

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003984.D
 Acq On : 10 Aug 2018 18:30
 Operator : JC/MD
 Sample : J4379-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-08082018

Quant Time: Aug 11 01:46:37 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	313722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	478105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	442801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237772	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	218244	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	5.51	113	182705	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.72	98	659137	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
62) 4-Bromofluorobenzene	11.14	95	225929	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	

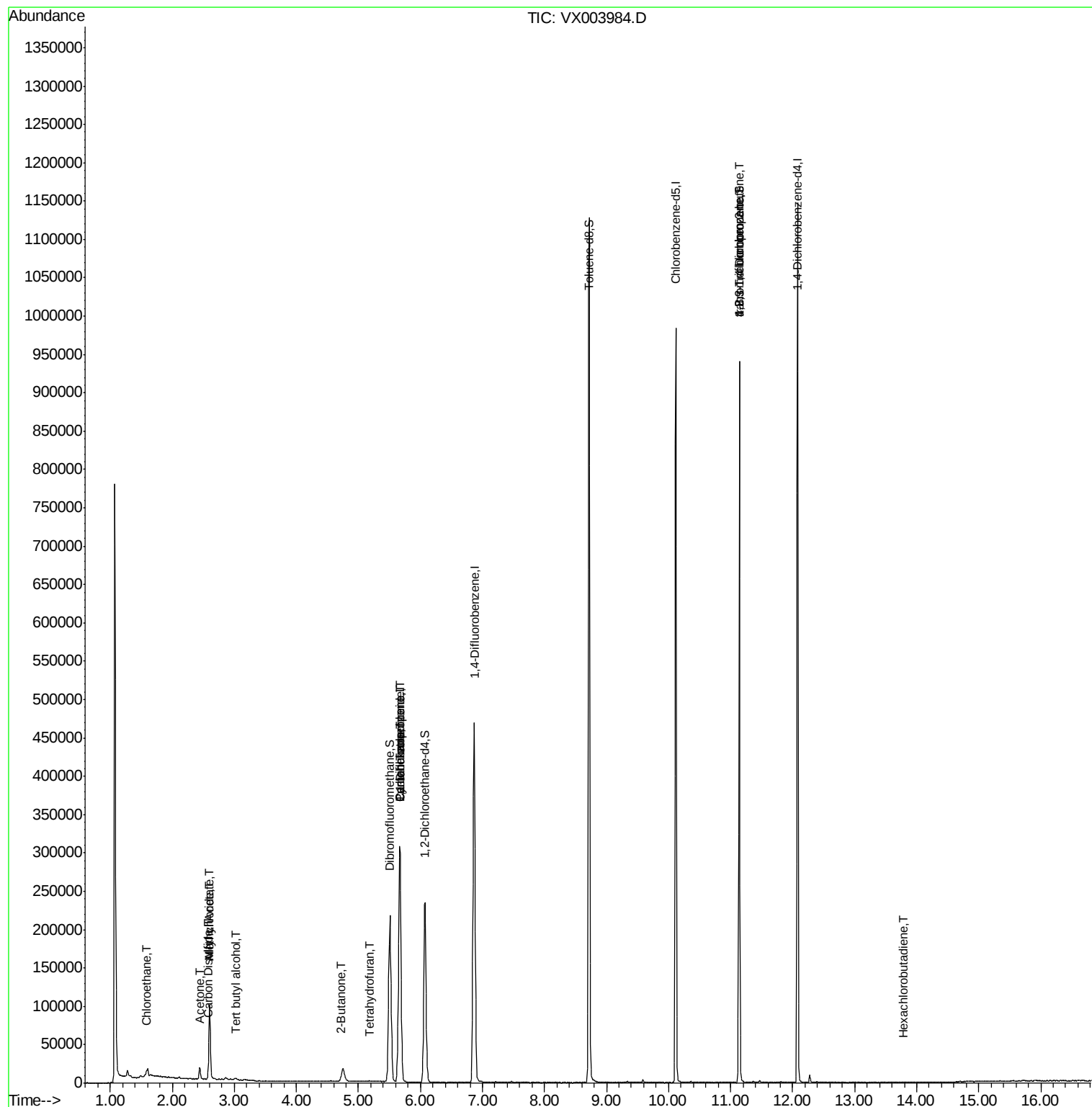
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	787	Below Cal	#	71
6) Chloroethane	1.58	64	16707	6.05	ug/l	47
11) Tert butyl alcohol	3.03	59	1823	1.82	ug/l	82
13) Acrolein	2.29	56	48	Below Cal	#	1
14) Allyl chloride	2.60	41	9701	1.49	ug/l	61
16) Acetone	2.44	43	16123	6.52	ug/l	94
17) Carbon Disulfide	2.57	76	655	0.51	ug/l	92
18) Methyl Acetate	2.60	43	25942	4.82	ug/l	52
20) Methylene Chloride	2.86	84	909	Below Cal	#	89
25) 2-Butanone	4.71	43	1059	0.28	ug/l	92
29) Tetrahydrofuran	5.18	42	995	0.52	ug/l	31
31) Cyclohexane	5.66	56	5603	0.93	ug/l	1
36) 1,1-Dichloropropene	5.67	75	21188	3.96	ug/l	49
38) Carbon Tetrachloride	5.67	117	28093	5.51	ug/l	15
76) 1,2,3-Trichloropropane	11.14	75	107771	20.52	ug/l	36
81) trans-1,4-Dichloro-2-buten	11.14	75	107771	55.57	ug/l	9
88) 1,4-Dichlorobenzene	12.10	146	319	Below Cal	#	1
94) Hexachlorobutadiene	13.77	225	122	0.48	ug/l	44

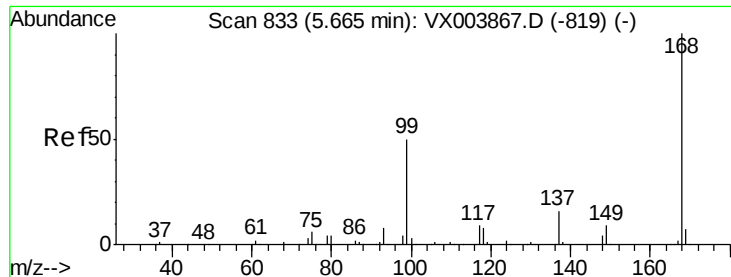
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

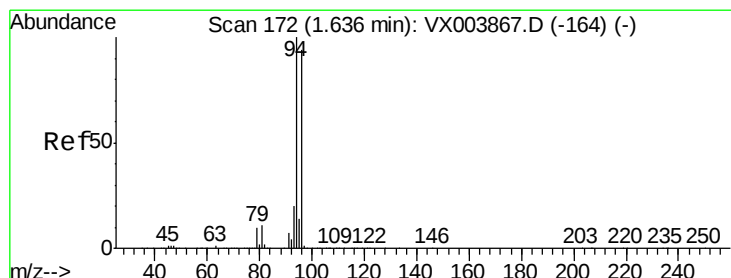
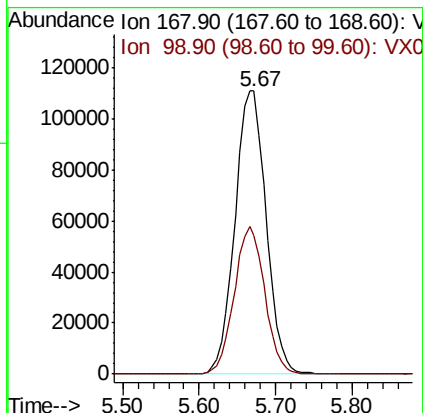
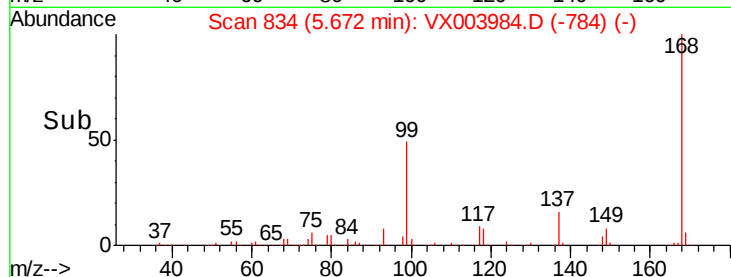
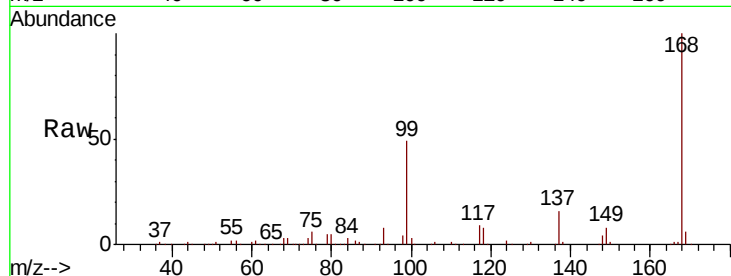
TB-08082018

