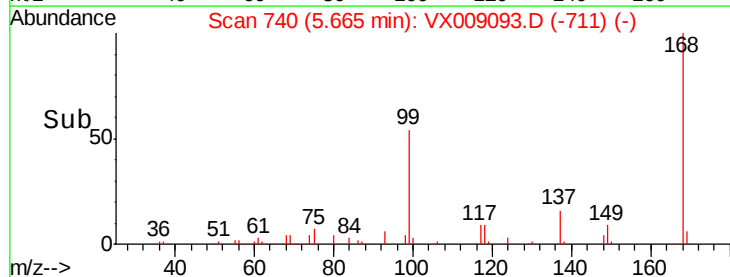
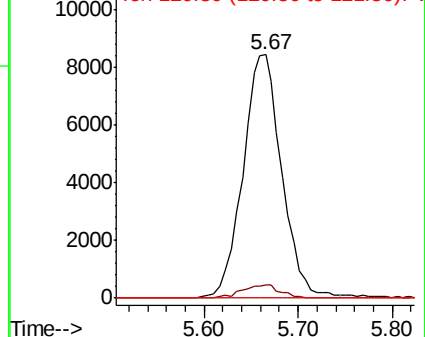
121 0.0 23.6 35.4#

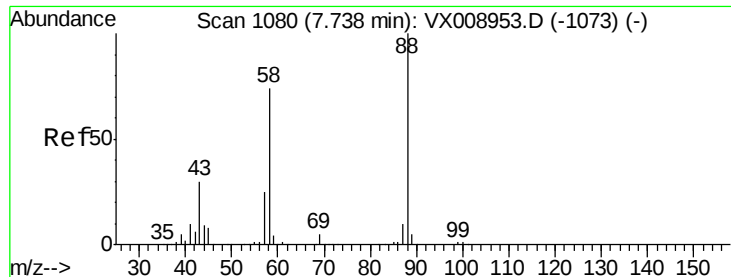


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

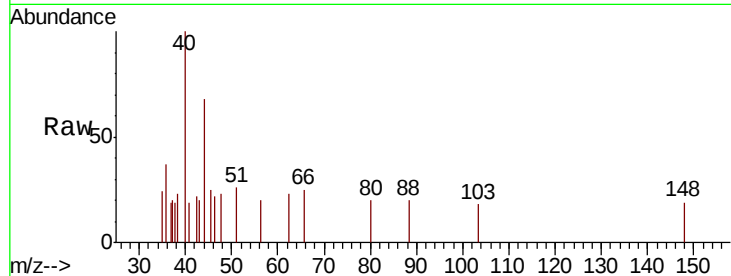




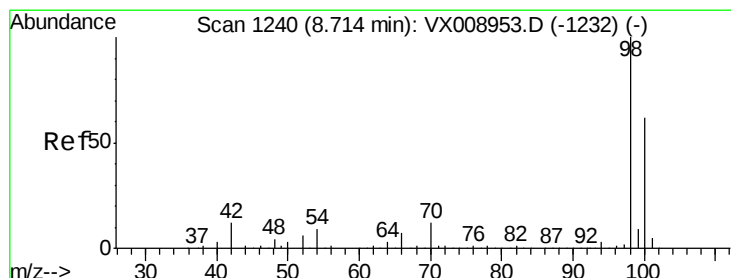
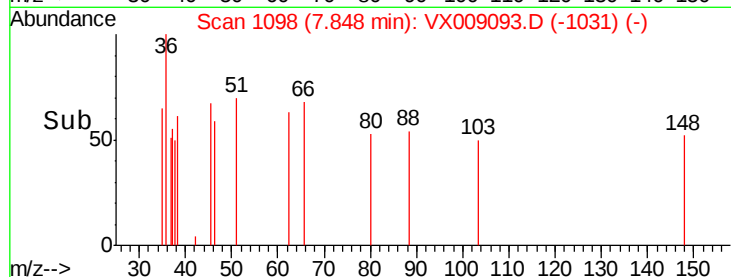
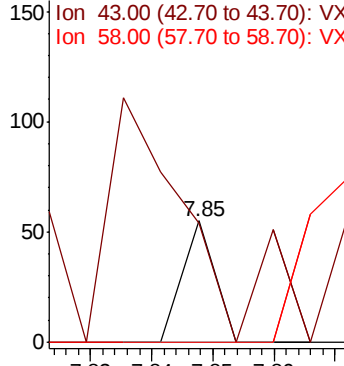
#49
1,4-Dioxane
Concen: 0.246 ug/l
RT: 7.85 min Scan# 1098
Delta R.T. 0.11 min
Lab File: VX009093.D
Acq: 22 Apr 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20190418

