

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003929.D
 Acq On : 08 Aug 2018 17:44
 Operator : JC/MD
 Sample : J4385-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180807

Quant Time: Aug 09 03:15:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	313474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	495121	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	478949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231521	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	220568	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	5.51	113	189083	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	8.72	98	705975	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.14	95	247942	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	

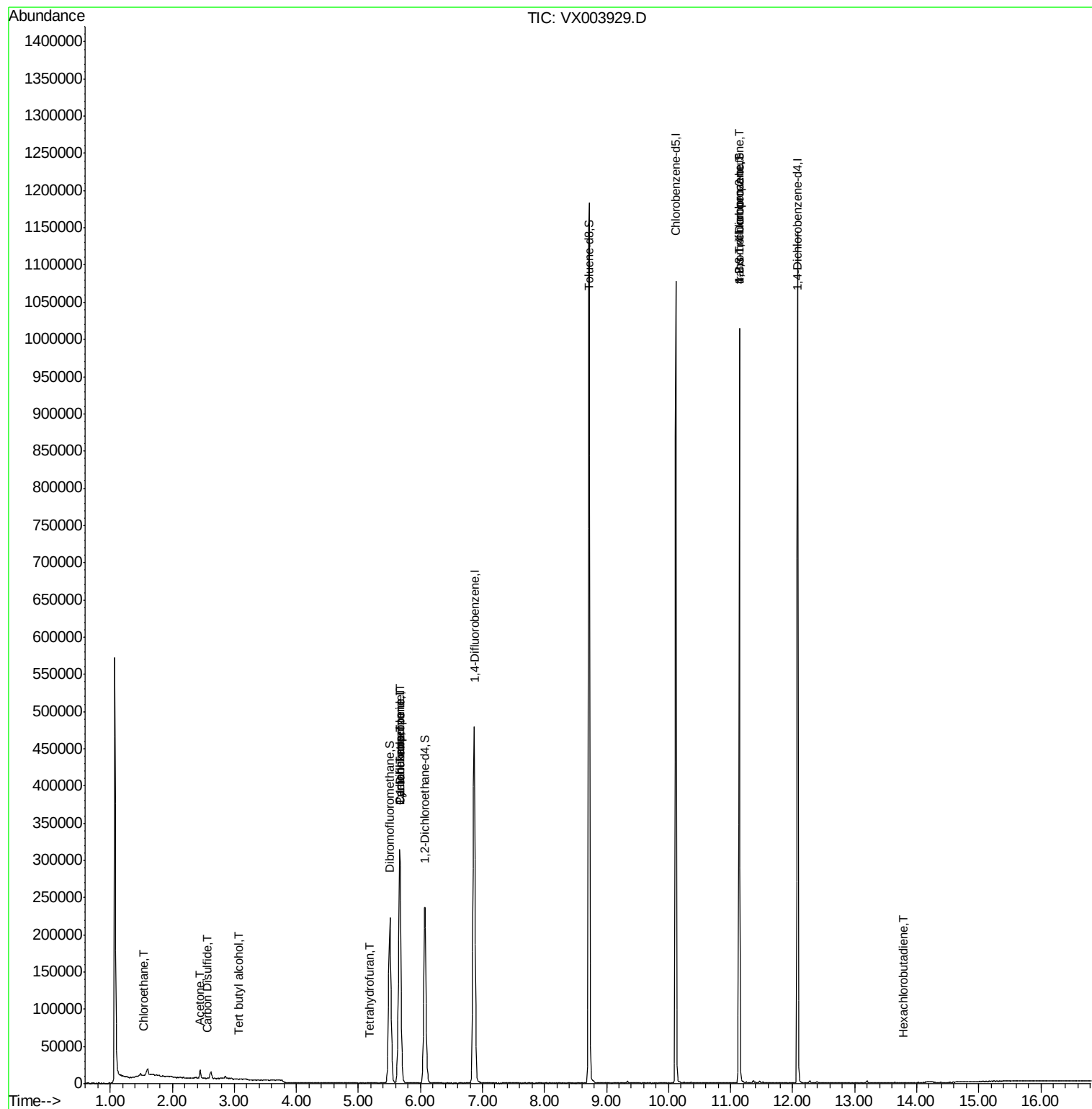
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	323	Below Cal		86
6) Chloroethane	1.53	64	6082	2.21 ug/l #		49
11) Tert butyl alcohol	3.07	59	289	0.29 ug/l #		68
13) Acrolein	2.28	56	147	Below Cal		87
16) Acetone	2.45	43	10976	4.44 ug/l		94
17) Carbon Disulfide	2.57	76	1417	0.59 ug/l #		91
20) Methylene Chloride	2.86	84	1412	Below Cal #		84
29) Tetrahydrofuran	5.18	42	629	0.33 ug/l #		84
31) Cyclohexane	5.66	56	5802	0.97 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	21484	3.87 ug/l #		49
38) Carbon Tetrachloride	5.67	117	28050	5.31 ug/l #		15
76) 1,2,3-Trichloropropane	11.14	75	119276	23.32 ug/l #		36
81) trans-1,4-Dichloro-2-buten	11.14	75	119276	62.85 ug/l #		9
88) 1,4-Dichlorobenzene	12.02	146	246	Below Cal		84
94) Hexachlorobutadiene	13.78	225	107	0.47 ug/l #		23

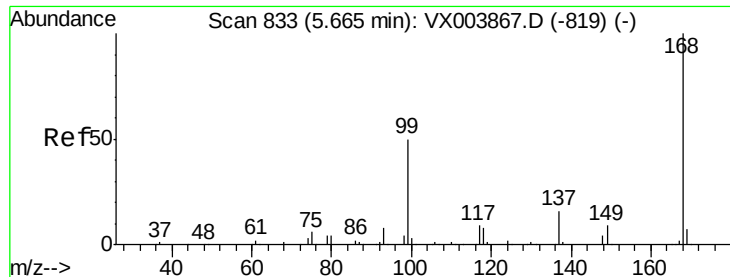
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003929.D

Acq: 08 Aug 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

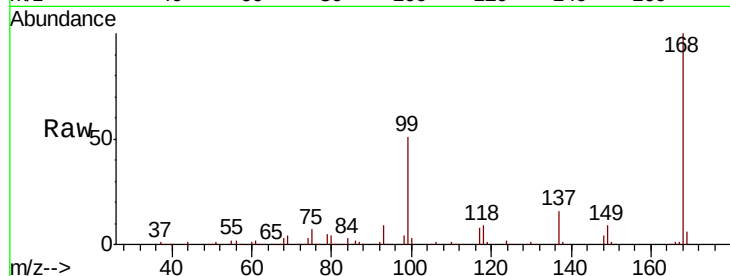
TB-01-180807

Tot Ion:168 Resp: 313474

Ion Ratio Lower Upper

168 100

99 50.8 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

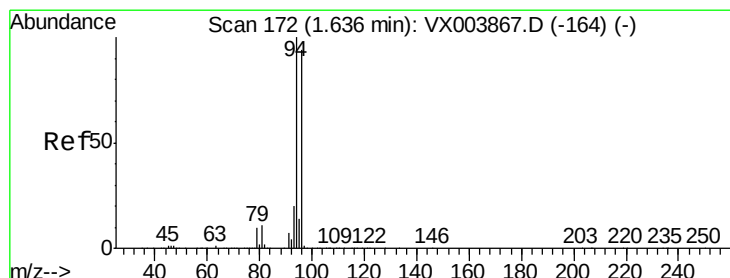
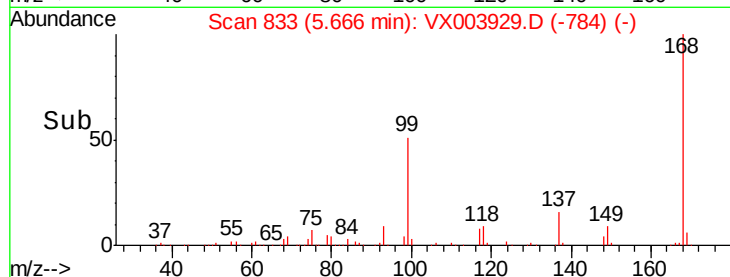
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003929.D