Tot Ion:168 Resp: 313722

Ion Ratio Lower Upper

168 100

99 49.1 40.1 60.1



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003984.D

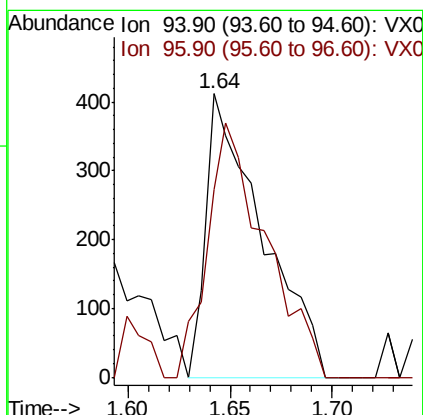
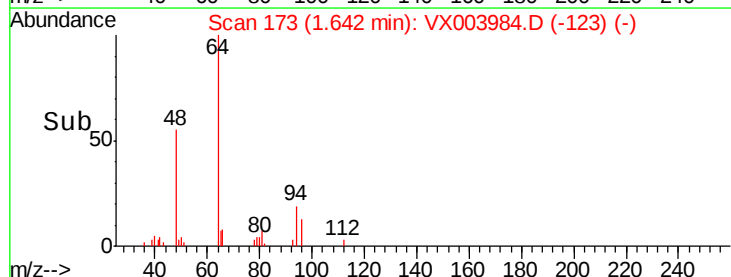
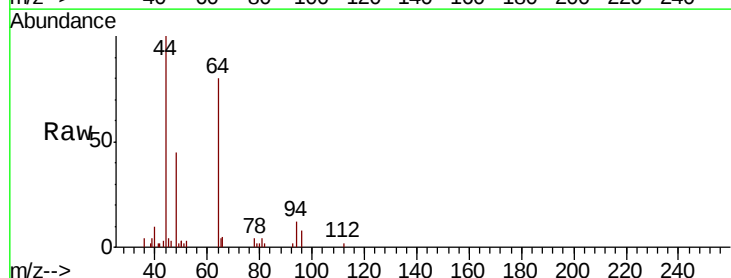
Acq: 10 Aug 2018 18:30

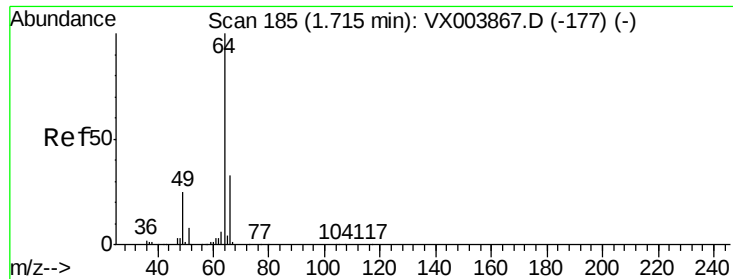
Tgt Ion: 94 Resp: 787

Ion Ratio Lower Upper

94 100

96 66.3 75.2 112.8#





#6

Chloroethane

Concen: 6.05 ug/l

RT: 1.58 min Scan# 163

Delta R.T. -0.13 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

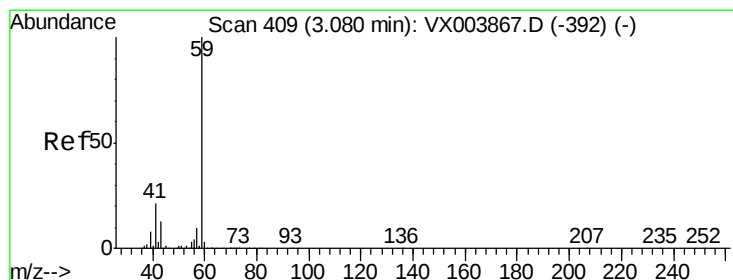
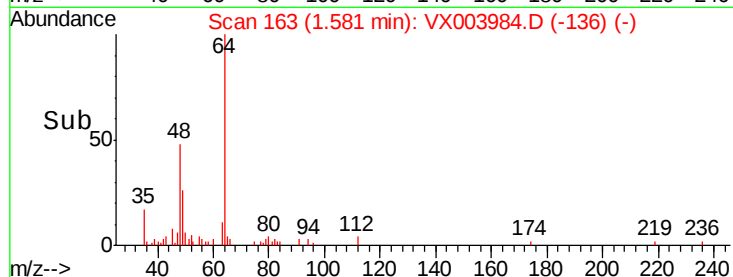
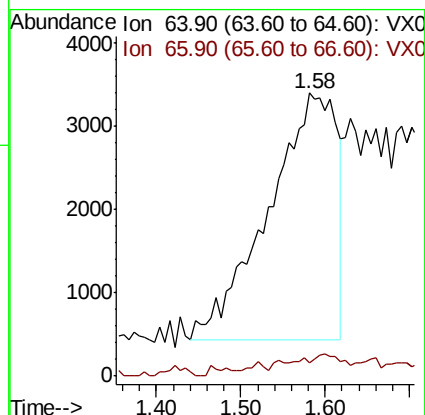
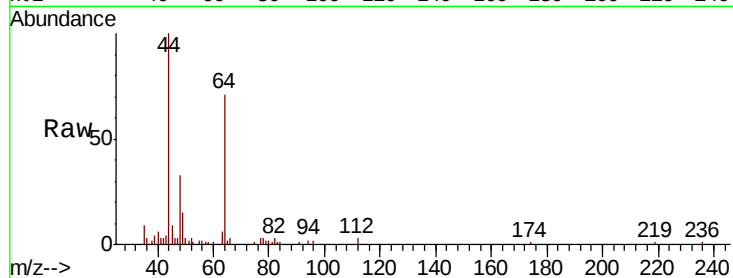
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Tot Ion: 64 Resp: 16707

Ion Ratio Lower Upper

64 100

66 3.2 26.5 39.7#



#11

Tert butyl alcohol

Concen: 1.82 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX003984.D

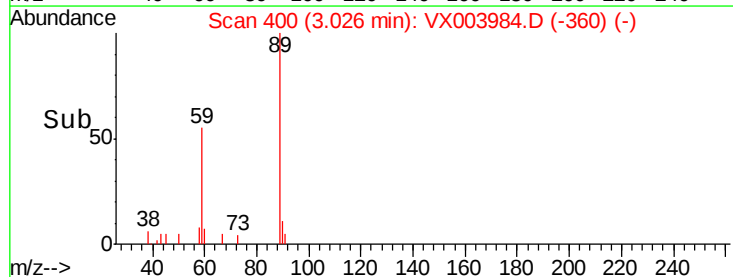
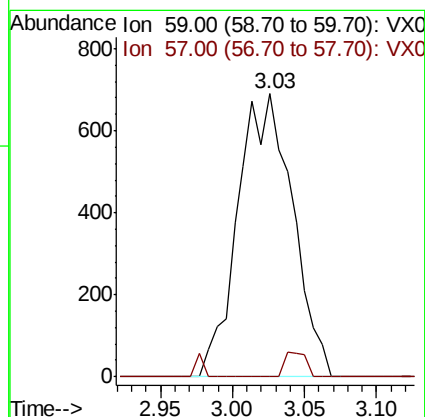
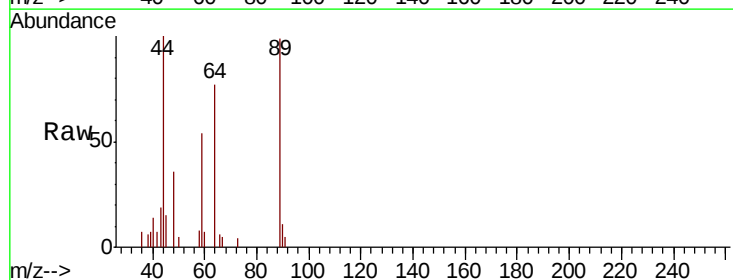
Acq: 10 Aug 2018 18:30

