

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
 Data File : VX006890.D
 Acq On : 03 Jan 2019 13:12
 Operator : JC/MD
 Sample : K1031-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190102

Quant Time: Jan 04 00:19:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	679210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1026467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	950485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	458217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	353150	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	5.51	113	313574	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	1209439	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.13	95	430312	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

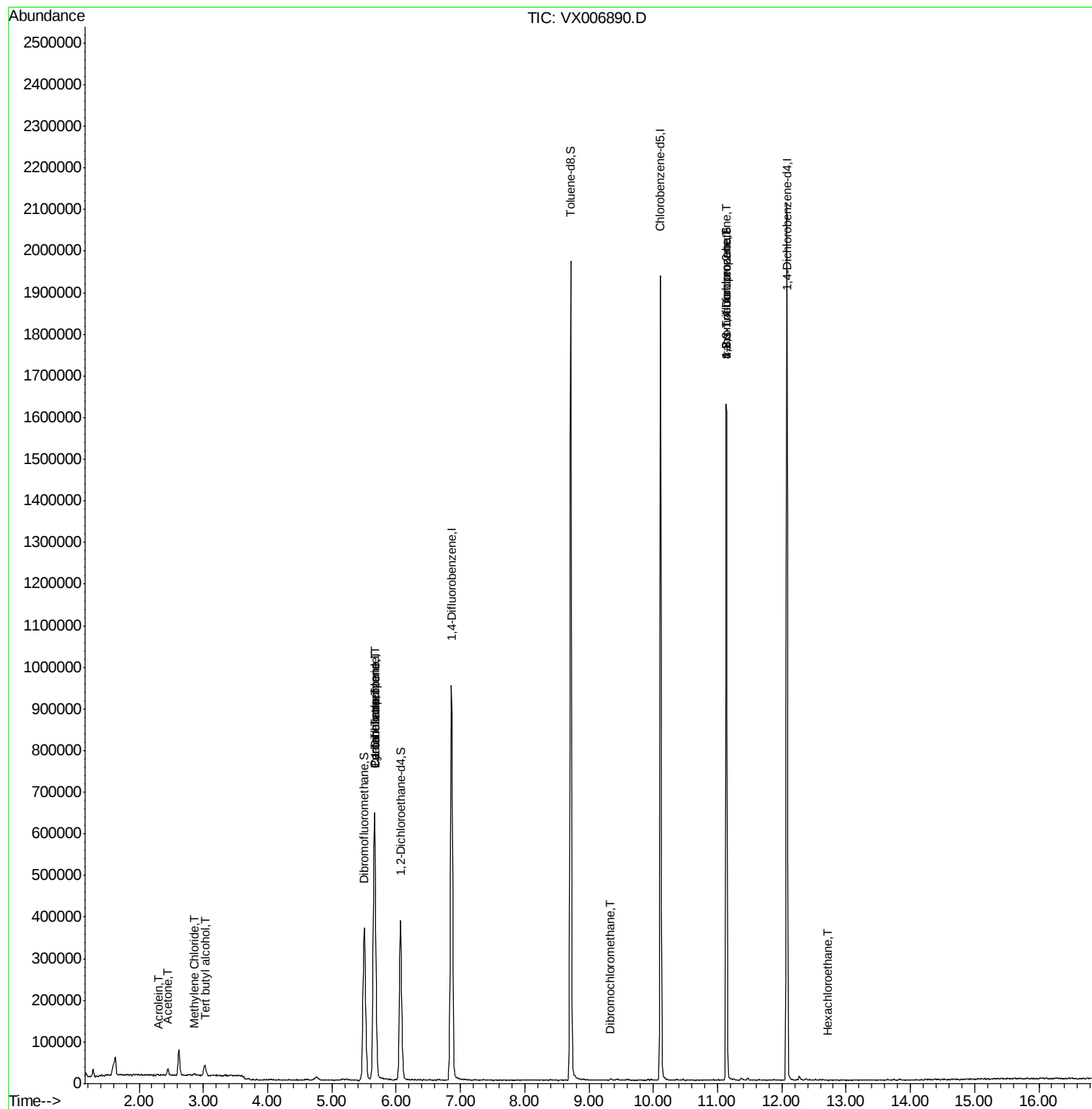
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1387	Below Cal	#	78
11) Tert butyl alcohol	3.03	59	15351	9.397	ug/l #	79
13) Acrolein	2.29	56	255	0.231	ug/l #	1
16) Acetone	2.45	43	19765	5.877	ug/l	99
20) Methylene Chloride	2.85	84	2437	0.350	ug/l #	86
28) Bromochloromethane	5.01	49	118	Below Cal	#	19
31) Cyclohexane	5.66	56	10885	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	42920	5.049	ug/l #	39
38) Carbon Tetrachloride	5.67	117	60561	7.330	ug/l #	14
49) 1,4-Dioxane	7.74	88	187	Below Cal	#	1
60) Dibromochloromethane	9.34	129	230	2.355	ug/l	70
76) 1,2,3-Trichloropropane	11.13	75	202314	23.758	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	202314	70.415	ug/l #	10
90) Hexachloroethane	12.71	117	157	3.327	ug/l	54

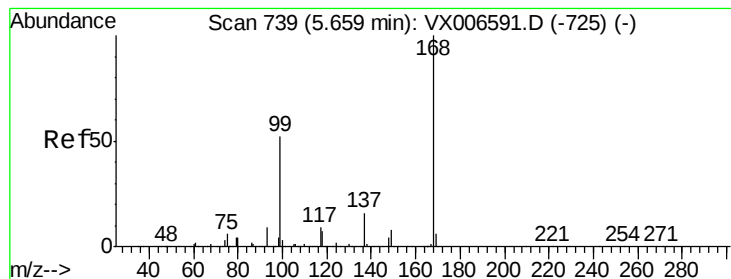
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

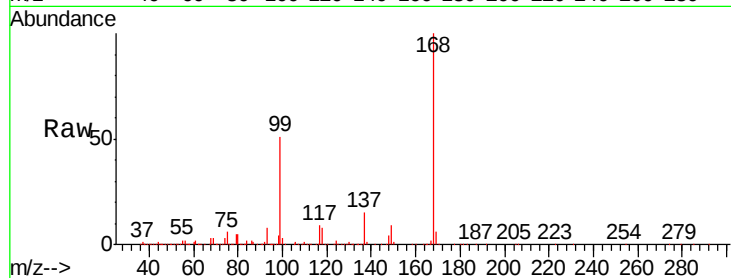
TB-01-190102

Tgt Ion:168 Resp: 679210

Ion Ratio Lower Upper

168 100

99 50.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006890.D

Ion 98.90 (98.60 to 99.60): VX006890.D

5.67

250000

200000

150000

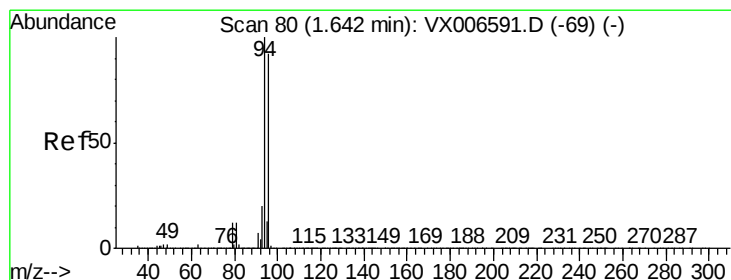
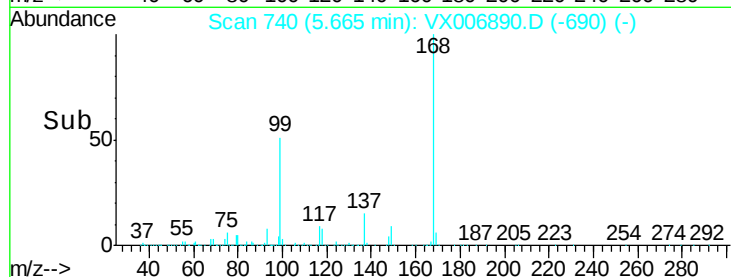
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006890.D

