

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004323.D
 Acq On : 30 Aug 2018 17:19
 Operator : JC/MD
 Sample : J4735-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KG-BASELINE-WATER

Quant Time: Aug 31 00:53:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	240229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193464	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	170831	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	
35) Dibromofluoromethane	5.50	113	148153	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
50) Toluene-d8	8.71	98	534071	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.14	95	182709	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

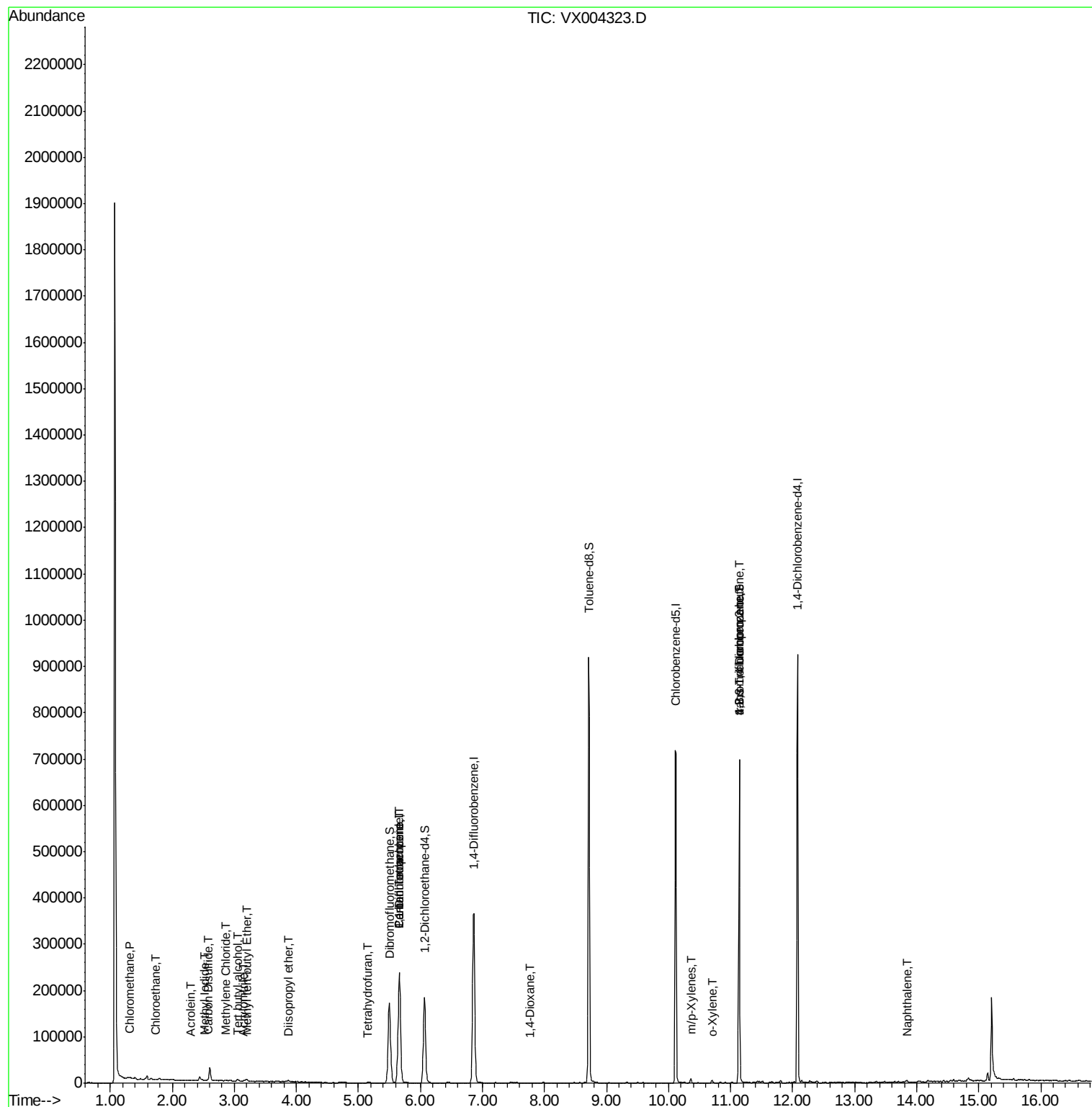
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1040	0.63	ug/l	98
5) Bromomethane	1.66	94	1111	Below Cal	#	78
6) Chloroethane	1.73	64	8282	4.24	ug/l	# 60
10) Methyl Iodide	2.52	142	1569	4.74	ug/l	99
11) Tert butyl alcohol	3.05	59	4342	6.51	ug/l	95
13) Acrolein	2.29	56	276	1.72	ug/l	# 16
15) Acrylonitrile	3.14	53	591	0.36	ug/l	# 29
16) Acetone	2.44	43	8781	Below Cal		98
17) Carbon Disulfide	2.57	76	2543	1.15	ug/l	# 93
19) Methyl tert-butyl Ether	3.20	73	4743	0.57	ug/l	96
20) Methylene Chloride	2.85	84	849	0.28	ug/l	# 85
22) Diisopropyl ether	3.87	45	3380	0.39	ug/l	# 88
25) 2-Butanone	4.70	43	2490	Below Cal		95
29) Tetrahydrofuran	5.16	42	1100	0.82	ug/l	# 86
36) 1,1-Dichloropropene	5.65	75	15918	3.75	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	21075	5.27	ug/l	# 16
49) 1,4-Dioxane	7.76	88	94	1.21	ug/l	# 1
68) m/p-Xylenes	10.36	106	2180	0.39	ug/l	88
69) o-Xylene	10.70	106	1113	0.21	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	86468	21.98	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.13	75	86468	71.30	ug/l	# 10
95) Naphthalene	13.83	128	2955	0.23	ug/l	# 95

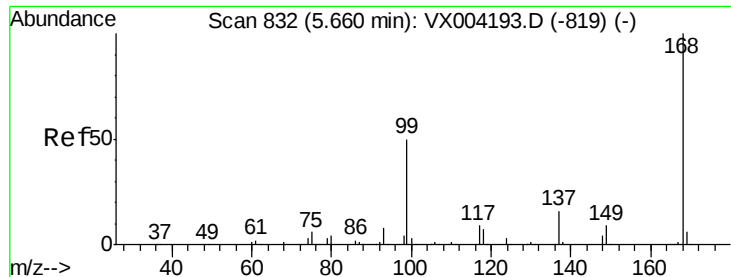
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX083018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

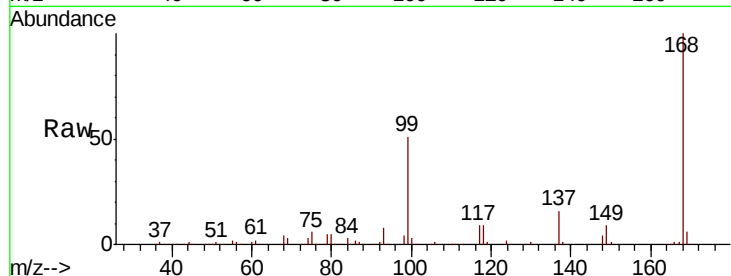
KG-BASELINE-WATER

Tot Ion:168 Resp: 240229

Ion Ratio Lower Upper

168 100

99 50.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

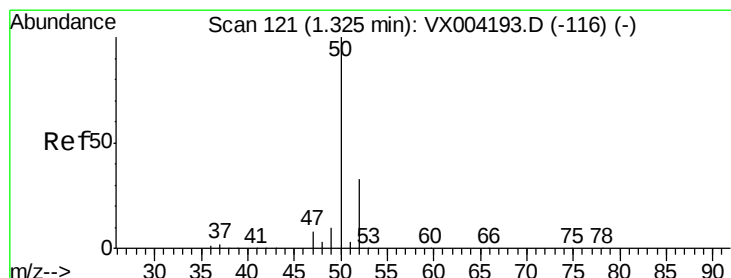
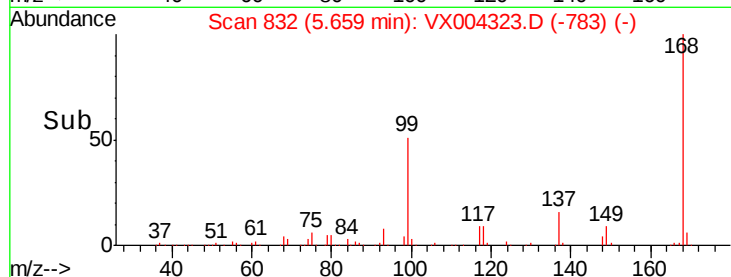
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004323.D