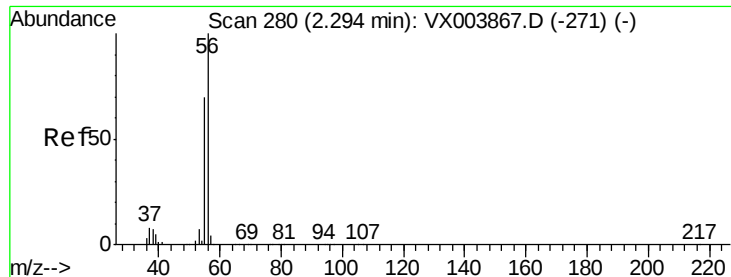
Tgt Ion: 59 Resp: 1823

Ion Ratio Lower Upper

59 100

57 3.4 8.1 12.1#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

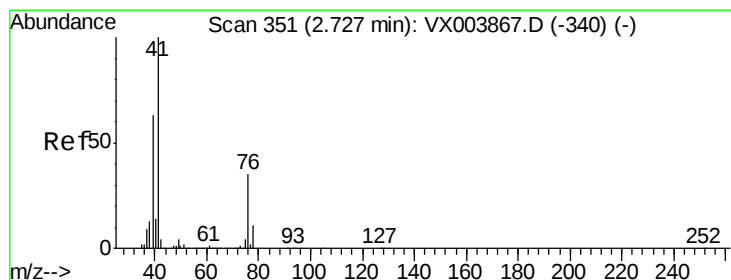
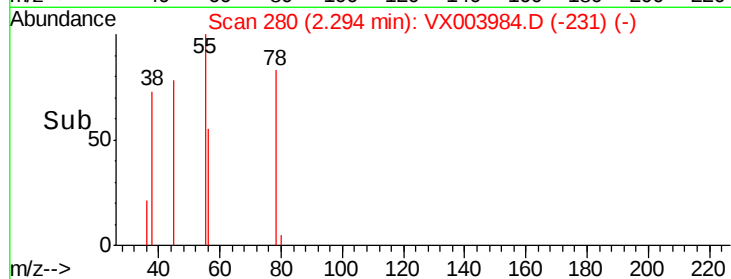
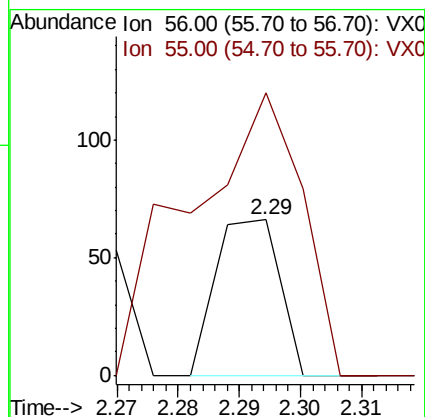
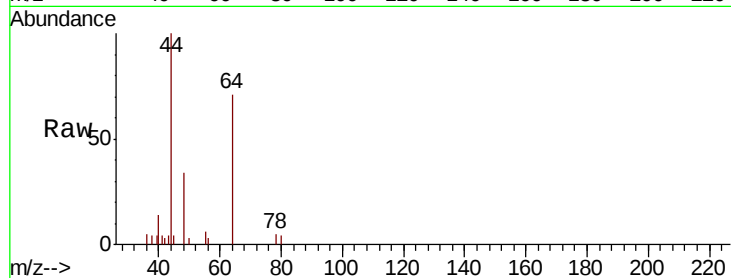
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Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 320.8 56.1 84.1#



#14

Allyl chloride

Concen: 1.49 ug/l

RT: 2.60 min Scan# 330

Delta R.T. -0.13 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

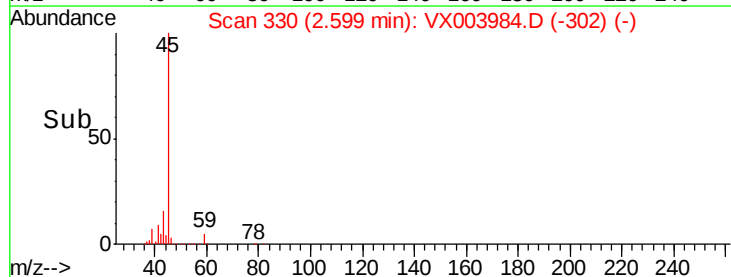
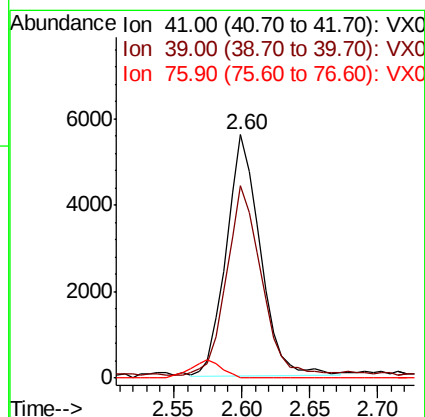
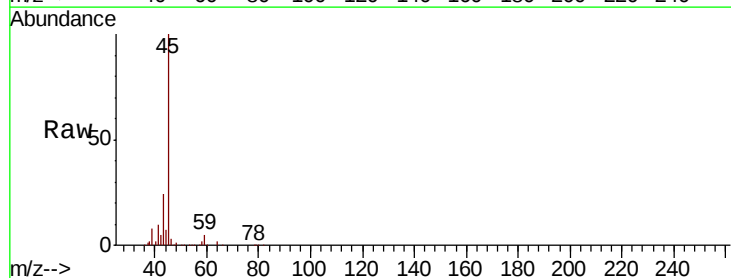
Tgt Ion: 41 Resp: 9701

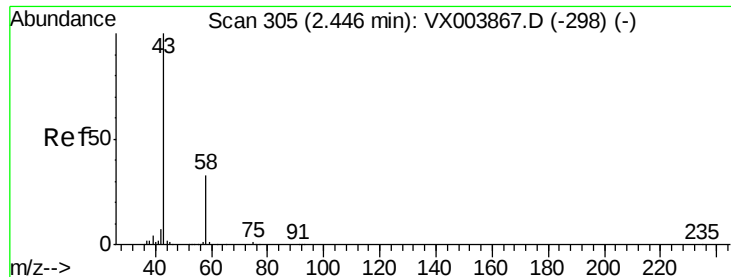
Ion Ratio Lower Upper

41 100

39 80.4 47.4 71.0#

76 0.0 26.0 39.0#





#16

Acetone

Concen: 6.52 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

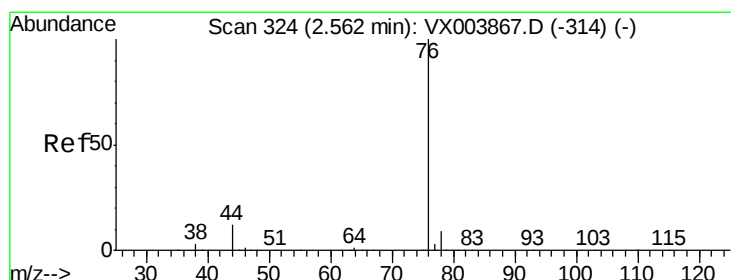
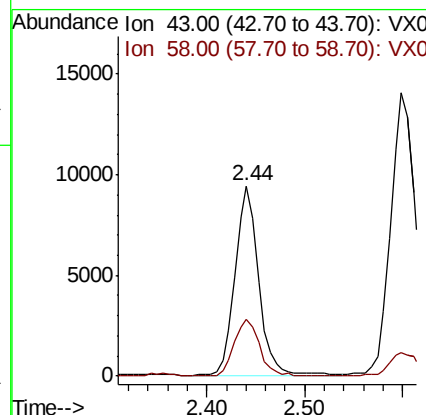
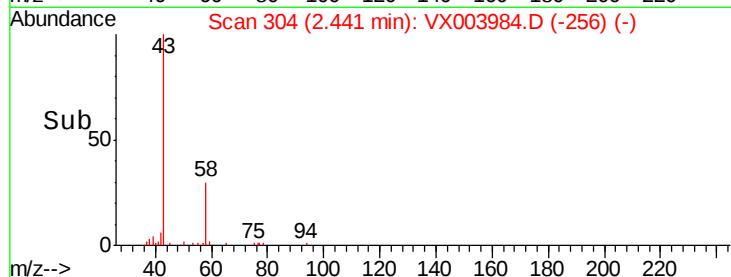
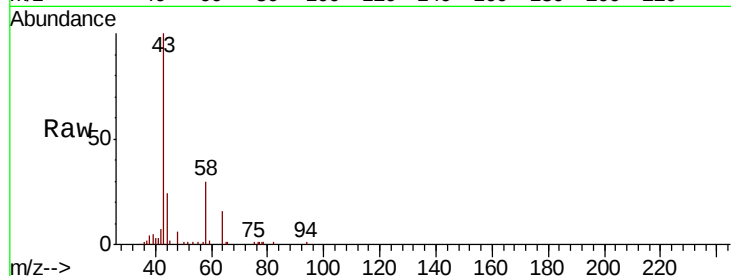
TB-08082018

Tot Ion: 43 Resp: 16123

Ion Ratio Lower Upper

43 100

58 29.8 26.4 39.6



#17

Carbon Disulfide

Concen: 0.51 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003984.D

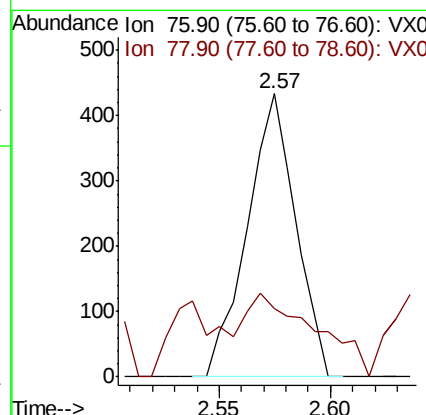
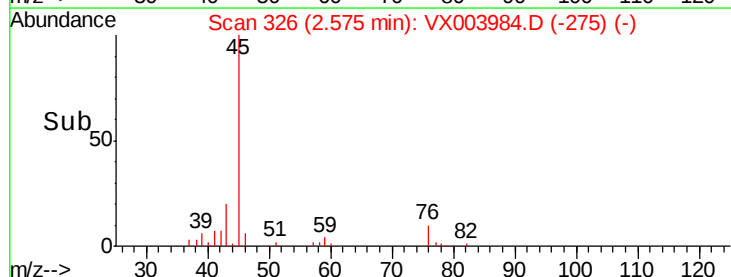
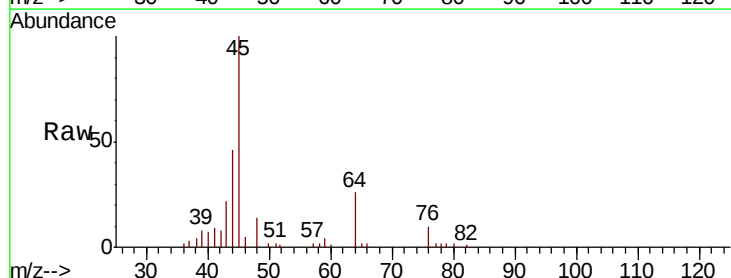
Acq: 10 Aug 2018 18:30