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 445.0 29.3 43.9#
58 0.0 62.6 93.8#

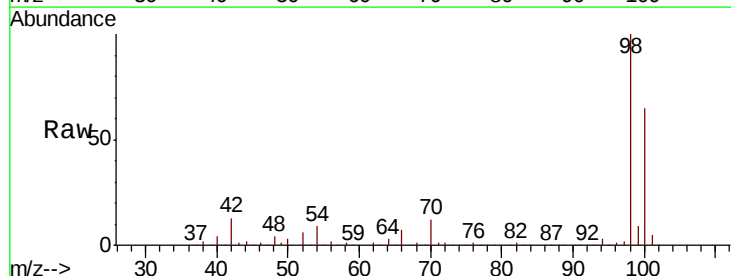


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

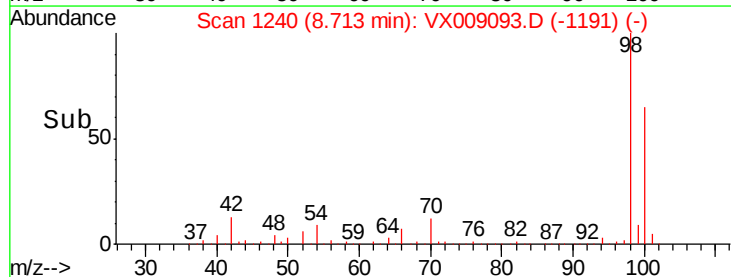
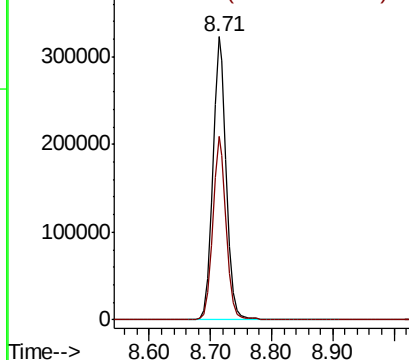


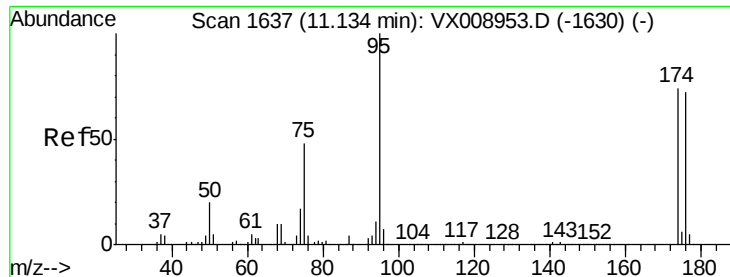
#50
Toluene-d8
Concen: 48.368 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009093.D
Acq: 22 Apr 2019 13:39

Tgt Ion: 98 Resp: 508433
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



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





#62

4-Bromofluorobenzene

Concen: 45.540 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

TT-TB-20190418

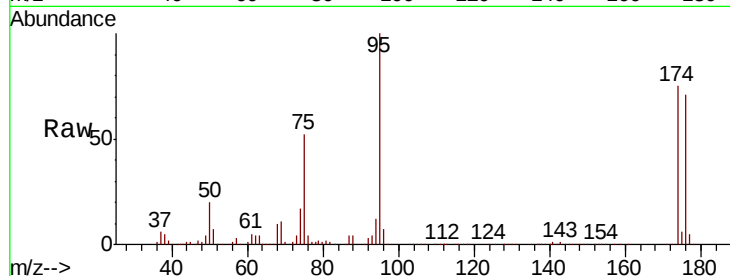
Tot Ion: 95 Resp: 168985

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.6

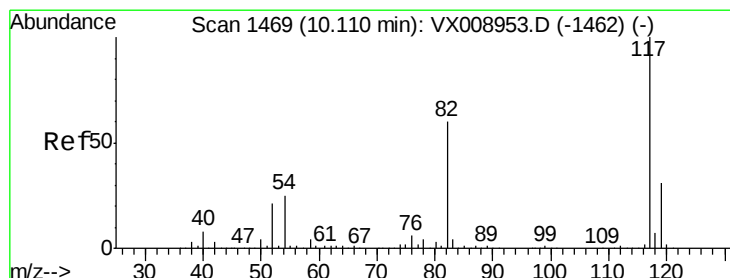
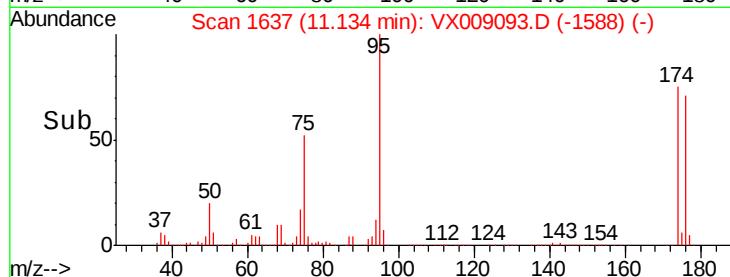
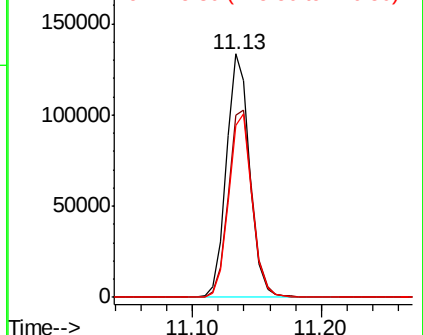
176 76.1 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX009093.D

