

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004585.D
 Acq On : 15 Sep 2018 15:34
 Operator : JC/MD
 Sample : J4922-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK-091318

Quant Time: Sep 17 08:37:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	247815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182039	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	148497	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
35) Dibromofluoromethane	5.51	113	142639	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
50) Toluene-d8	8.72	98	486972	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	11.14	95	173752	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

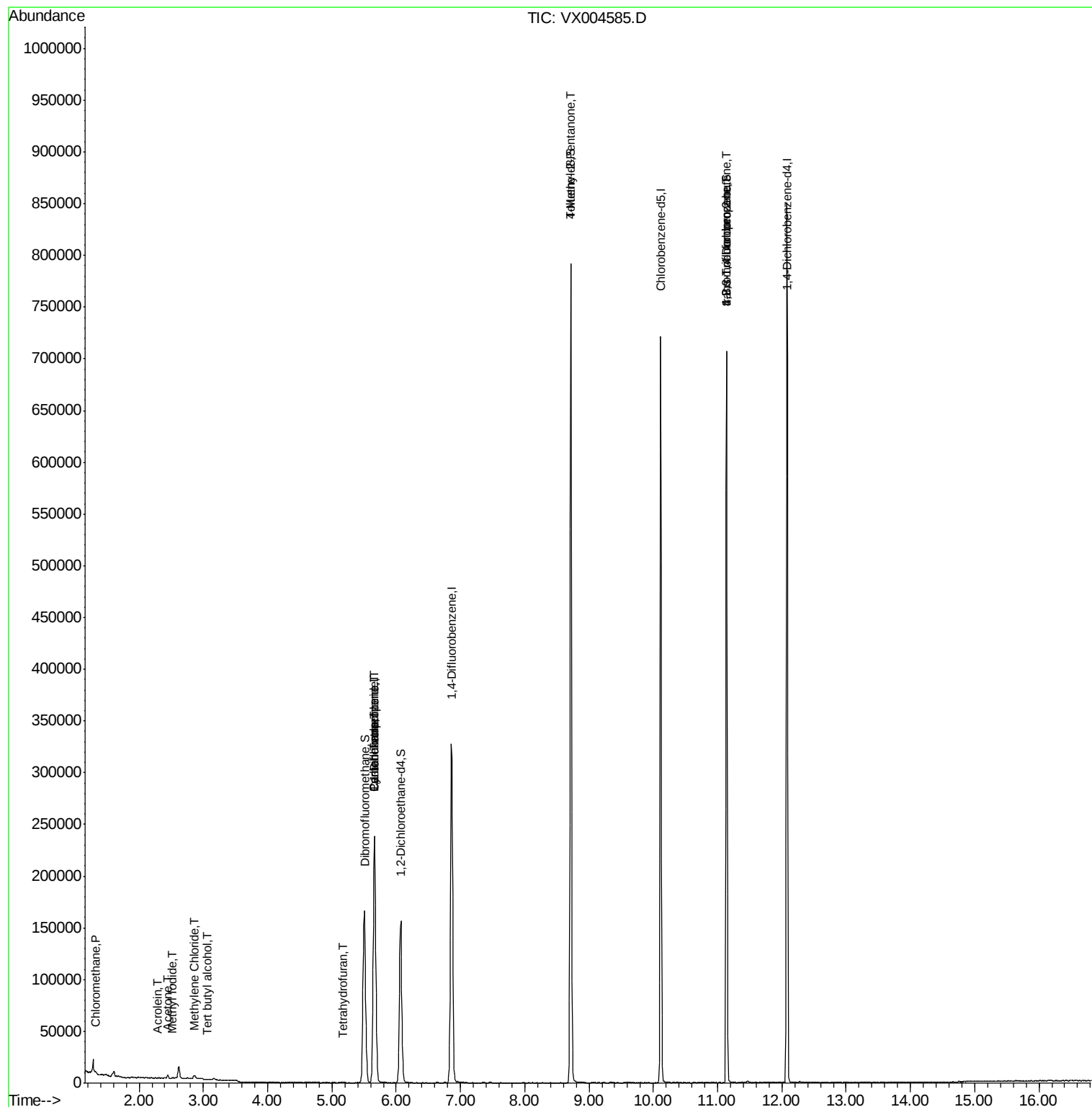
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	825	0.26	ug/l	90
5) Bromomethane	1.64	94	1033	Below Cal	#	67
10) Methyl Iodide	2.51	142	454	4.38	ug/l #	83
11) Tert butyl alcohol	3.07	59	228	0.30	ug/l #	72
13) Acrolein	2.29	56	64	0.21	ug/l #	1
16) Acetone	2.45	43	3193	2.05	ug/l	89
20) Methylene Chloride	2.85	84	1448	0.45	ug/l	88
29) Tetrahydrofuran	5.18	42	503	0.34	ug/l #	48
31) Cyclohexane	5.66	56	4117	0.89	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15551	3.77	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21149	5.25	ug/l #	14
51) 4-Methyl-2-Pentanone	8.71	43	1904	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	82354	22.49	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	82354	71.67	ug/l #	10

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

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Acq On : 15 Sep 2018 15:34
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Quant Time: Sep 17 08:37:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

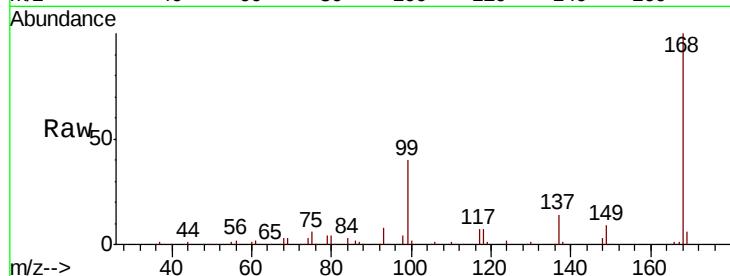
TRIP-BLANK-091318

Tot Ion:168 Resp: 247815

Ion Ratio Lower Upper

168 100

99 40.3 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

100000

80000

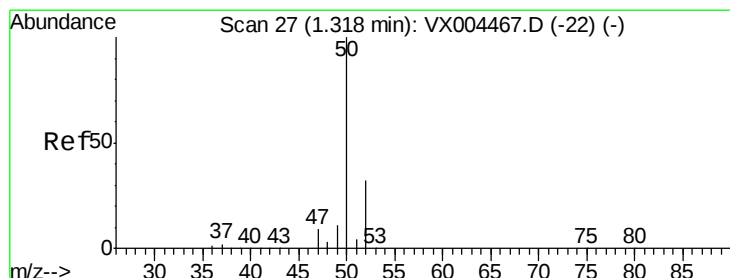
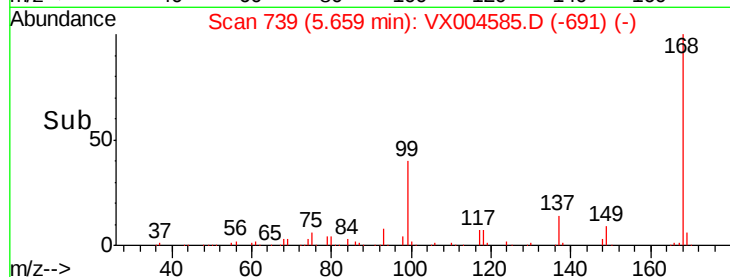
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004585.D

