

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050819\
 Data File : VX009394.D
 Acq On : 08 May 2019 13:36
 Operator : JC/SP
 Sample : K2736-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190507

Quant Time: May 09 06:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 03:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	174504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	279168	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106119	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	113789	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
35) Dibromofluoromethane	5.50	113	85529	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	8.71	98	347368	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	115259	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

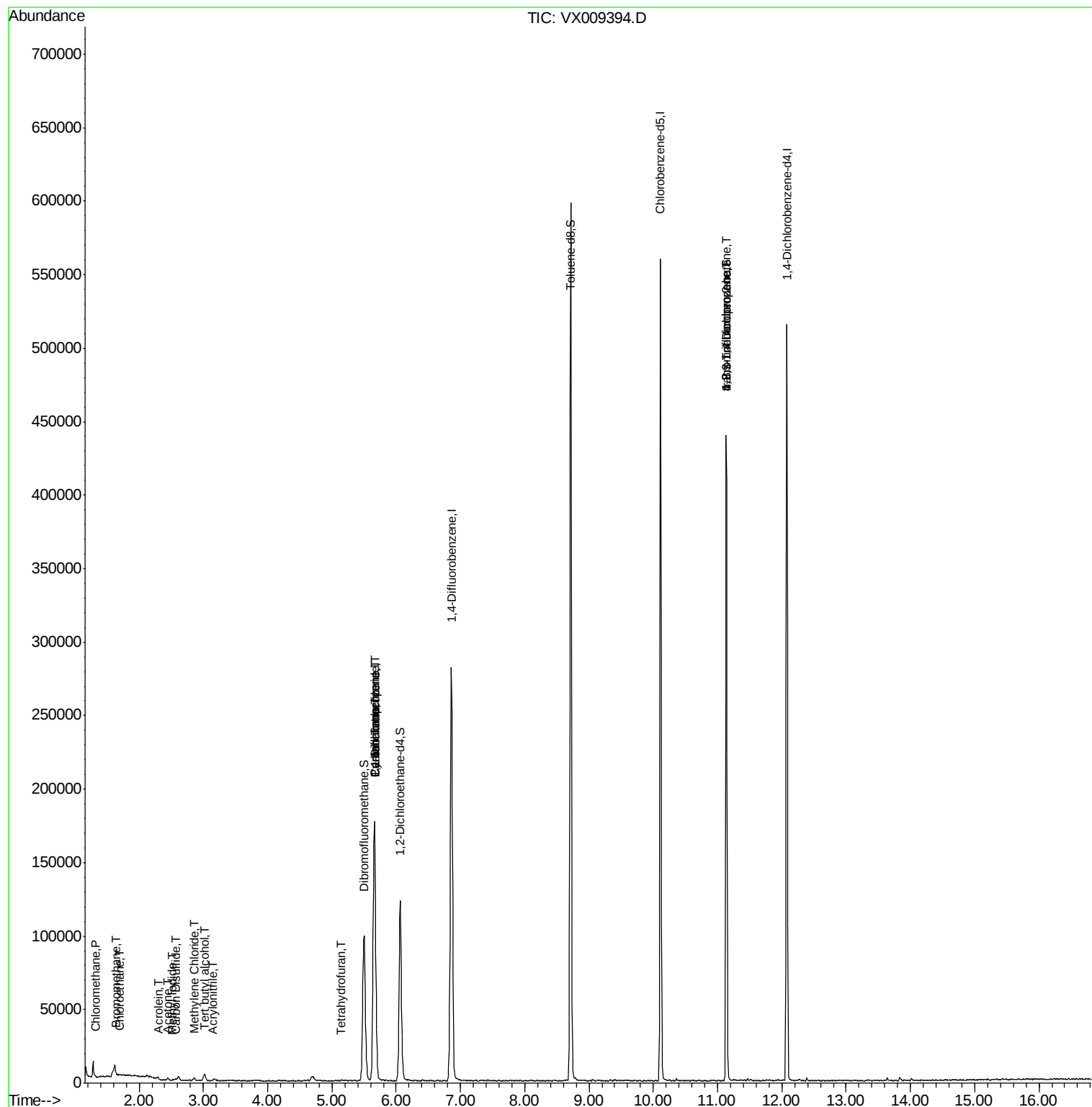
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	508	0.231	ug/l #	84
5) Bromomethane	1.64	94	537	0.418	ug/l	93
6) Chloroethane	1.69	64	3085	2.244	ug/l #	45
10) Methyl Iodide	2.52	142	487	4.827	ug/l #	79
11) Tert butyl alcohol	3.02	59	2787	5.054	ug/l #	81
13) Acrolein	2.31	56	268	0.537	ug/l #	27
15) Acrylonitrile	3.15	53	466	0.346	ug/l #	68
16) Acetone	2.44	43	2155	1.685	ug/l #	86
17) Carbon Disulfide	2.57	76	1366	0.297	ug/l #	90
20) Methylene Chloride	2.85	84	816	0.394	ug/l #	87
28) Bromochloromethane	5.02	49	49	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	479	0.374	ug/l	94
31) Cyclohexane	5.66	56	3746	1.064	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13221	5.096	ug/l #	46
38) Carbon Tetrachloride	5.66	117	16228	6.885	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	59042	23.985	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59042	61.370	ug/l #	10

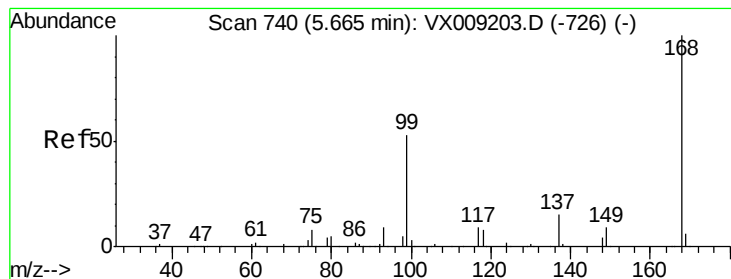
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 09 06:27:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Wed May 08 03:31:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

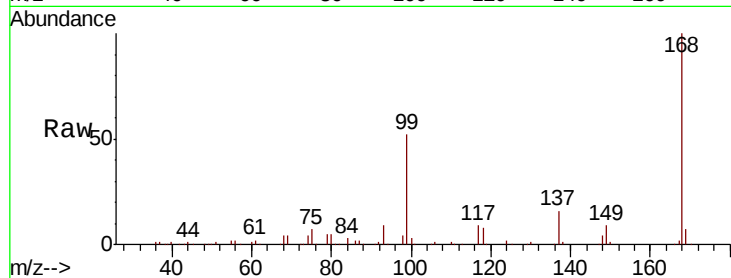
TB-01-190507

Tot Ion:168 Resp: 174504

Ion Ratio Lower Upper

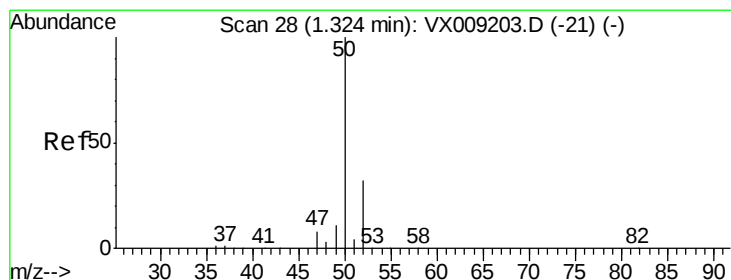
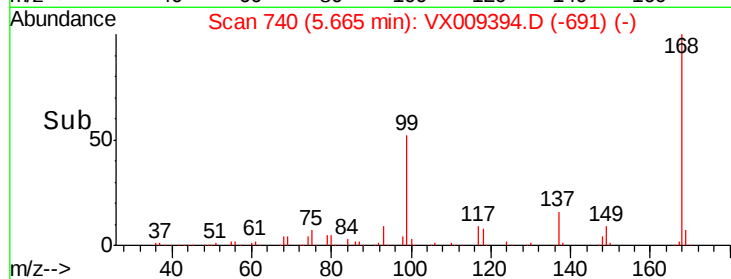
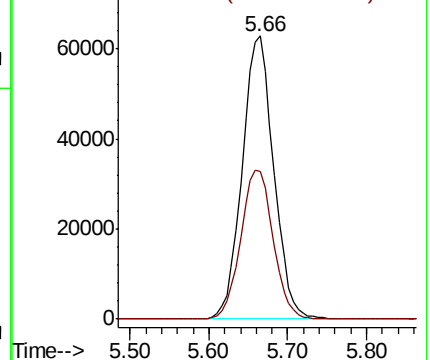
168 100

99 52.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.231 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009394.D