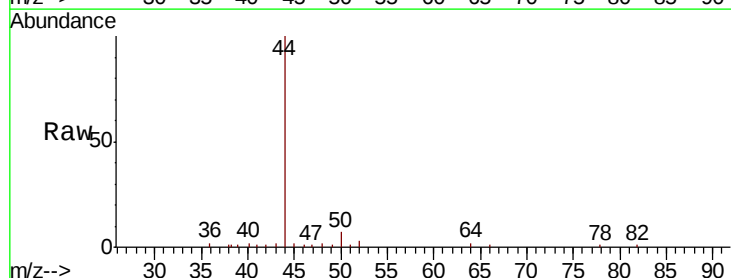
Acq: 30 Aug 2018 17:19

Tgt Ion: 50 Resp: 1040

Ion Ratio Lower Upper

50 100

52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

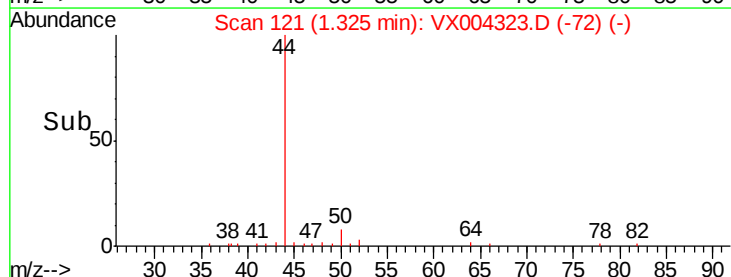
400

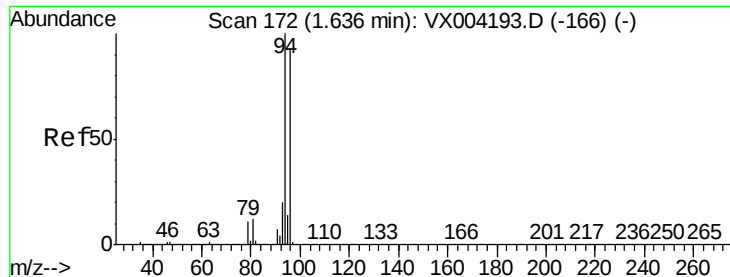
200

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

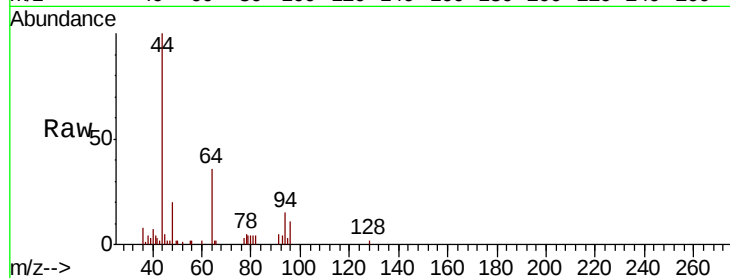
KG-BASELINE-WATER

Tot Ion: 94 Resp: 1111

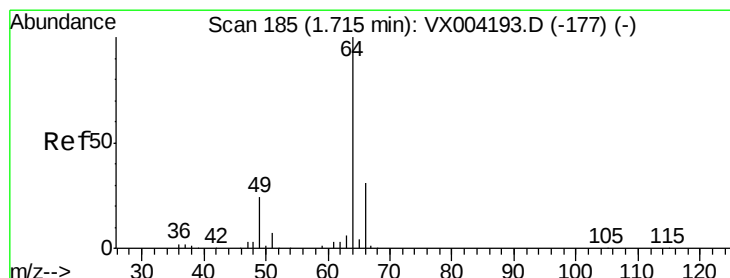
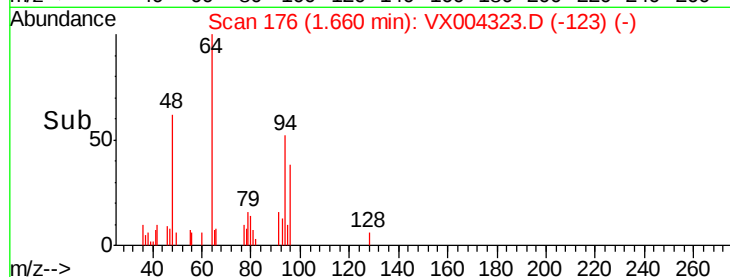
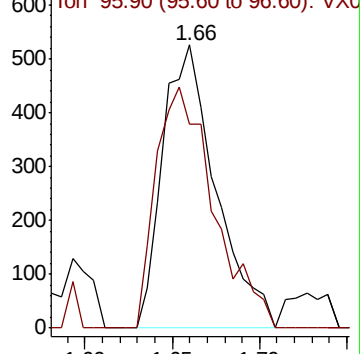
Ion Ratio Lower Upper

94 100

96 72.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 4.24 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004323.D

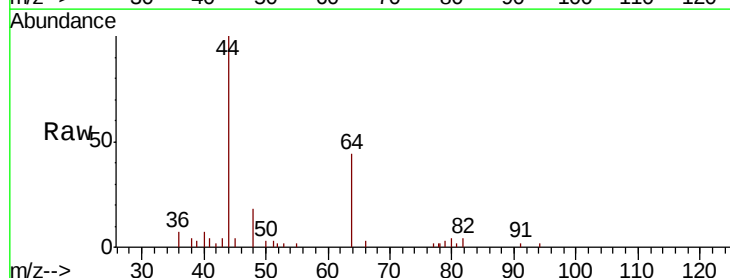
Acq: 30 Aug 2018 17:19

Tgt Ion: 64 Resp: 8282

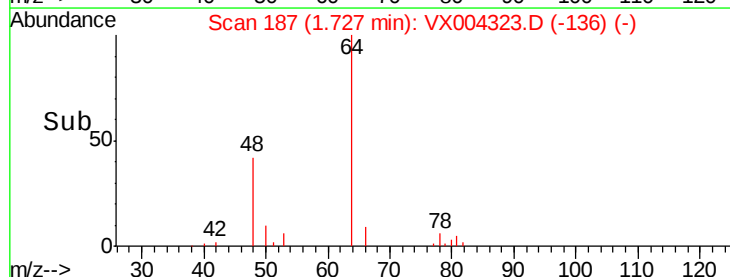
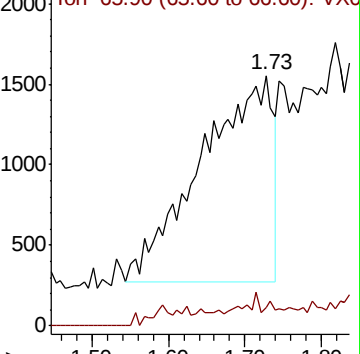
Ion Ratio Lower Upper

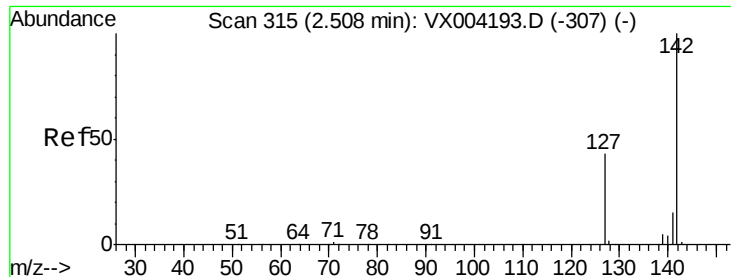
64 100

66 8.8 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

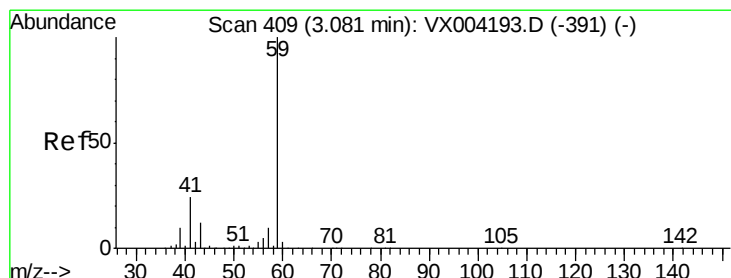
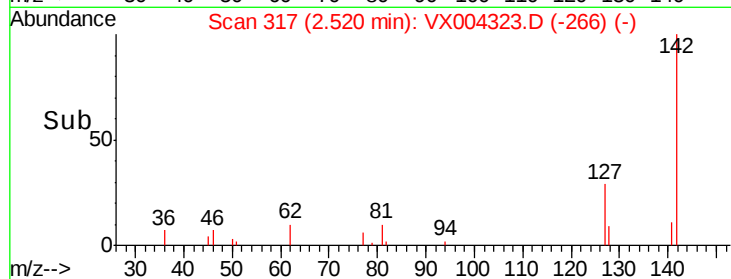
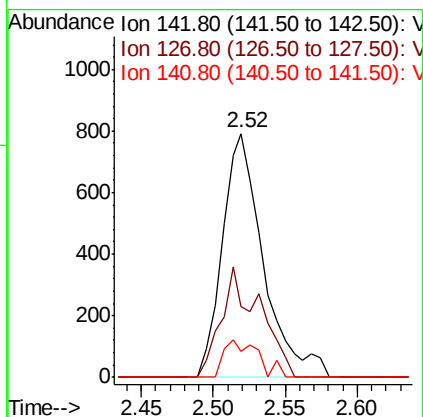
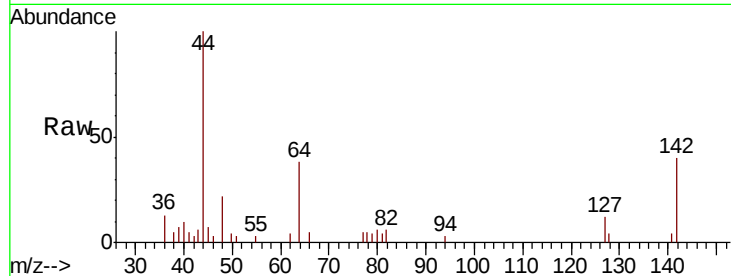




#10
Methvl Iodide
Concen: 4.74 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004323.D
Acq: 30 Aug 2018 17:19

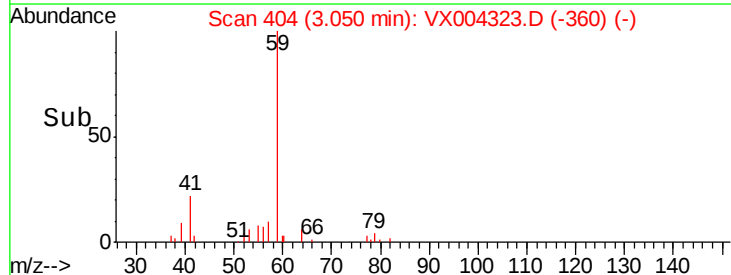
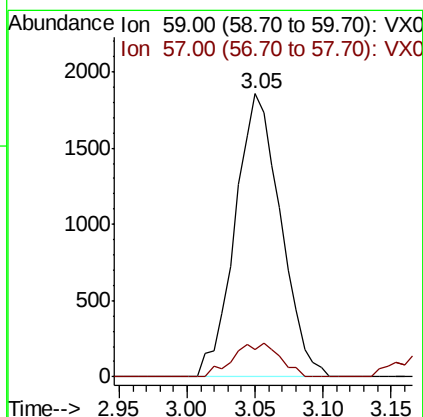
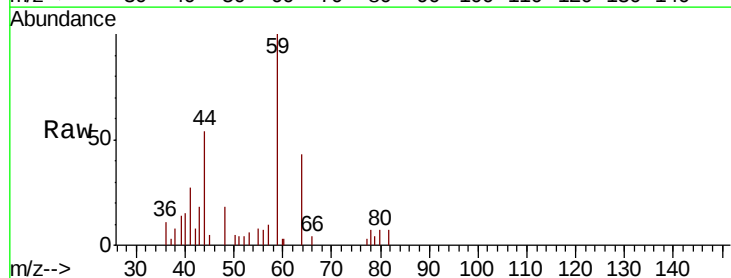
Instrument :
MSVOA_X
ClientSampleId :
KG-BASELINE-WATER

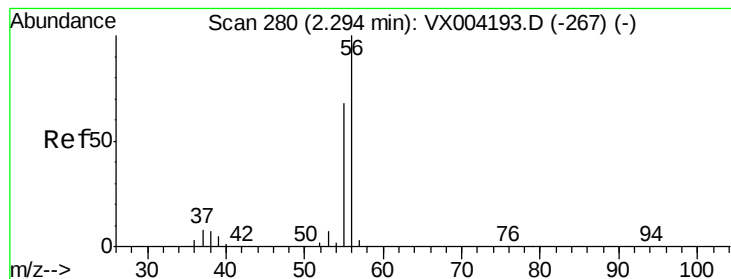
Tot Ion:142 Resp: 1569
Ion Ratio Lower Upper
142 100
127 42.6 33.8 50.6
141 12.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 6.51 ug/l
RT: 3.05 min Scan# 404
Delta R.T. -0.03 min
Lab File: VX004323.D
Acq: 30 Aug 2018 17:19