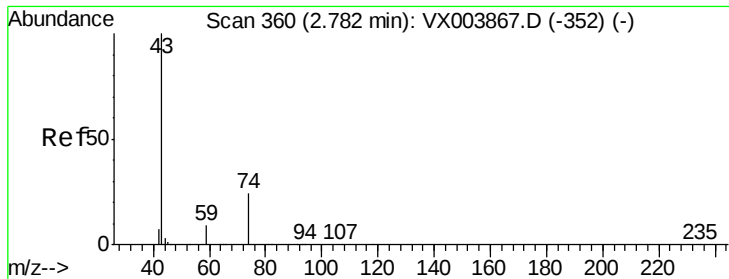
Tgt Ion: 76 Resp: 655

Ion Ratio Lower Upper

76 100

78 12.2 7.5 11.3#

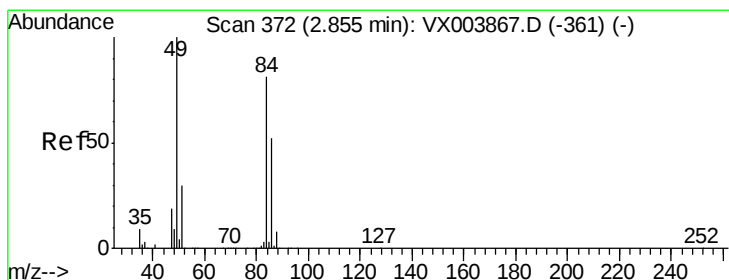
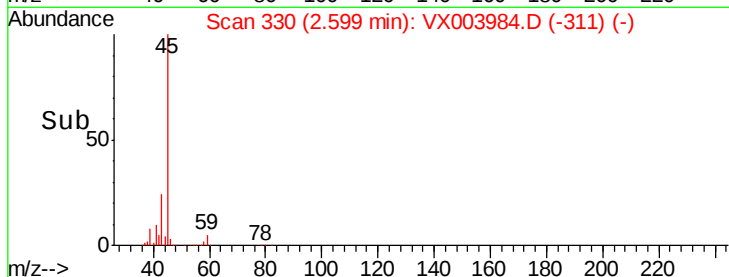
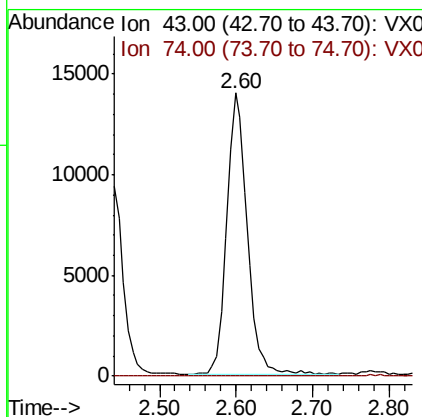
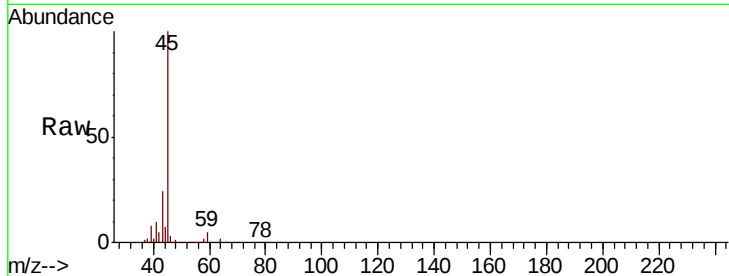




#18
Methyl Acetate
Concen: 4.82 ug/l
RT: 2.60 min Scan# 330
Delta R.T. -0.18 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

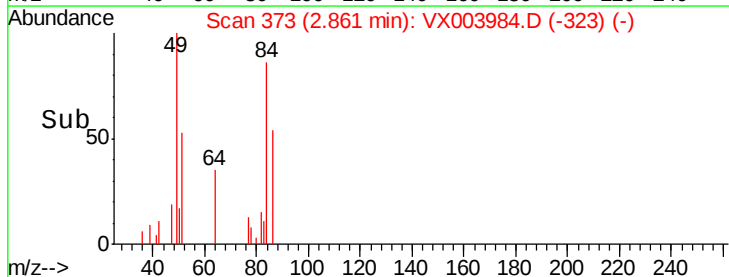
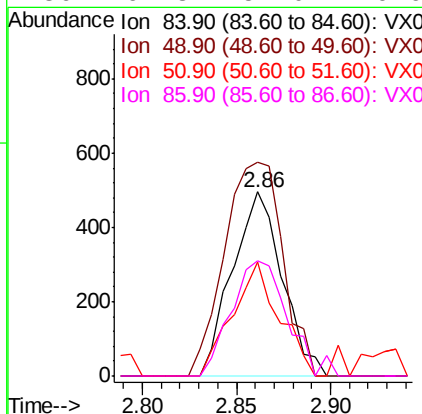
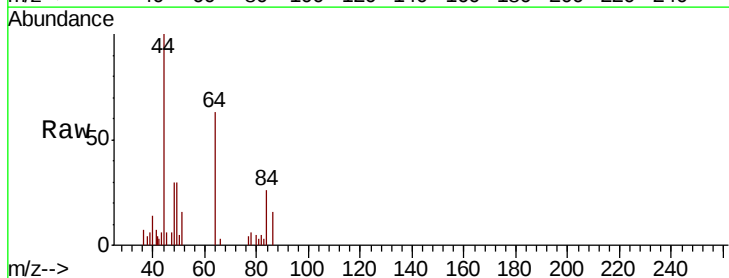
Instrument :
MSVOA_X
ClientSampleID :
TB-08082018

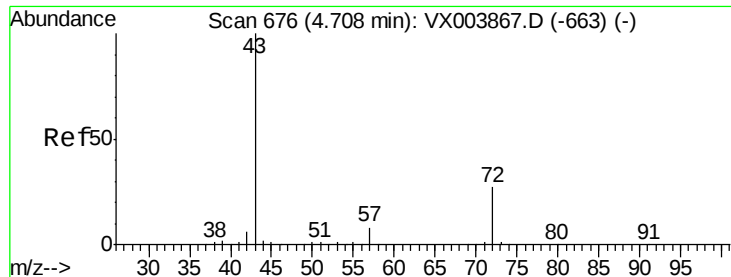
Tot Ion: 43 Resp: 25942
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

Tgt Ion: 84 Resp: 909
Ion Ratio Lower Upper
84 100
49 115.9 98.9 148.3
51 61.9 29.9 44.9#
86 62.3 51.0 76.6





#25

2-Butanone

Concen: 0.28 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

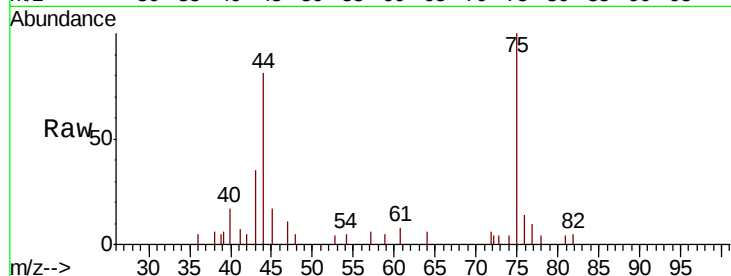
TB-08082018

Tot Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

72 30.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

600

500

400

300

200

100

0

4.65

4.70

4.71

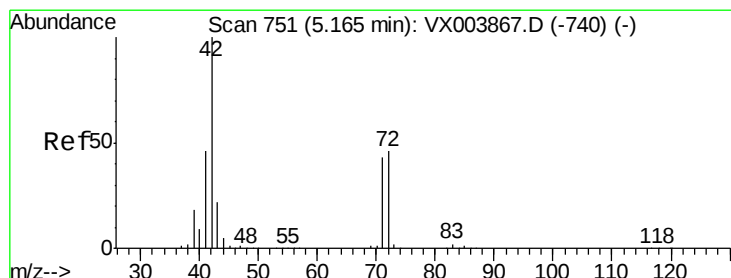
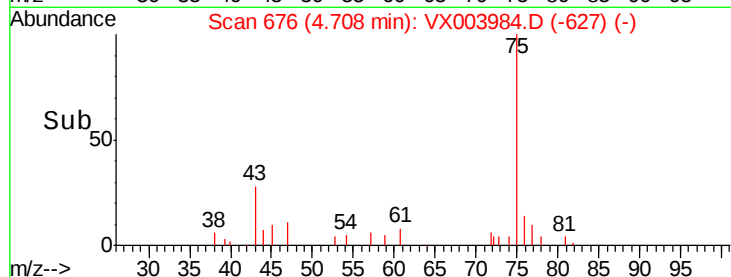
4.72