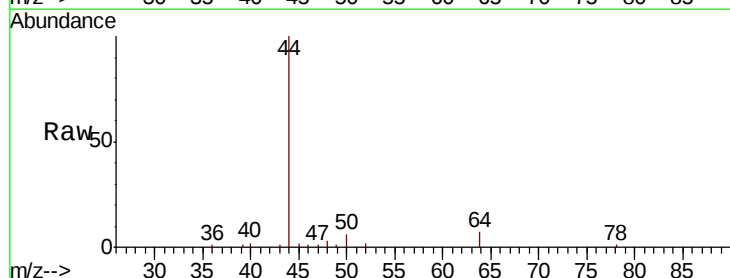
Acq: 15 Sep 2018 15:34

Tgt Ion: 50 Resp: 825

Ion Ratio Lower Upper

50 100

52 38.4 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

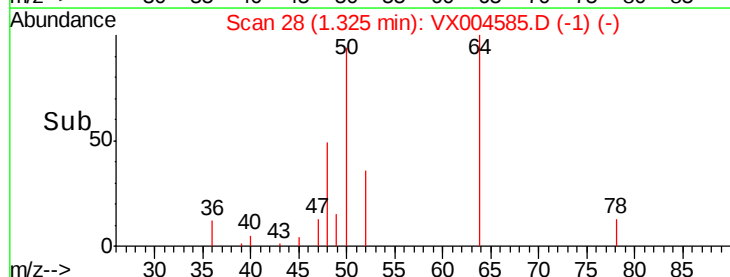
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

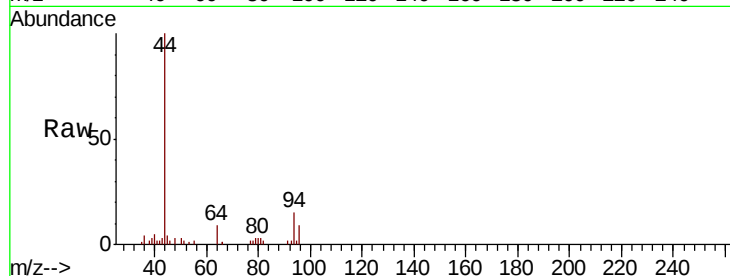
TRIP-BLANK-091318

Tot Ion: 94 Resp: 1033

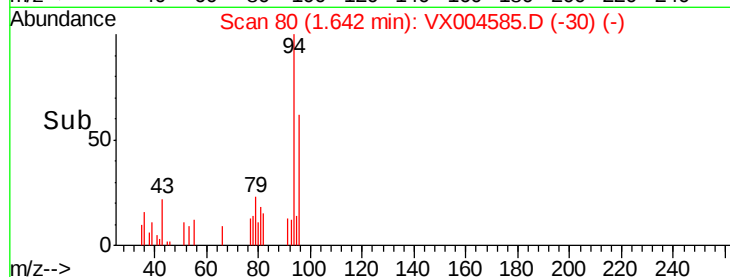
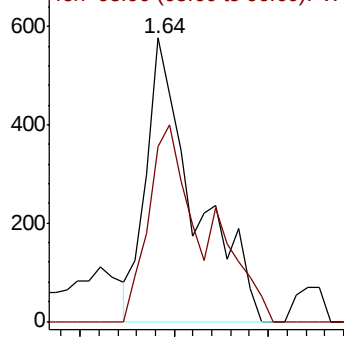
Ion Ratio Lower Upper

94 100

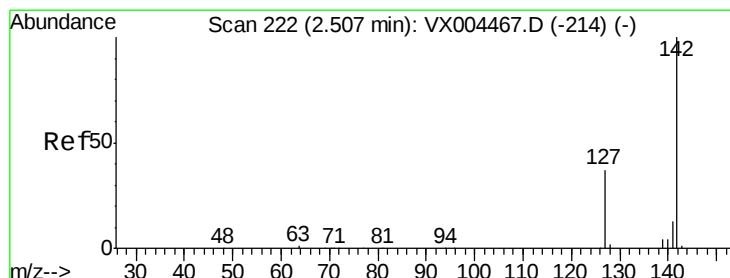
96 61.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX004467.D (-64) (-)



Time-->



#10

Methyl Iodide

Concen: 4.38 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

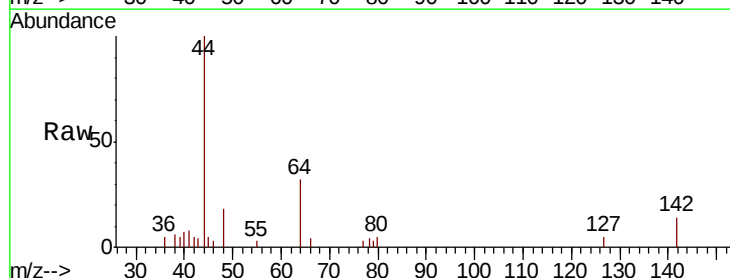
Tgt Ion: 142 Resp: 454

Ion Ratio Lower Upper

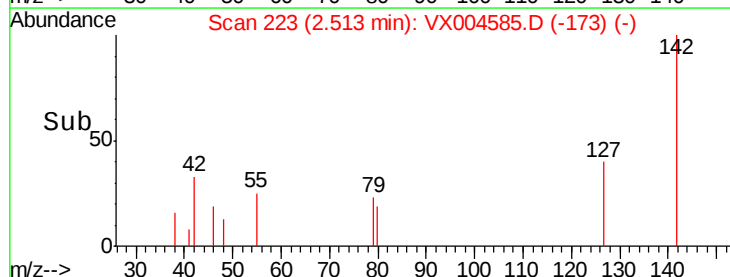
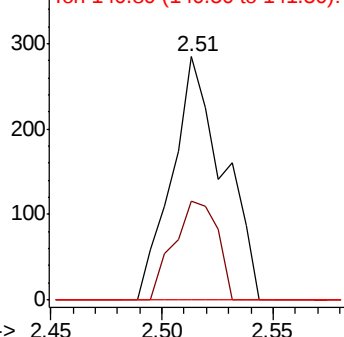
142 100

127 34.8 33.8 50.6

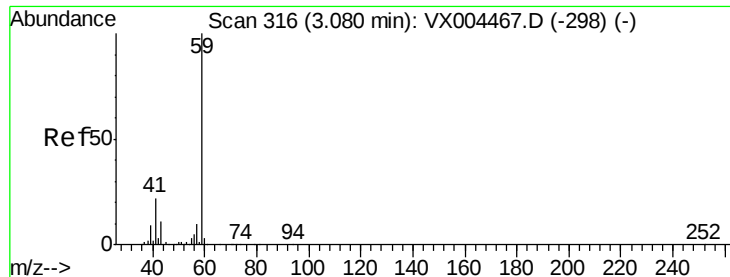
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): VX004467.D (-214) (-)