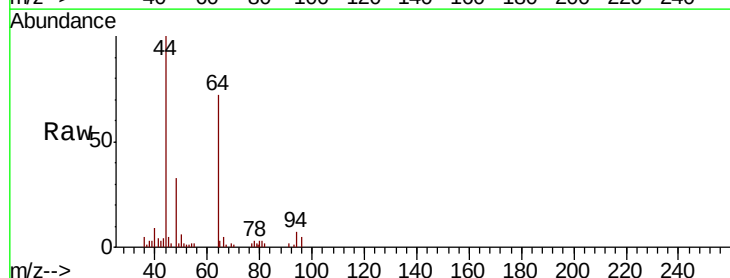
Acq: 08 Aug 2018 17:44

Tgt Ion: 94 Resp: 323

Ion Ratio Lower Upper

94 100

96 107.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

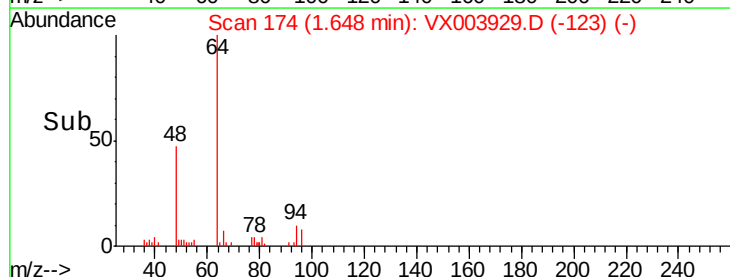
300

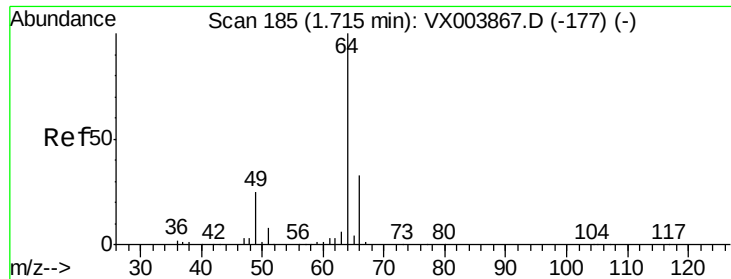
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 2.21 ug/l

RT: 1.53 min Scan# 154

Delta R.T. -0.19 min

Lab File: VX003929.D

Acq: 08 Aug 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

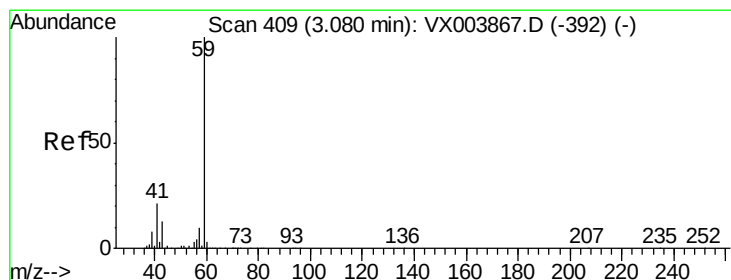
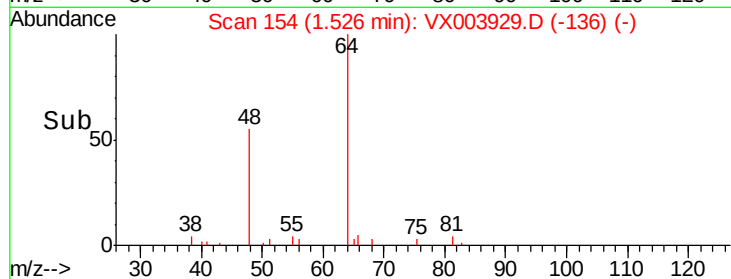
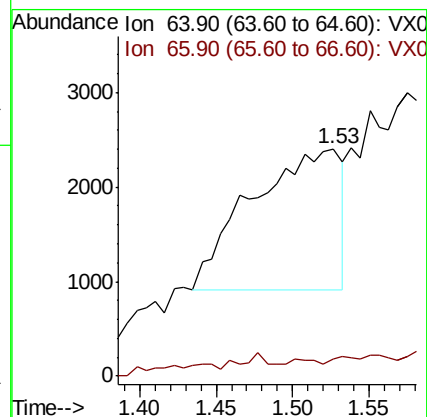
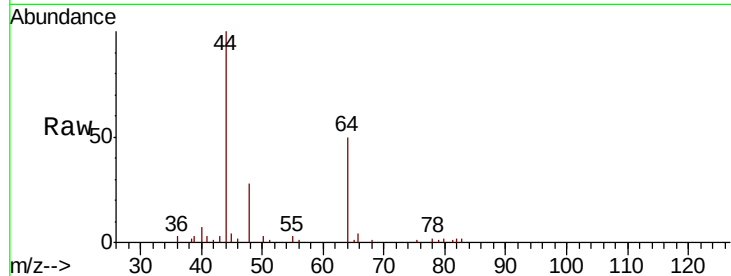
TB-01-180807

Tot Ion: 64 Resp: 6082

Ion Ratio Lower Upper

64 100

66 4.0 26.5 39.7#



#11

Tert butyl alcohol

Concen: 0.29 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX003929.D

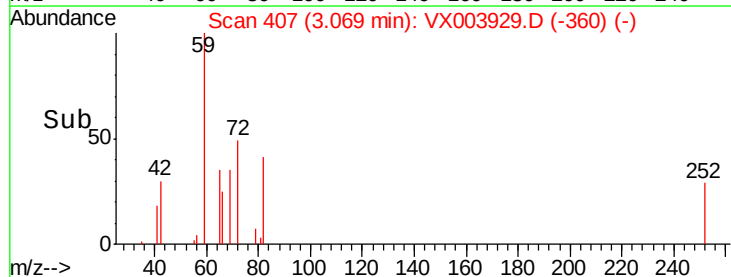
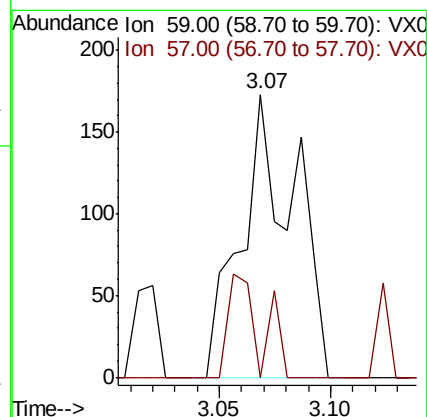
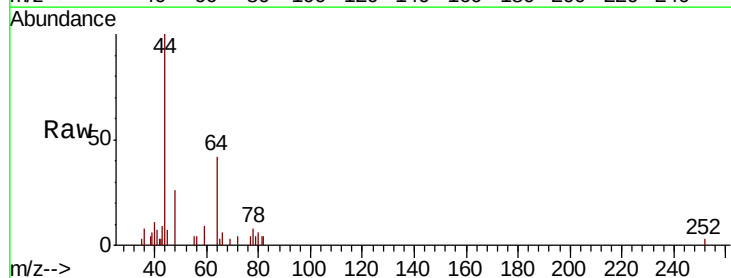
Acq: 08 Aug 2018 17:44

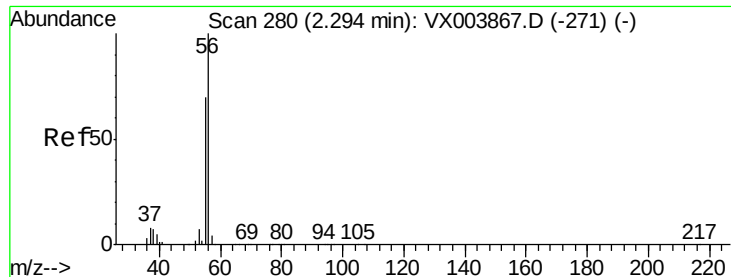
Tgt Ion: 59 Resp: 289

Ion Ratio Lower Upper

59 100

57 22.1 8.1 12.1#





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX003929.D

Acq: 08 Aug 2018 17:44

Instrument :

MSVOA_X

ClientSampled :