4.73

4.74

4.75

Time-->



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

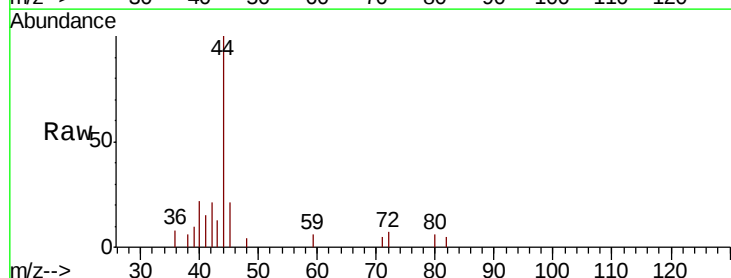
Tgt Ion: 42 Resp: 995

Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

71 0.0 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

300

200

100

0

5.05

5.10

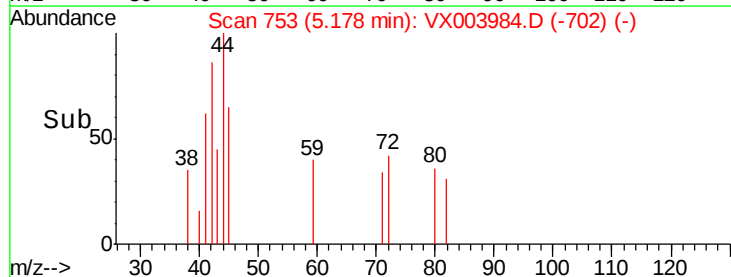
5.15

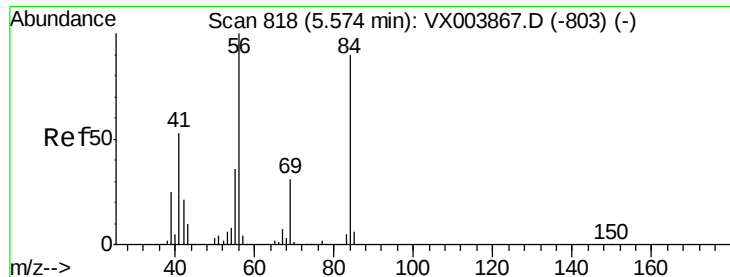
5.18

5.20

5.25

Time-->

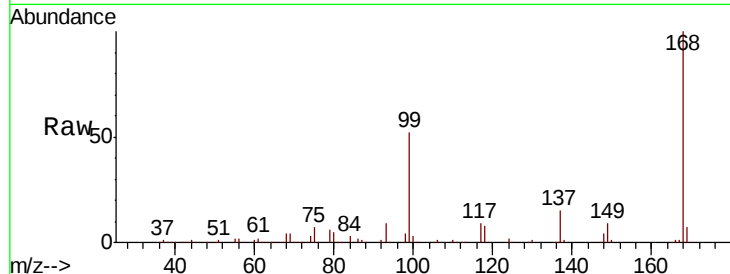




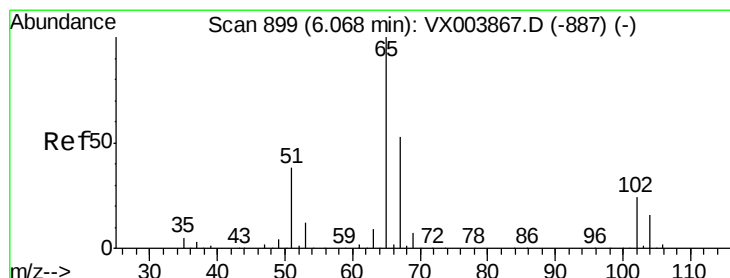
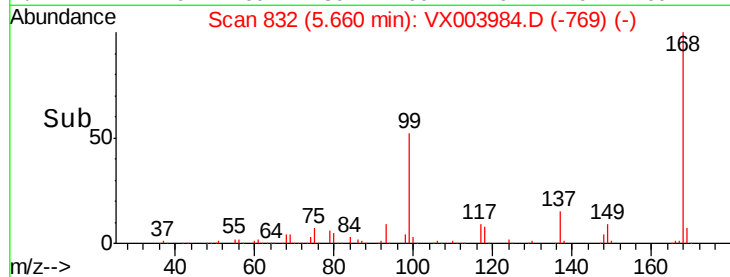
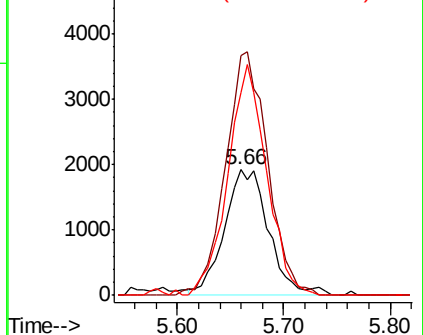
#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

Instrument :
MSVOA_X
ClientSampleId :
TB-08082018

Tot Ion: 56 Resp: 5603
Ion Ratio Lower Upper
56 100
69 191.3 24.9 37.3#
84 161.2 71.7 107.5#

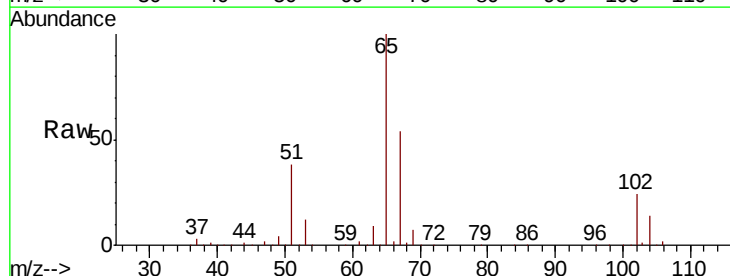


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

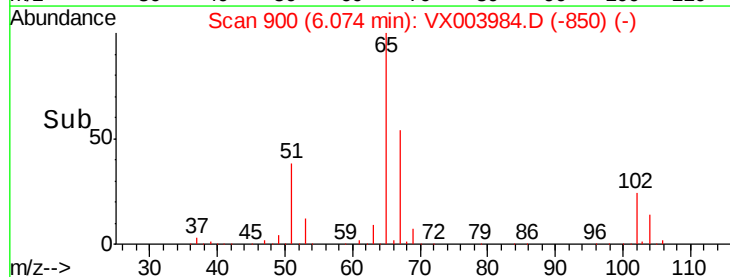
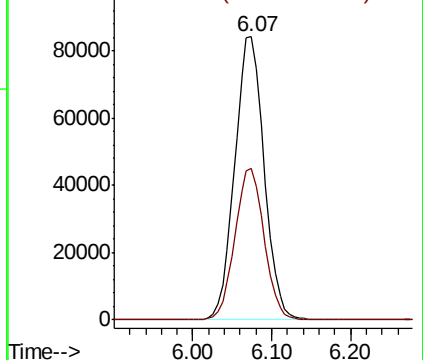


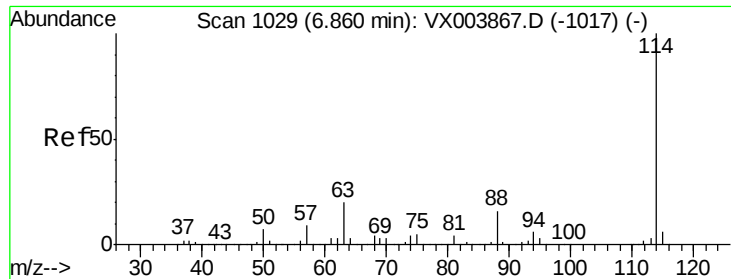
#33
1,2-Dichloroethane-d4
Concen: 52.48 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

Tgt Ion: 65 Resp: 218244
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

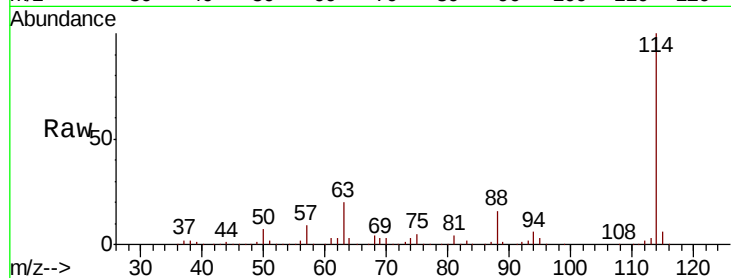




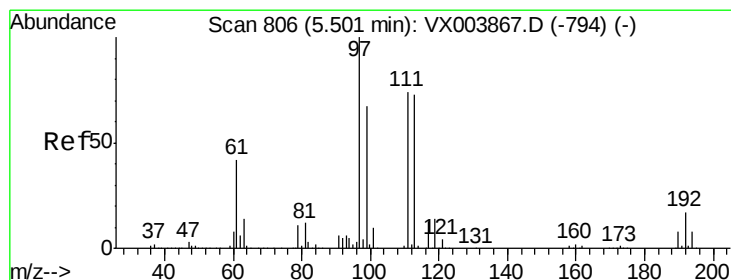
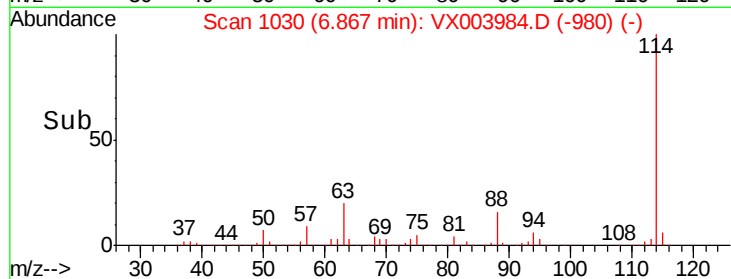
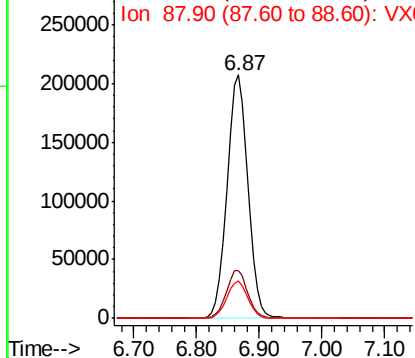
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