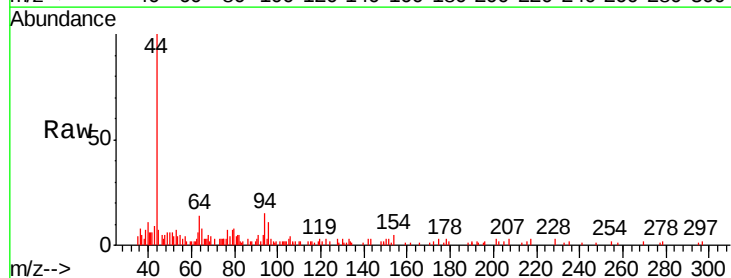
Acq: 03 Jan 2019 13:12

Tgt Ion: 94 Resp: 1387

Ion Ratio Lower Upper

94 100

96 70.7 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX006890.D

Ion 95.90 (95.60 to 96.60): VX006890.D

800

600

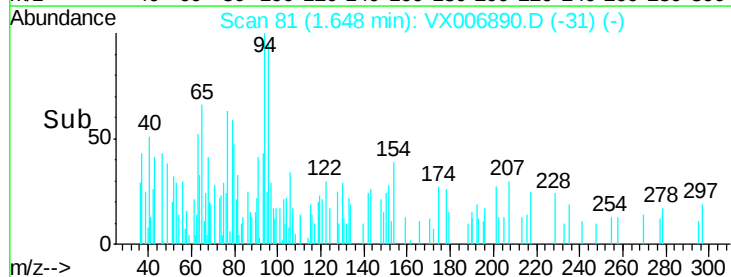
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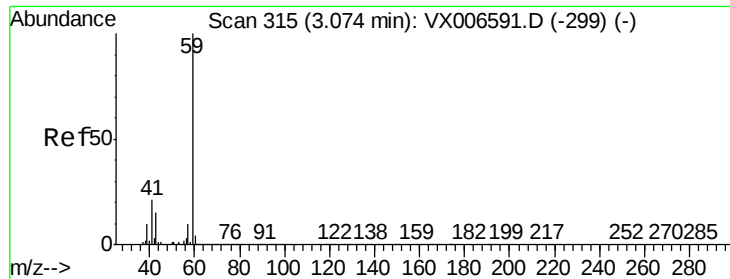
200

0

Time-->

1.60 1.65

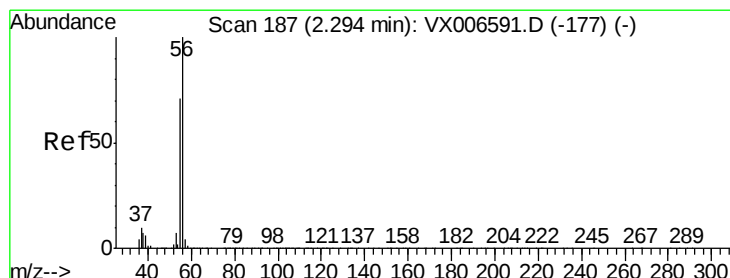
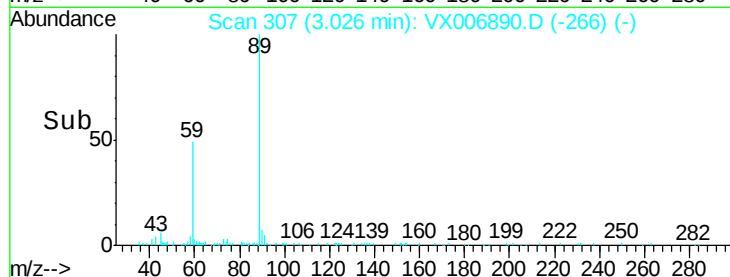
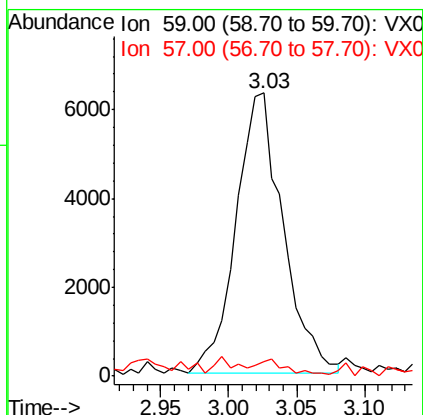
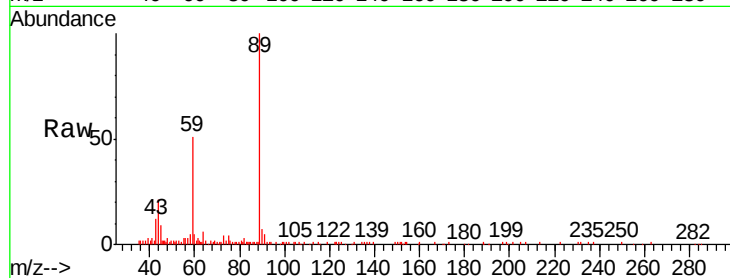




#11
Tert butyl alcohol
Concen: 9.397 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006890.D
Acq: 03 Jan 2019 13:12

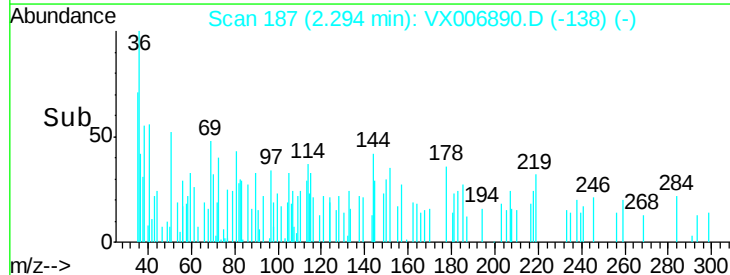
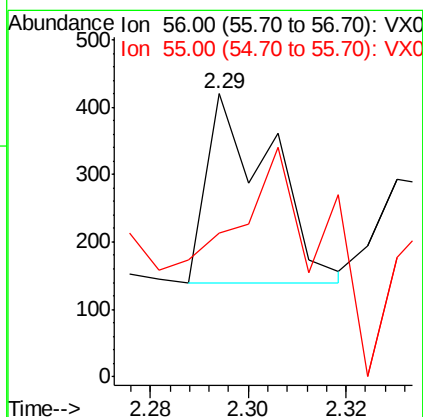
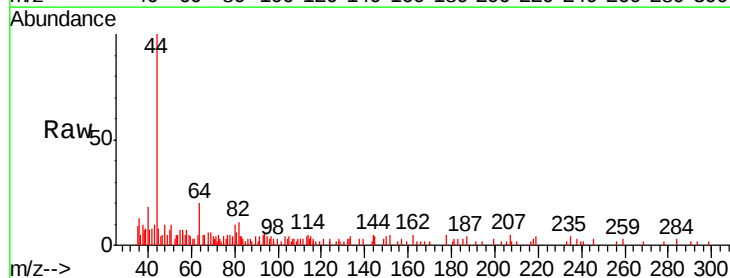
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190102