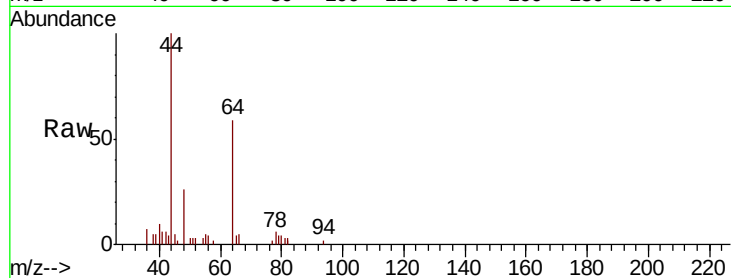
TB-01-180807

Tot Ion: 56 Resp: 147

Ion Ratio Lower Upper

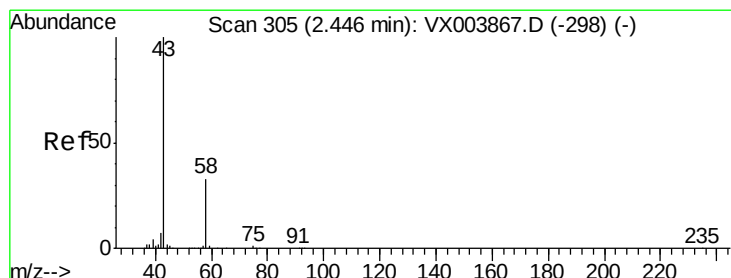
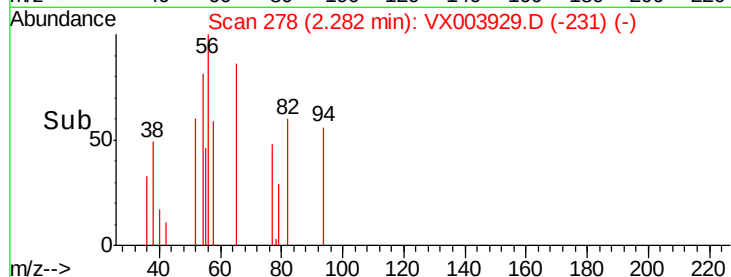
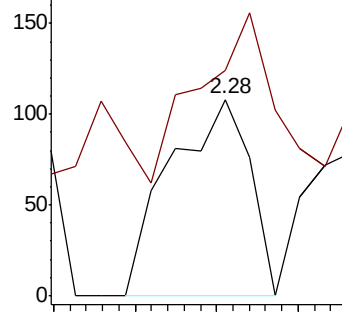
56 100

55 81.0 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.44 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003929.D

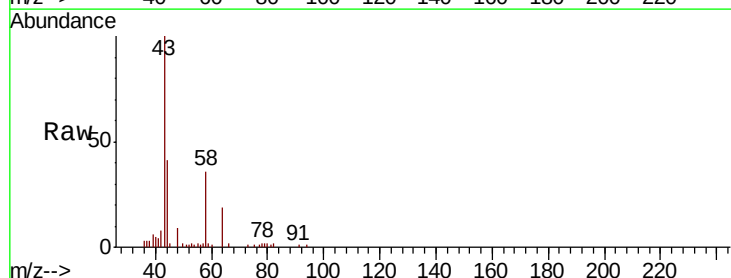
Acq: 08 Aug 2018 17:44

Tgt Ion: 43 Resp: 10976

Ion Ratio Lower Upper

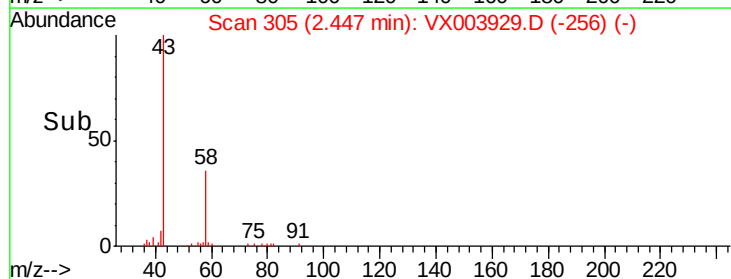
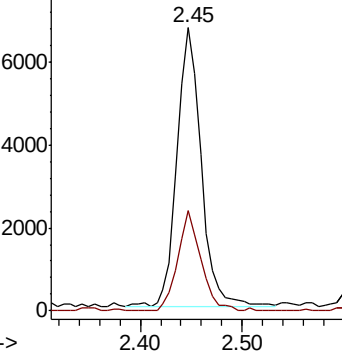
43 100

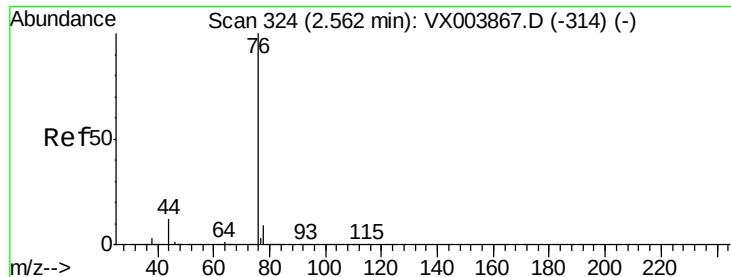
58 36.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.59 ua/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003929.D

Acq: 08 Aug 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

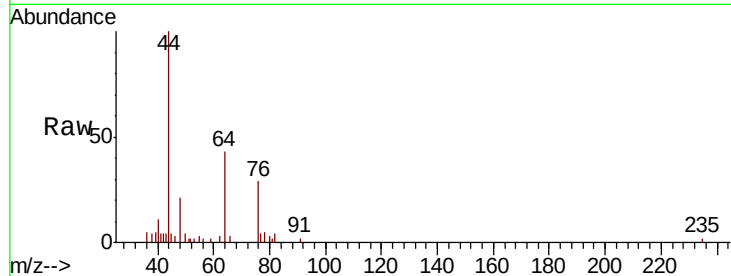
TB-01-180807

Tot Ion: 76 Resp: 1417

Ion Ratio Lower Upper

76 100

78 6.2 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

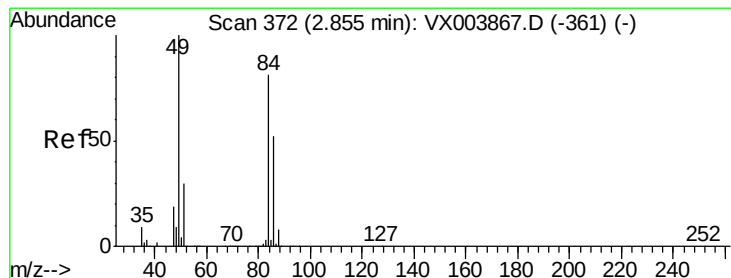
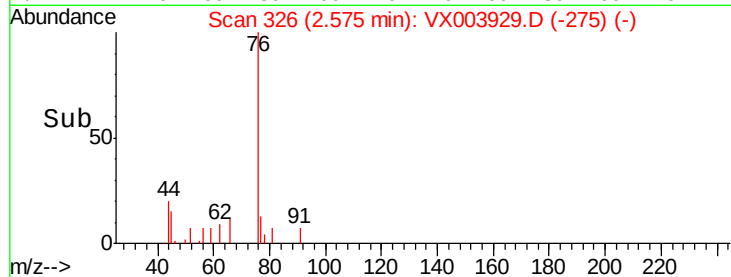
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003929.D