Instrument :
MSVOA_X
ClientSampled :
TB-08082018

Tot Ion:114 Resp: 478105
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.0
88 15.6 0.0 32.0

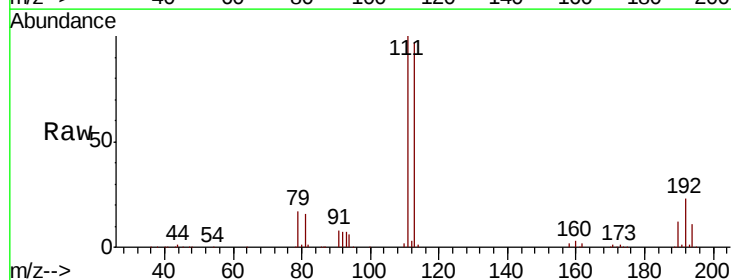


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

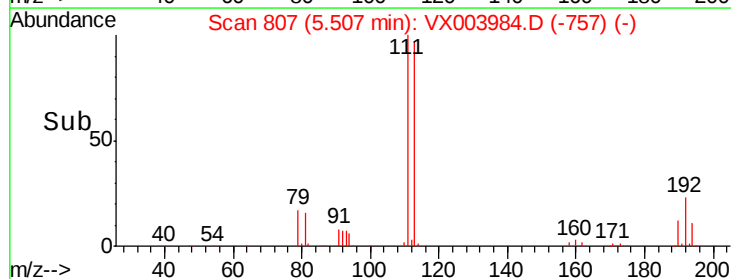
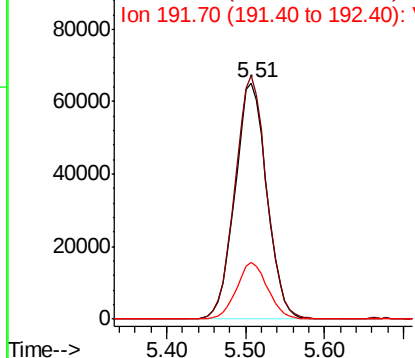


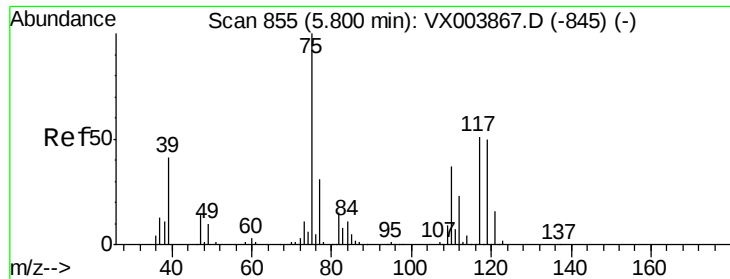
#35
Dibromofluoromethane
Concen: 50.44 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

Tgt Ion:113 Resp: 182705
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 23.6 19.0 28.4



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: 3.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

TB-08082018

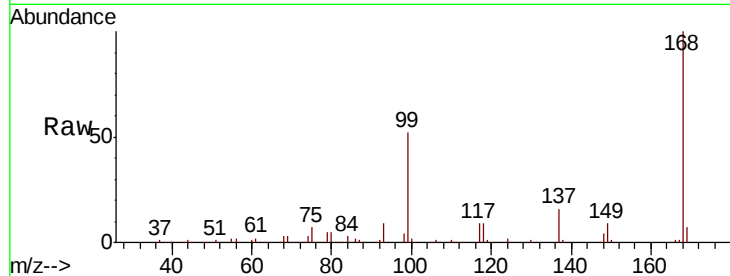
Tot Ion: 75 Resp: 21188

Ion Ratio Lower Upper

75 100

110 9.4 18.2 54.6#

77 0.1 25.0 37.4#

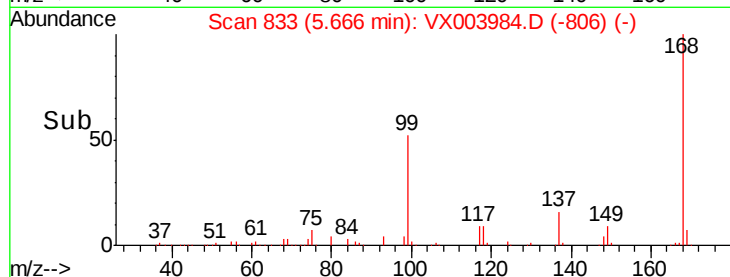


Abundance Ion 74.90 (74.60 to 75.60): VX003984.D (-806) (-)

Ion 109.90 (109.60 to 110.60): VX003984.D (-806) (-)

Ion 76.90 (76.60 to 77.60): VX003984.D (-806) (-)

Time-->

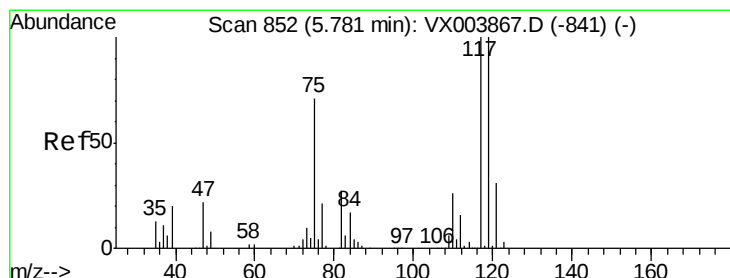


Abundance Ion 74.90 (74.60 to 75.60): VX003984.D (-806) (-)

Ion 109.90 (109.60 to 110.60): VX003984.D (-806) (-)

Ion 76.90 (76.60 to 77.60): VX003984.D (-806) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.51 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

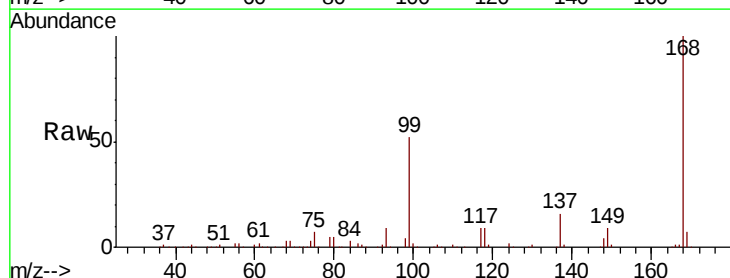
Tgt Ion: 117 Resp: 28093

Ion Ratio Lower Upper

117 100

119 6.0 79.5 119.3#

121 0.0 25.0 37.4#

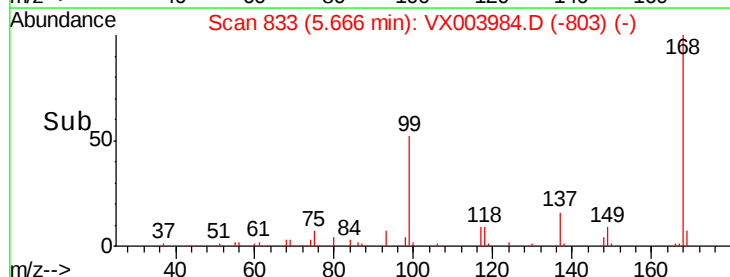


Abundance Ion 116.80 (116.50 to 117.50): VX003984.D (-803) (-)

Ion 118.80 (118.50 to 119.50): VX003984.D (-803) (-)

Ion 120.80 (120.50 to 121.50): VX003984.D (-803) (-)

Time-->

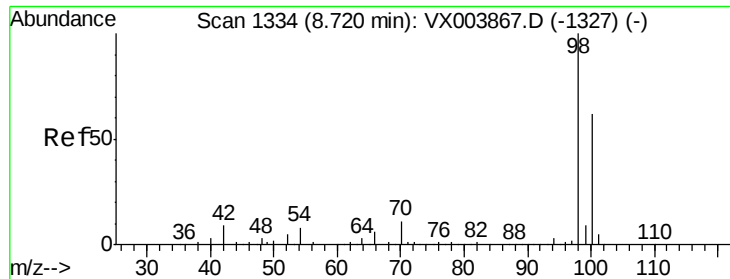


Abundance Ion 116.80 (116.50 to 117.50): VX003984.D (-803) (-)

Ion 118.80 (118.50 to 119.50): VX003984.D (-803) (-)

Ion 120.80 (120.50 to 121.50): VX003984.D (-803) (-)