Time-->

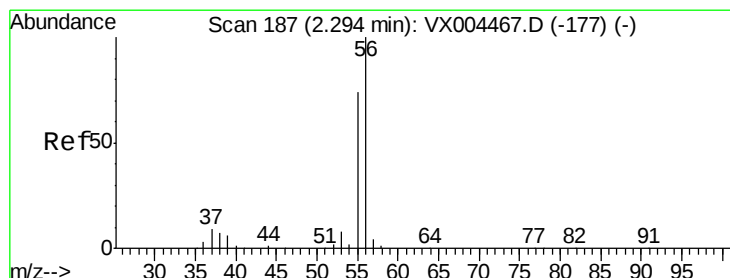
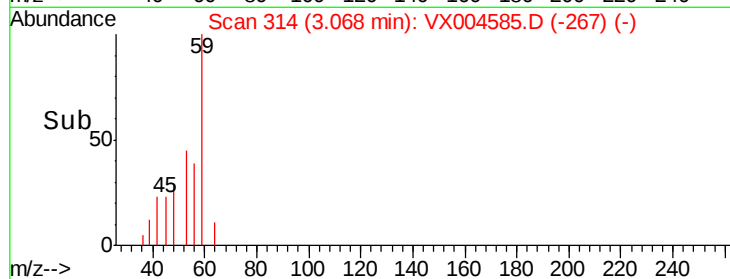
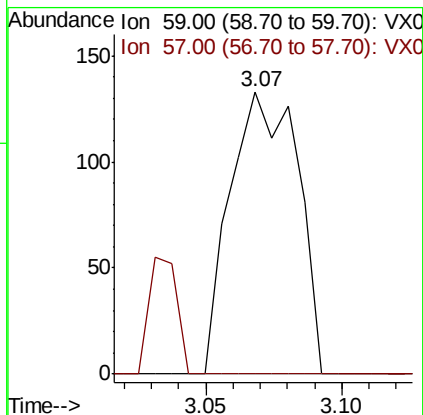
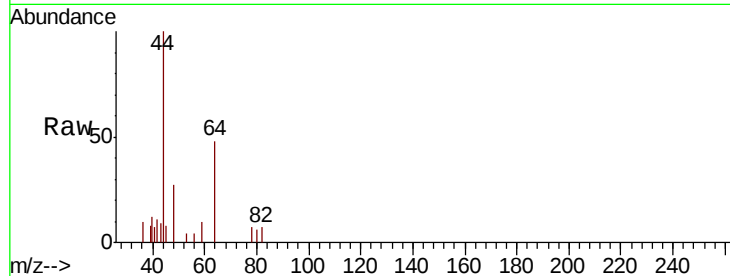


#11

Tert butvl alcohol
Concen: 0.30 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004585.D
Acq: 15 Sep 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK-091318

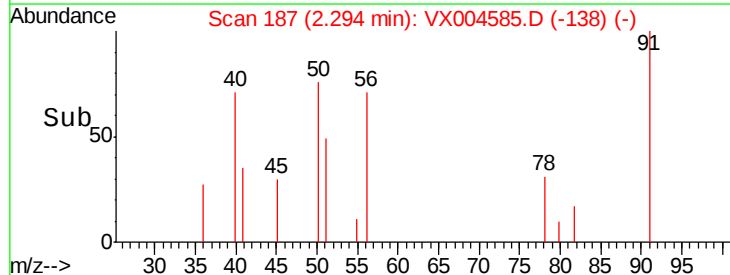
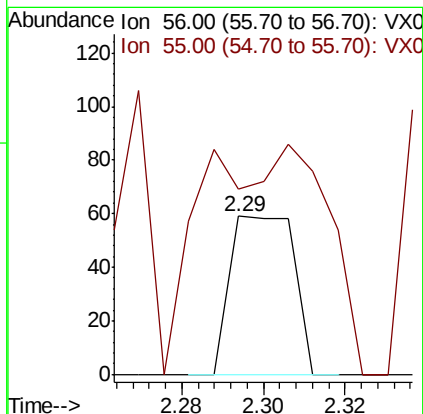
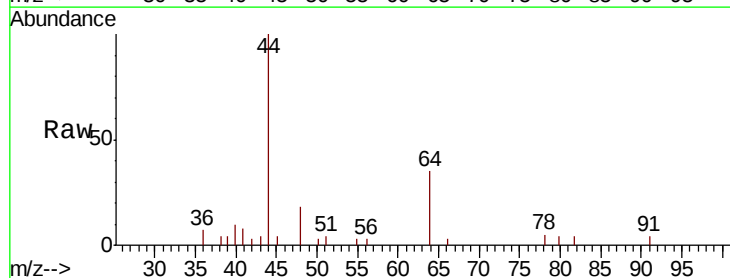
Tot Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

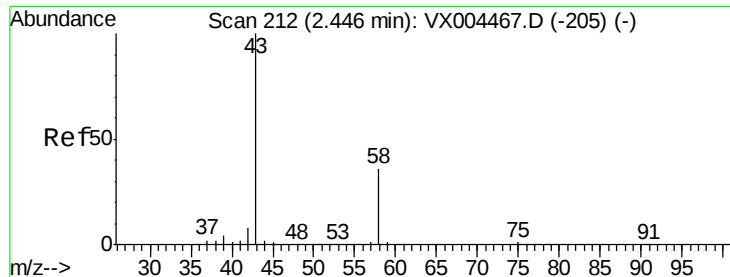


#13

Acrolein
Concen: 0.21 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004585.D
Acq: 15 Sep 2018 15:34

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 284.4 54.7 82.1#





#16

Acetone

Concen: 2.05 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

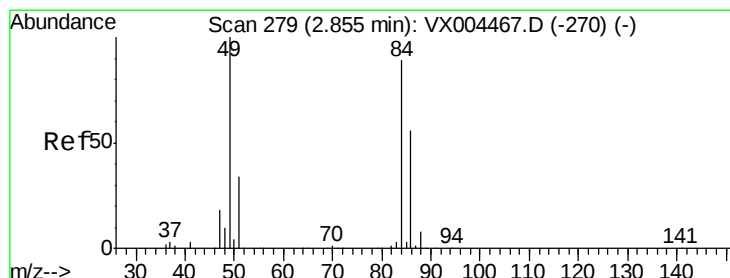
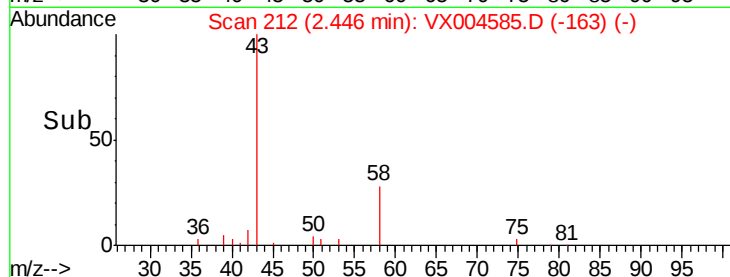
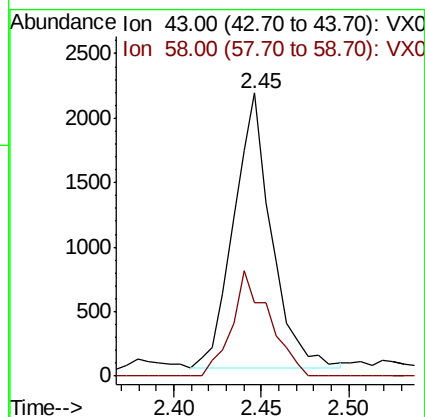
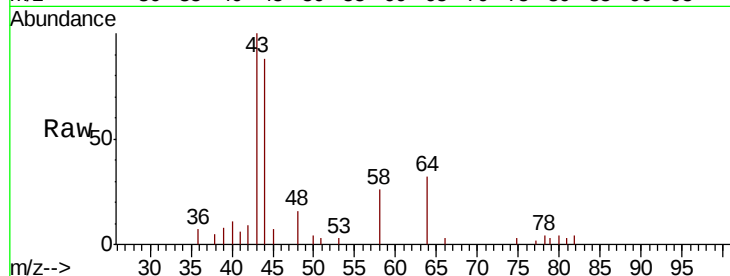
TRIP-BLANK-091318