Acq: 08 Aug 2018 17:44

Tgt Ion: 84 Resp: 1412

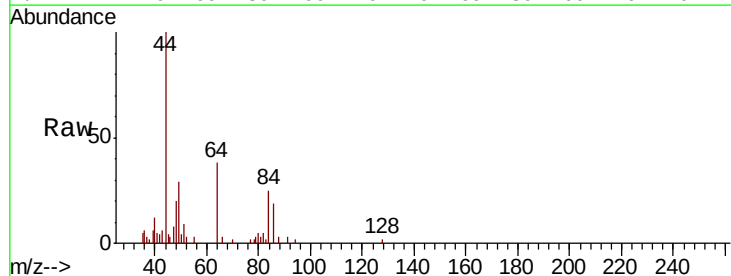
Ion Ratio Lower Upper

84 100

49 106.4 98.9 148.3

51 26.9 29.9 44.9#

86 75.5 51.0 76.6



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

1200

1000

800

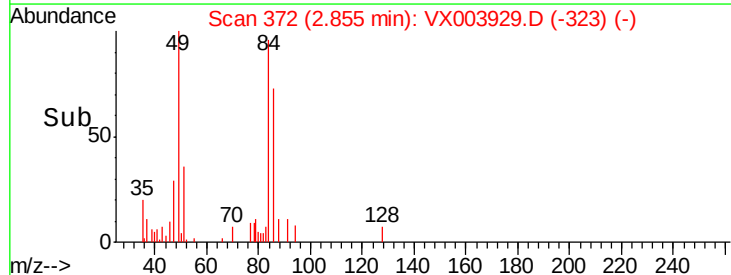
600

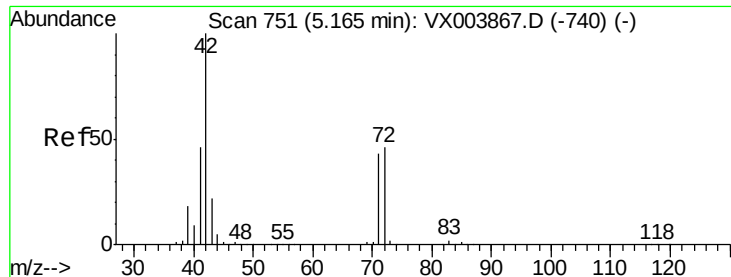
400

200

0

Time-->

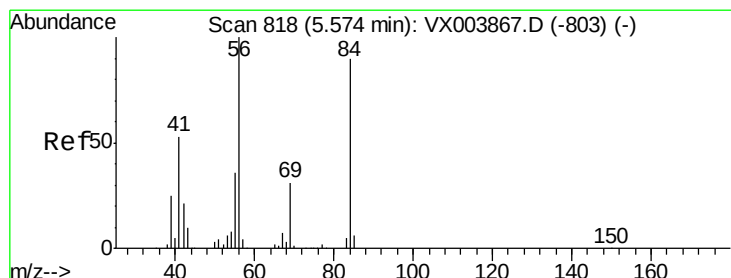
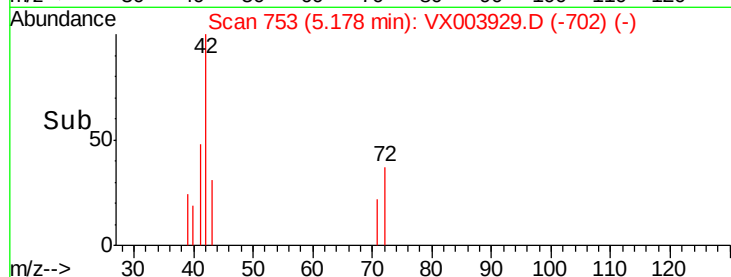
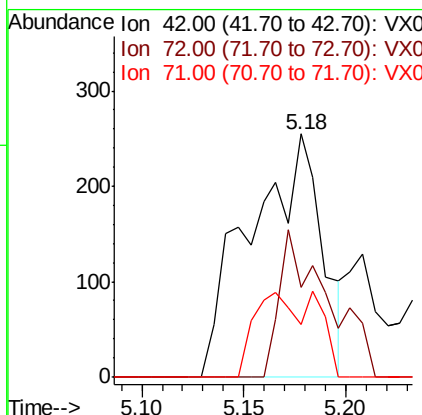
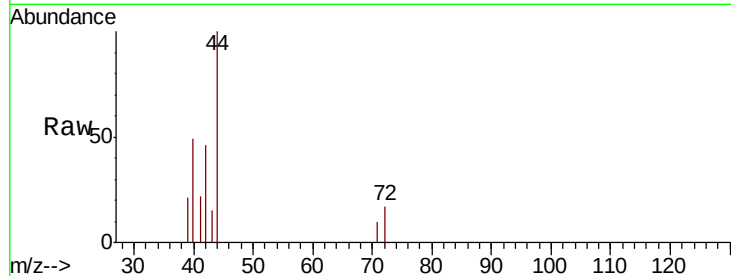




#29
Tetrahydrofuran
Concen: 0.33 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

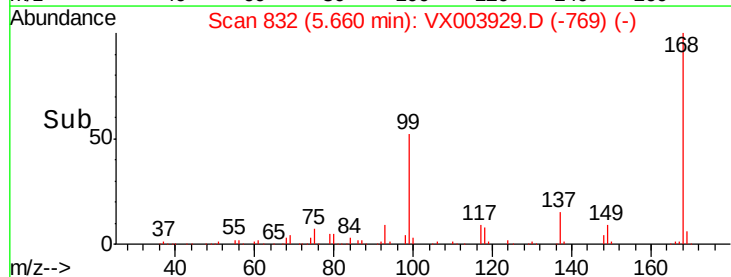
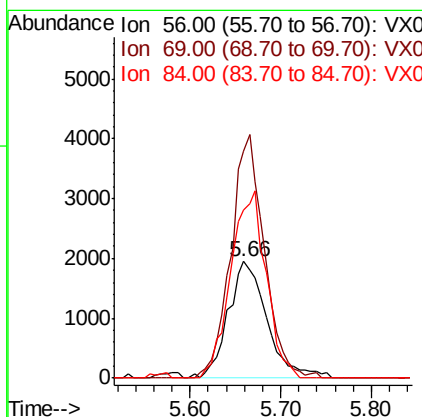
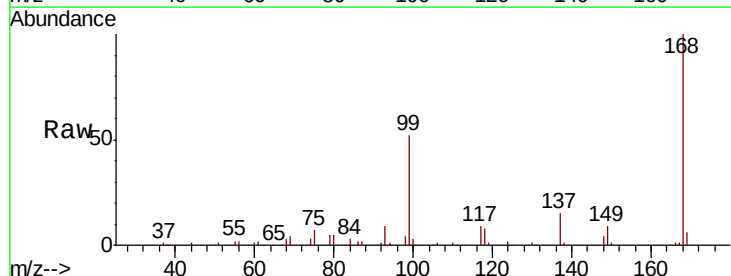
Instrument :
MSVOA_X
ClientSampleId :
TB-01-180807

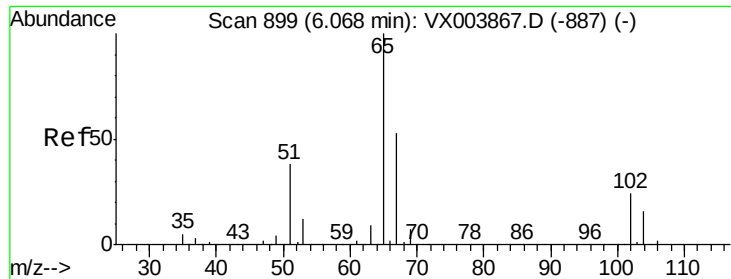
Tot Ion: 42 Resp: 629
Ion Ratio Lower Upper
42 100
72 40.4 37.7 56.5
71 29.6 35.0 52.6#



#31
Cyclohexane
Concen: 0.97 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

Tgt Ion: 56 Resp: 5802
Ion Ratio Lower Upper
56 100
69 194.1 24.9 37.3#
84 144.0 71.7 107.5#

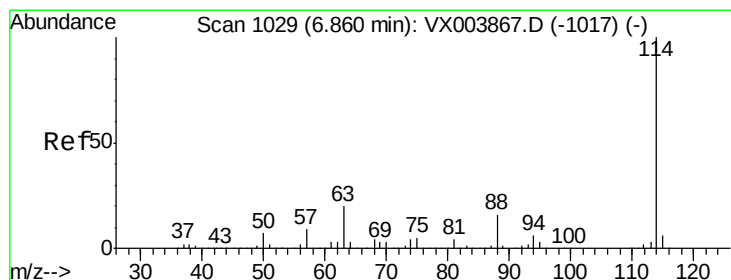
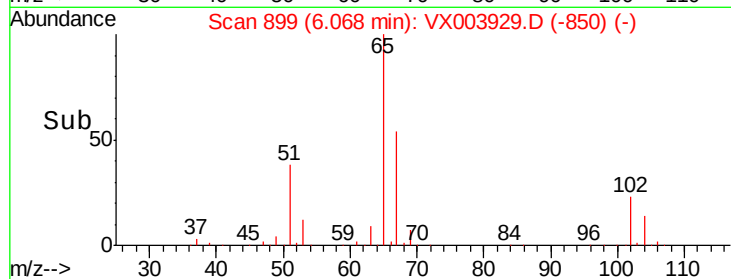
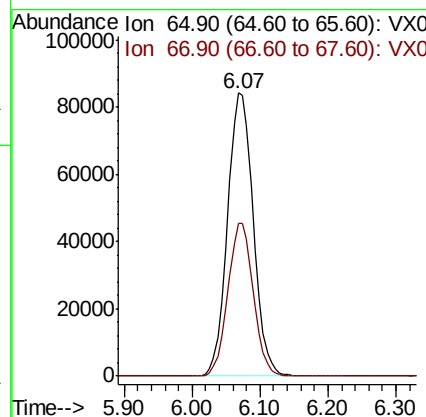
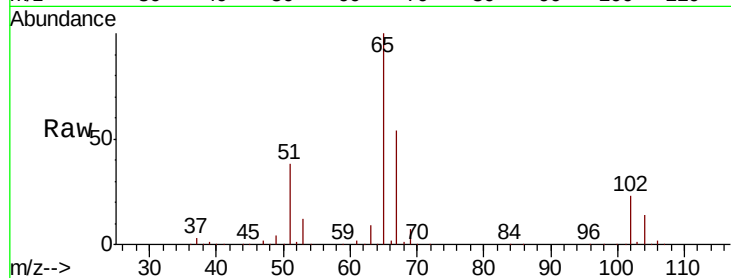