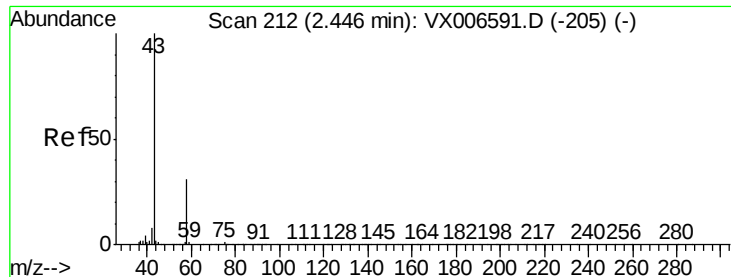
Tgt Ion: 59 Resp: 15351
Ion Ratio Lower Upper
59 100
57 2.8 8.5 12.7#



#13
Acrolein
Concen: 0.231 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006890.D
Acq: 03 Jan 2019 13:12

Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 172.9 58.2 87.4#

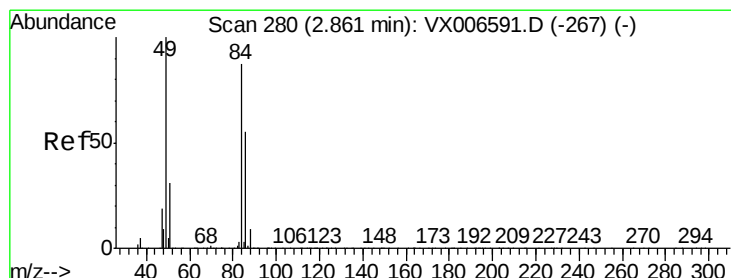
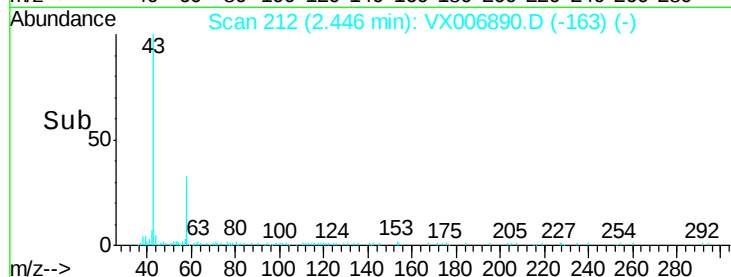
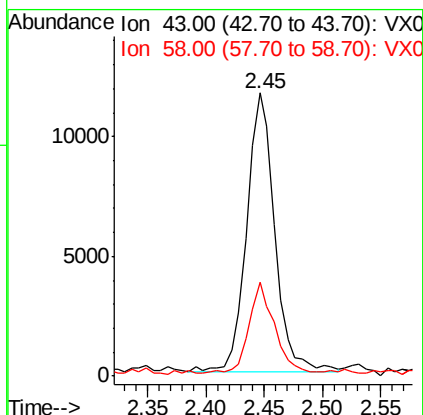
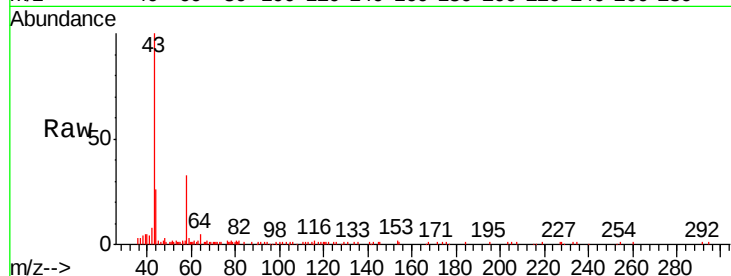




#16
Acetone
Concen: 5.877 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006890.D
Acq: 03 Jan 2019 13:12

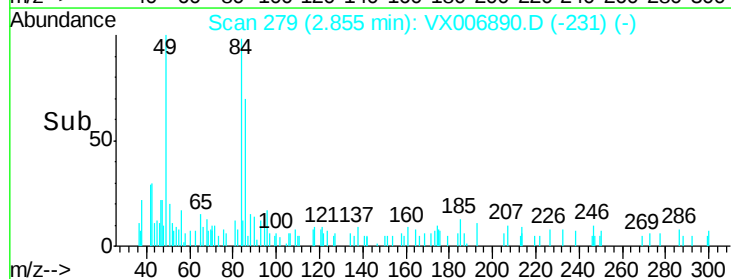
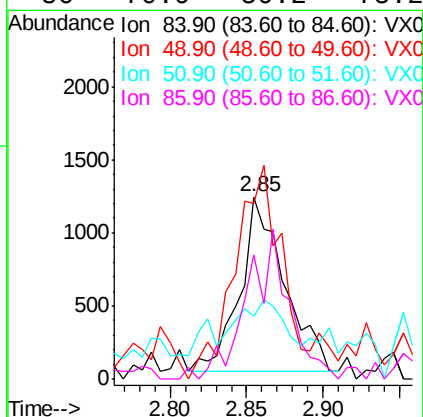
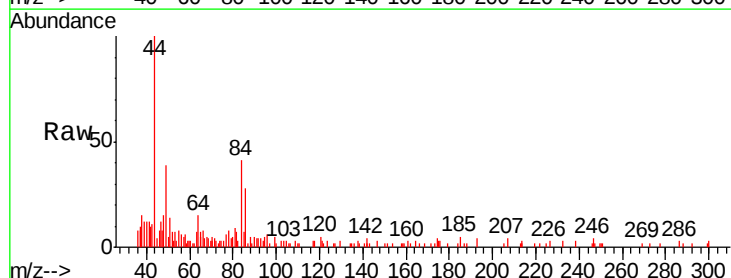
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190102

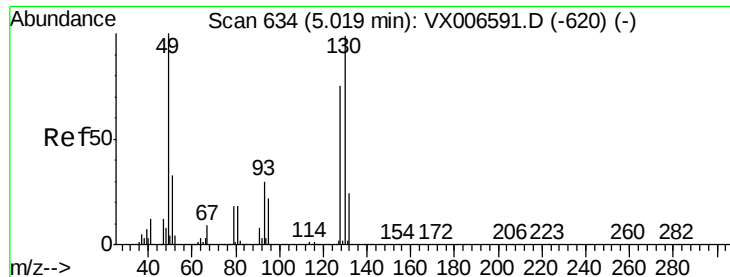
Tgt Ion: 43 Resp: 19765
Ion Ratio Lower Upper
43 100
58 31.7 25.0 37.6



#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006890.D
Acq: 03 Jan 2019 13:12

Tgt Ion: 84 Resp: 2437
Ion Ratio Lower Upper
84 100
49 100.4 91.8 137.6
51 23.0 28.5 42.7#
86 70.9 50.2 75.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190102