Tgt Ion: 59 Resp: 4342
Ion Ratio Lower Upper
59 100
57 12.2 8.2 12.4





#13

Acrolein

Concen: 1.72 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

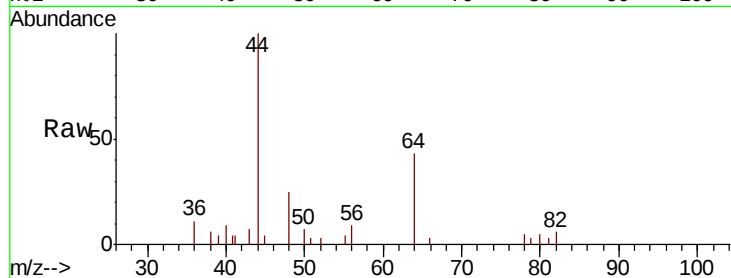
KG-BASELINE-WATER

Tot Ion: 56 Resp: 276

Ion Ratio Lower Upper

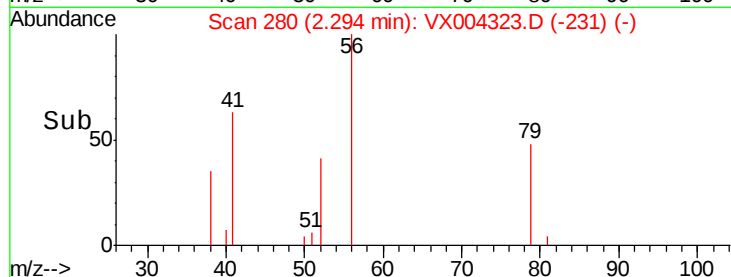
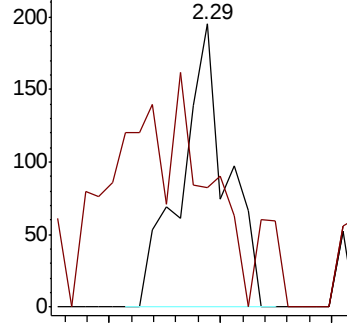
56 100

55 0.0 54.7 82.1#

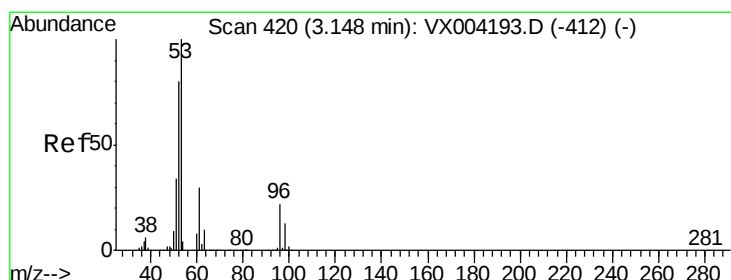


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.36 ug/l

RT: 3.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

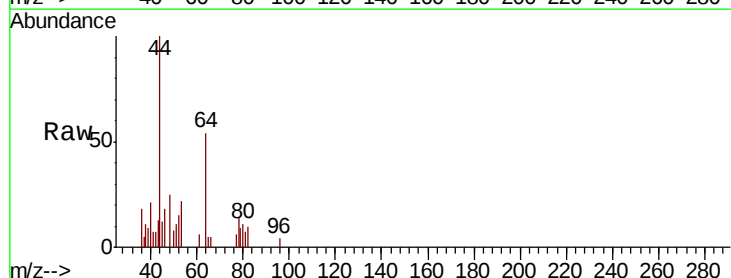
Tgt Ion: 53 Resp: 591

Ion Ratio Lower Upper

53 100

52 0.0 65.2 97.8#

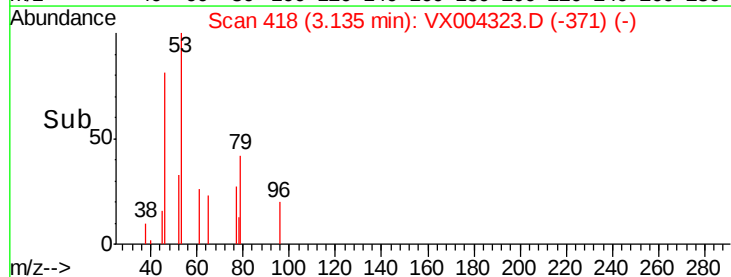
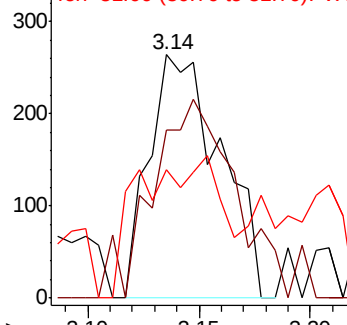
51 22.3 28.2 42.2#



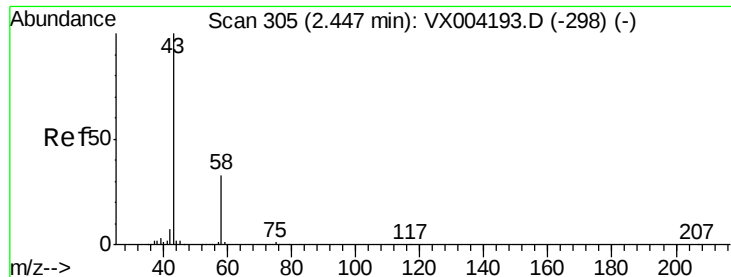
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

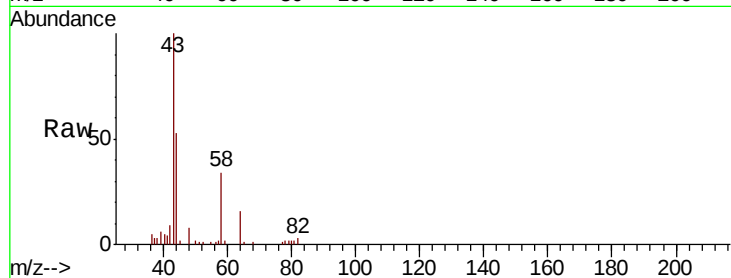
KG-BASELINE-WATER

Tot Ion: 43 Resp: 8781

Ion Ratio Lower Upper

43 100

58 34.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

2000

1000

0

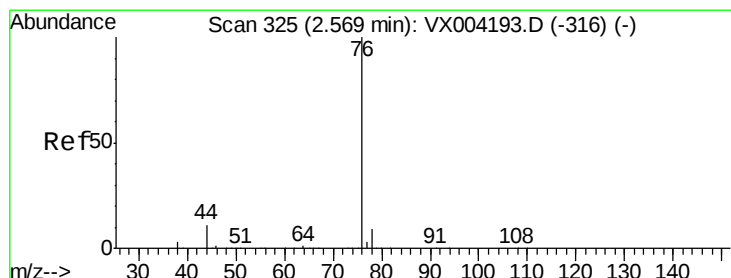
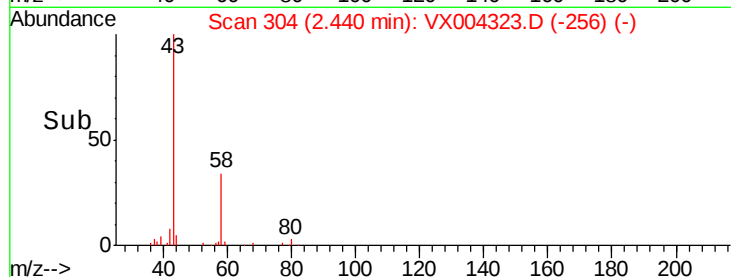
2.35