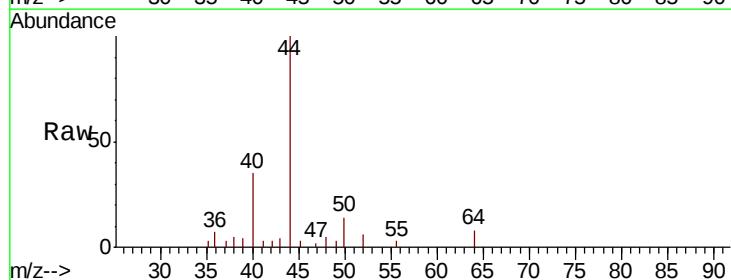
Acq: 08 May 2019 13:36

Tgt Ion: 50 Resp: 508

Ion Ratio Lower Upper

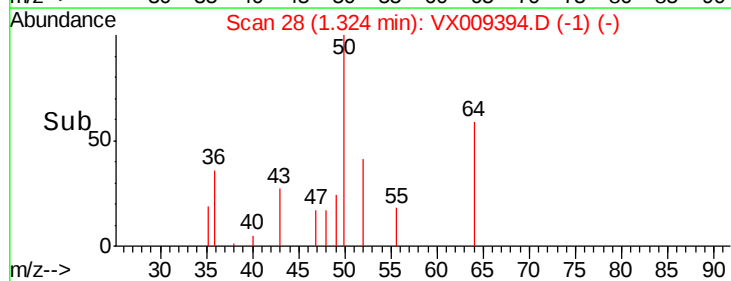
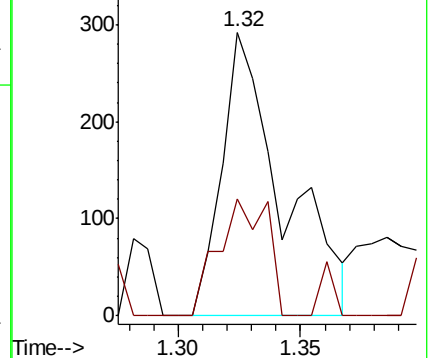
50 100

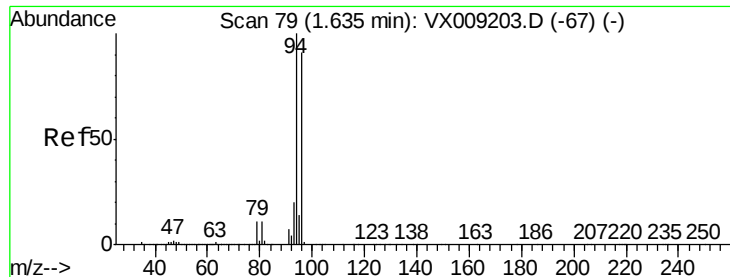
52 41.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.418 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampled :

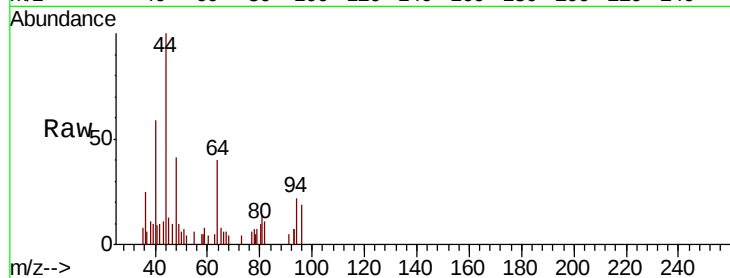
TB-01-190507

Tot Ion: 94 Resp: 537

Ion Ratio Lower Upper

94 100

96 84.5 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

100

50

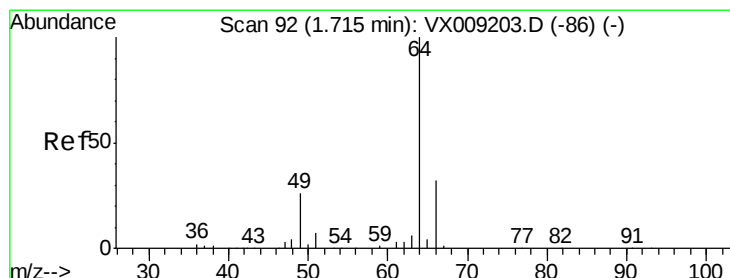
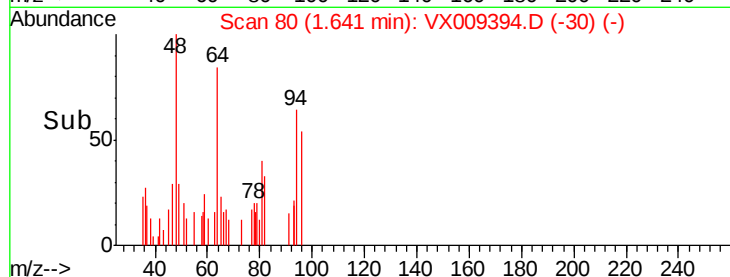
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 2.244 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX009394.D

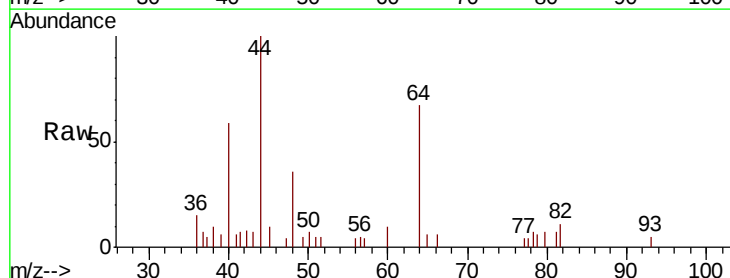
Acq: 08 May 2019 13:36

Tgt Ion: 64 Resp: 3085

Ion Ratio Lower Upper

64 100

66 1.1 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

1000

800

600

400

200

0

1.55

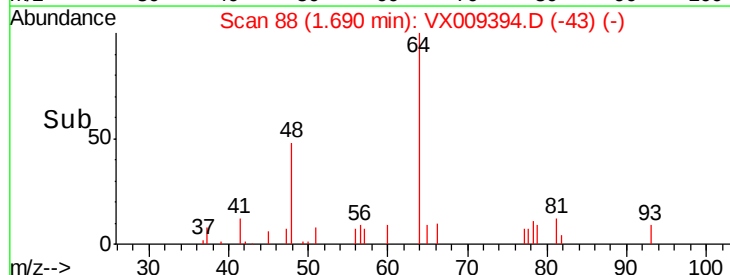
1.60

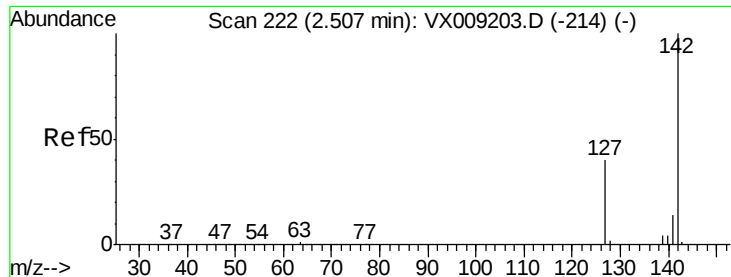
1.65

1.70

1.75

Time-->

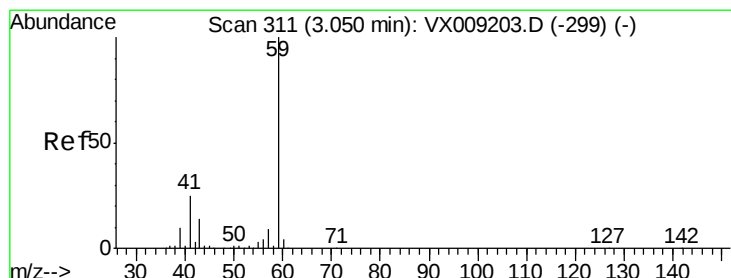
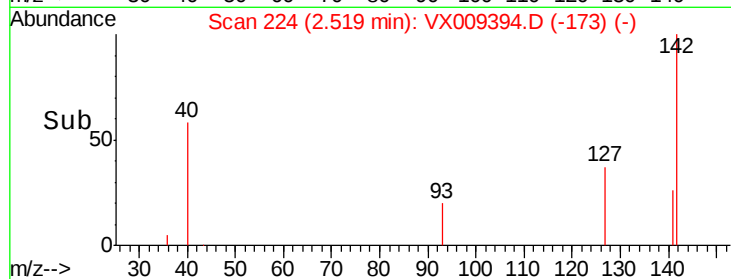
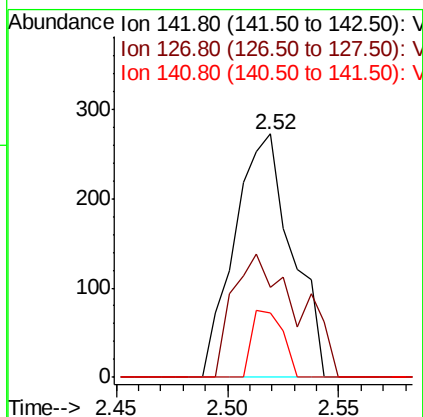
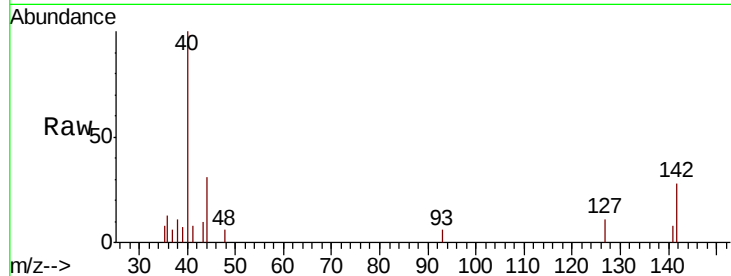