#33
 1,2-Dichloroethane-d4
 Concen: 53.08 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003929.D
 Acq: 08 Aug 2018 17:44

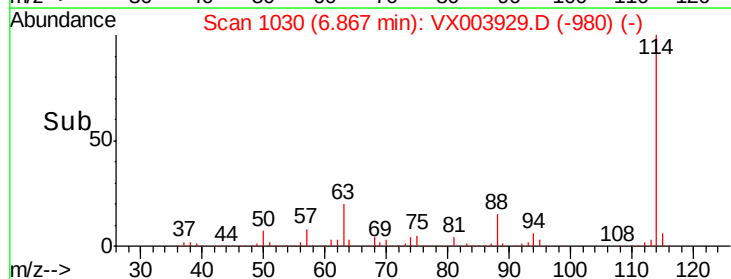
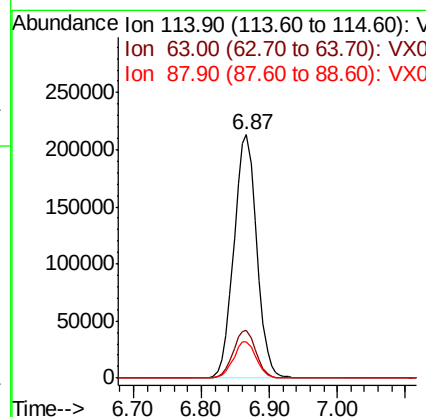
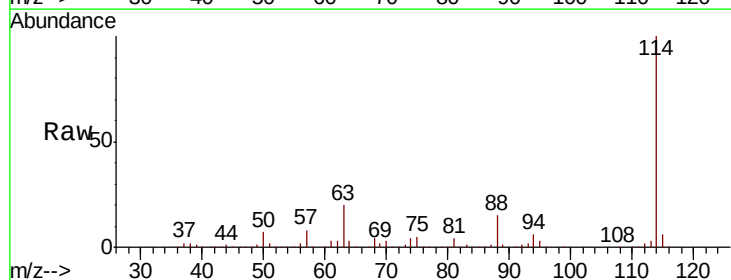
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-180807

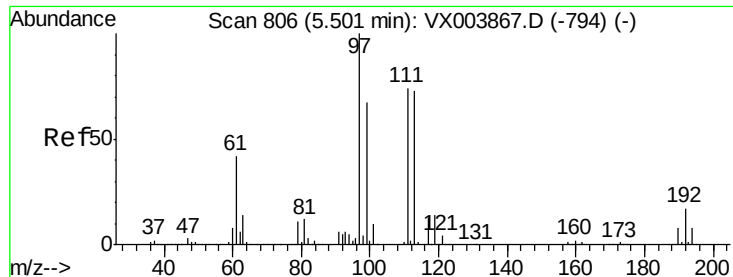
Tot Ion: 65 Resp: 220568
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003929.D
 Acq: 08 Aug 2018 17:44

Tgt Ion: 114 Resp: 495121
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.1 0.0 32.0

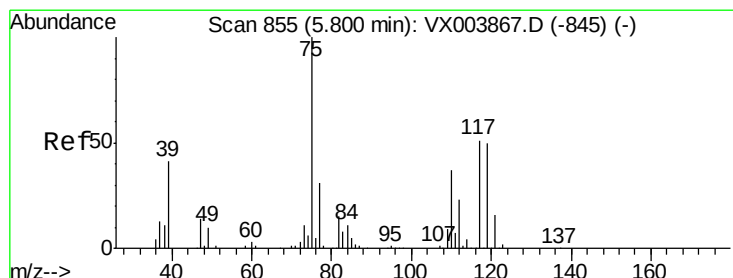
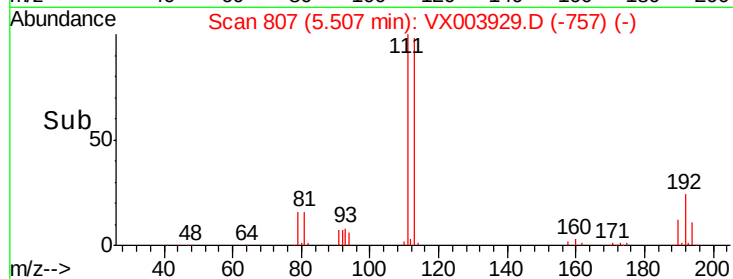
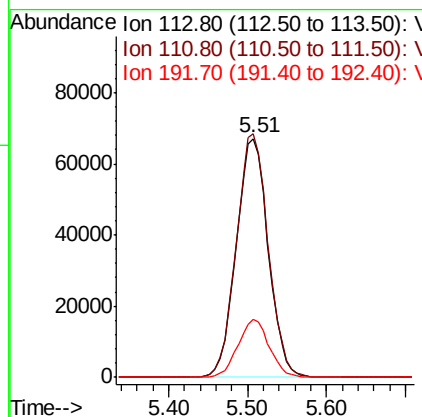
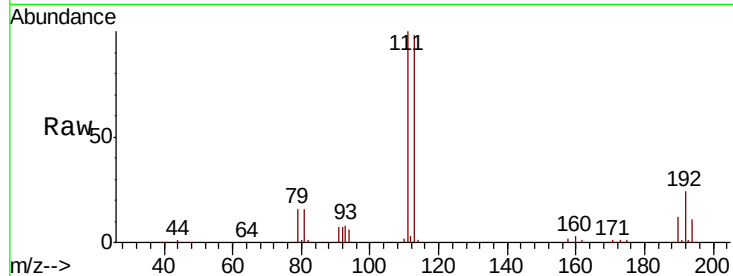




#35
 Dibromofluoromethane
 Concen: 50.41 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003929.D
 Acq: 08 Aug 2018 17:44

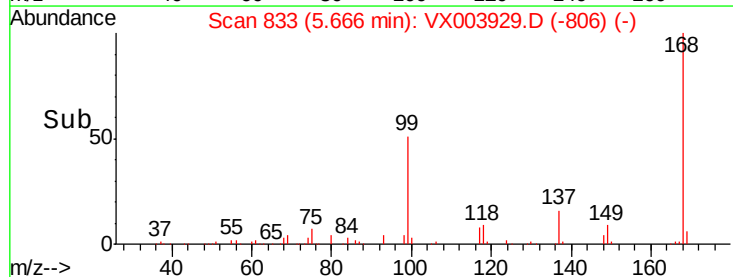
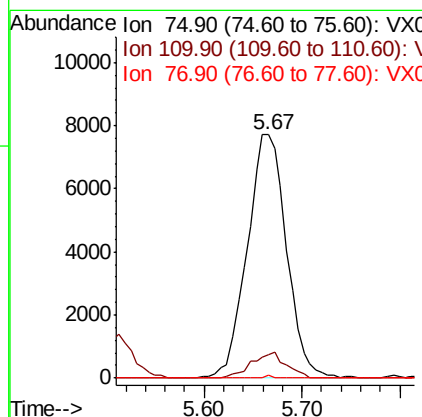
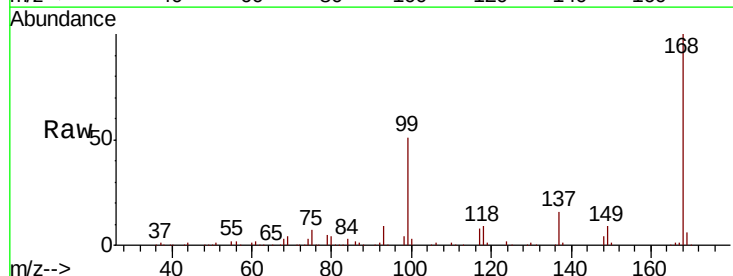
Instrument :
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 ClientSampleId :
 TB-01-180807