2.40

2.44

2.50

Time-->



#17

Carbon Disulfide

Concen: 1.15 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX004323.D

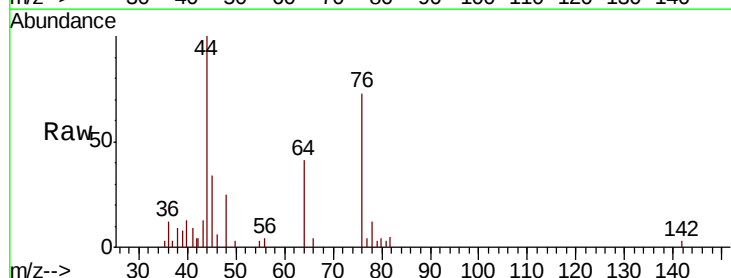
Acq: 30 Aug 2018 17:19

Tgt Ion: 76 Resp: 2543

Ion Ratio Lower Upper

76 100

78 11.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500

1000

500

0

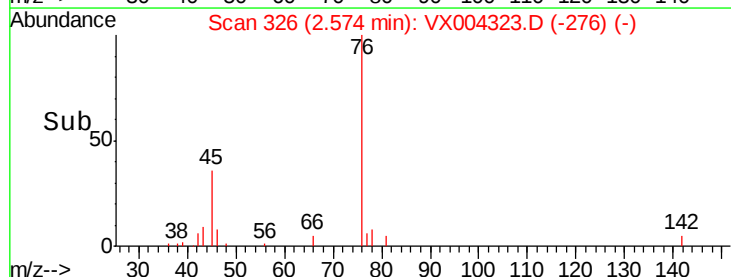
2.50

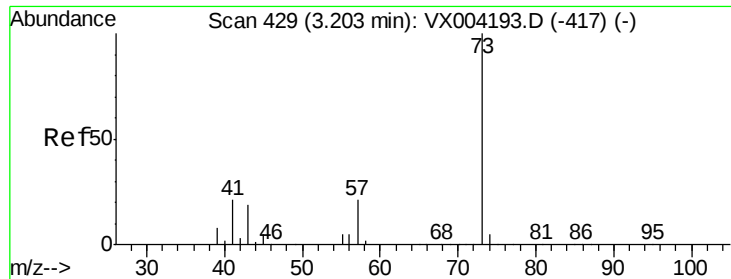
2.55

2.57

2.60

Time-->

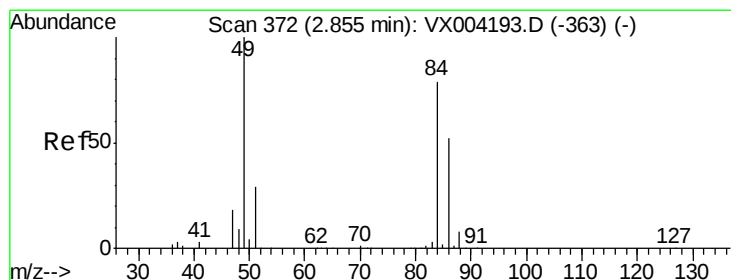
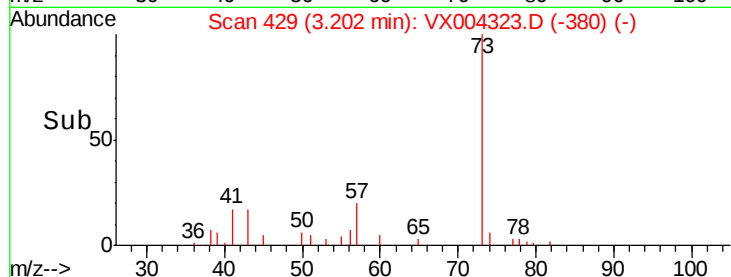
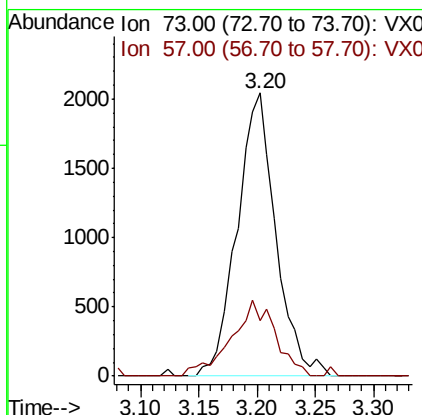
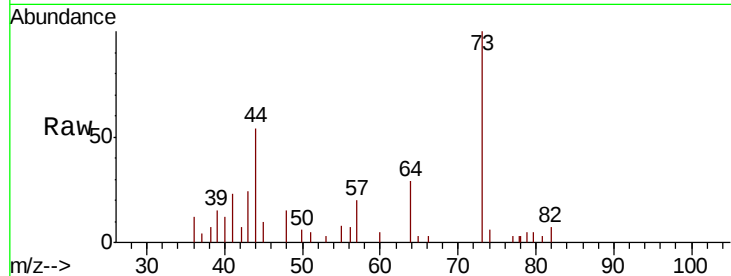




#19
Methvl tert-butvl Ether
Concen: 0.57 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004323.D
Acq: 30 Aug 2018 17:19

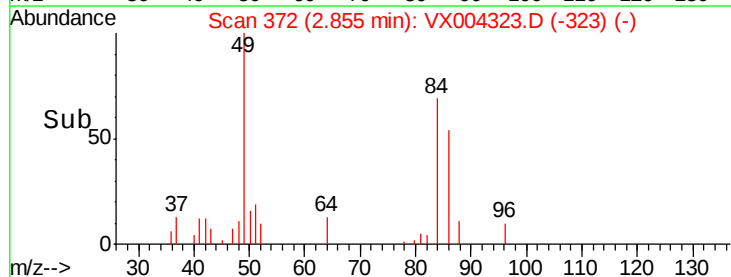
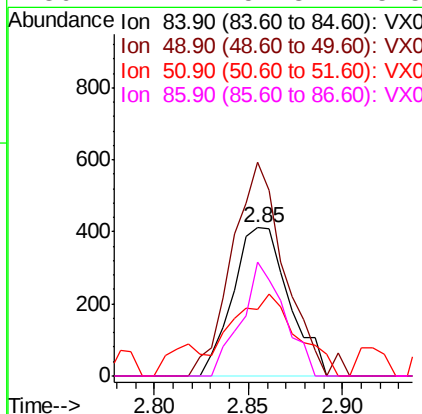
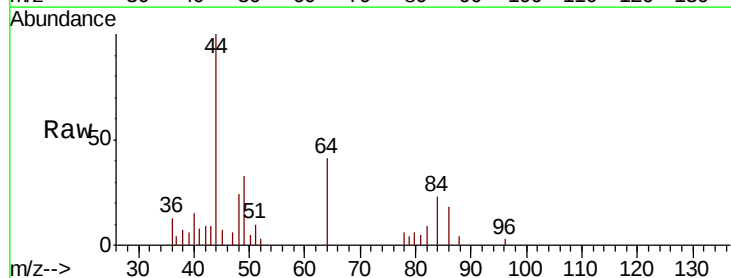
Instrument :
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KG-BASELINE-WATER

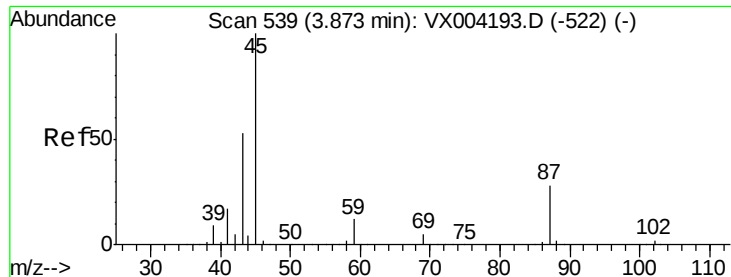
Tot Ion: 73 Resp: 4743
Ion Ratio Lower Upper
73 100
57 19.6 17.1 25.7



#20
Methylene Chloride
Concen: 0.28 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004323.D
Acq: 30 Aug 2018 17:19

Tgt Ion: 84 Resp: 849
Ion Ratio Lower Upper
84 100
49 144.3 101.2 151.8
51 45.3 29.5 44.3#
86 77.4 52.3 78.5





#22

Diisopropyl ether

Concen: 0.39 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

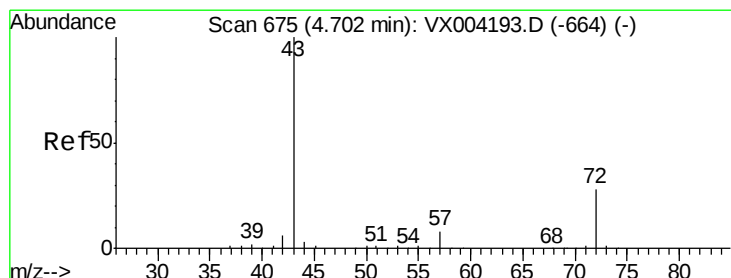
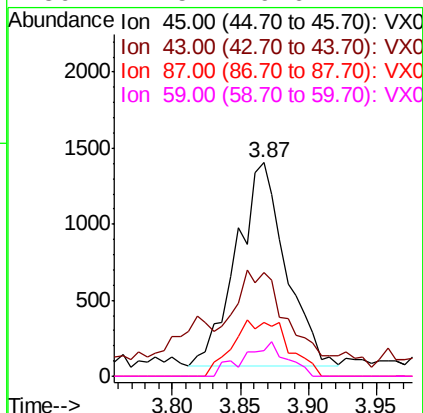
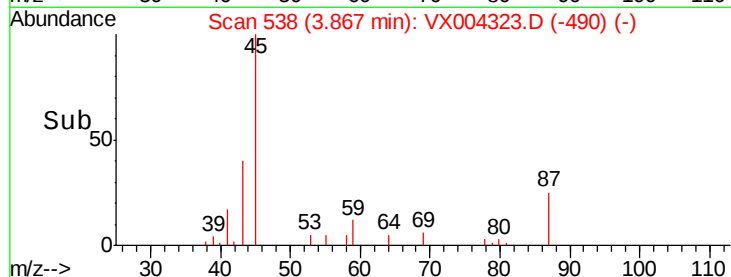
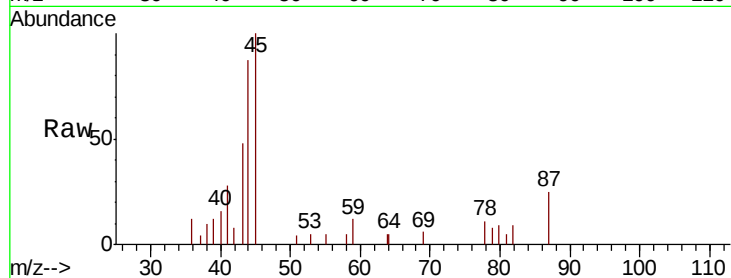
ClientSampleId :

KG-BASELINE-WATER

Tot Ion: 45 Resp: 3380

Ion Ratio Lower Upper

45	100		
43	40.6	42.8	64.2#
87	26.3	22.6	34.0
59	12.5	9.6	14.4



#25

2-Butanone

Concen: Below Cal

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

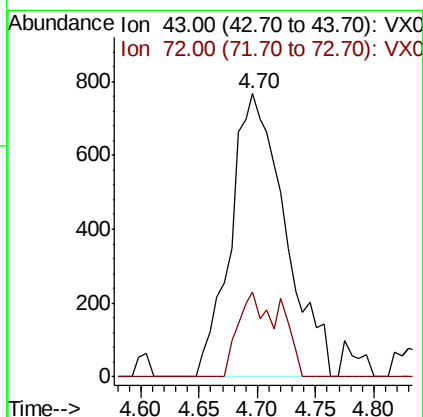
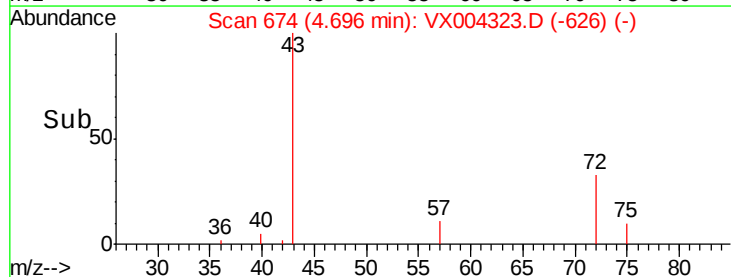
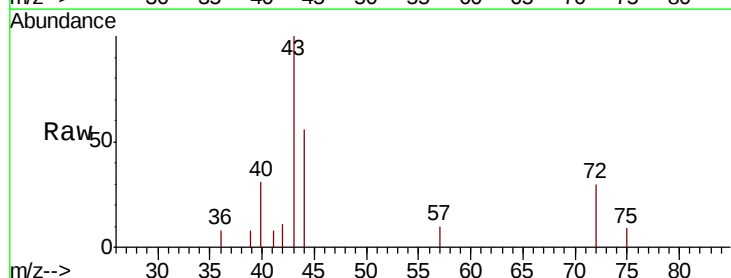
Lab File: VX004323.D