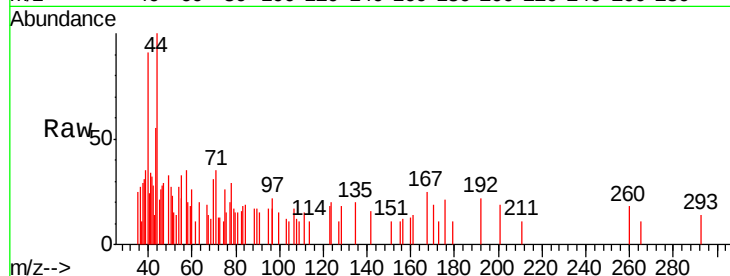
Tgt Ion: 49 Resp: 118

Ion Ratio Lower Upper

49 100

129 16.9 0.0 5.4#

130 16.1 77.7 116.5#

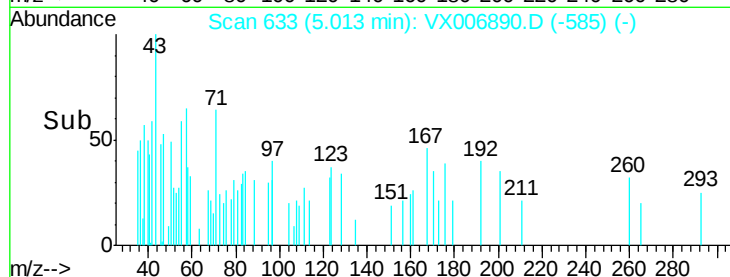


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->

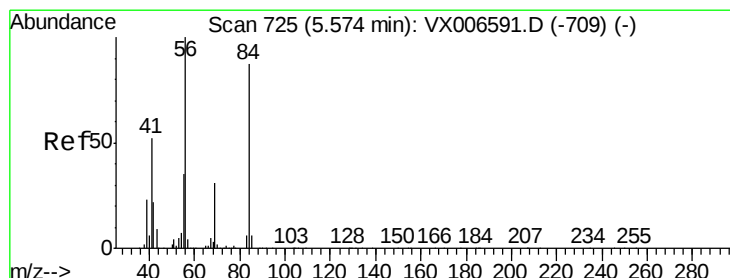


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

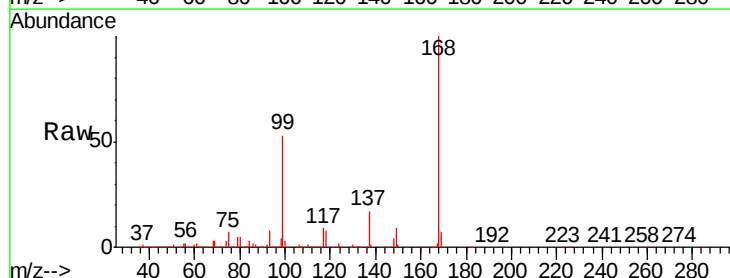
Tgt Ion: 56 Resp: 10885

Ion Ratio Lower Upper

56 100

69 190.7 24.4 36.6#

84 177.3 70.0 105.0#

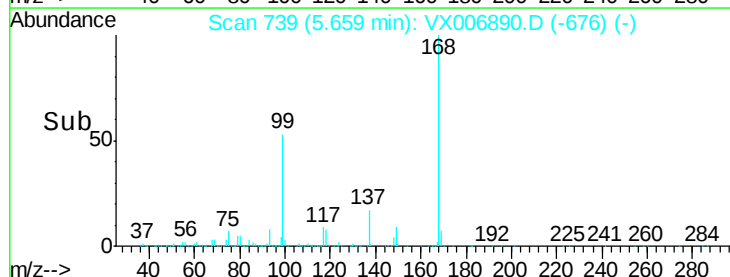


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->

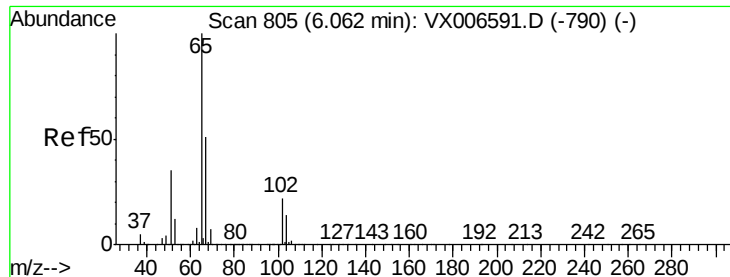


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.243 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

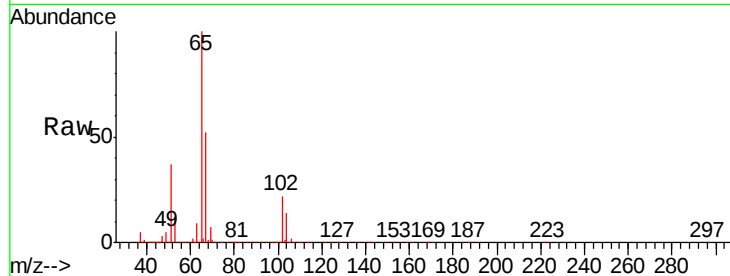
TB-01-190102

Tgt Ion: 65 Resp: 353150

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

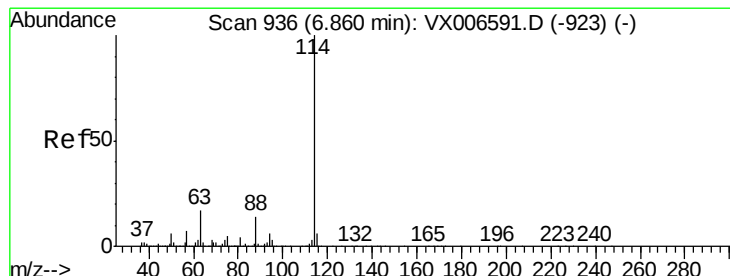
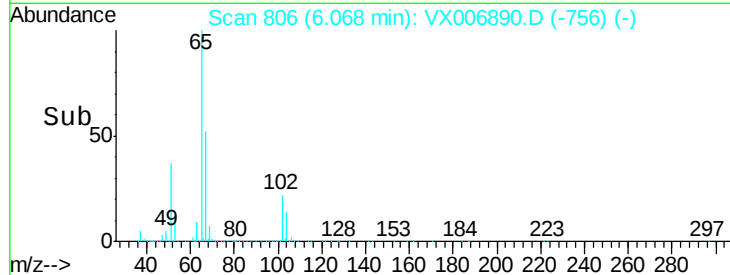
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

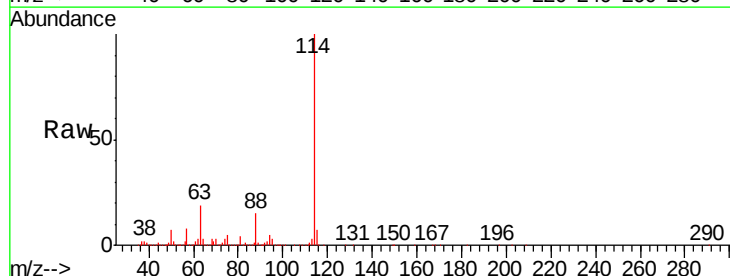
Tgt Ion:114 Resp: 1026467

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

88 14.9 0.0 28.8



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

600000

500000

400000

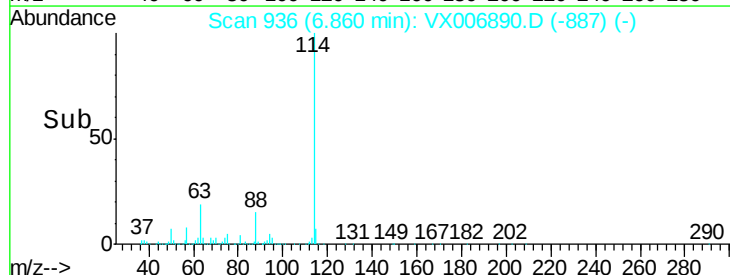
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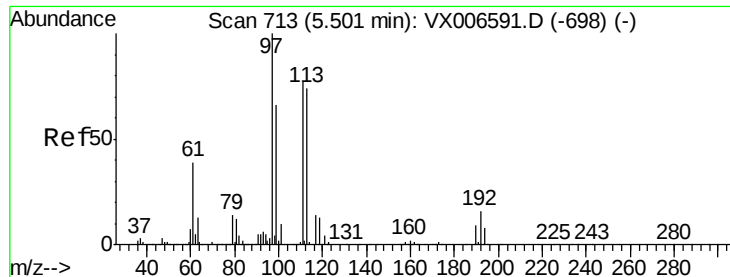
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.308 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190102