Acq: 22 Apr 2019 13:39

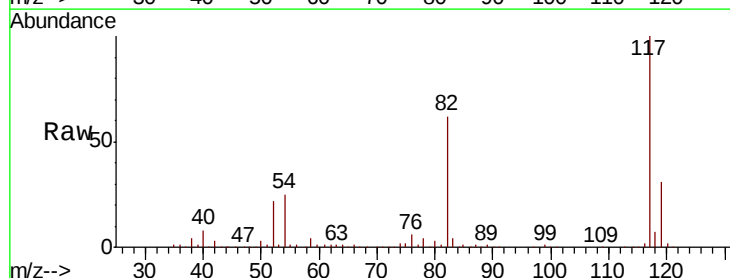
Tgt Ion: 117 Resp: 354020

Ion Ratio Lower Upper

117 100

82 61.5 48.2 72.4

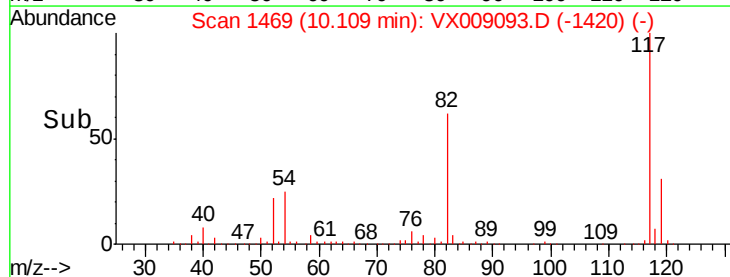
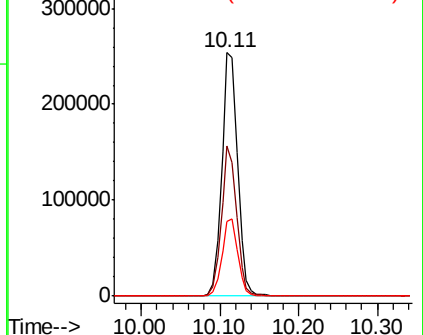
119 30.8 25.0 37.6