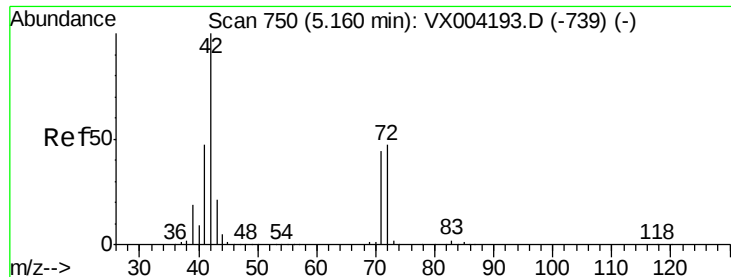
Acq: 30 Aug 2018 17:19

Tgt Ion: 43 Resp: 2490

Ion Ratio Lower Upper

43	100		
72	30.1	22.0	33.0





#29

Tetrahydrofuran

Concen: 0.82 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

KG-BASELINE-WATER

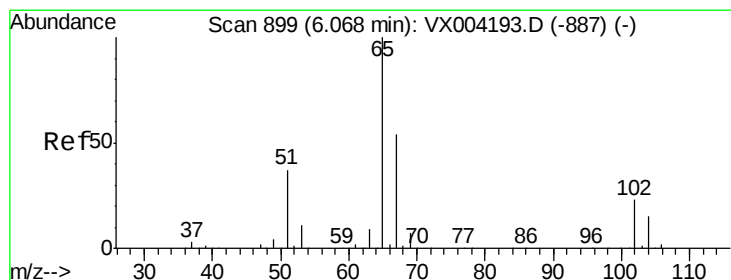
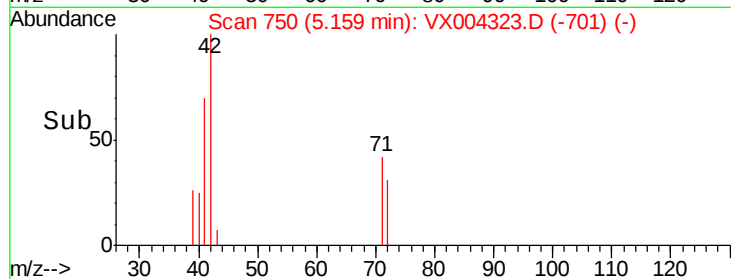
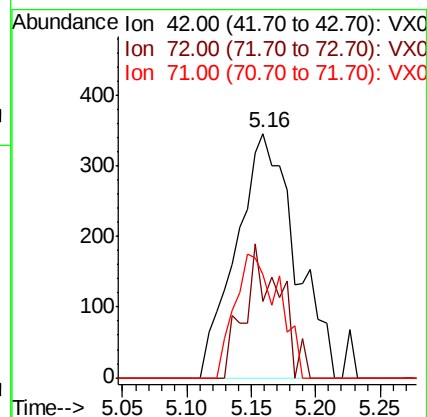
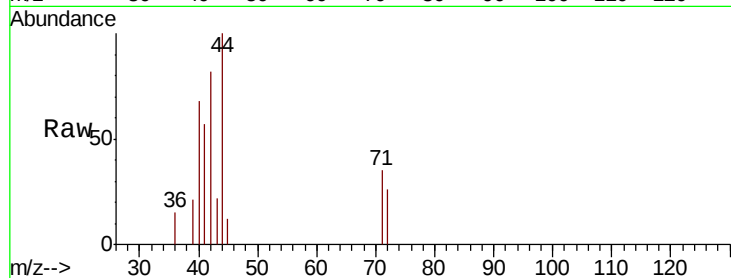
Tot Ion: 42 Resp: 1100

Ion Ratio Lower Upper

42 100

72 32.9 37.4 56.0#

71 38.2 34.5 51.7



#33

1,2-Dichloroethane-d4

Concen: 54.56 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX004323.D

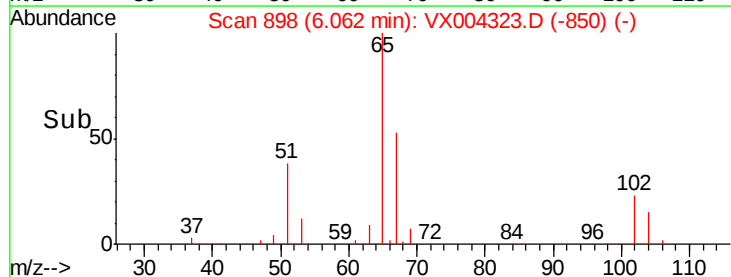
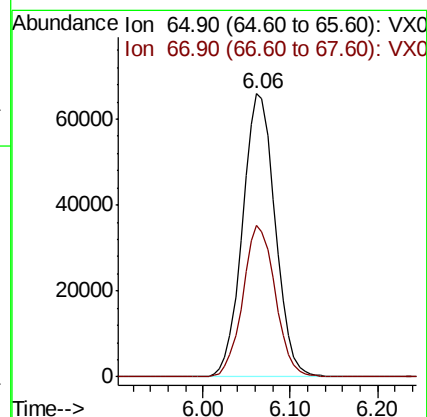
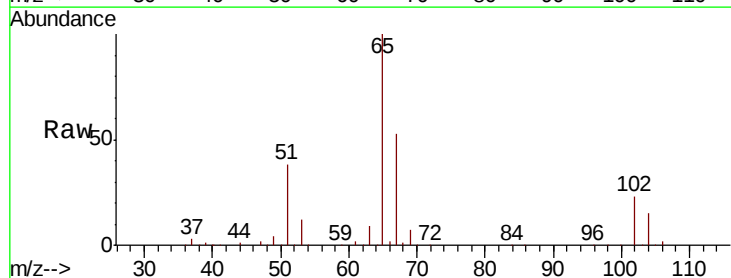
Acq: 30 Aug 2018 17:19

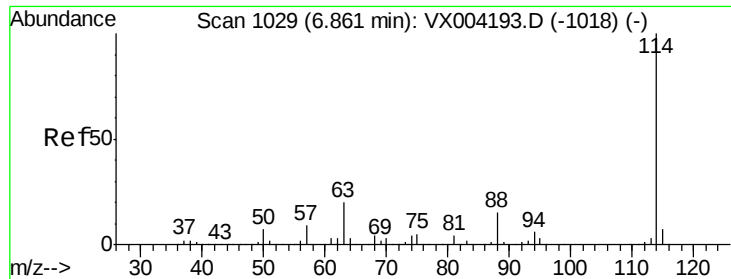
Tgt Ion: 65 Resp: 170831

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8

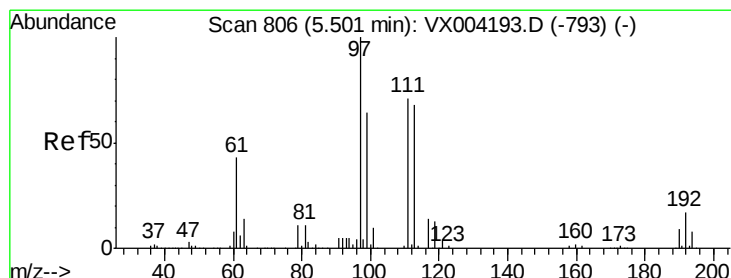
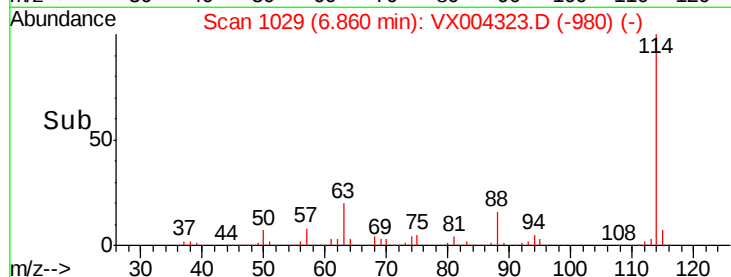
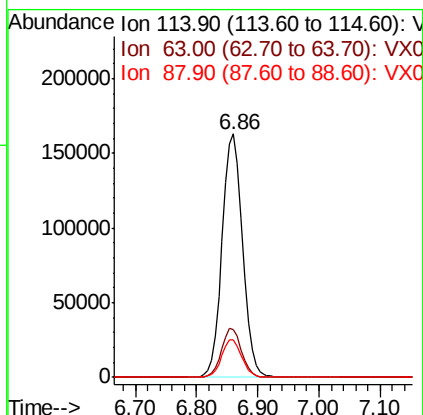
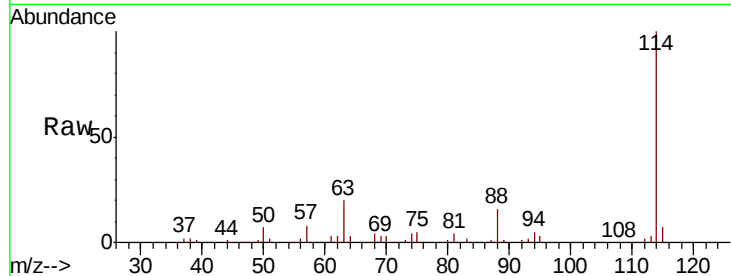




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004323.D
 Acq: 30 Aug 2018 17:19

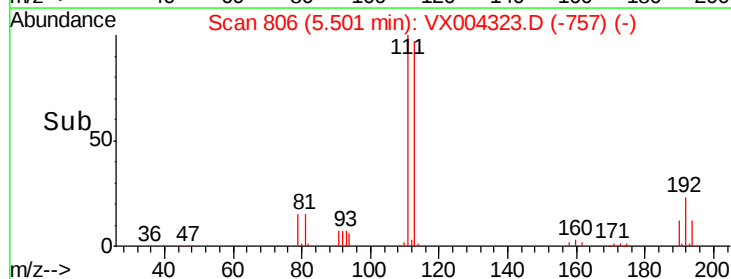
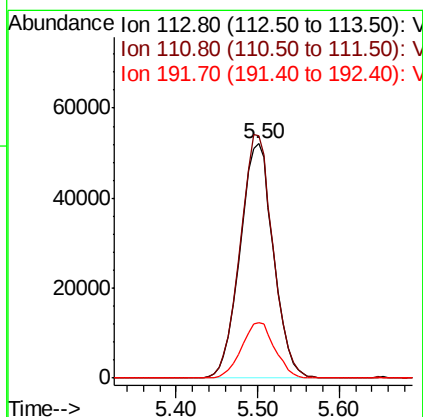
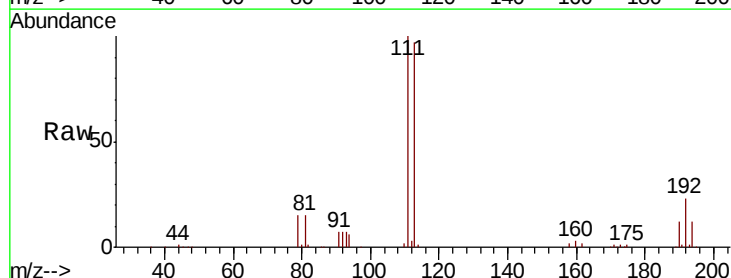
Instrument :
 MSVOA_X
 ClientSampleId :
 KG-BASELINE-WATER