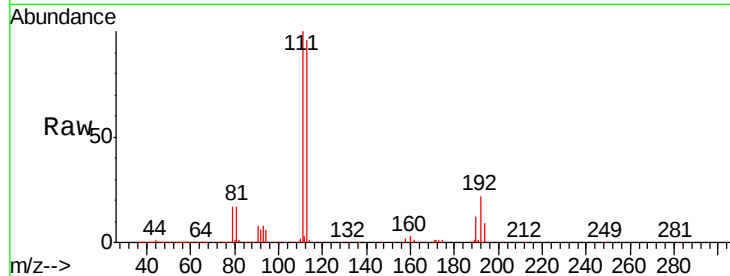
Tgt Ion:113 Resp: 313574

Ion Ratio Lower Upper

113 100

111 101.2 81.6 122.4

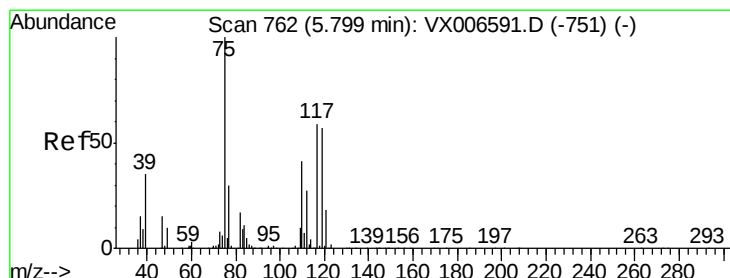
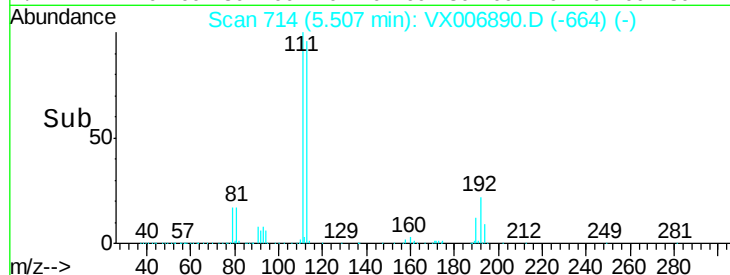
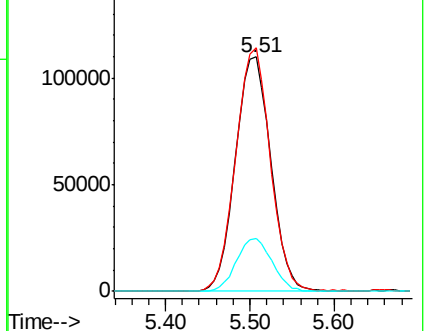
192 22.7 16.7 25.1



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: 5.049 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

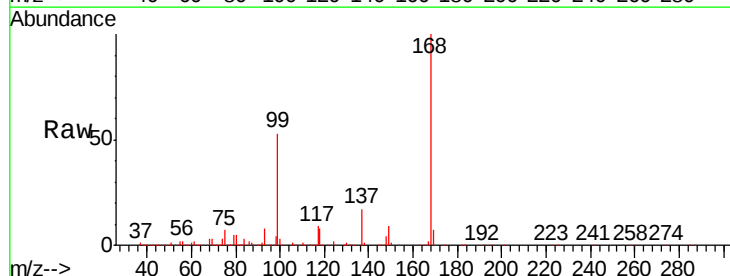
Tgt Ion: 75 Resp: 42920

Ion Ratio Lower Upper

75 100

110 0.0 20.2 60.5#

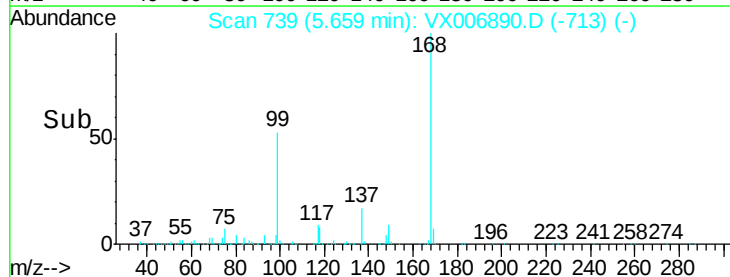
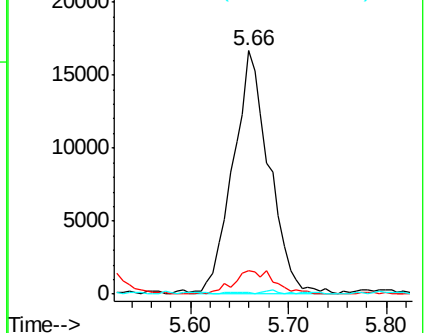
77 0.6 24.8 37.2#

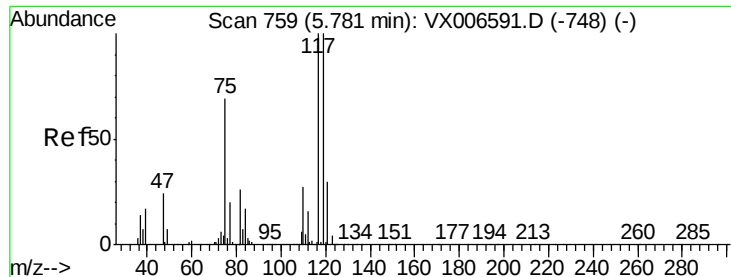


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.330 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

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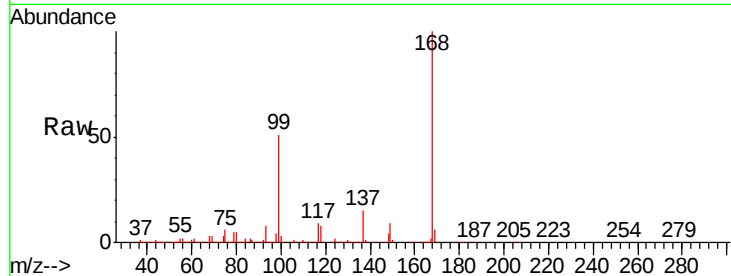
Tgt Ion:117 Resp: 60561

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.2#

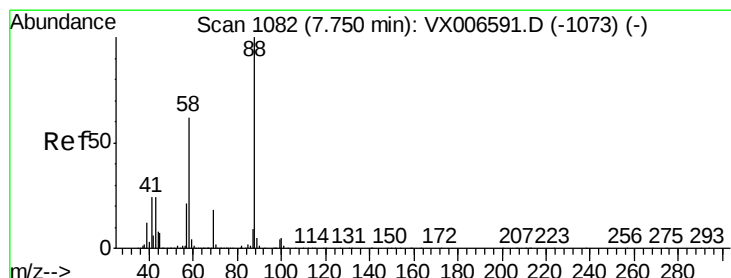
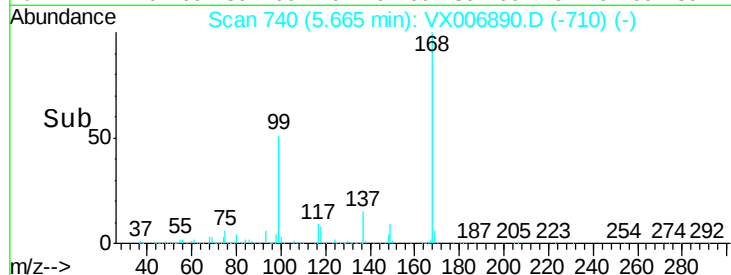
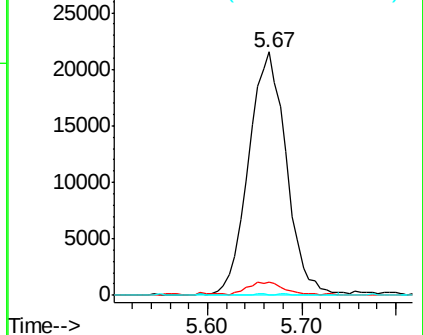
121 0.0 24.0 36.0#