Tot Ion: 43 Resp: 3193

Ion Ratio Lower Upper

43 100

58 26.7 26.2 39.4



#20

Methylene Chloride

Concen: 0.45 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

Tgt Ion: 84 Resp: 1448

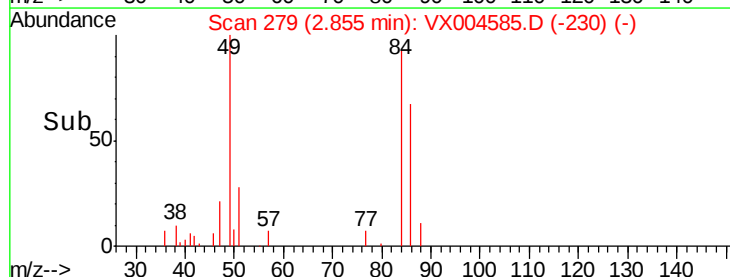
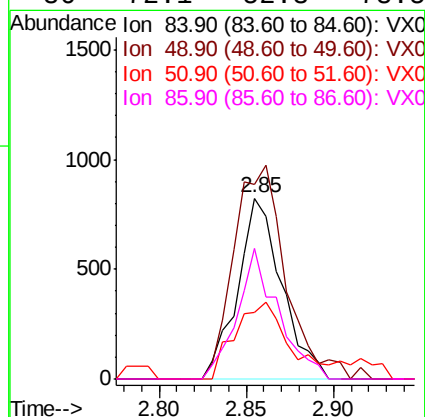
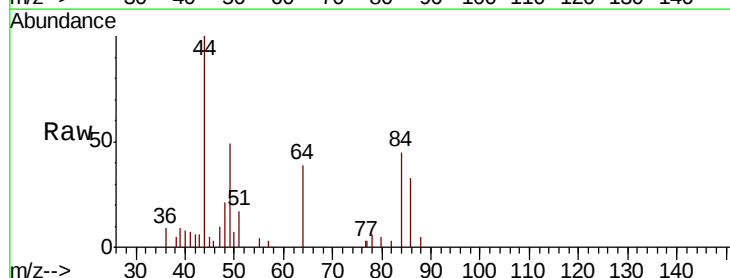
Ion Ratio Lower Upper

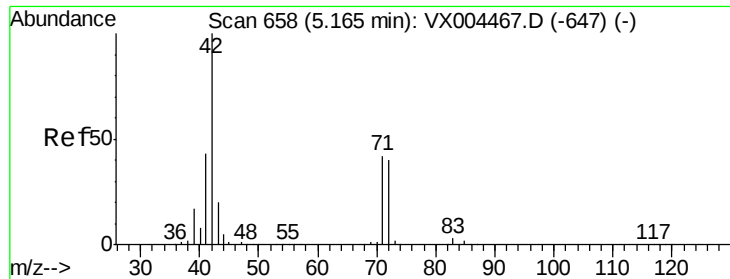
84 100

49 107.4 101.2 151.8

51 37.1 29.5 44.3

86 72.1 52.3 78.5





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK-091318

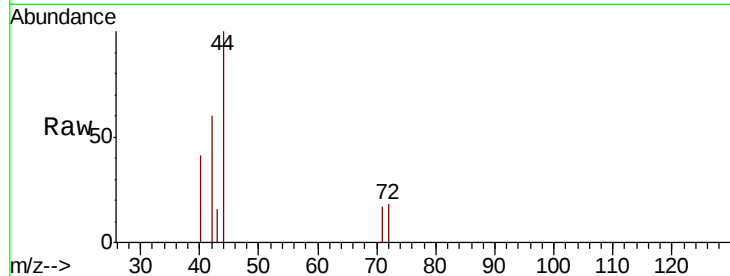
Tot Ion: 42 Resp: 503

Ion Ratio Lower Upper

42 100

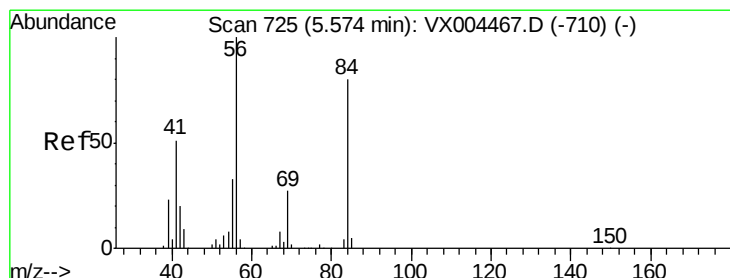
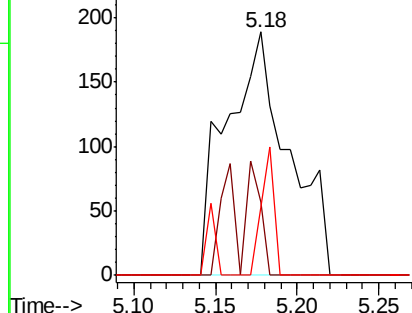
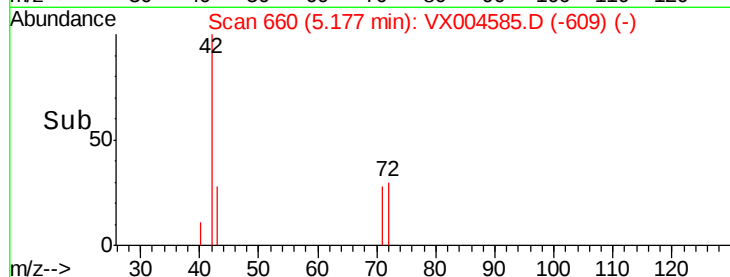
72 10.5 37.4 56.0#

71 11.1 34.5 51.7#



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

5.18



#31

Cyclohexane

Concen: 0.89 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

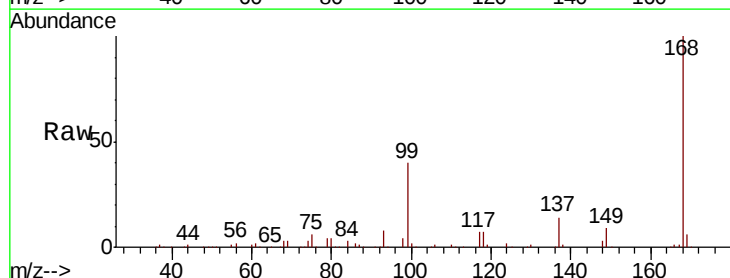
Tgt Ion: 56 Resp: 4117

Ion Ratio Lower Upper

56 100

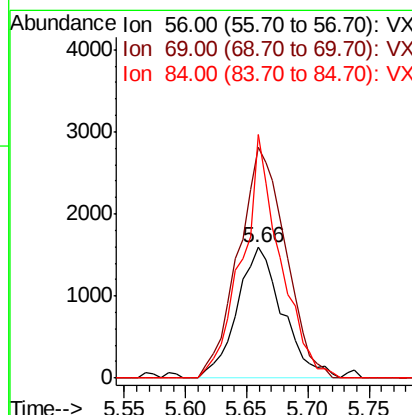
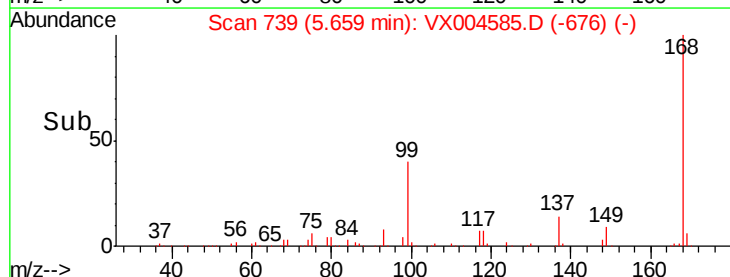
69 176.3 25.4 38.2#