#10
Methvl Iodide
Concen: 4.827 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009394.D
Acq: 08 May 2019 13:36

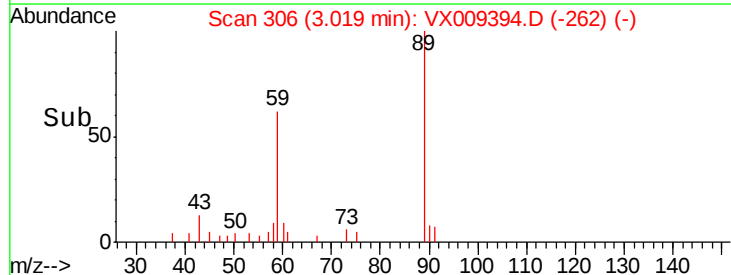
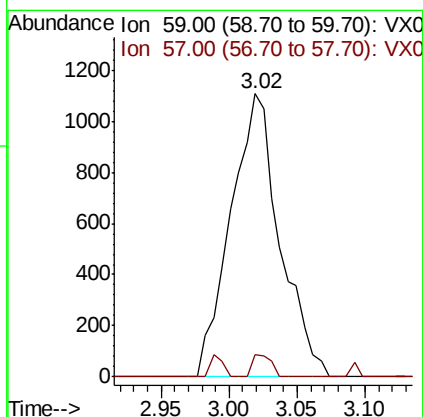
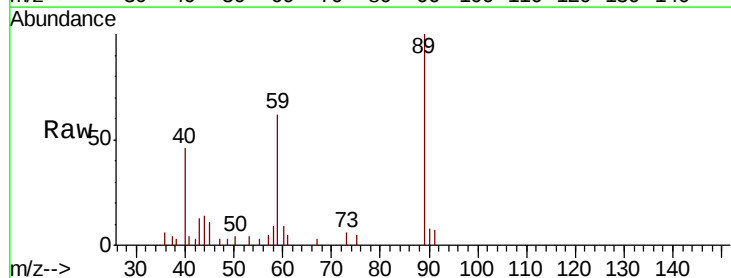
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190507

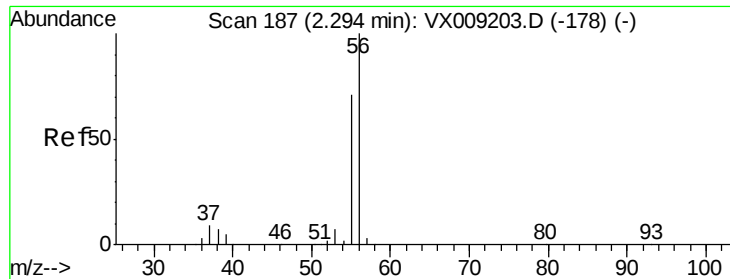
Tot Ion:142 Resp: 487
Ion Ratio Lower Upper
142 100
127 57.9 32.7 49.1#
141 15.0 11.5 17.3



#11
Tert butyl alcohol
Concen: 5.054 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009394.D
Acq: 08 May 2019 13:36

Tgt Ion: 59 Resp: 2787
Ion Ratio Lower Upper
59 100
57 3.0 8.2 12.2#





#13

Acrolein

Concen: 0.537 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

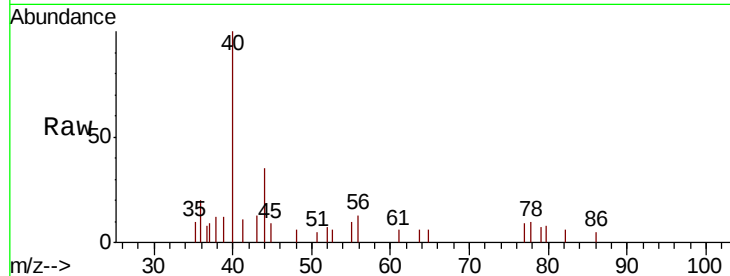
TB-01-190507

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

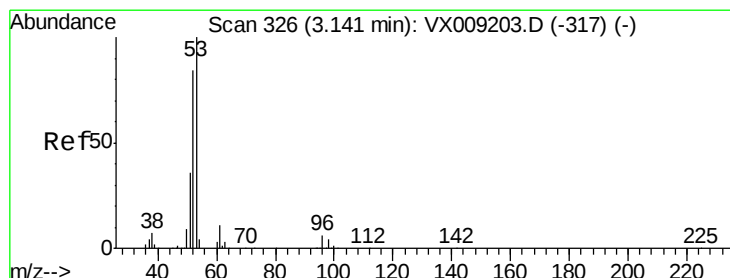
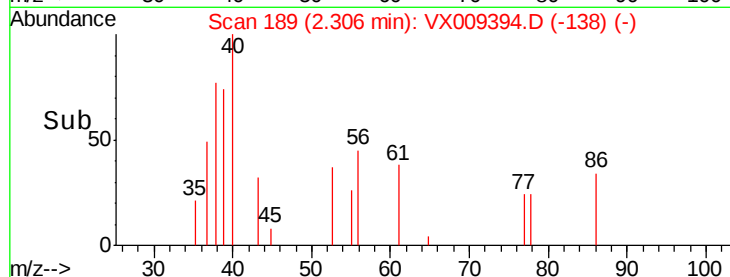
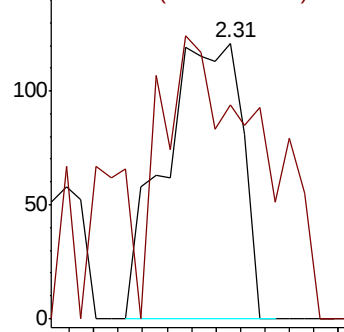
56 100

55 131.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.346 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

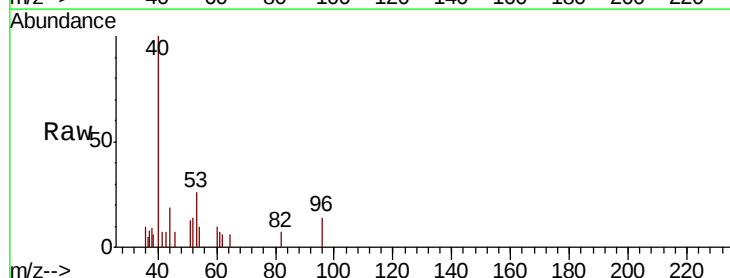
Tgt Ion: 53 Resp: 466

Ion Ratio Lower Upper

53 100

52 60.3 66.9 100.3#

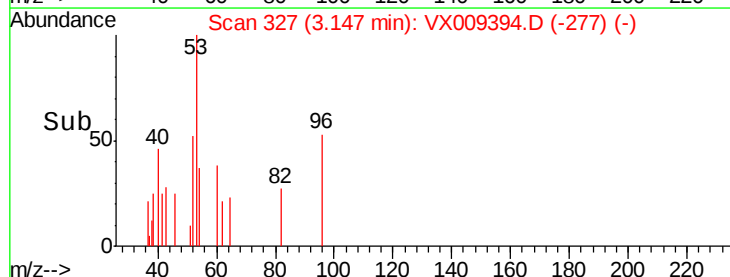
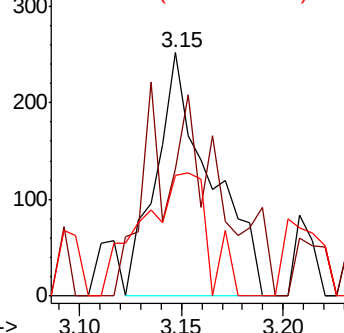
51 62.0 28.2 42.2#

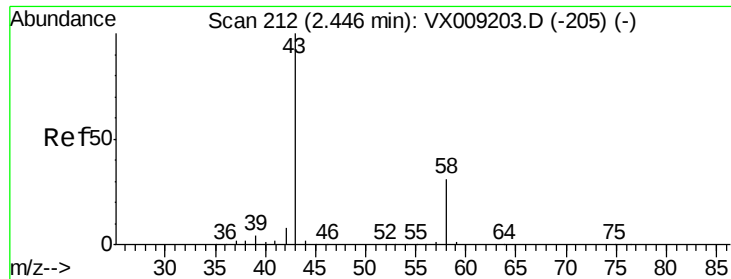


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.685 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampled :

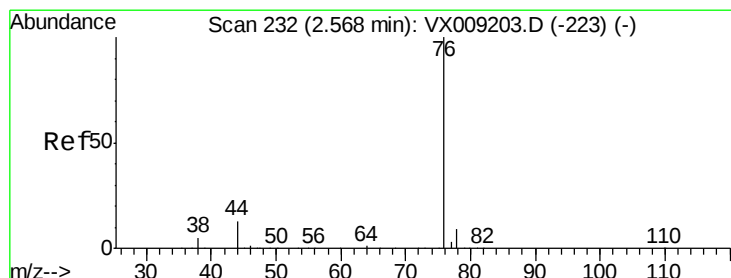
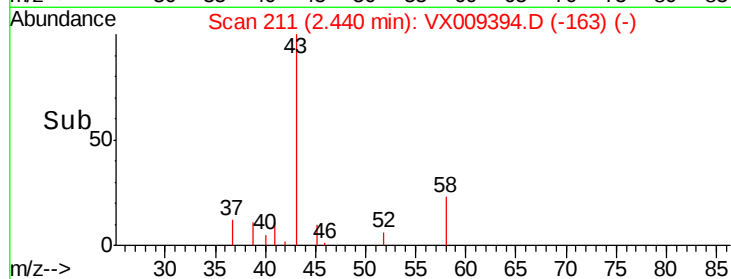
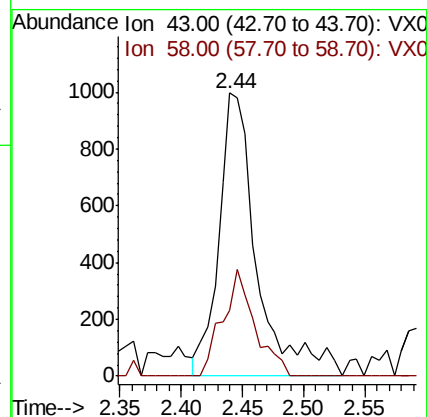
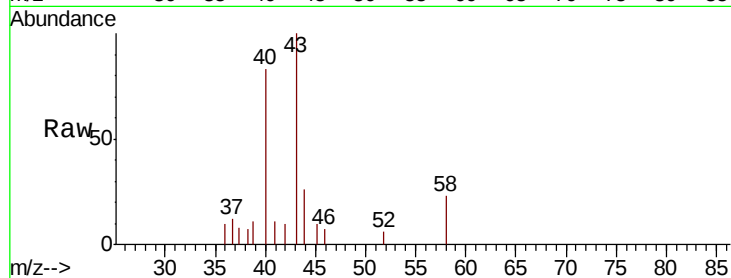
TB-01-190507

Tot Ion: 43 Resp: 2155

Ion Ratio Lower Upper

43 100

58 23.2 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.297 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009394.D

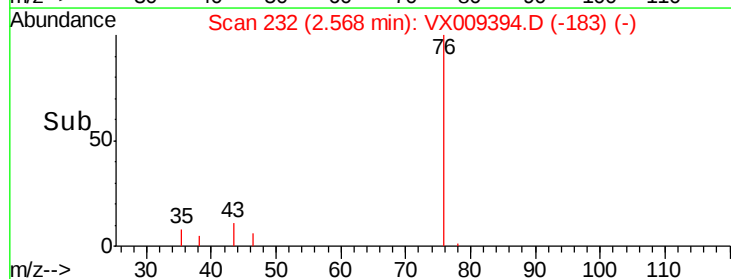
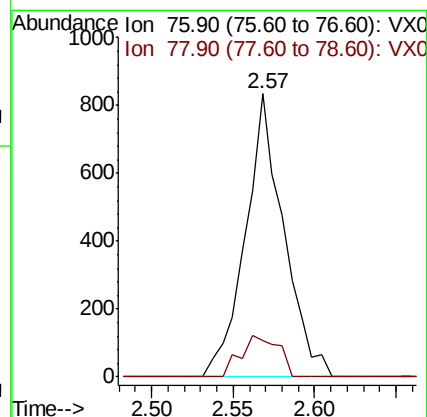
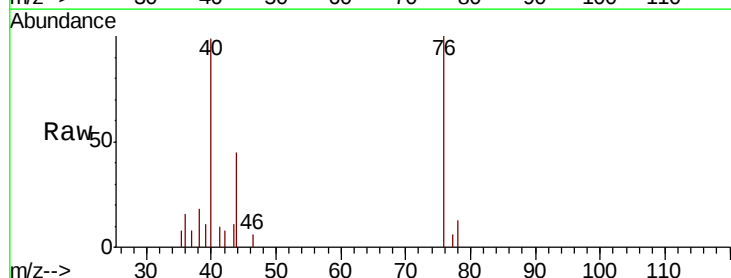
Acq: 08 May 2019 13:36

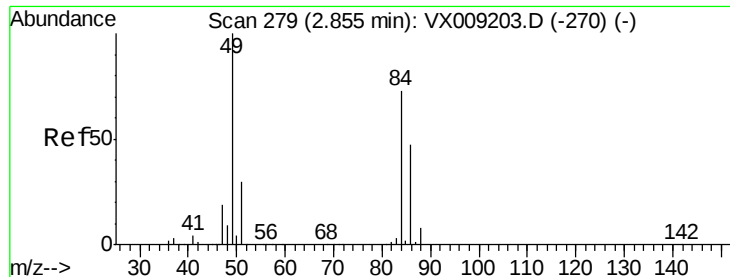
Tgt Ion: 76 Resp: 1366

Ion Ratio Lower Upper

76 100

78 12.8 7.4 11.0#

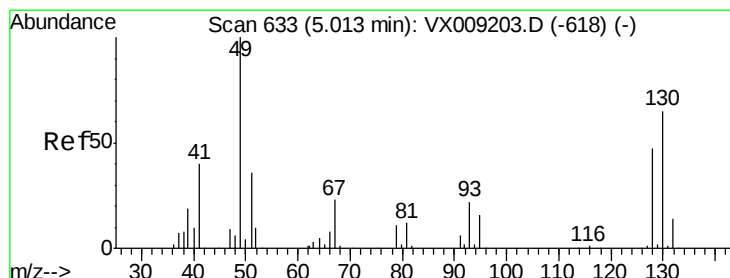
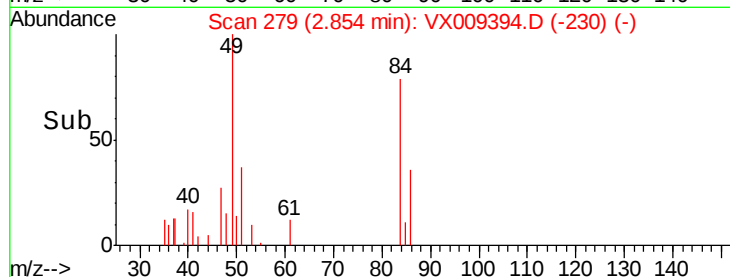
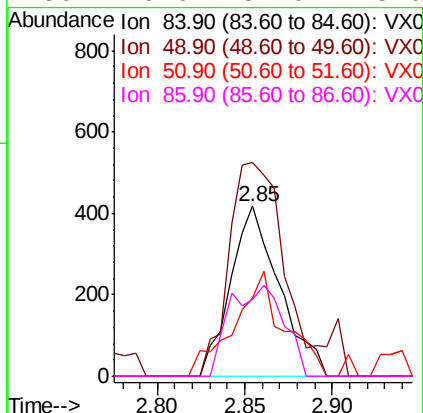
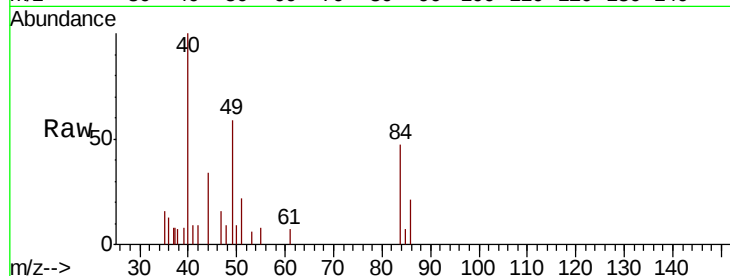




#20
Methvlene Chloride
Concen: 0.394 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009394.D
Acq: 08 May 2019 13:36