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: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

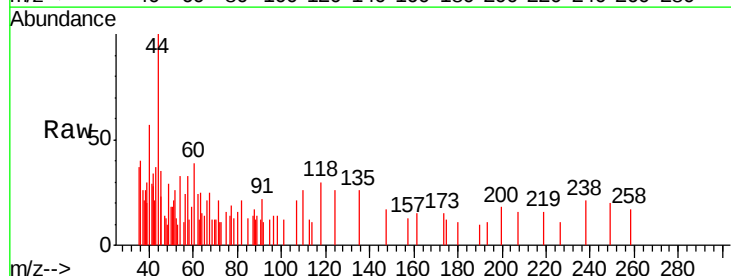
Tgt Ion: 88 Resp: 187

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

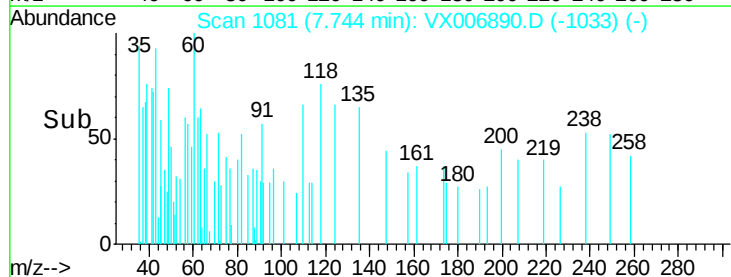
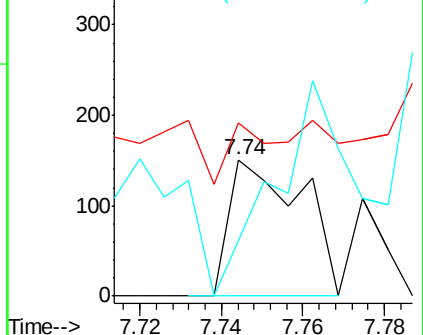
58 178.6 51.0 76.4#

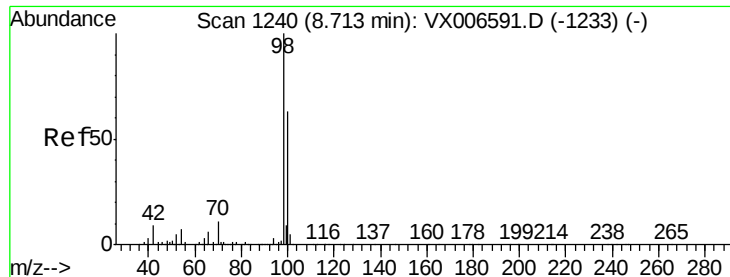


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.421 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

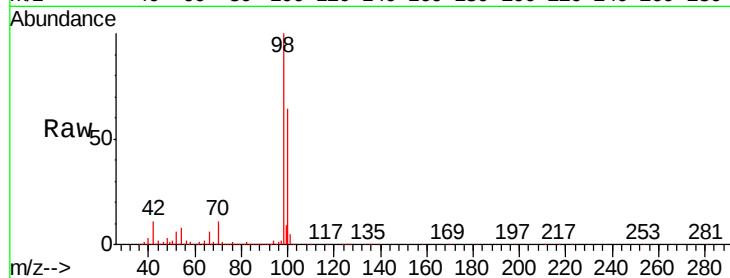
TB-01-190102

Tgt Ion: 98 Resp: 1209439

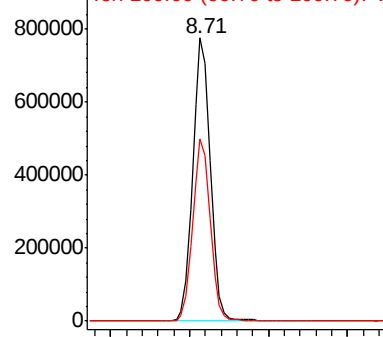
Ion Ratio Lower Upper

98 100

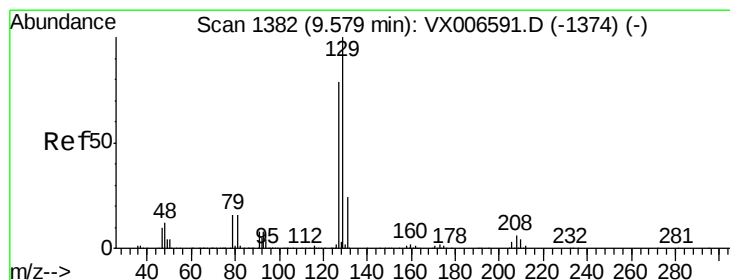
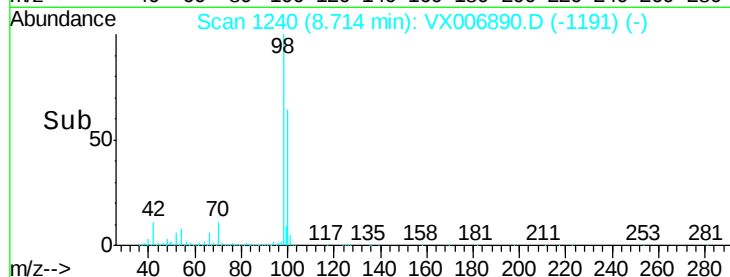
100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006890.D (-1191) (-)