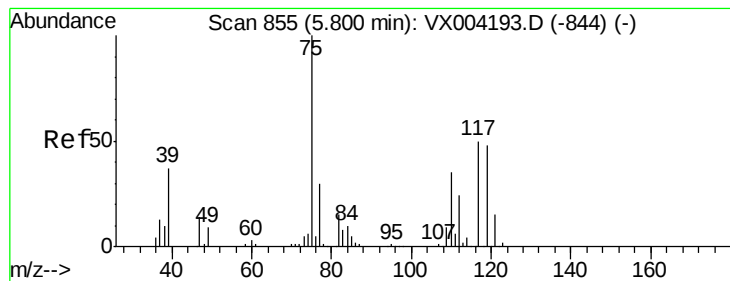
Tot Ion:114 Resp: 377803
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.7 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.71 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004323.D
 Acq: 30 Aug 2018 17:19

Tgt Ion:113 Resp: 148153
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 23.6 19.4 29.2





#36

1,1-Dichloropropene

Concen: 3.75 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.15 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

KG-BASELINE-WATER

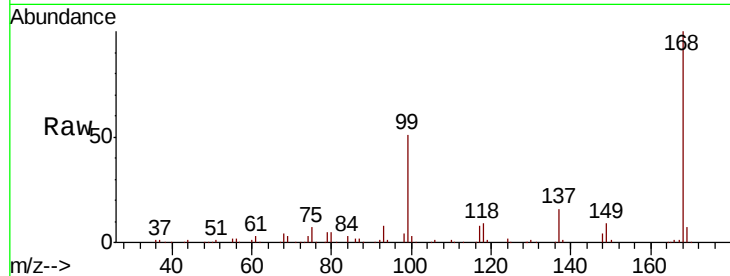
Tot Ion: 75 Resp: 15918

Ion Ratio Lower Upper

75 100

110 8.7 18.0 54.0#

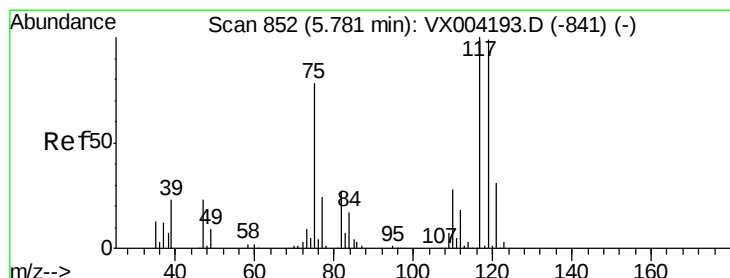
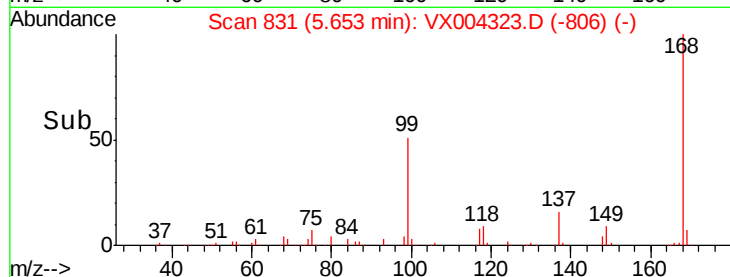
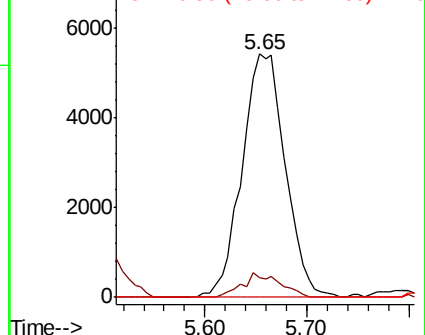
77 0.0 24.6 36.8#



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: 5.27 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

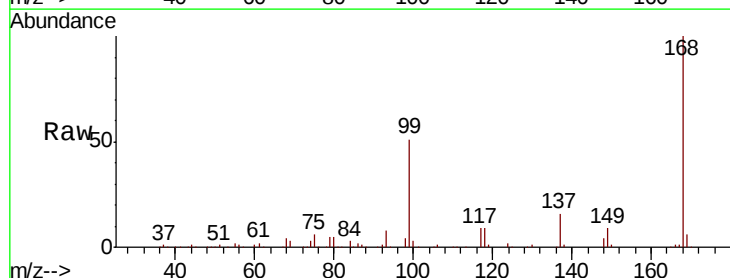
Tgt Ion: 117 Resp: 21075

Ion Ratio Lower Upper

117 100

119 6.3 78.8 118.2#

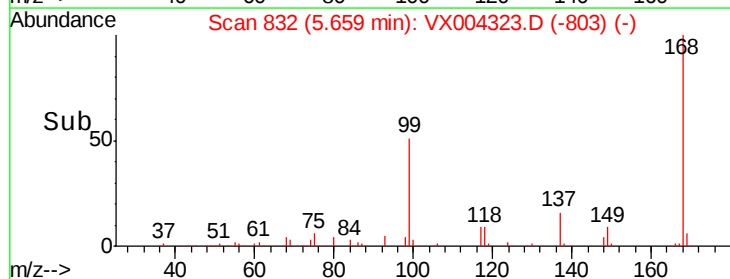
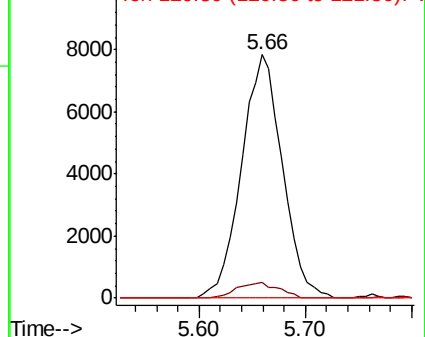
121 0.0 24.9 37.3#

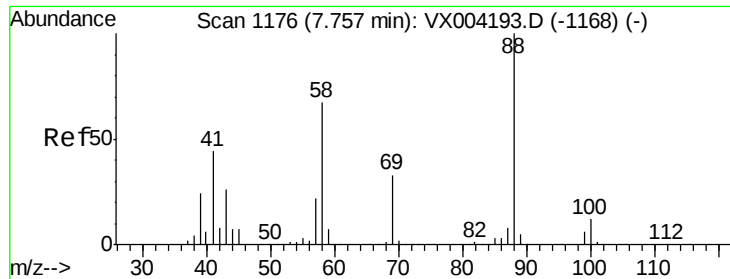


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

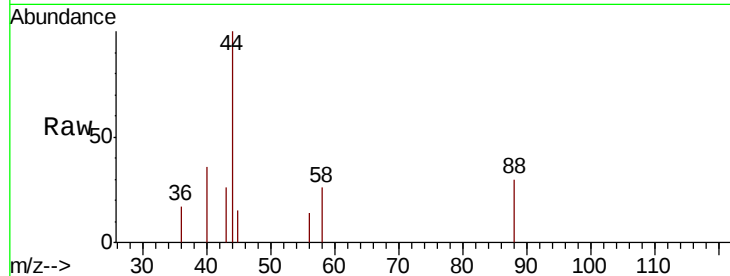




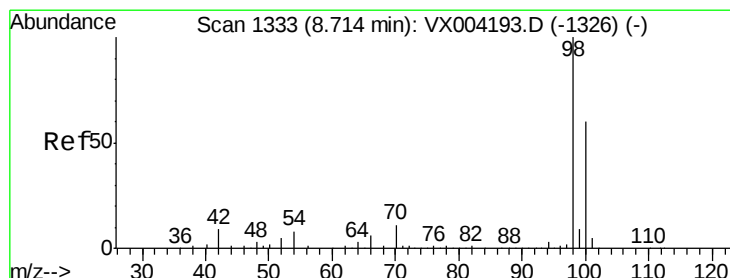
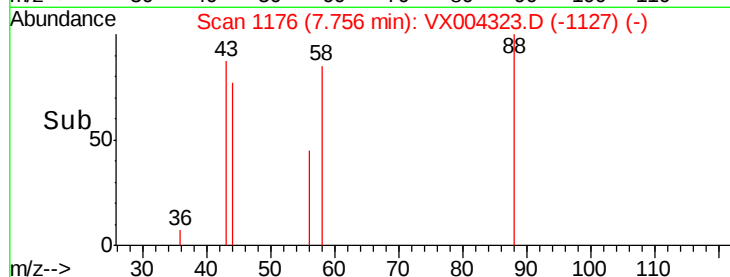
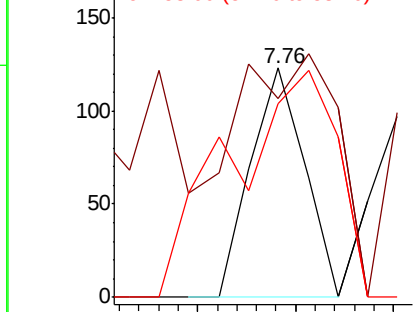
#49
 1,4-Dioxane
 Concen: 1.21 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004323.D
 Acq: 30 Aug 2018 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KG-BASELINE-WATER

Tot Ion: 88 Resp: 94
 Ion Ratio Lower Upper
 88 100
 43 207.4 24.7 37.1#
 58 198.9 55.3 82.9#

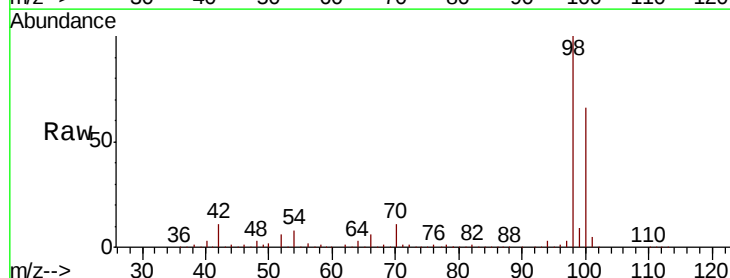


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

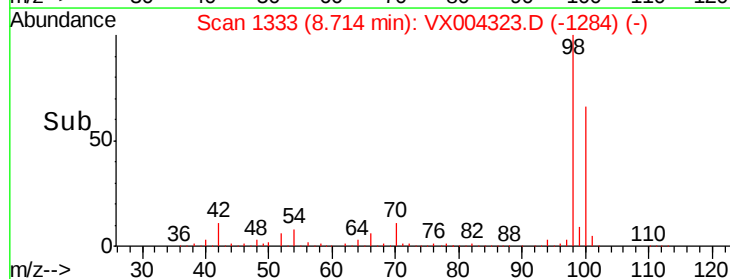
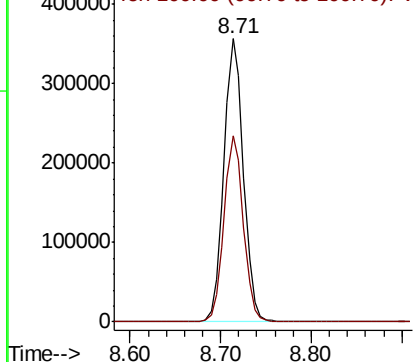