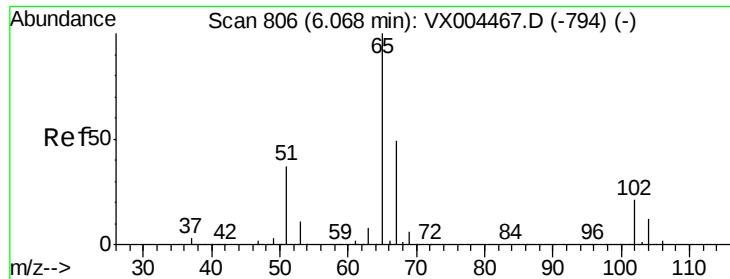
84 186.1 71.4 107.2#



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

5.66

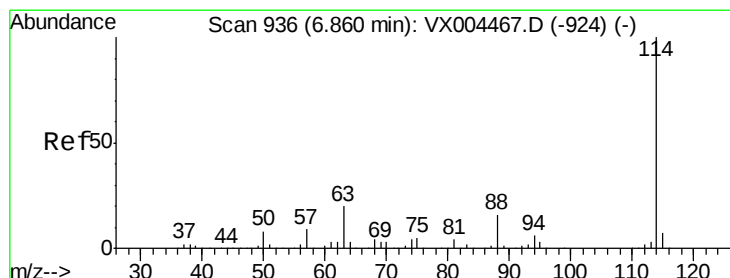
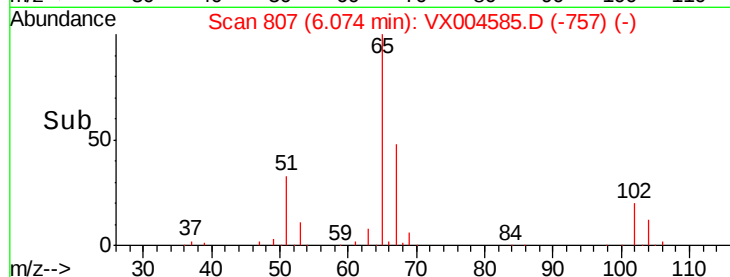
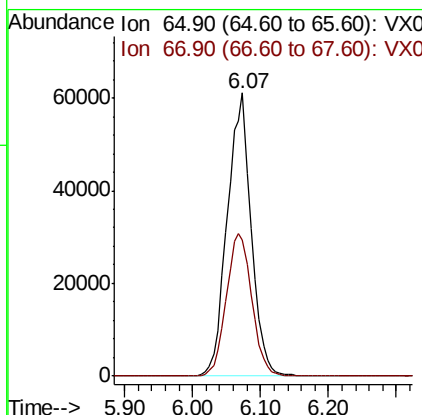
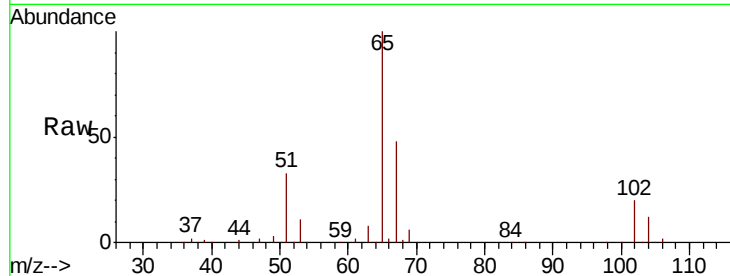




#33
 1,2-Dichloroethane-d4
 Concen: 46.47 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004585.D
 Acq: 15 Sep 2018 15:34

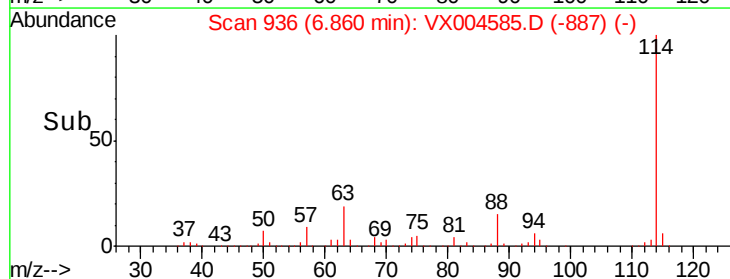
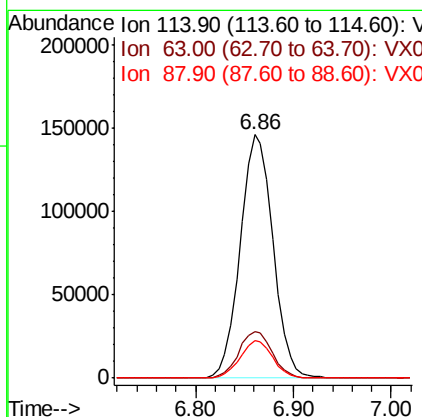
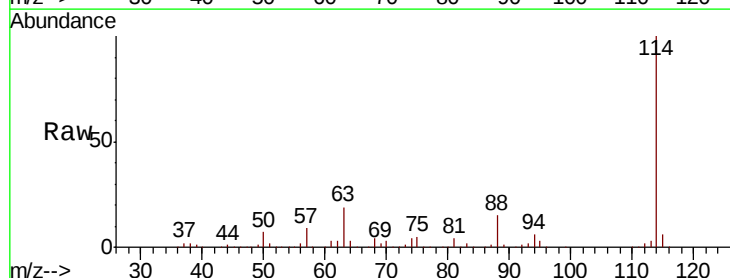
Instrument :
 MSVOA_X
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 TRIP-BLANK-091318

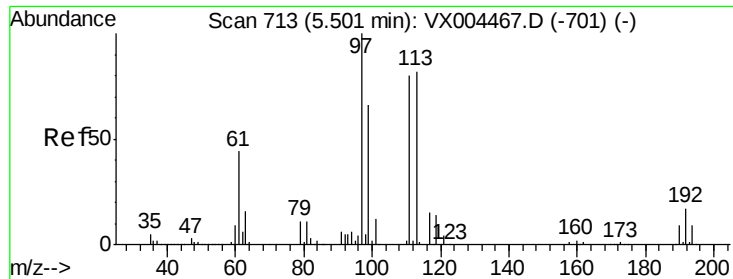
Tot Ion: 65 Resp: 148497
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004585.D
 Acq: 15 Sep 2018 15:34

Tgt Ion: 114 Resp: 339623
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 15.4 0.0 30.4

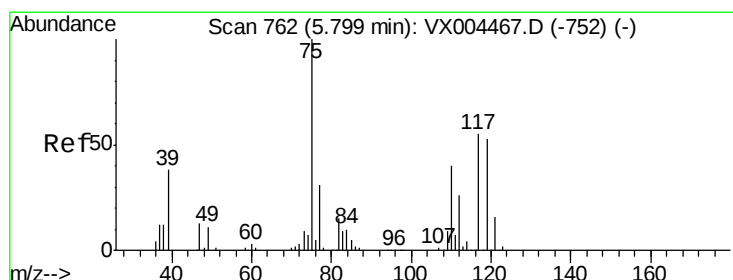
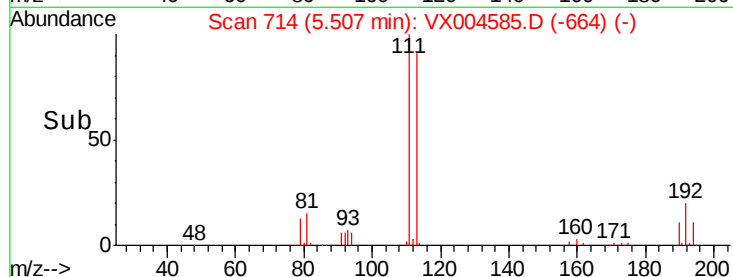
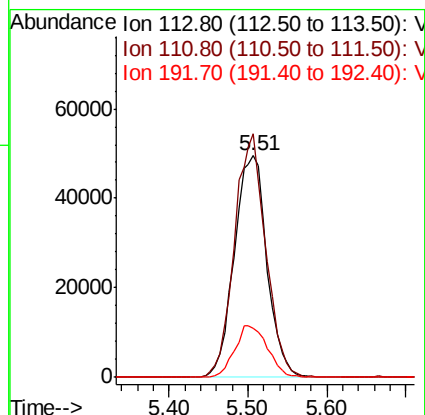
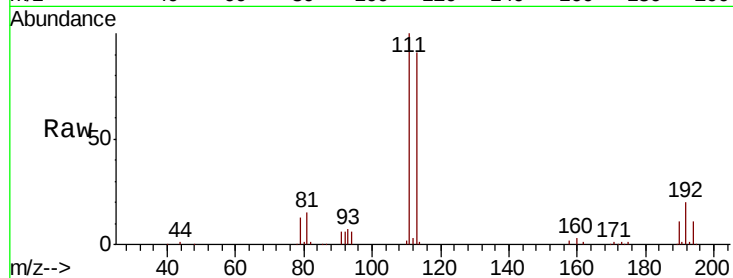