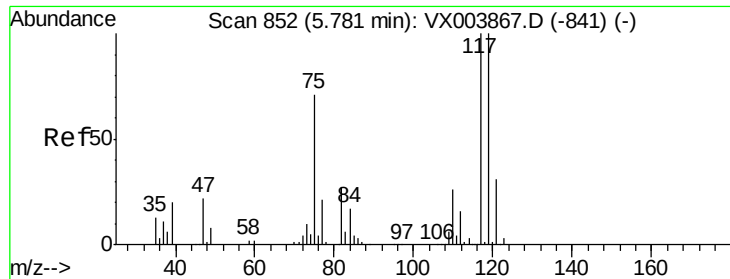
Tot Ion:113 Resp: 189083
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 23.8 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.87 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003929.D
 Acq: 08 Aug 2018 17:44

Tgt Ion: 75 Resp: 21484
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.2 54.6#
 77 0.1 25.0 37.4#

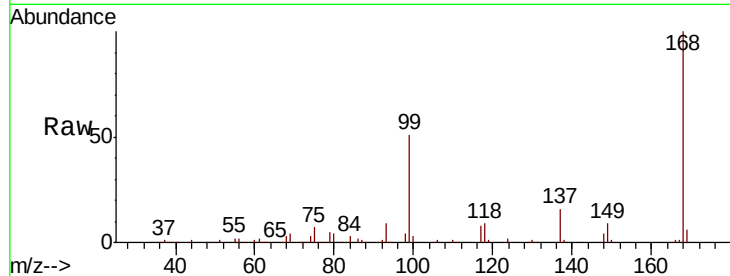




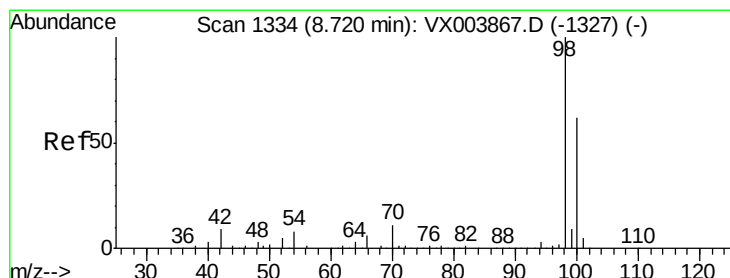
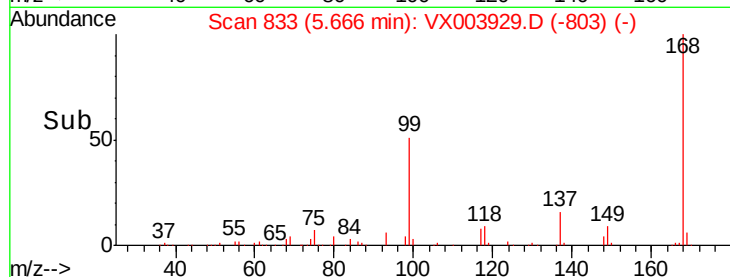
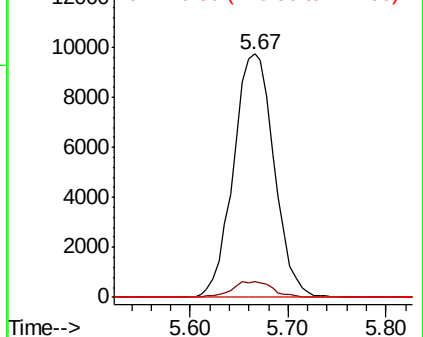
#38
Carbon Tetrachloride
Concen: 5.31 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

Instrument :
MSVOA_X
ClientSampleId :
TB-01-180807

Tot Ion:117 Resp: 28050
Ion Ratio Lower Upper
117 100
119 6.5 79.5 119.3#
121 0.0 25.0 37.4#

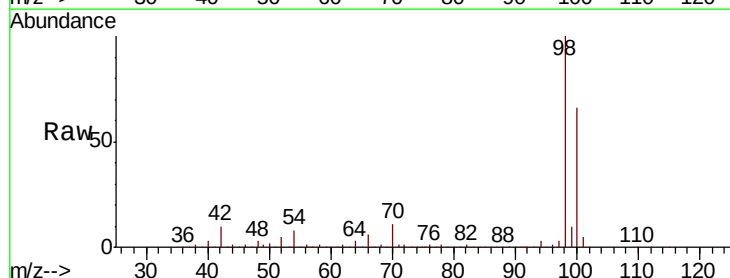


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

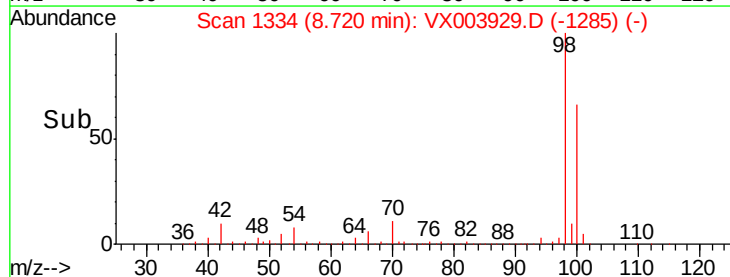
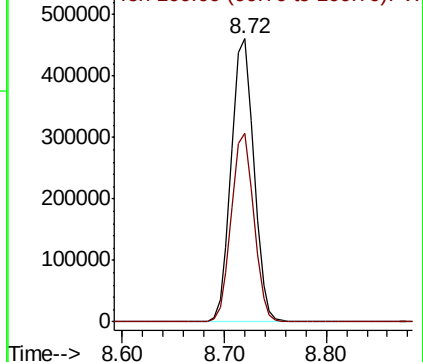


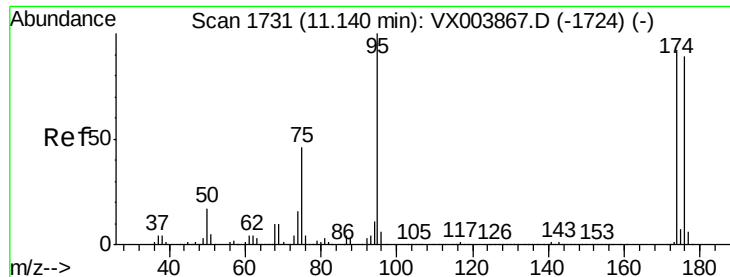
#50
Toluene-d8
Concen: 48.40 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