Time-->



#50

Toluene-d8

Concen: 46.80 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

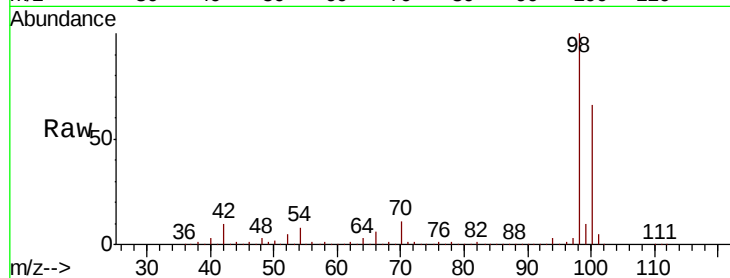
TB-08082018

Tot Ion: 98 Resp: 659137

Ion Ratio Lower Upper

98 100

100 66.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V>

8.72

400000

300000

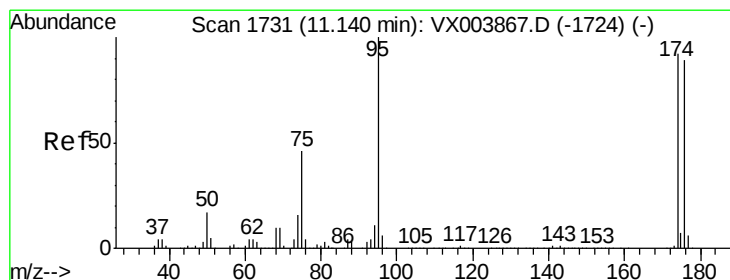
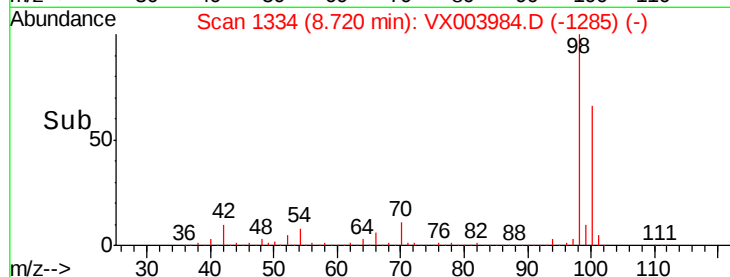
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 49.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003984.D

Acq: 10 Aug 2018 18:30

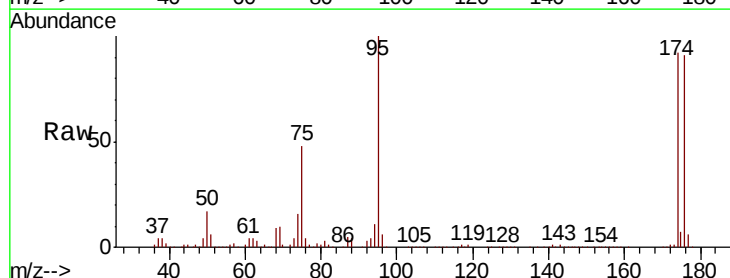
Tgt Ion: 95 Resp: 225929

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

176 89.4 0.0 179.0



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

11.14

250000

200000

150000

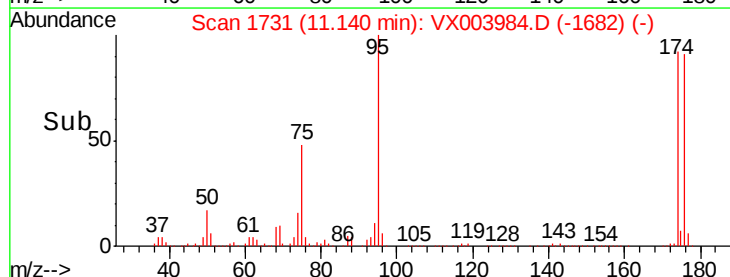
100000

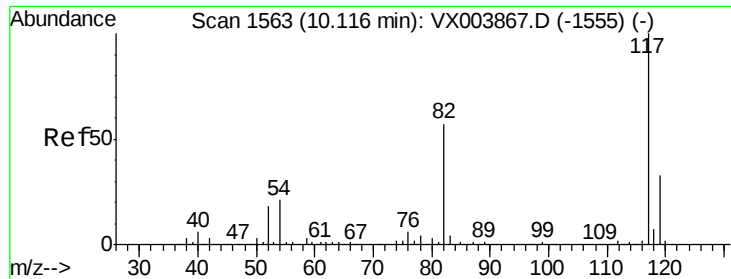
50000

0

Time-->

11.10 11.20

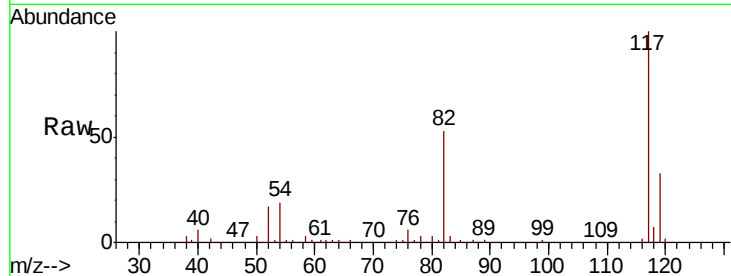




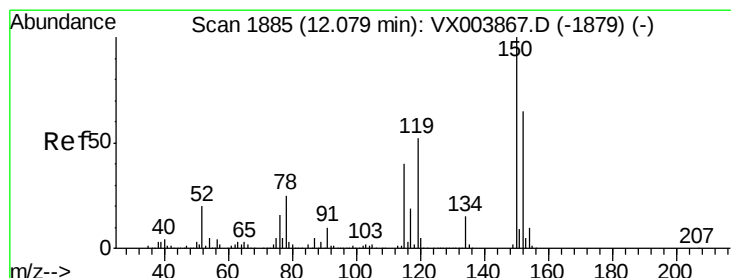
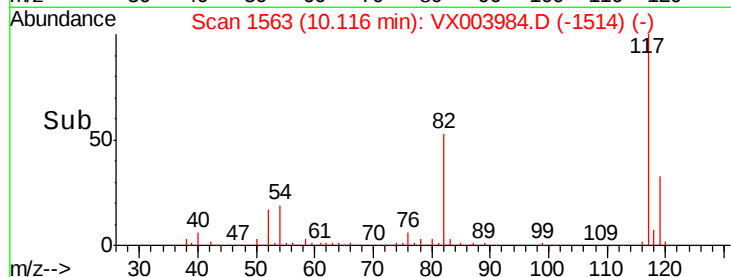
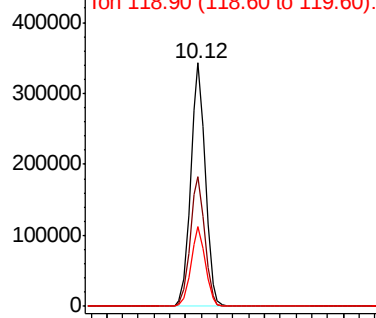
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

Instrument :
MSVOA_X
ClientSampled :
TB-08082018

Tot Ion:117 Resp: 442801
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 32.9 26.6 40.0

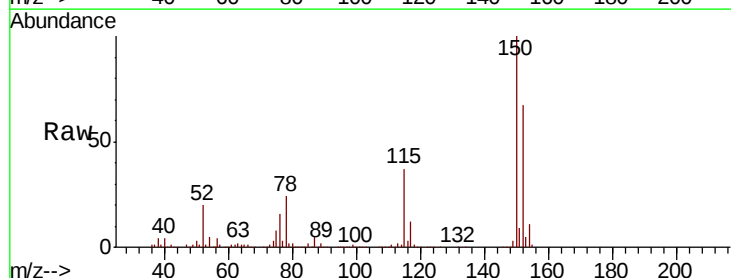


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

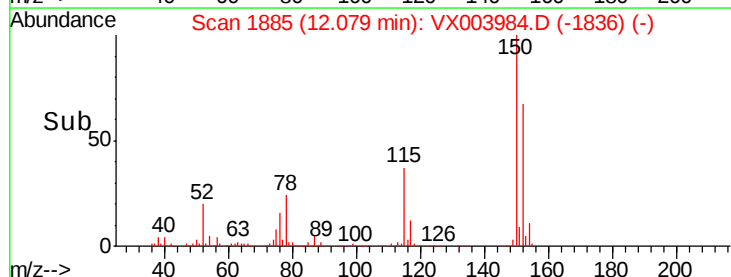
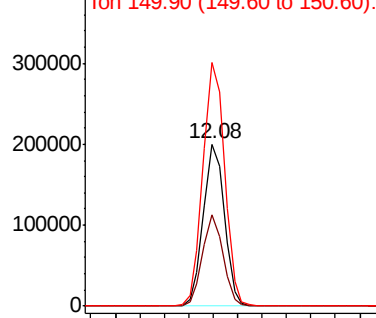


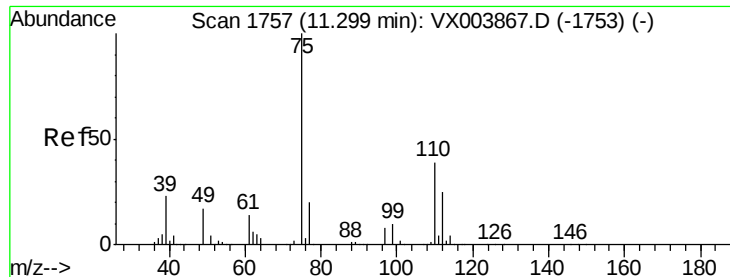
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003984.D
Acq: 10 Aug 2018 18:30