#35
 Dibromofluoromethane
 Concen: 45.90 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004585.D
 Acq: 15 Sep 2018 15:34

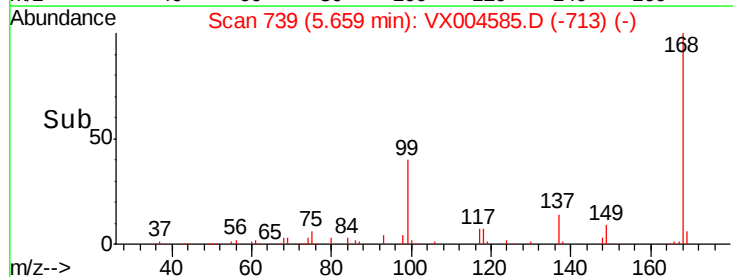
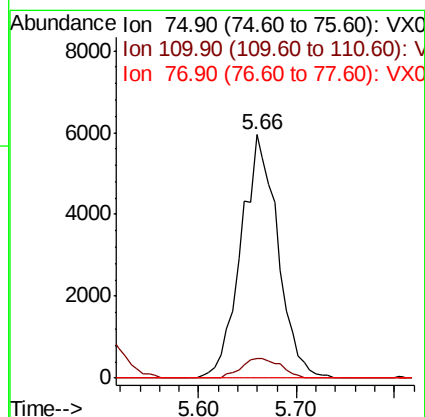
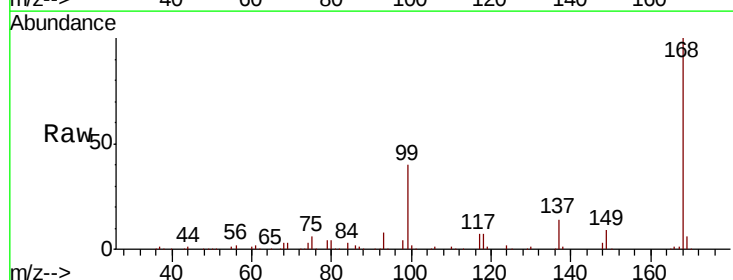
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK-091318

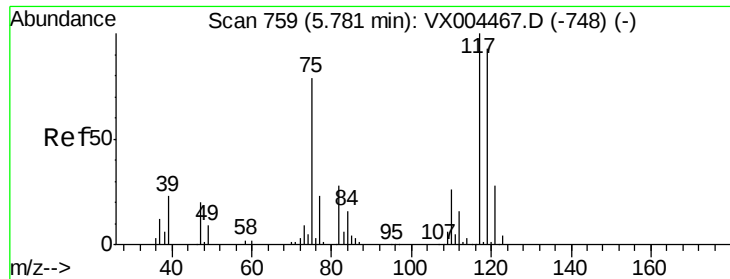
Tot Ion:113 Resp: 142639
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.4 123.6
 192 23.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004585.D
 Acq: 15 Sep 2018 15:34

Tgt Ion: 75 Resp: 15551
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.0 54.0#
 77 0.0 24.6 36.8#

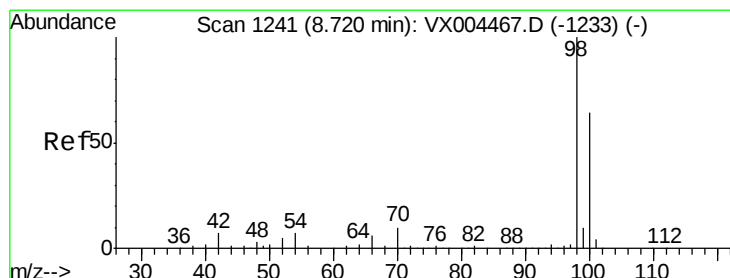
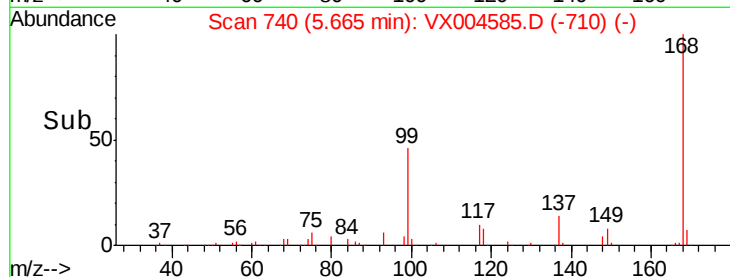
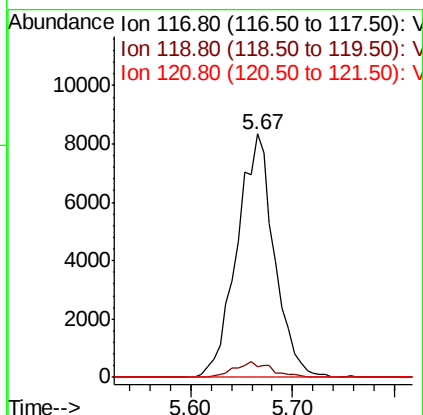
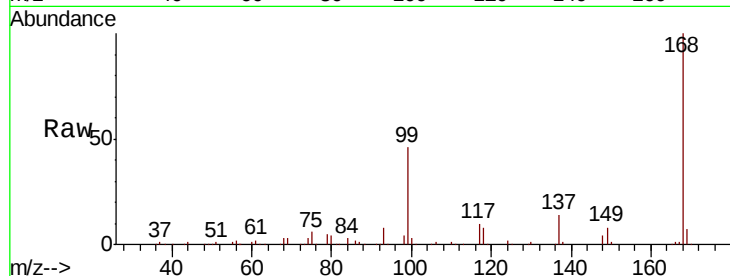




#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004585.D
Acq: 15 Sep 2018 15:34

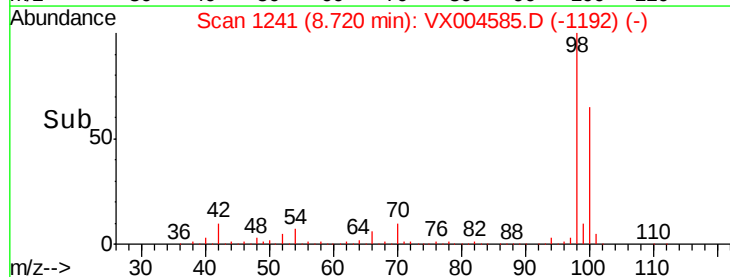
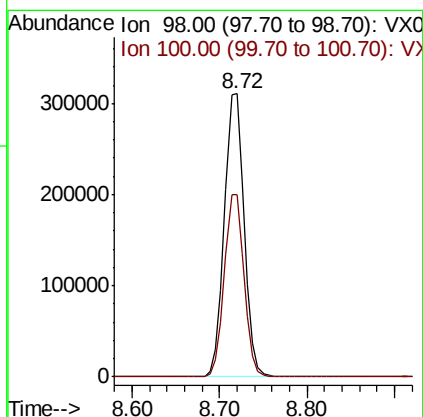
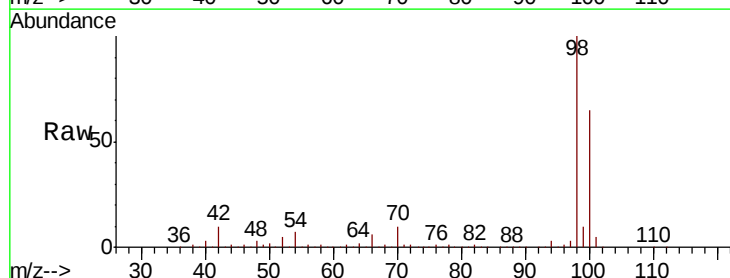
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK-091318