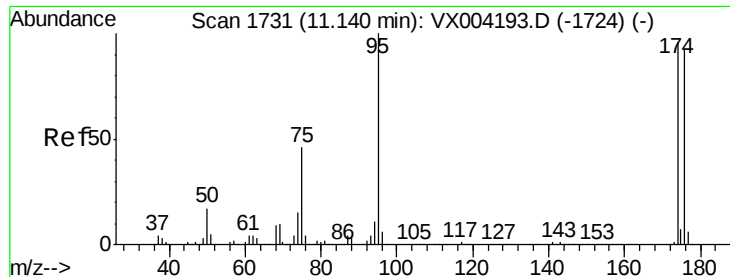
#50
 Toluene-d8
 Concen: 50.34 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VX004323.D
 Acq: 30 Aug 2018 17:19

Tgt Ion: 98 Resp: 534071
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 46.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

KG-BASELINE-WATER

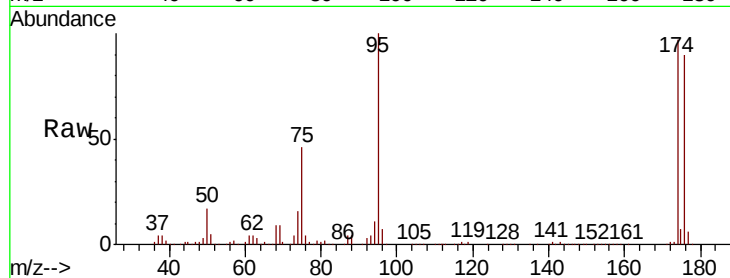
Tot Ion: 95 Resp: 182709

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

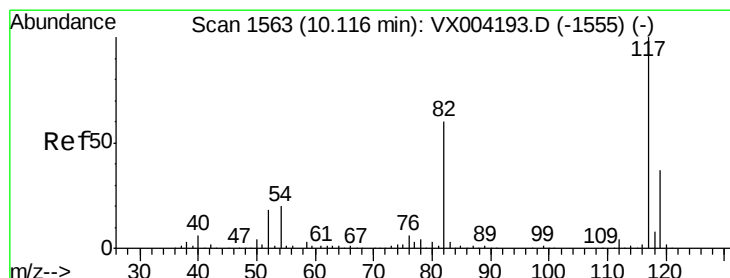
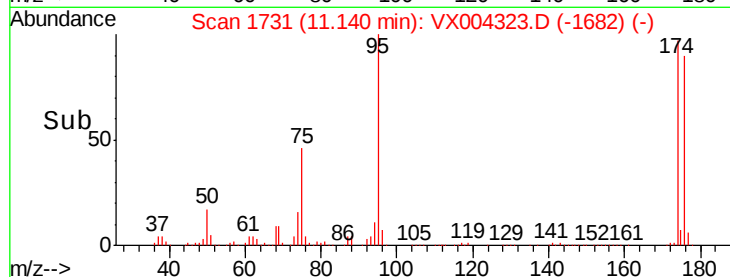
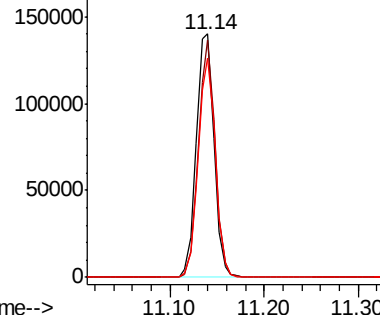
176 87.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

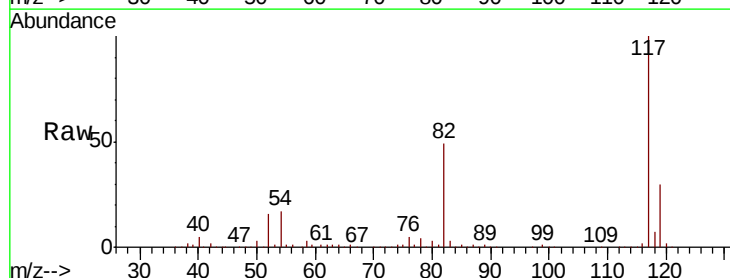
Tgt Ion: 117 Resp: 347702

Ion Ratio Lower Upper

117 100

82 48.8 47.8 71.6

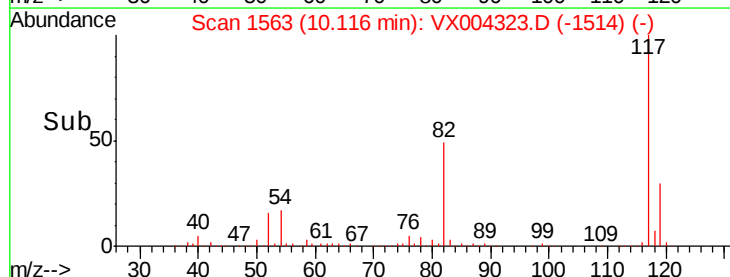
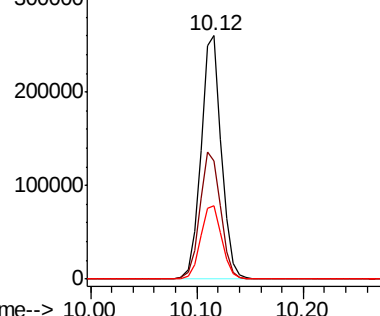
119 30.3 29.3 43.9

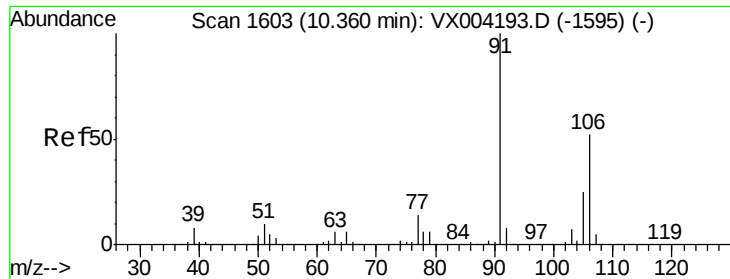


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

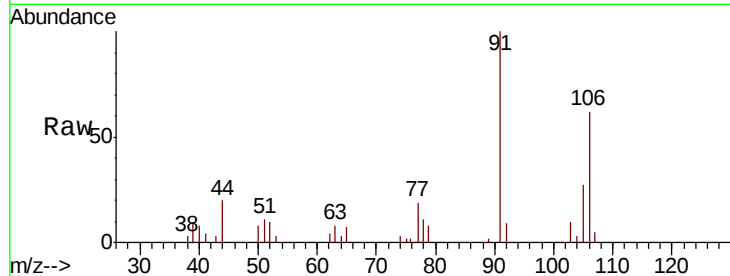




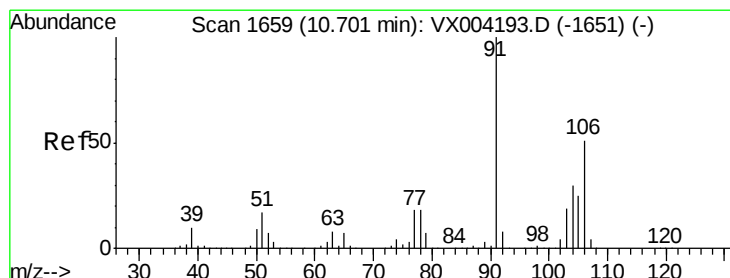
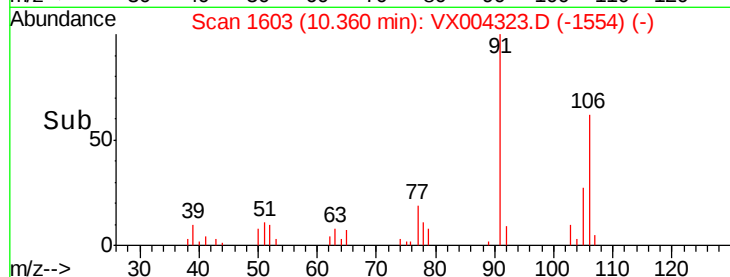
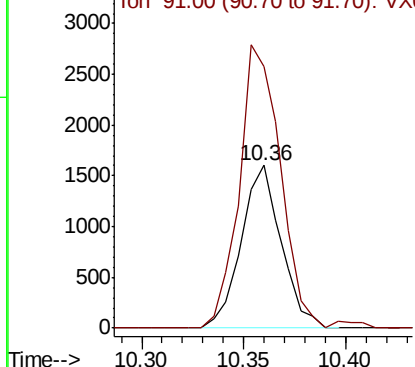
#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004323.D
Acq: 30 Aug 2018 17:19

Instrument :
MSVOA_X
ClientSampleId :
KG-BASELINE-WATER

Tot Ion:106 Resp: 2180
Ion Ratio Lower Upper
106 100
91 178.1 157.1 235.7

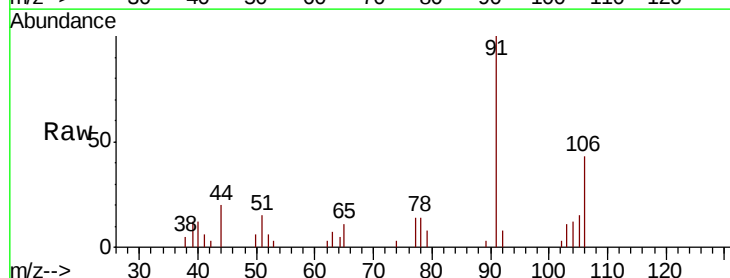


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

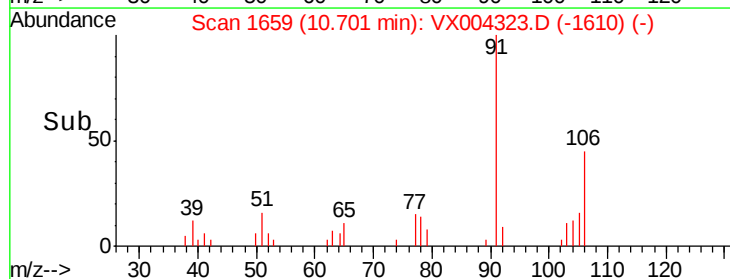
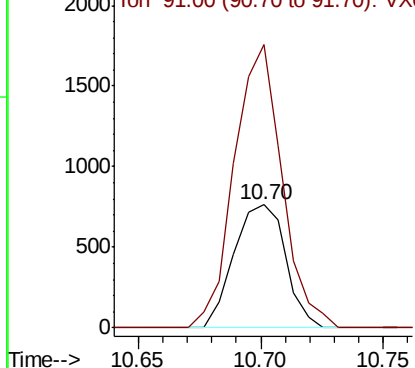