Tgt Ion:152 Resp: 237772
Ion Ratio Lower Upper
152 100
115 54.9 39.1 117.3
150 154.7 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

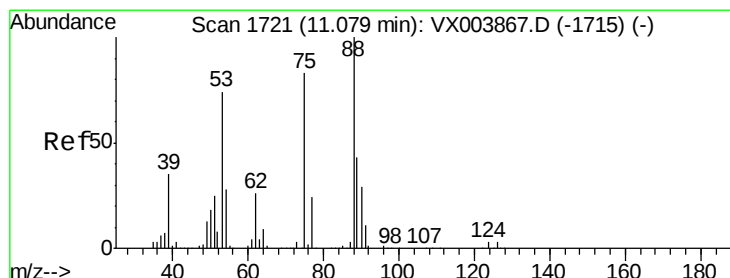
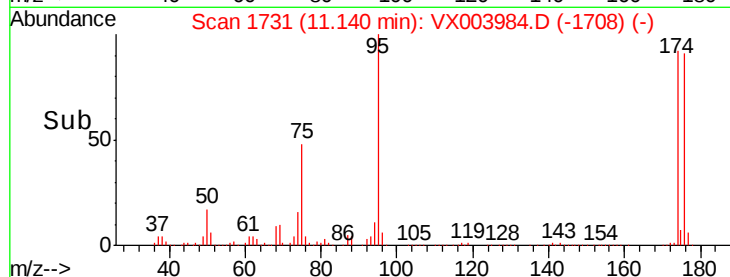
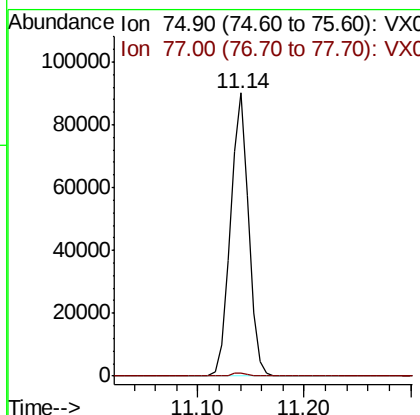
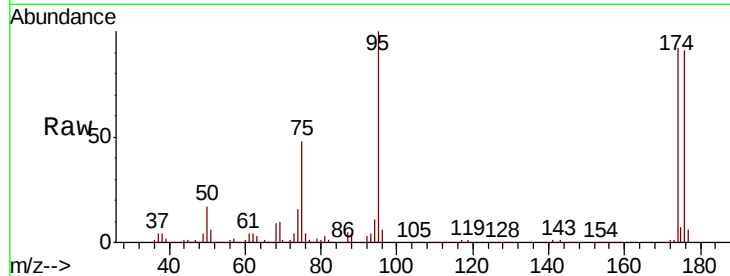




#76
 1,2,3-Trichloropropane
 Concen: 20.52 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003984.D
 Acq: 10 Aug 2018 18:30

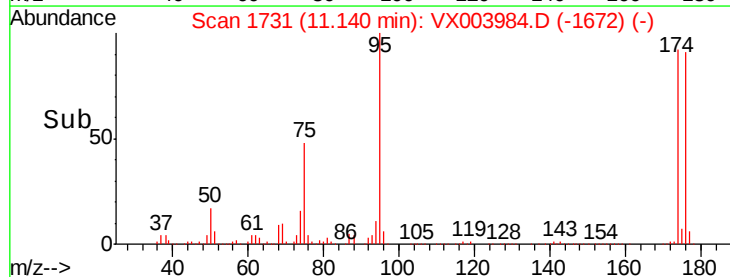
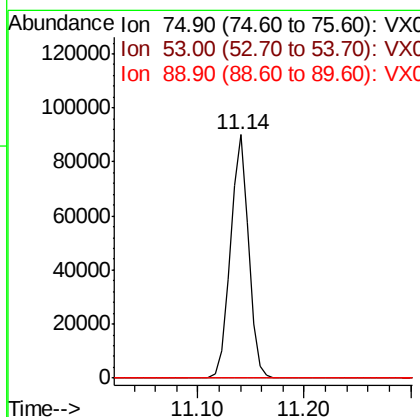
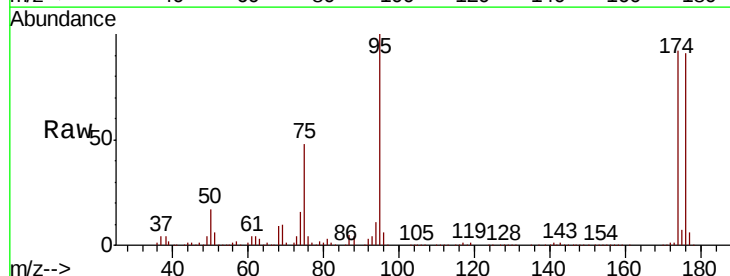
Instrument :
 MSVOA_X
 ClientSampleID :
 TB-08082018

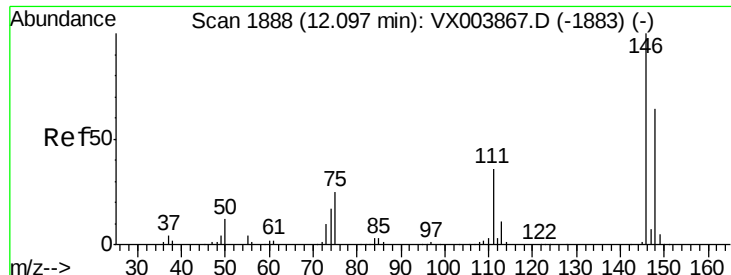
Tot Ion: 75 Resp: 107771
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.57 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003984.D
 Acq: 10 Aug 2018 18:30

Tgt Ion: 75 Resp: 107771
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.3 120.5#
 89 0.0 37.8 56.8#

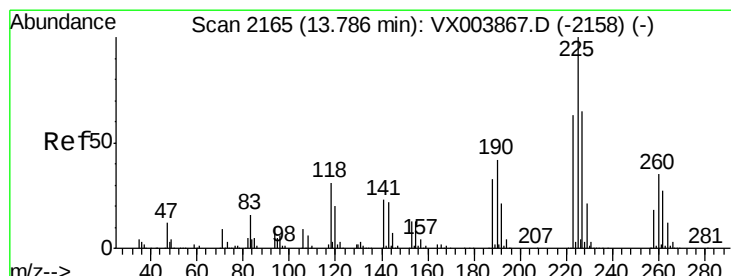
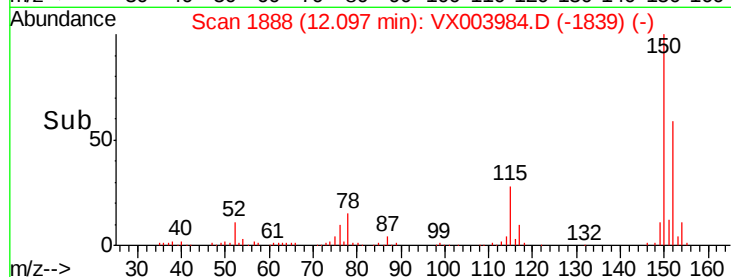
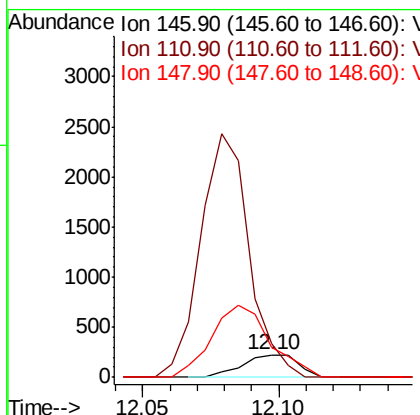
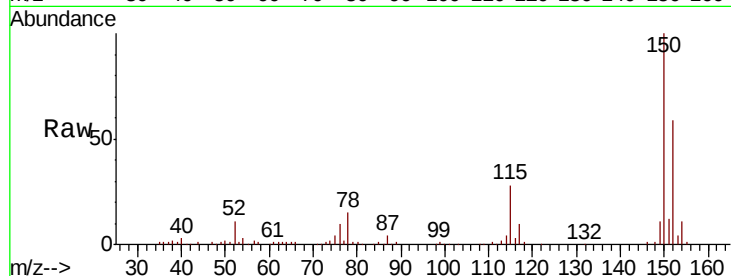




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003984.D
 Acq: 10 Aug 2018 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-08082018

Tot Ion:146 Resp: 319
 Ion Ratio Lower Upper
 146 100
 111 943.6 18.4 55.0#
 148 337.9 32.3 96.8#



#94
 Hexachlorobutadiene
 Concen: 0.48 ug/l
 RT: 13.77 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VX003984.D
 Acq: 10 Aug 2018 18:30

Tgt Ion:225 Resp: 122
 Ion Ratio Lower Upper
 225 100
 223 40.2 31.4 94.0
 227 0.0 32.1 96.5#