Tgt Ion: 98 Resp: 705975
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



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

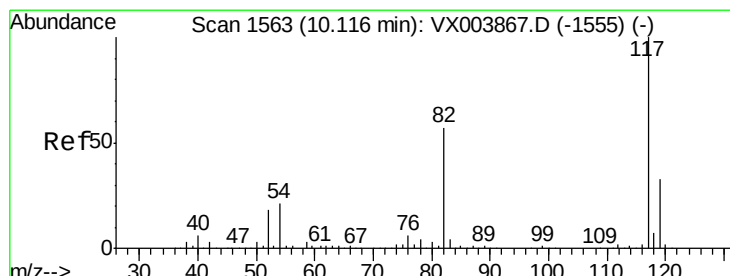
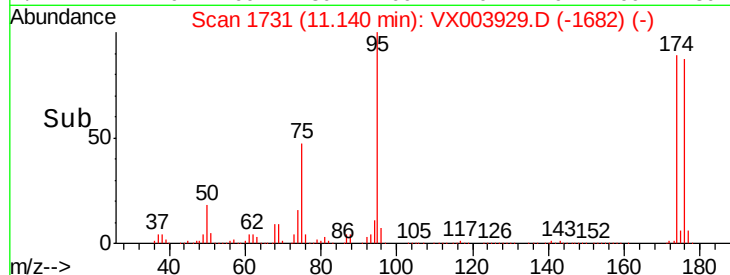
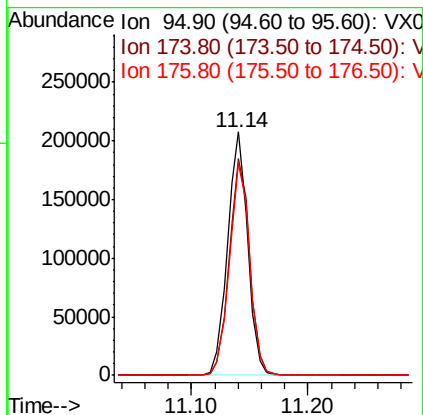
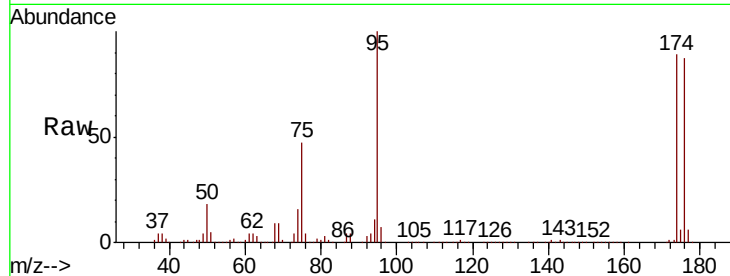




#62
4-Bromofluorobenzene
Concen: 52.53 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

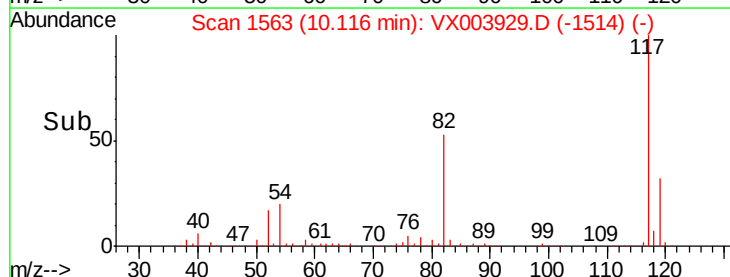
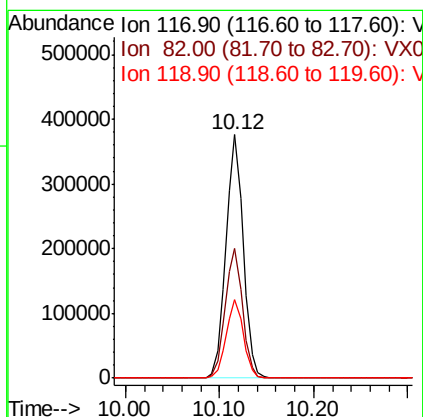
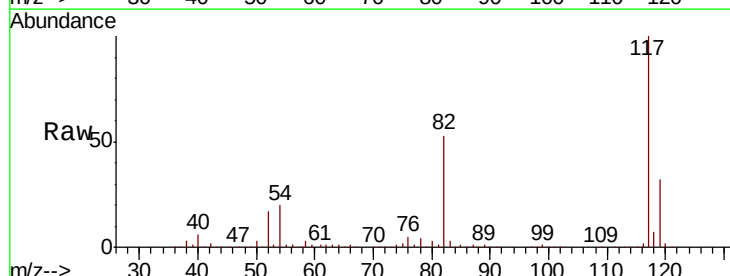
Instrument :
MSVOA_X
ClientSampled :
TB-01-180807

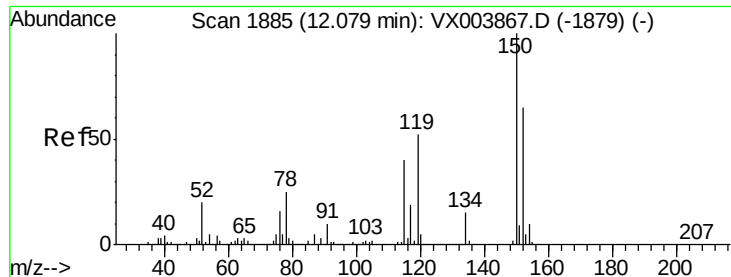
Tot Ion: 95 Resp: 247942
Ion Ratio Lower Upper
95 100
174 90.8 0.0 182.8
176 88.2 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

Tgt Ion: 117 Resp: 478949
Ion Ratio Lower Upper
117 100
82 53.5 45.4 68.0
119 32.2 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003929.D

Acq: 08 Aug 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180807

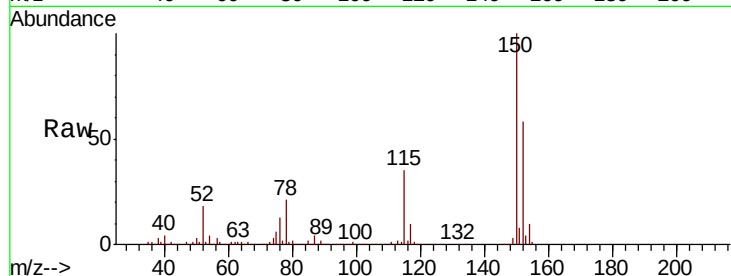
Tot Ion:152 Resp: 231521

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.3

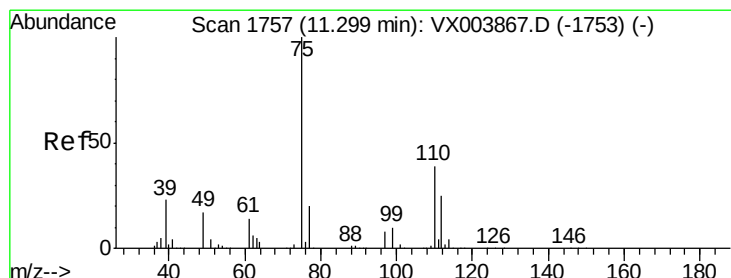
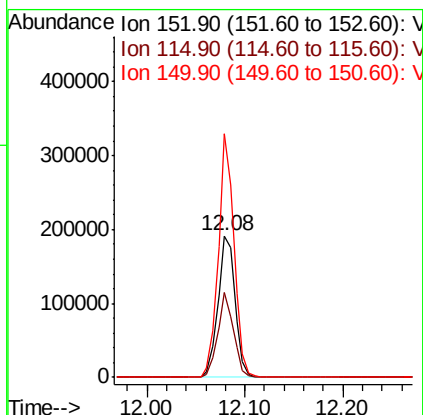
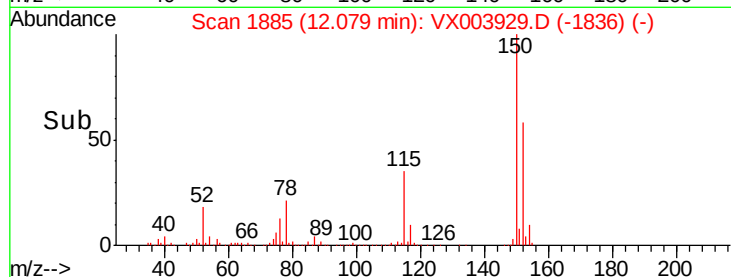
150 158.0 0.0 349.2



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: 23.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003929.D

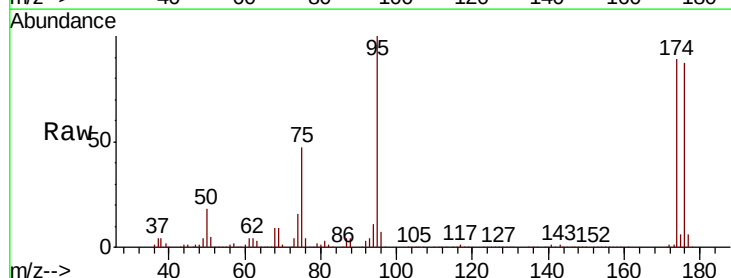
Acq: 08 Aug 2018 17:44

Tgt Ion: 75 Resp: 119276

Ion Ratio Lower Upper

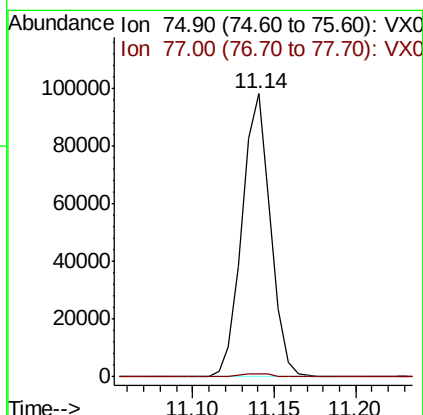
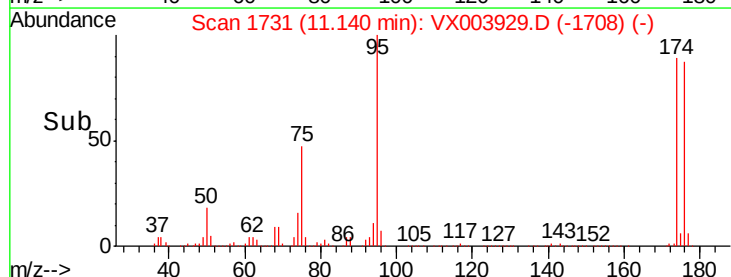
75 100