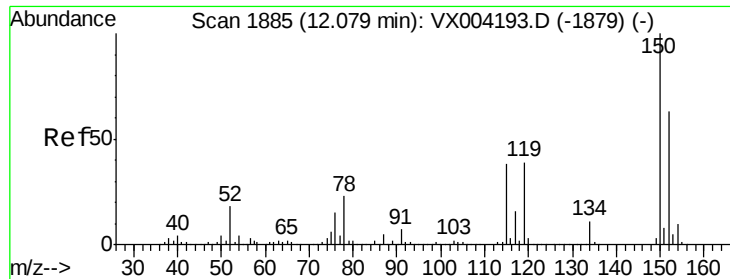
#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004323.D
Acq: 30 Aug 2018 17:19

Tgt Ion:106 Resp: 1113
Ion Ratio Lower Upper
106 100
91 214.2 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

KG-BASELINE-WATER

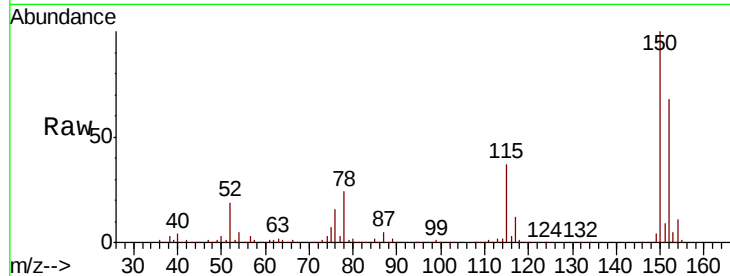
Tot Ion:152 Resp: 193464

Ion Ratio Lower Upper

152 100

115 54.4 39.0 117.0

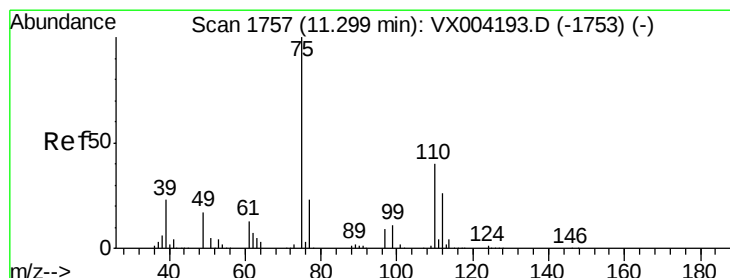
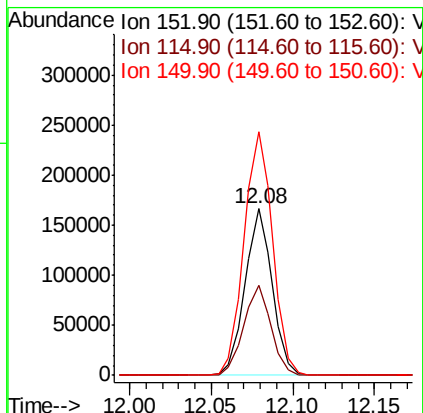
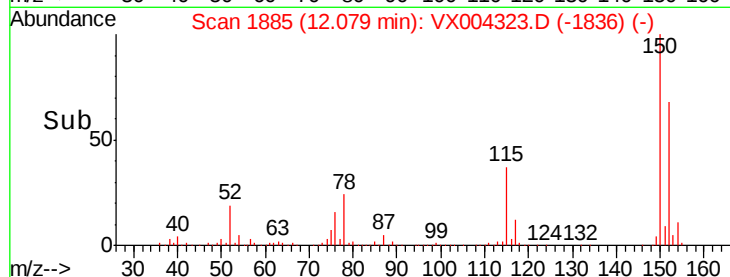
150 154.2 0.0 351.0



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: 21.98 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. -0.16 min

Lab File: VX004323.D

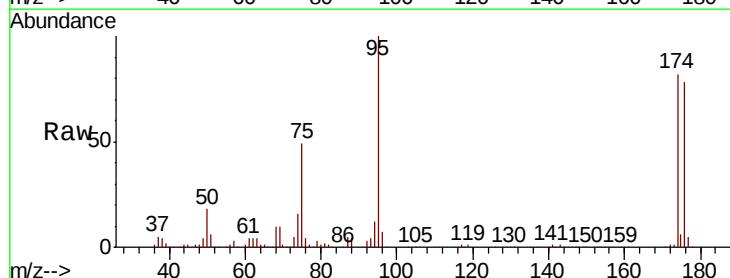
Acq: 30 Aug 2018 17:19

Tgt Ion: 75 Resp: 86468

Ion Ratio Lower Upper

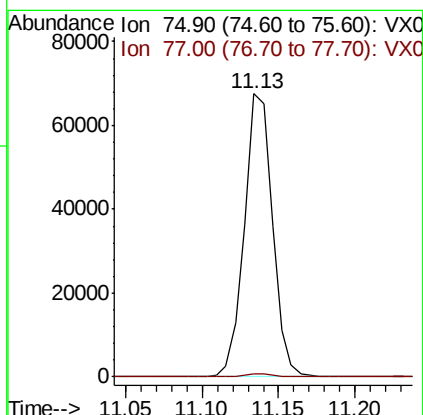
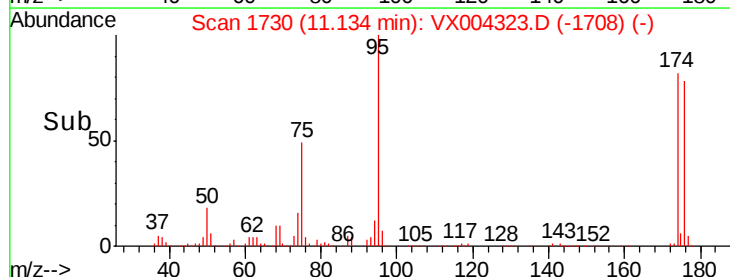
75 100

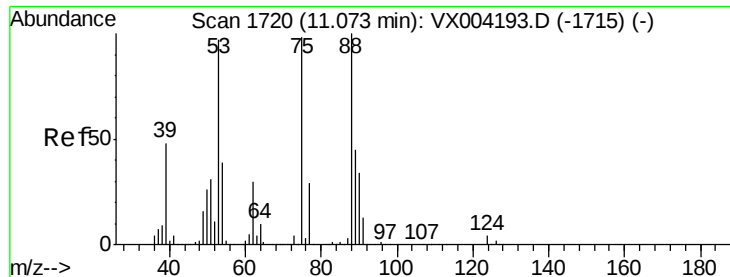
77 1.3 20.2 60.6#



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: 71.30 ug/l

RT: 11.13 min Scan# 1730

Delta R.T. 0.06 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

Instrument :

MSVOA_X

ClientSampleId :

KG-BASELINE-WATER

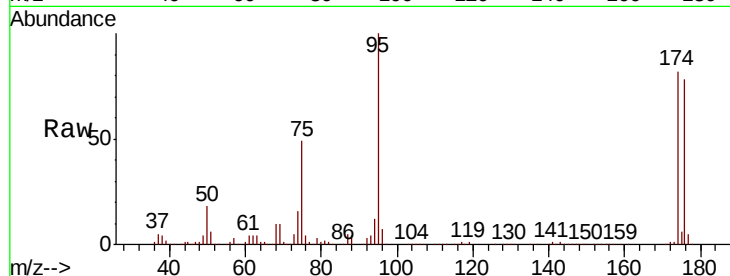
Tot Ion: 75 Resp: 86468

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

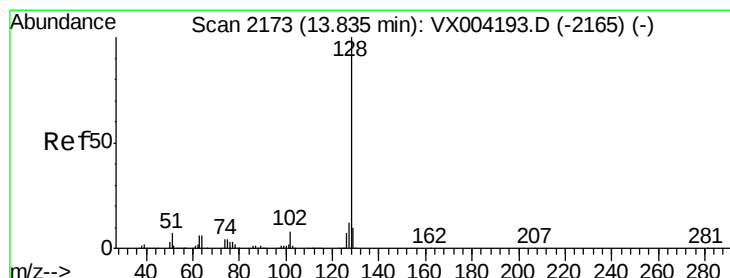
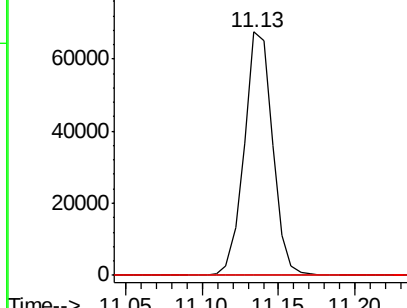
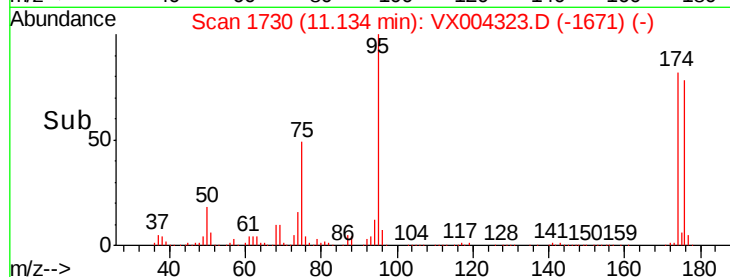
89 0.0 37.2 55.8#



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



#95

Naphthalene

Concen: 0.23 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004323.D

Acq: 30 Aug 2018 17:19

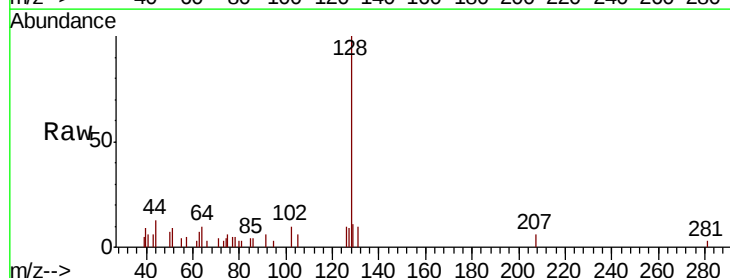
Tgt Ion:128 Resp: 2955

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 14.6 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