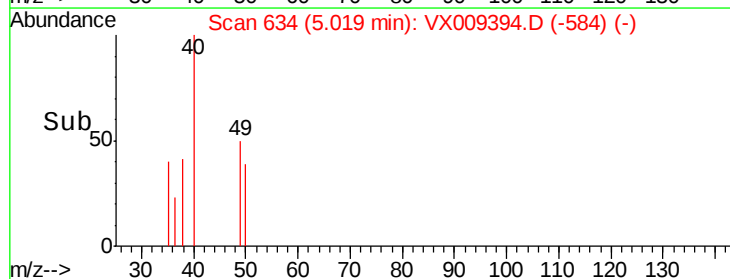
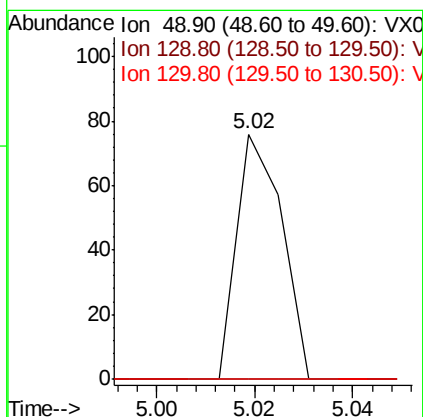
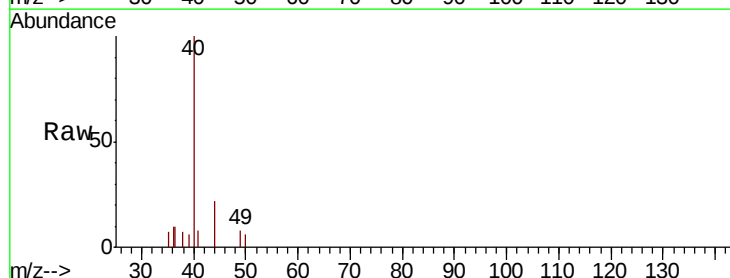
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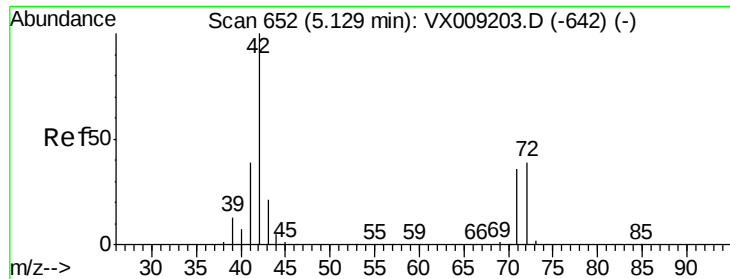
Tot Ion: 84 Resp: 816
Ion Ratio Lower Upper
84 100
49 125.9 109.9 164.9
51 46.0 32.7 49.1
86 45.6 52.0 78.0#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009394.D
Acq: 08 May 2019 13:36

Tgt Ion: 49 Resp: 49
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

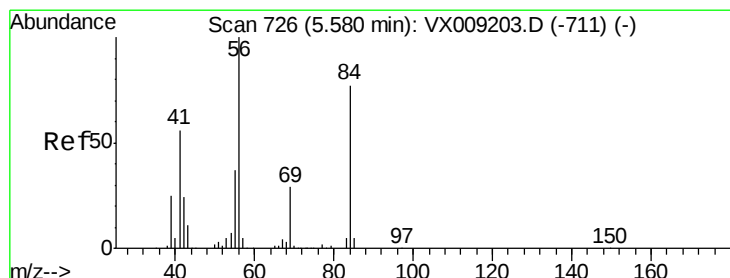
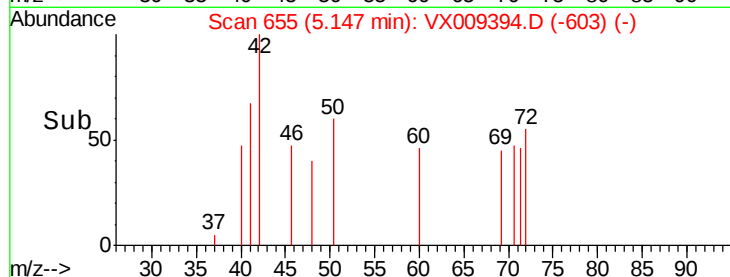
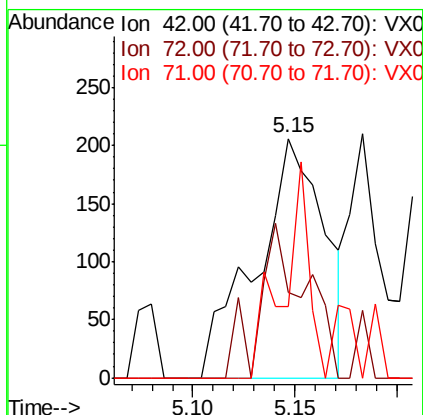
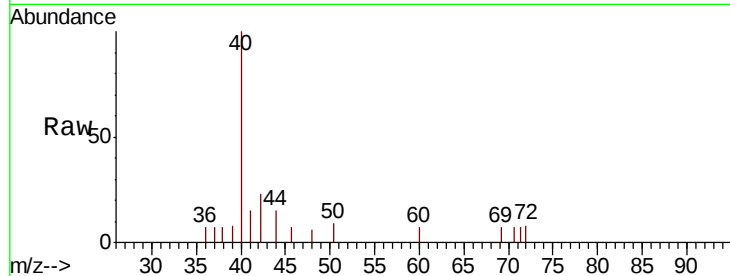




#29
Tetrahydrofuran
Concen: 0.374 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX009394.D
Acq: 08 May 2019 13:36

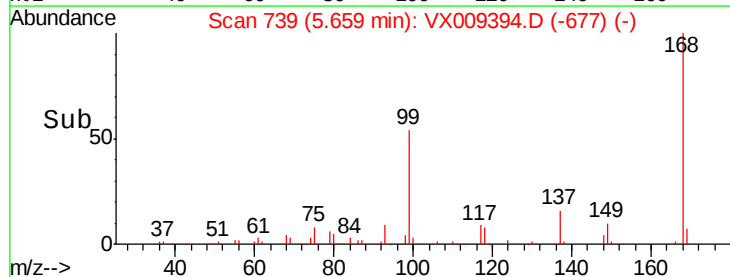
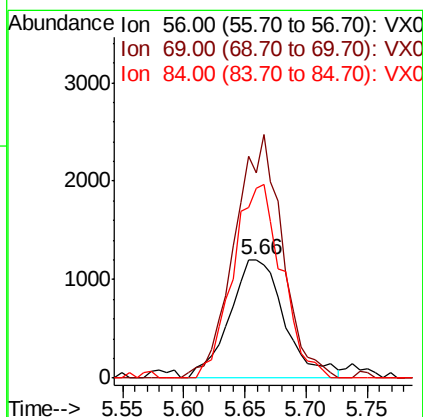
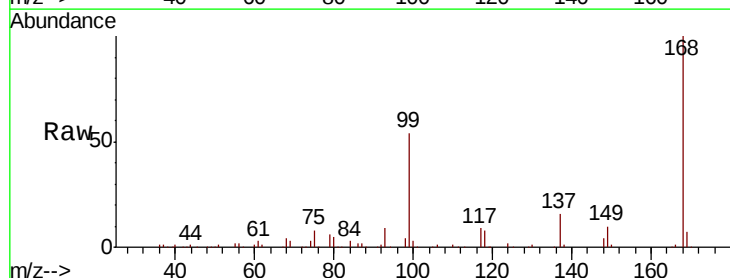
Instrument :
MSVOA_X
ClientSampled :
TB-01-190507

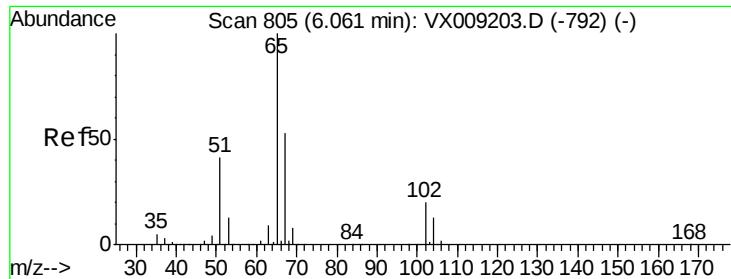
Tot Ion: 42 Resp: 479
Ion Ratio Lower Upper
42 100
72 44.1 30.4 45.6
71 34.9 28.6 43.0



#31
Cyclohexane
Concen: 1.064 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009394.D
Acq: 08 May 2019 13:36

Tgt Ion: 56 Resp: 3746
Ion Ratio Lower Upper
56 100
69 184.0 23.4 35.0#
84 169.3 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 47.767 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