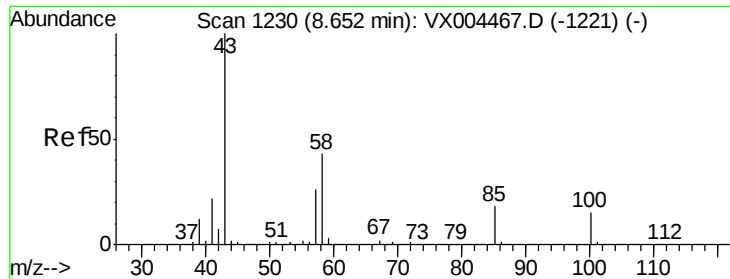
Tot Ion:117 Resp: 21149
Ion Ratio Lower Upper
117 100
119 4.4 78.8 118.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 46.72 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004585.D
Acq: 15 Sep 2018 15:34

Tgt Ion: 98 Resp: 486972
Ion Ratio Lower Upper
98 100
100 64.3 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.43 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

Instrument :

MSVOA_X

ClientSampleId :

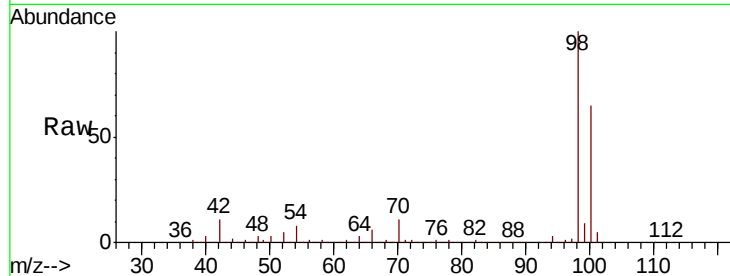
TRIP-BLANK-091318

Tot Ion: 43 Resp: 1904

Ion Ratio Lower Upper

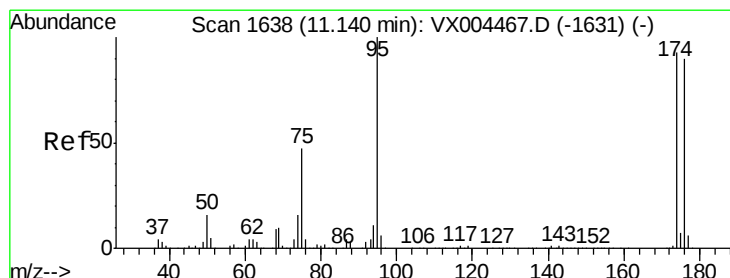
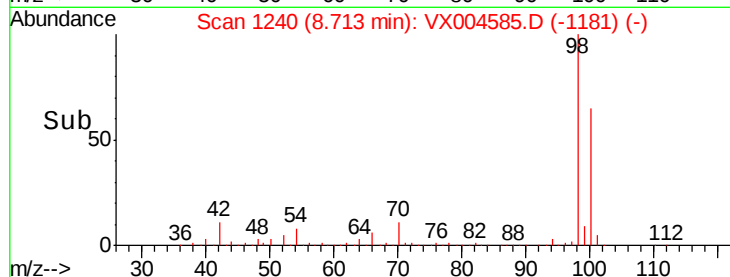
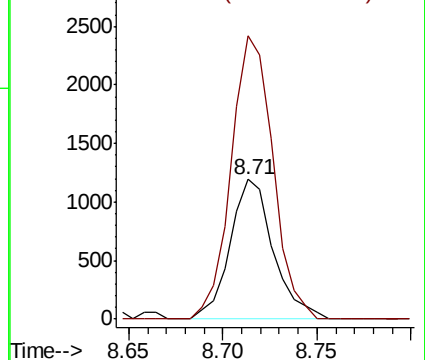
43 100

58 195.7 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.70 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004585.D

Acq: 15 Sep 2018 15:34

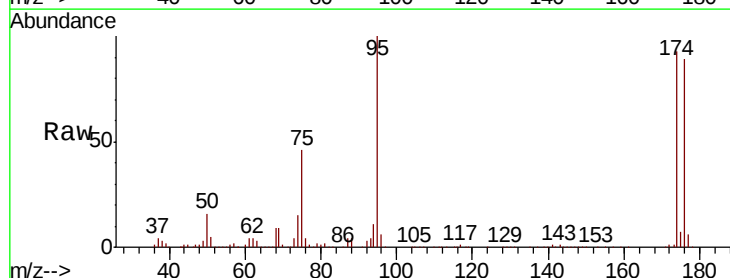
Tgt Ion: 95 Resp: 173752

Ion Ratio Lower Upper

95 100

174 92.8 0.0 185.2

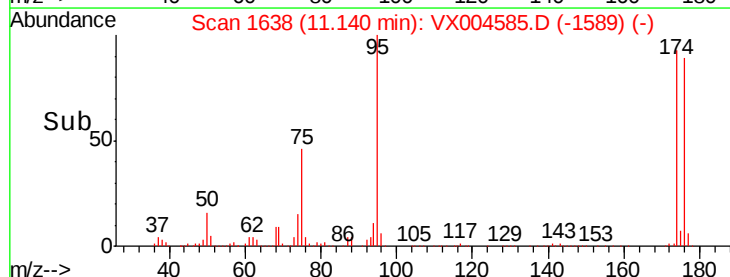
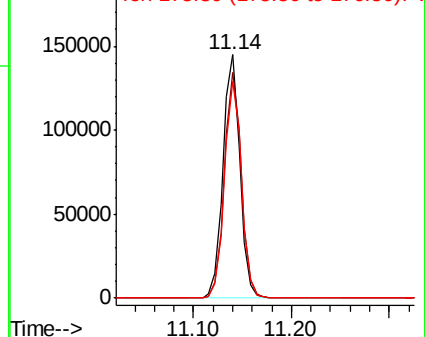
176 89.5 0.0 178.6