Time-->



#60

Dibromochloromethane

Concen: 2.355 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. -0.24 min

Lab File: VX006890.D

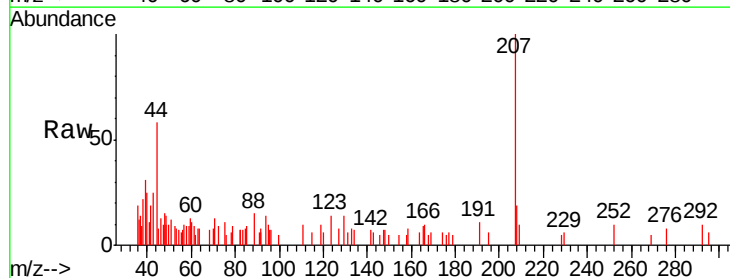
Acq: 03 Jan 2019 13:12

Tgt Ion: 129 Resp: 230

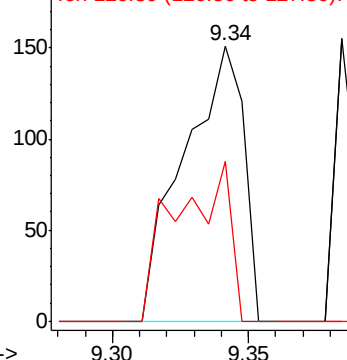
Ion Ratio Lower Upper

129 100

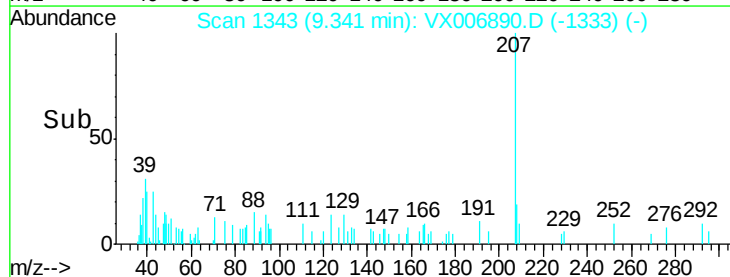
127 52.6 39.3 117.8

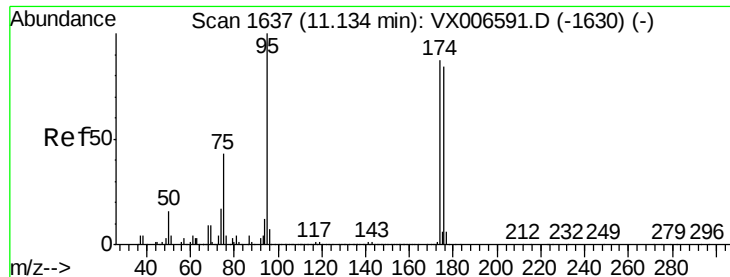


Abundance Ion 128.80 (128.50 to 129.50): VX006890.D (-1333) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 48.012 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190102

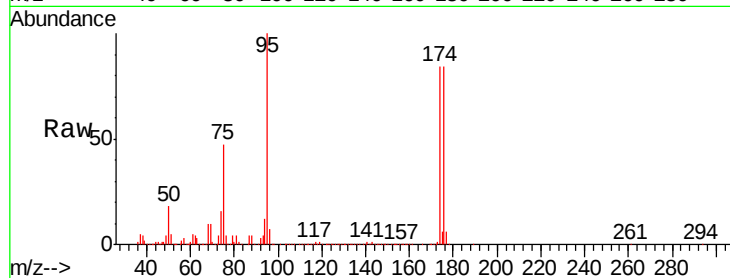
Tgt Ion: 95 Resp: 430312

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.2

176 90.3 0.0 178.8

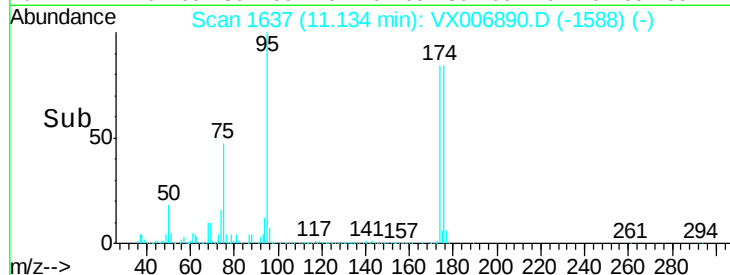


Abundance Ion 94.90 (94.60 to 95.60): VX0

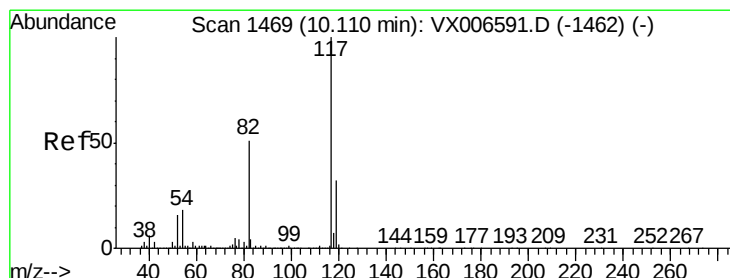
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

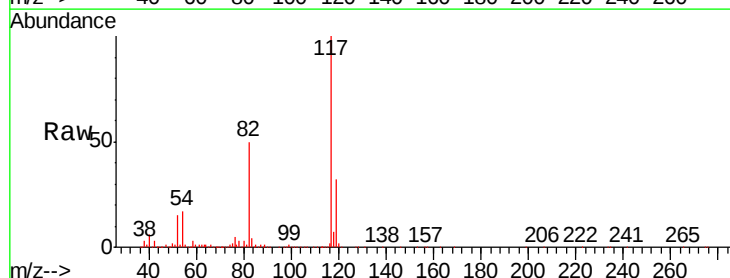
Tgt Ion: 117 Resp: 950485

Ion Ratio Lower Upper

117 100

82 49.5 41.0 61.6

119 32.1 25.4 38.0

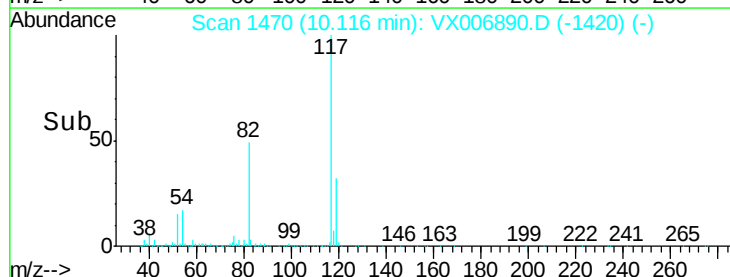


Abundance Ion 116.90 (116.60 to 117.60): V

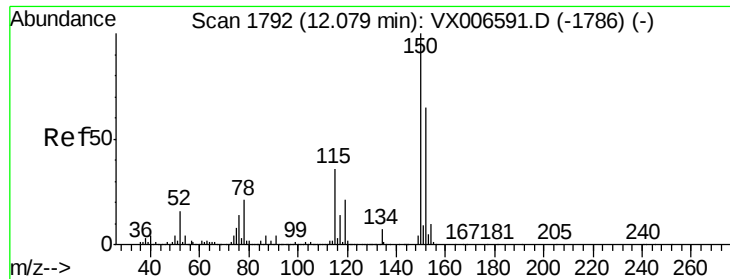
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190102

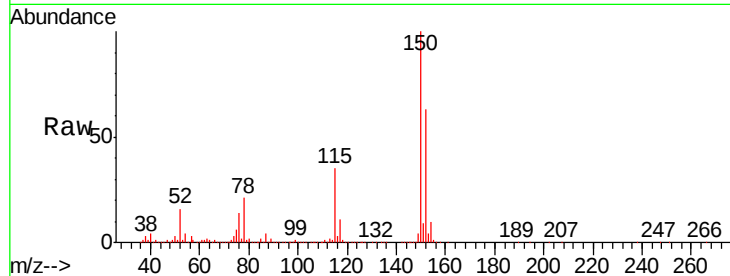
Tgt Ion:152 Resp: 458217

Ion Ratio Lower Upper

152 100

115 54.7 39.1 117.2

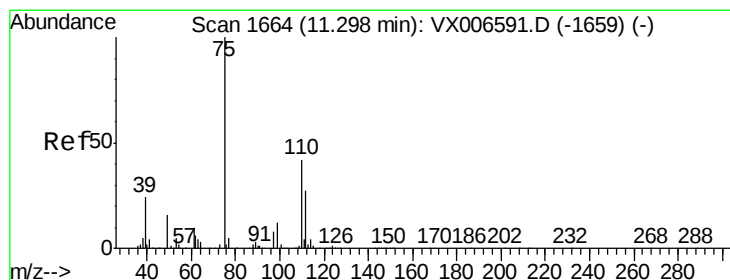
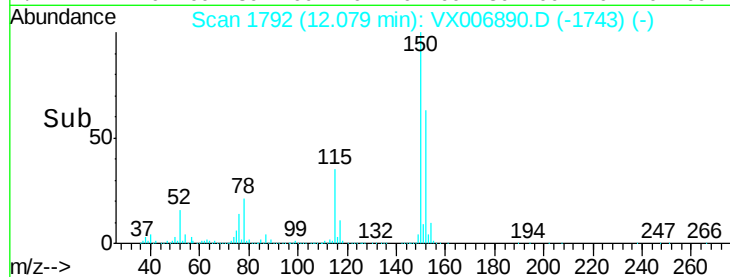
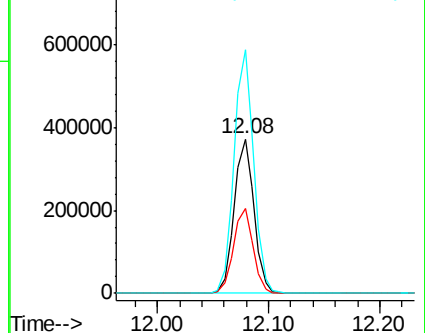
150 155.9 0.0 344.8