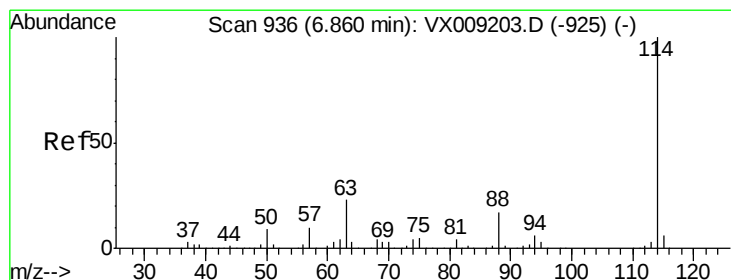
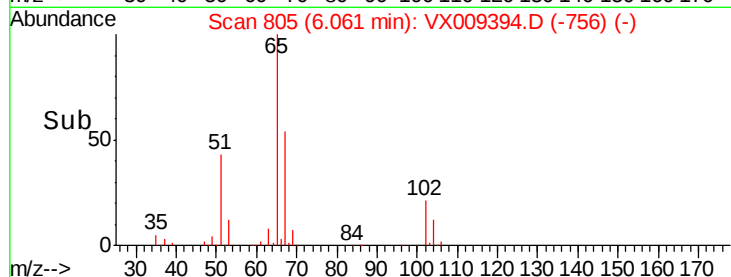
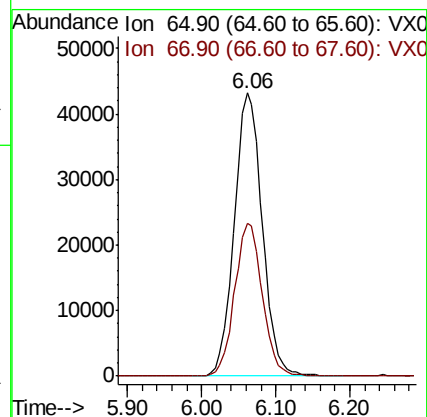
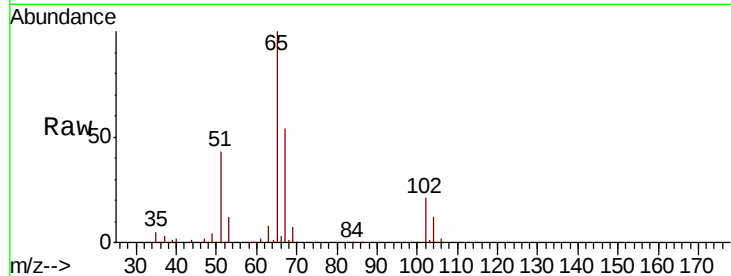
TB-01-190507

Tot Ion: 65 Resp: 113789

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

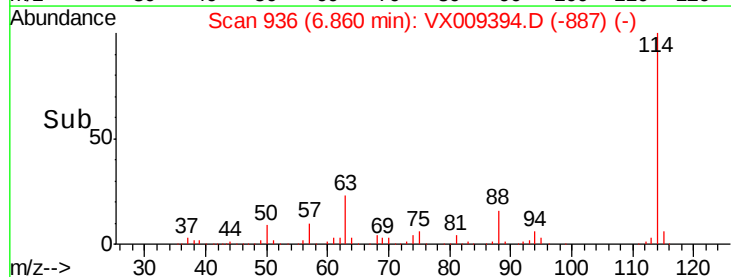
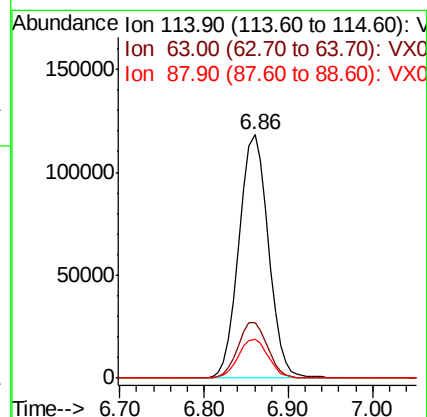
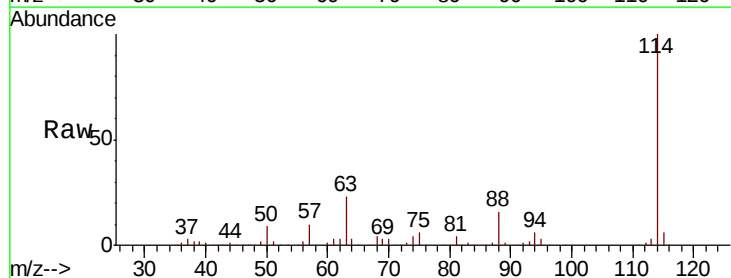
Tgt Ion: 114 Resp: 279168

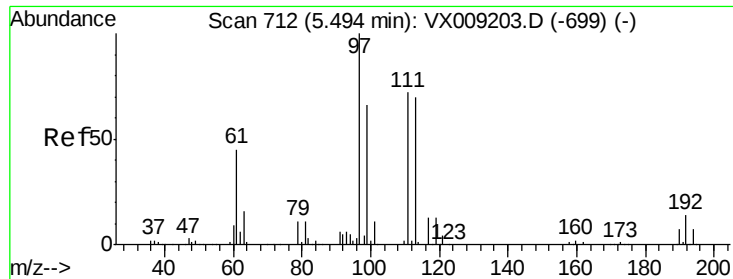
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.736 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190507

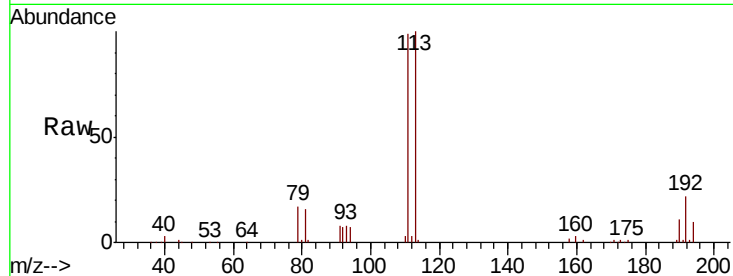
Tot Ion:113 Resp: 85529

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

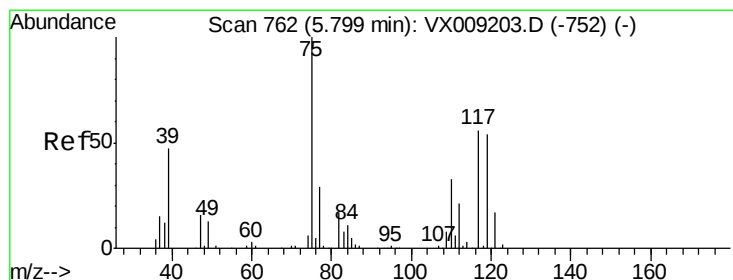
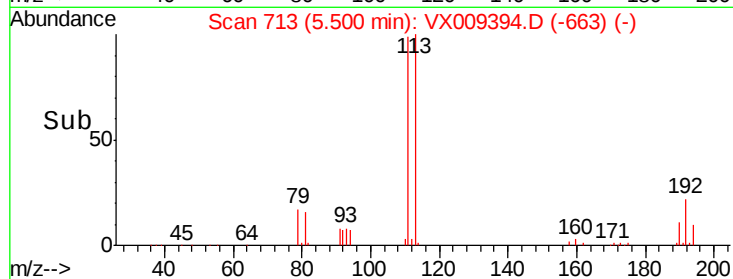
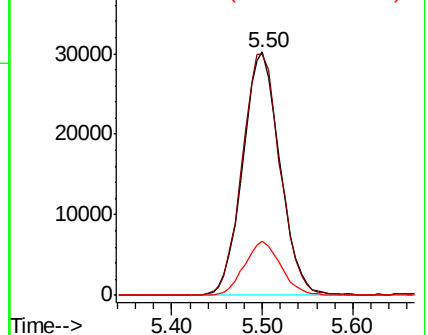
192 21.8 17.0 25.6



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: 5.096 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

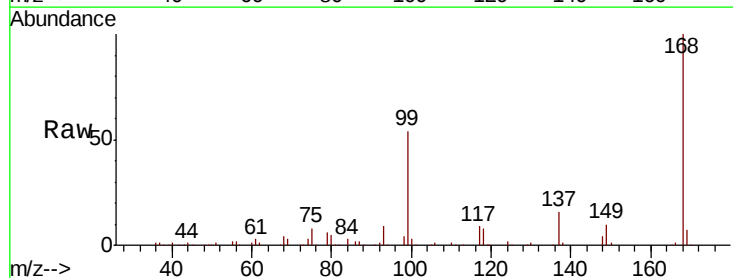
Tgt Ion: 75 Resp: 13221

Ion Ratio Lower Upper

75 100

110 4.6 16.9 50.6#

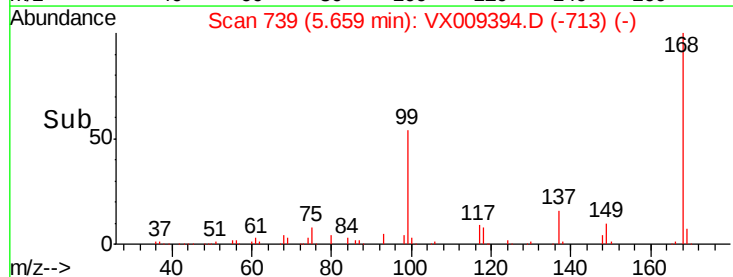
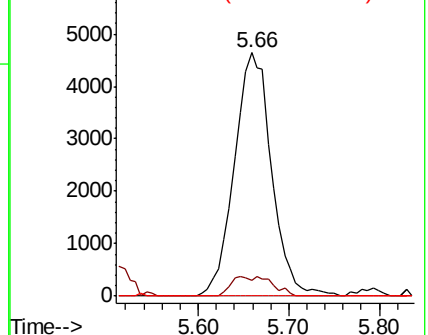
77 0.0 24.8 37.2#