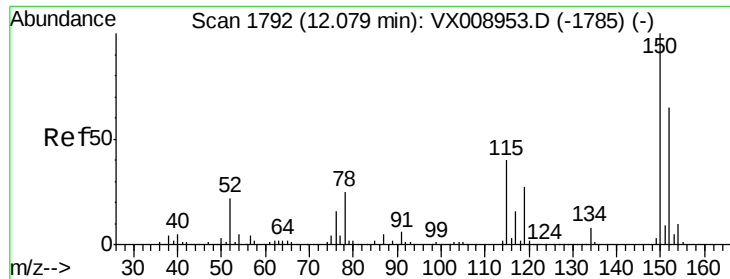


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190418

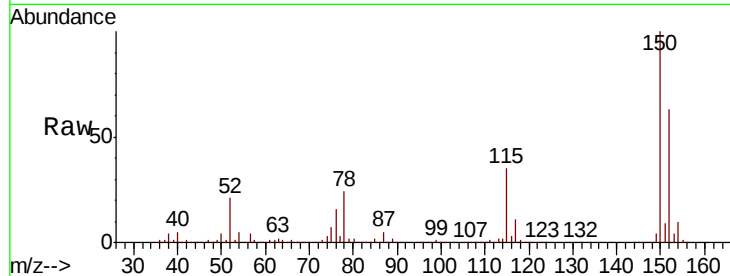
Tot Ion:152 Resp: 151541

Ion Ratio Lower Upper

152 100

115 59.2 41.4 124.2

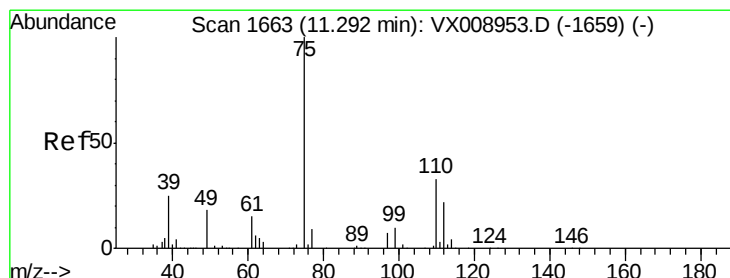
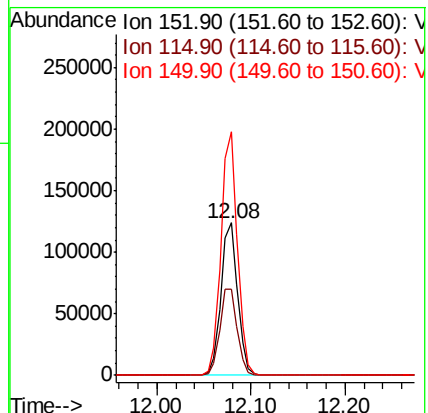
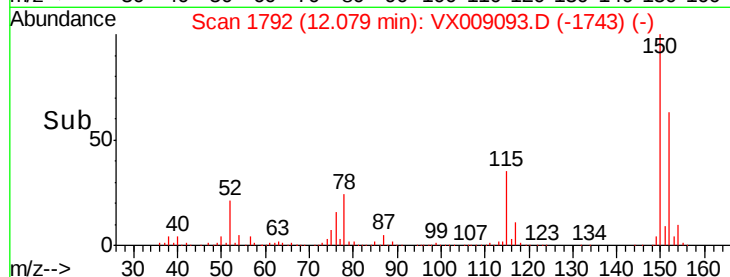
150 157.7 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009093.D

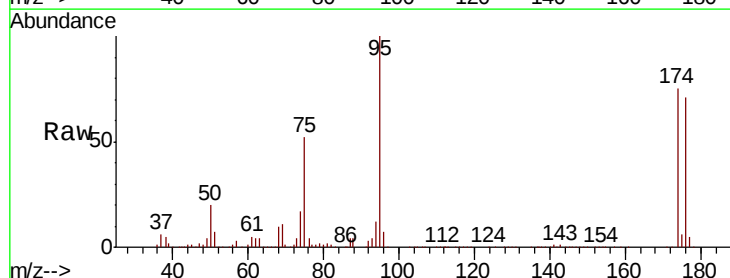
Acq: 22 Apr 2019 13:39

Tgt Ion: 75 Resp: 85121

Ion Ratio Lower Upper

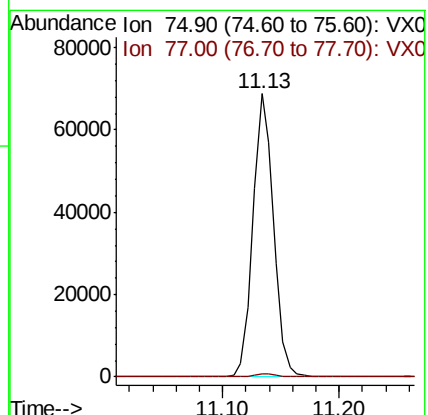
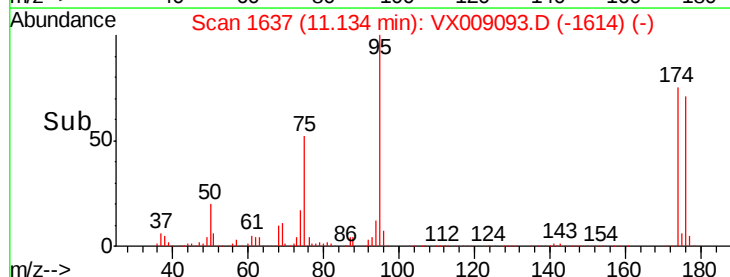
75 100

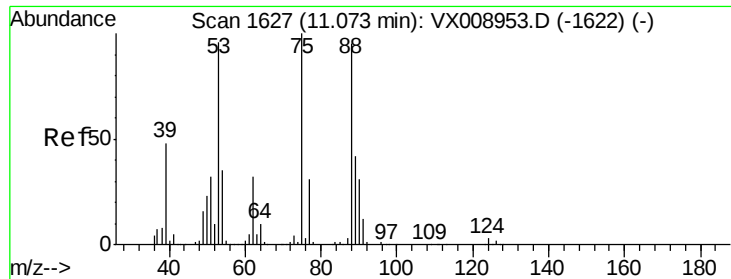
77 1.2 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.057 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009093.D

Acq: 22 Apr 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20190418

Tot Ion: 75 Resp: 85121

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

89 0.0 36.0 54.0#