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: 23.758 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006890.D

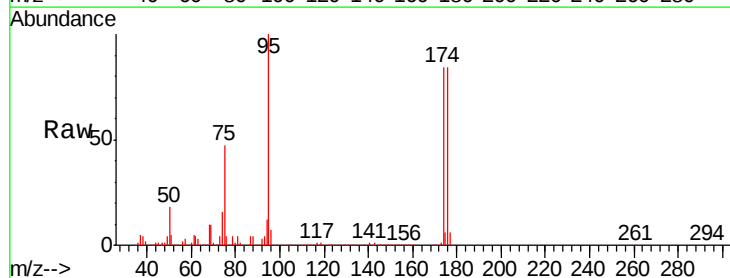
Acq: 03 Jan 2019 13:12

Tgt Ion: 75 Resp: 202314

Ion Ratio Lower Upper

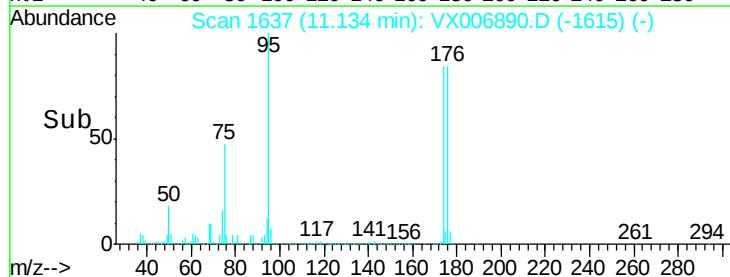
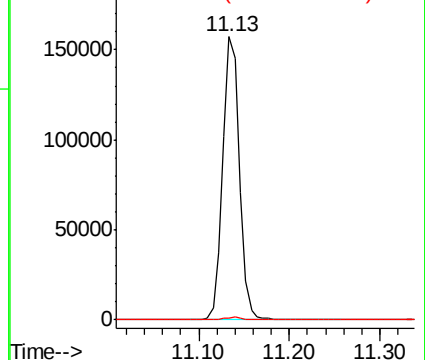
75 100

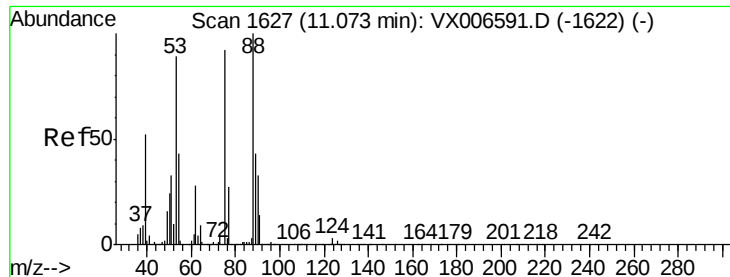
77 1.1 18.5 55.5#



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: 70.415 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006890.D

Acq: 03 Jan 2019 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190102

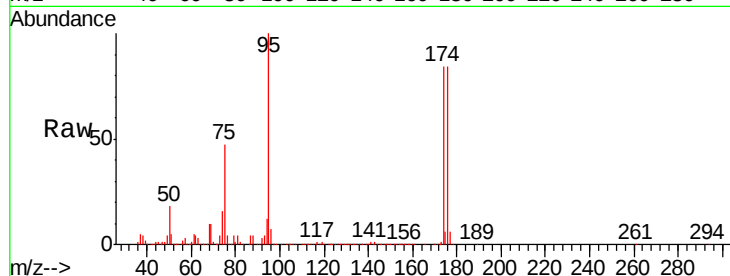
Tgt Ion: 75 Resp: 202314

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

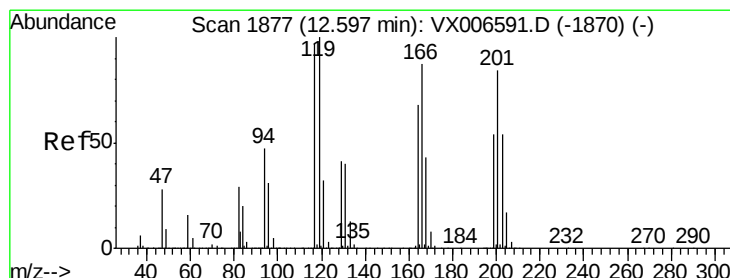
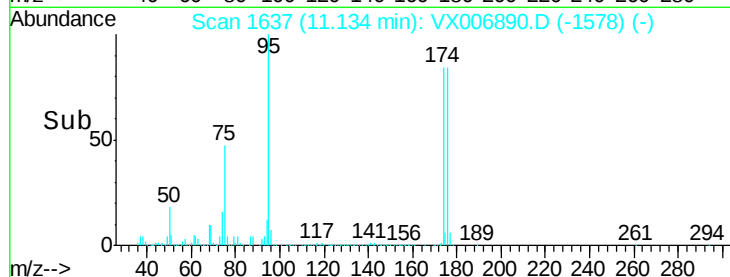
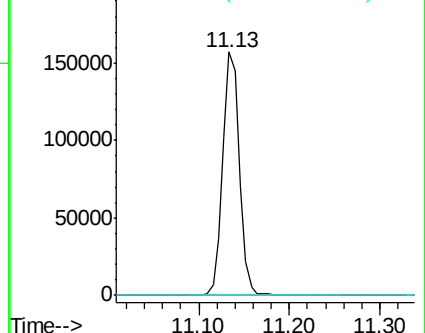
89 0.0 38.0 57.0#



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



#90

Hexachloroethane

Concen: 3.327 ug/l

RT: 12.71 min Scan# 1895

Delta R.T. 0.11 min

Lab File: VX006890.D

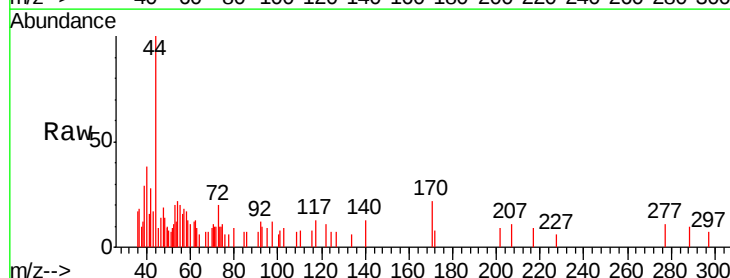
Acq: 03 Jan 2019 13:12

Tgt Ion: 117 Resp: 157

Ion Ratio Lower Upper

117 100

201 43.3 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