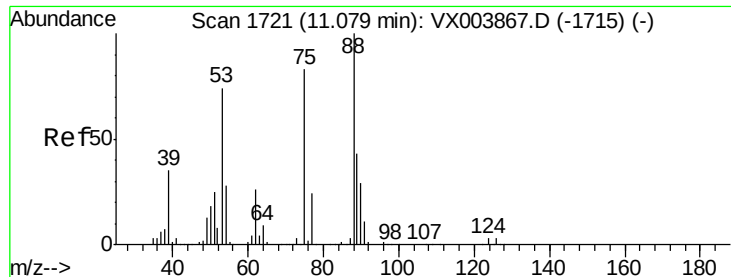
77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

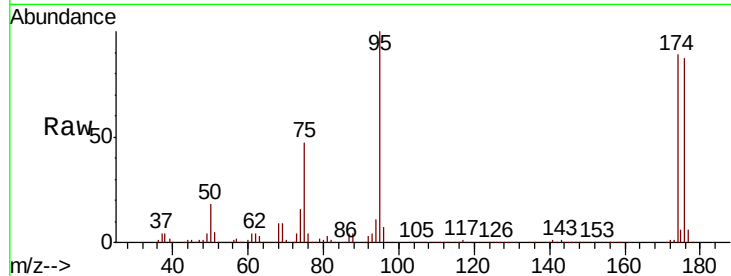




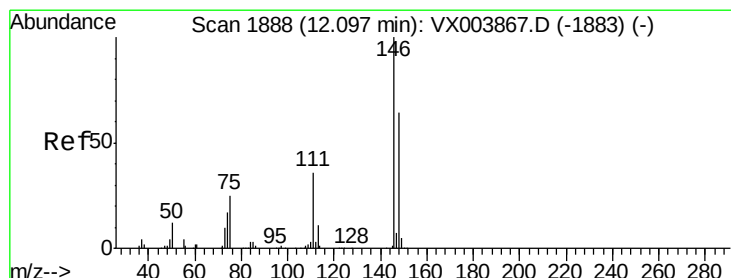
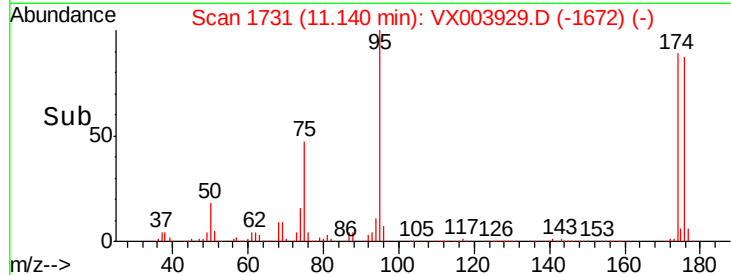
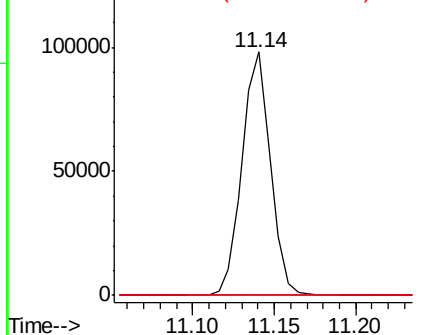
#81
trans-1,4-Dichloro-2-butene
Concen: 62.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

Instrument :
MSVOA_X
ClientSampled :
TB-01-180807

Tot Ion: 75 Resp: 119276
Ion Ratio Lower Upper
75 100
53 0.1 80.3 120.5#
89 0.0 37.8 56.8#

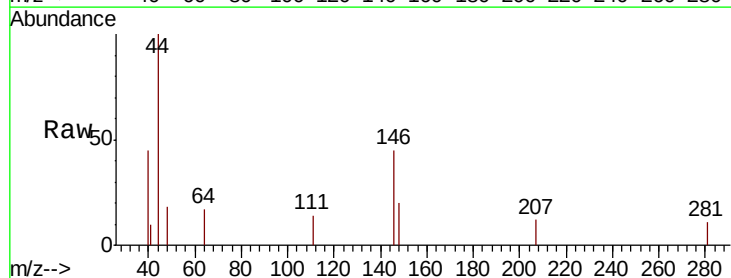


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

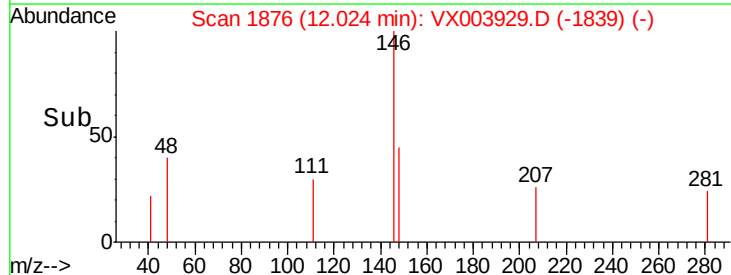
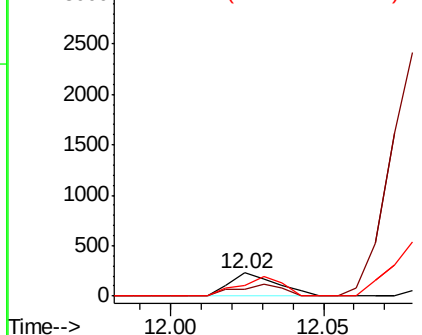


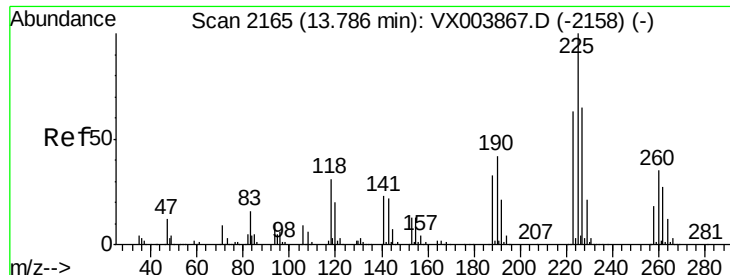
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.02 min Scan# 1876
Delta R.T. -0.07 min
Lab File: VX003929.D
Acq: 08 Aug 2018 17:44

Tgt Ion: 146 Resp: 246
Ion Ratio Lower Upper
146 100
111 49.2 18.4 55.0
148 74.8 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#94

Hexachlorobutadiene

Concen: 0.47 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VX003929.D

Acq: 08 Aug 2018 17:44

Instrument :

MSVOA_X

ClientSampleId :

TB-01-180807

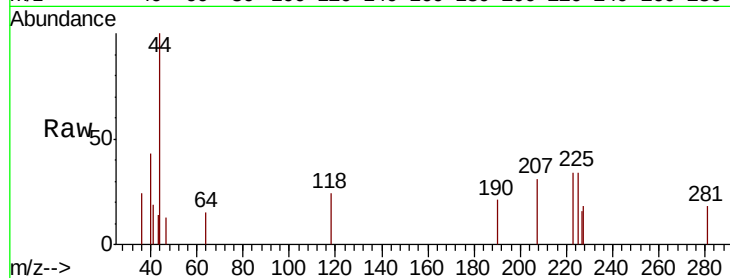
Tot Ion:225 Resp: 107

Ion Ratio Lower Upper

225 100

223 148.6 31.4 94.0#

227 98.1 32.1 96.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