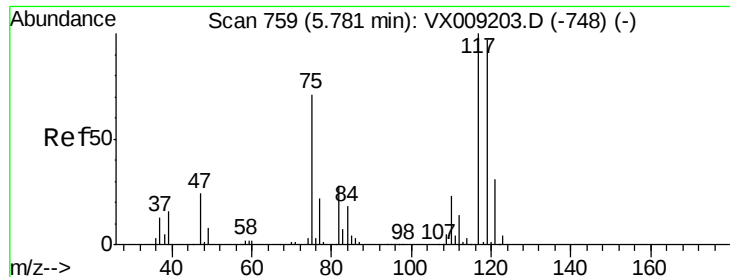


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.885 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190507

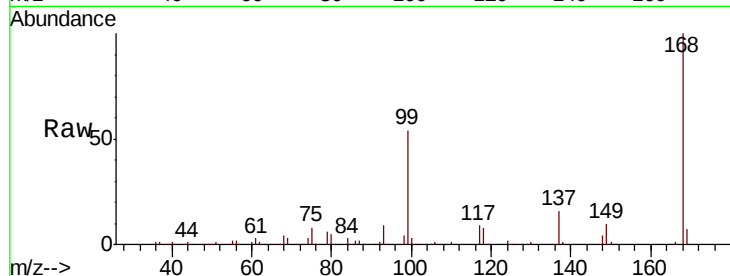
Tot Ion:117 Resp: 16228

Ion Ratio Lower Upper

117 100

119 9.3 77.5 116.3#

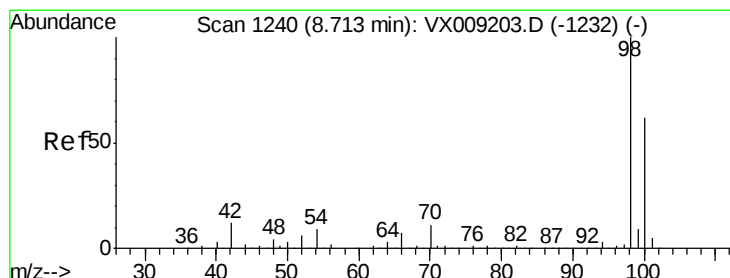
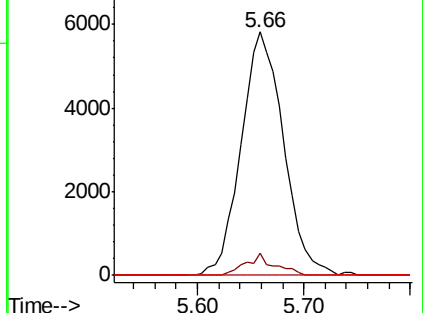
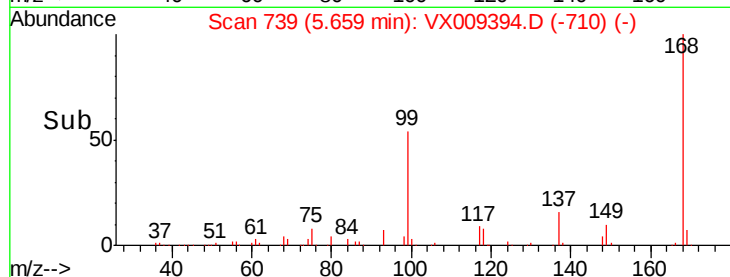
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.027 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009394.D

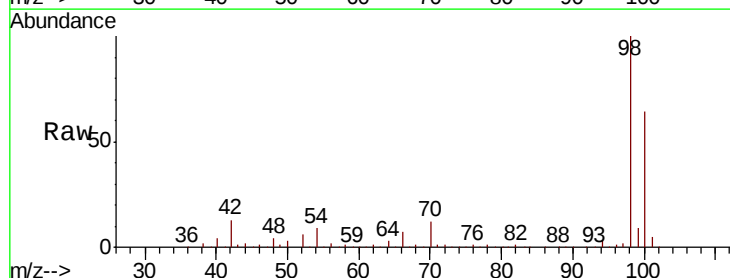
Acq: 08 May 2019 13:36

Tgt Ion: 98 Resp: 347368

Ion Ratio Lower Upper

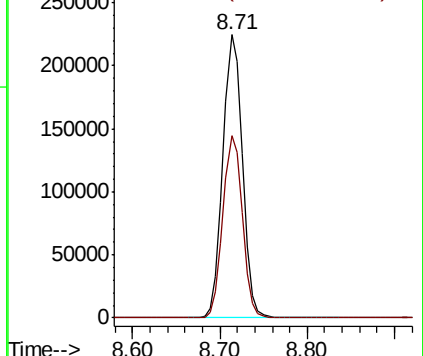
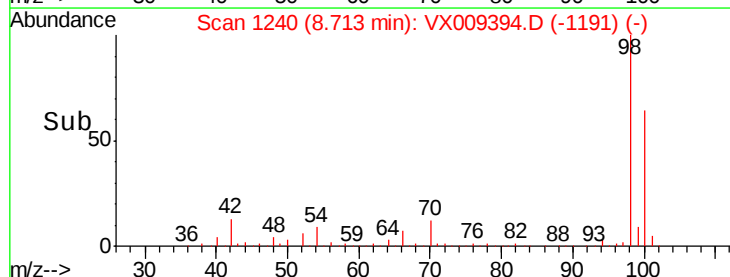
98 100

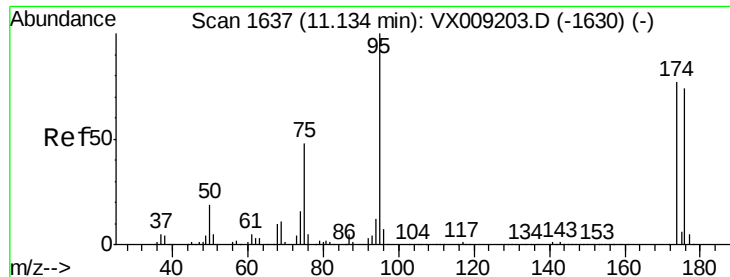
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.770 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190507

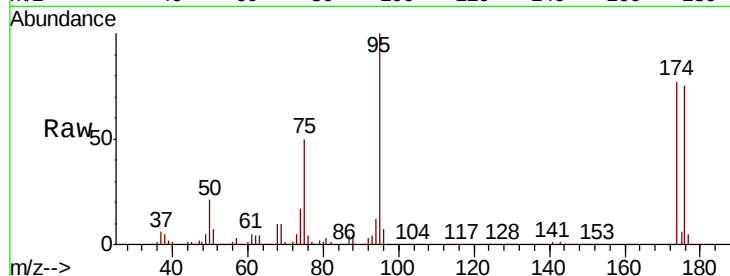
Tot Ion: 95 Resp: 115259

Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.6

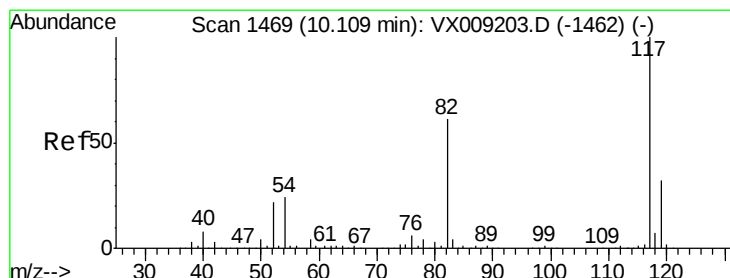
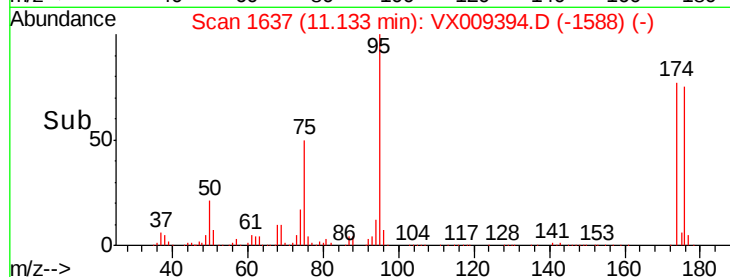
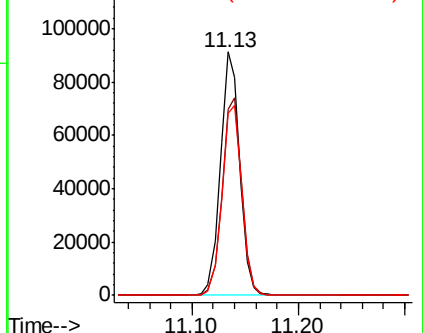
176 80.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009394.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009394.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009394.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