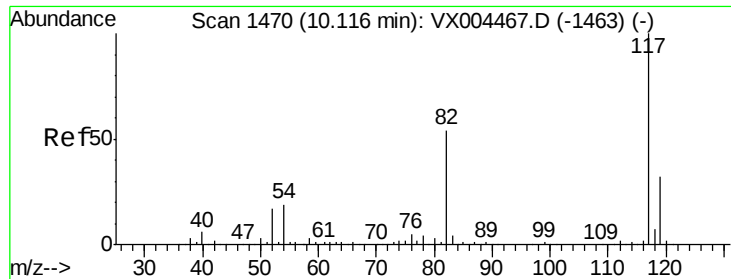


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

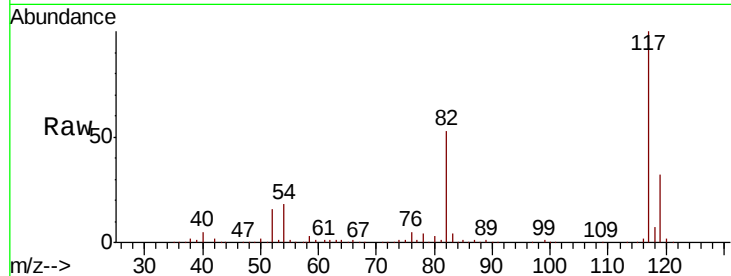




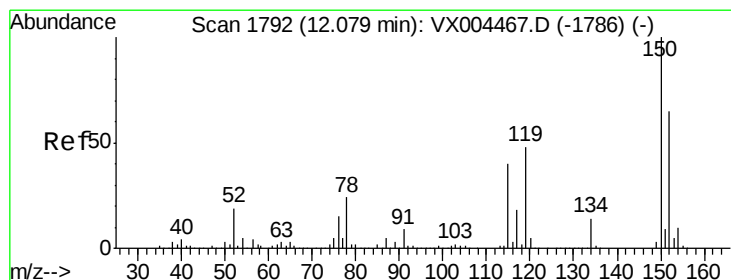
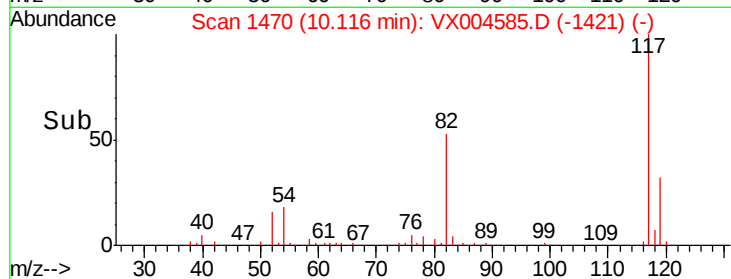
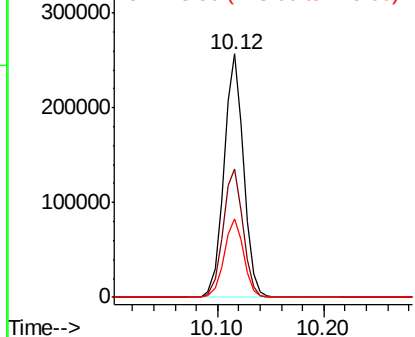
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004585.D
Acq: 15 Sep 2018 15:34

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK-091318

Tot Ion:117 Resp: 329947
Ion Ratio Lower Upper
117 100
82 52.9 47.8 71.6
119 32.1 29.3 43.9

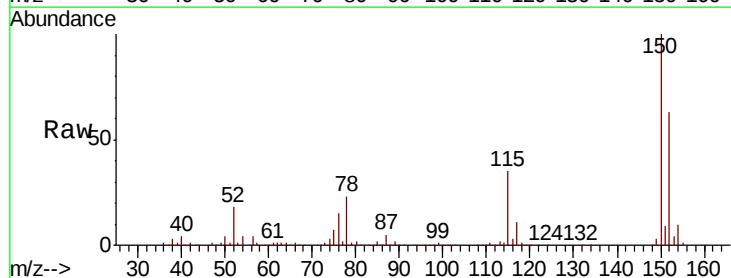


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

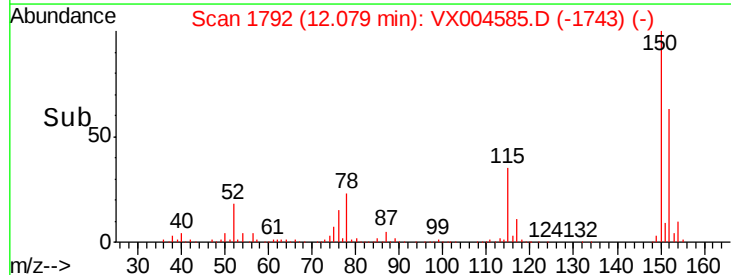
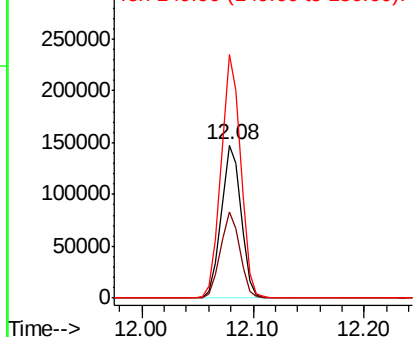


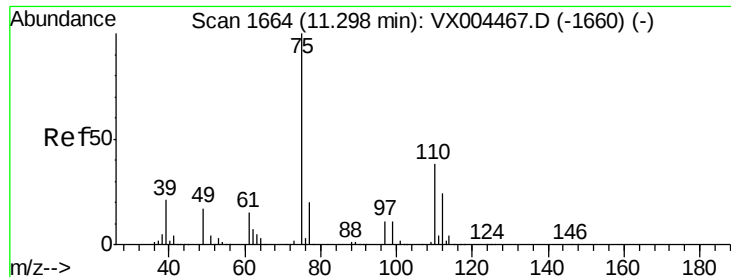
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004585.D
Acq: 15 Sep 2018 15:34

Tgt Ion:152 Resp: 182039
Ion Ratio Lower Upper
152 100
115 55.6 39.0 117.0
150 157.4 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

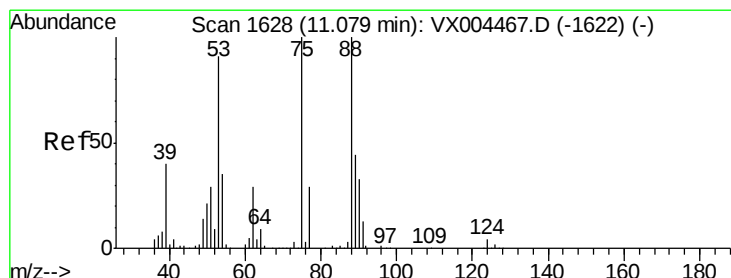
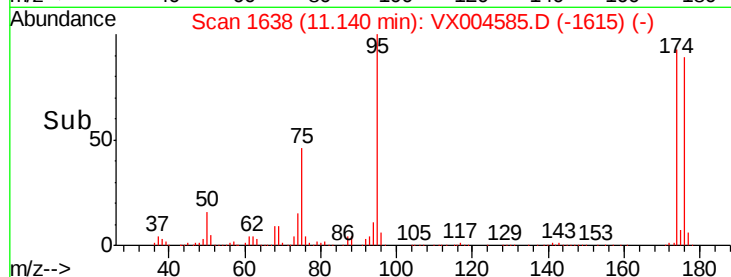
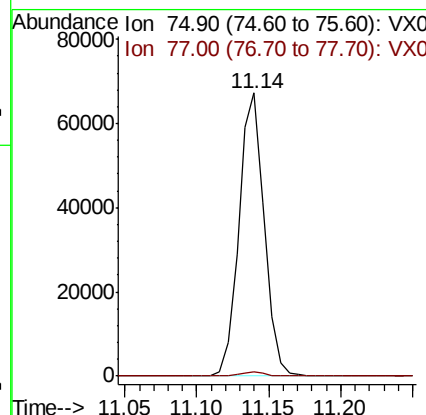
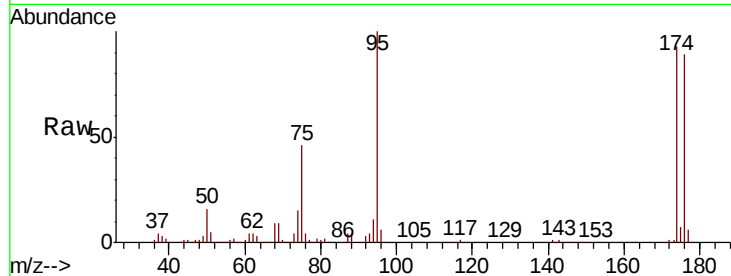




#76
 1,2,3-Trichloropropane
 Concen: 22.49 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004585.D
 Acq: 15 Sep 2018 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK-091318

Tot Ion: 75 Resp: 82354
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.67 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004585.D
 Acq: 15 Sep 2018 15:34

Tgt Ion: 75 Resp: 82354
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 37.2 55.8#