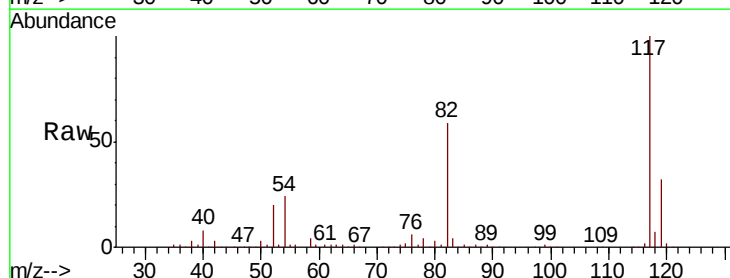
Tgt Ion: 117 Resp: 244730

Ion Ratio Lower Upper

117 100

82 58.9 48.8 73.2

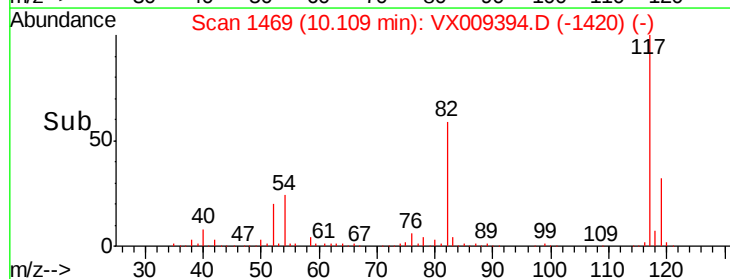
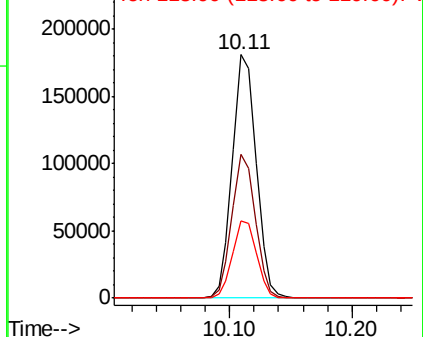
119 31.7 25.8 38.6

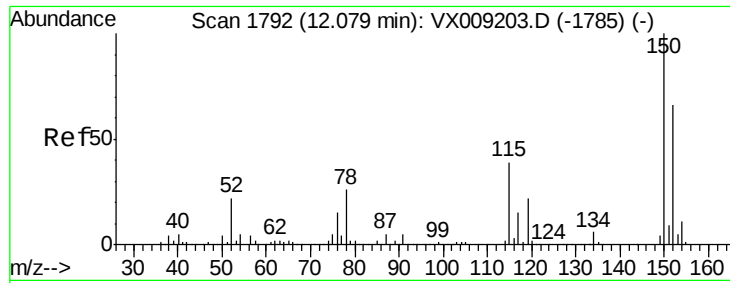


Abundance Ion 116.90 (116.60 to 117.60): VX009394.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009394.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009394.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190507

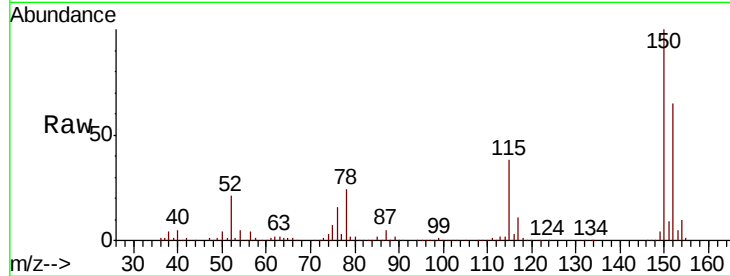
Tot Ion:152 Resp: 106119

Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

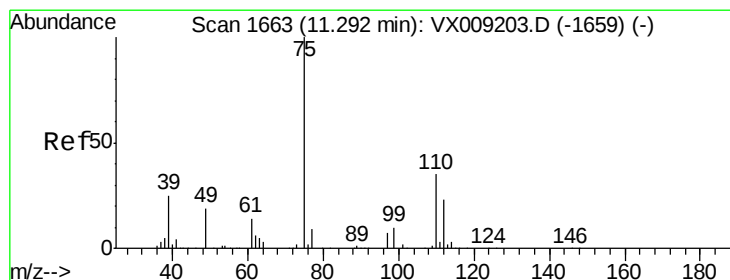
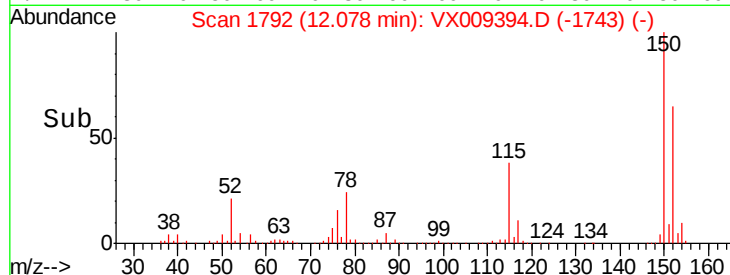
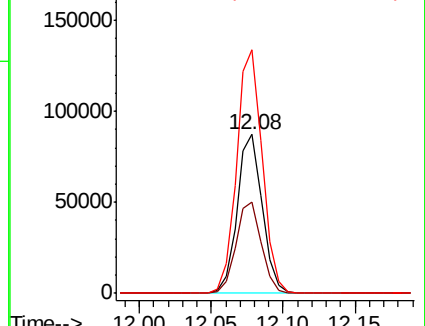
150 157.0 0.0 346.4



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: 23.985 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009394.D

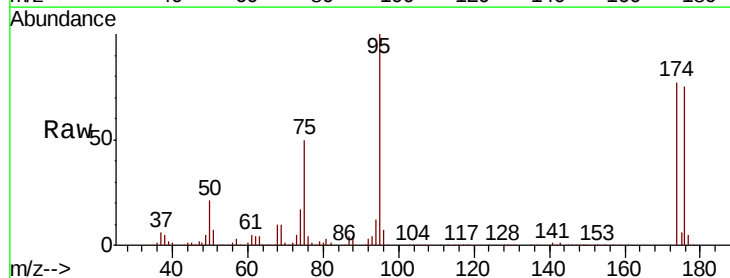
Acq: 08 May 2019 13:36

Tgt Ion: 75 Resp: 59042

Ion Ratio Lower Upper

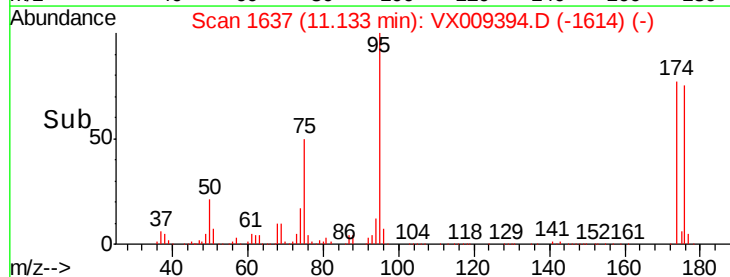
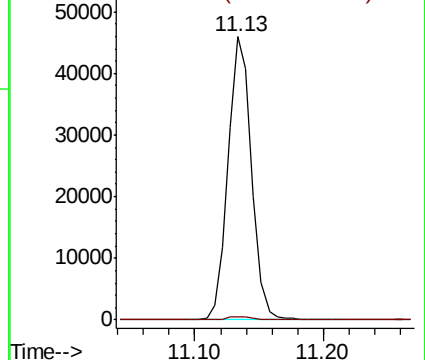
75 100

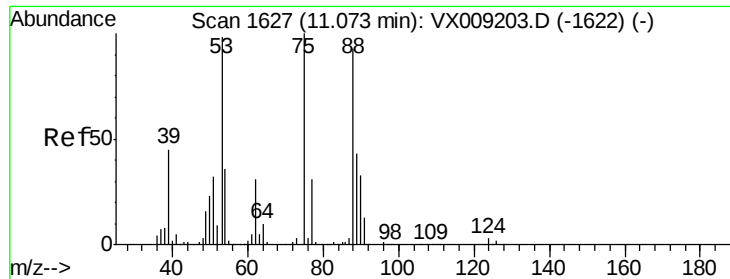
77 1.4 22.1 66.1#



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: 61.370 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009394.D

Acq: 08 May 2019 13:36

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190507

Tot Ion: 75 Resp: 59042

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

