

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004679.D
 Acq On : 19 Sep 2018 01:36
 Operator : JC/MD
 Sample : J4938-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANKS

Quant Time: Sep 19 05:43:31 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	263478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228546	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	165636	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	5.50	113	153075	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
50) Toluene-d8	8.72	98	499697	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	
62) 4-Bromofluorobenzene	11.14	95	179351	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	

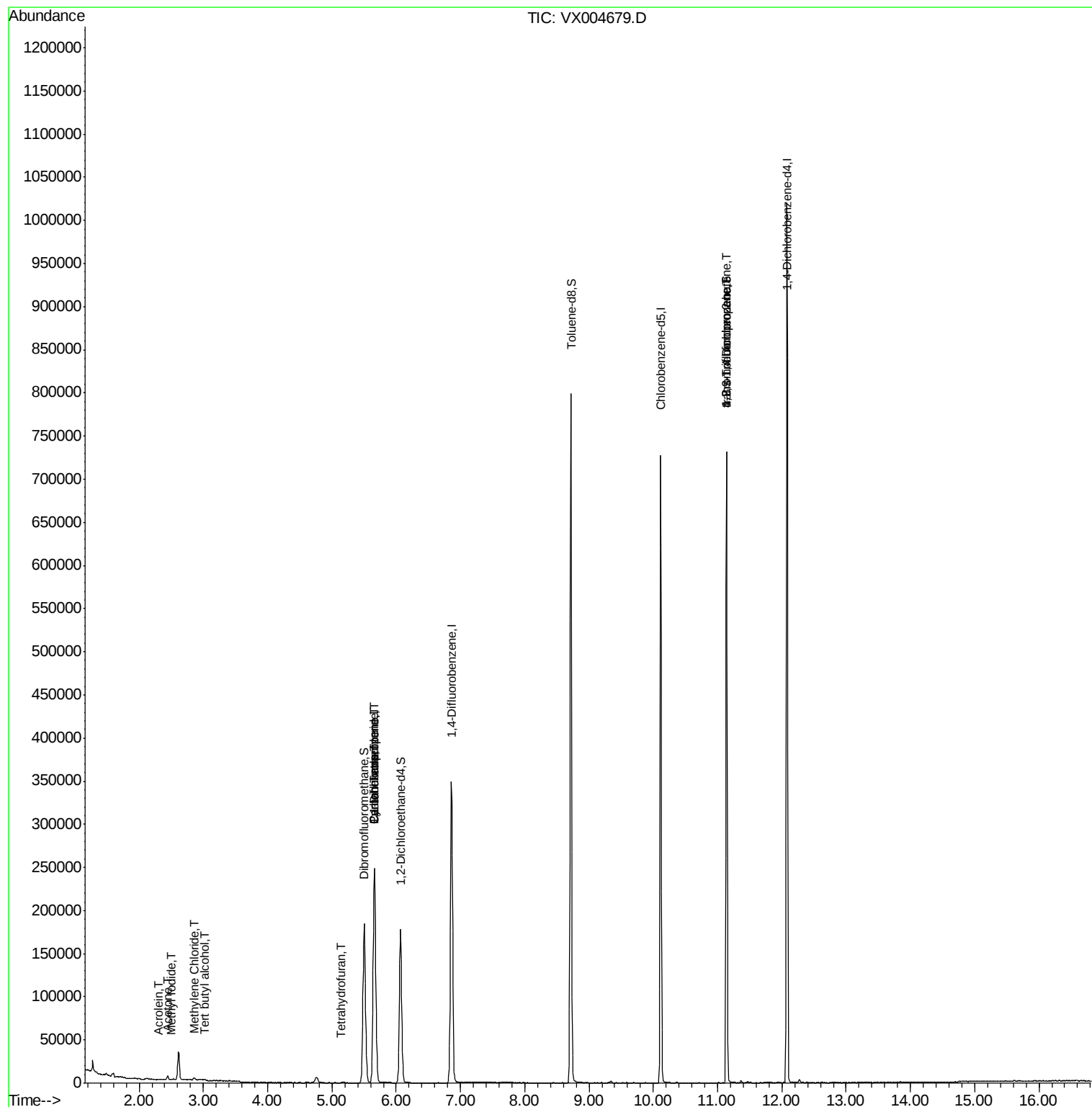
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	643	Below Cal		87
10) Methyl Iodide	2.51	142	557	4.402	ug/l #	87
11) Tert butyl alcohol	3.02	59	1100	1.357	ug/l #	72
13) Acrolein	2.29	56	80	0.250	ug/l	93
16) Acetone	2.45	43	4153	2.505	ug/l	96
20) Methylene Chloride	2.85	84	983	0.289	ug/l #	93
29) Tetrahydrofuran	5.15	42	531	0.334	ug/l #	31
31) Cyclohexane	5.66	56	3852	0.784	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16430	3.655	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22747	5.182	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	82681	17.981	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	82681	57.315	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004679.D

Acq: 19 Sep 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

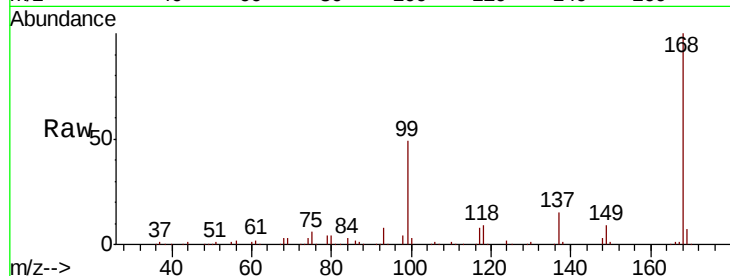
FIELD-BLANKS

Tgt Ion:168 Resp: 263478

Ion Ratio Lower Upper

168 100

99 49.0 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

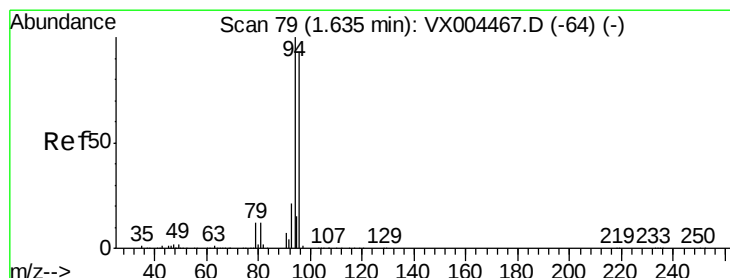
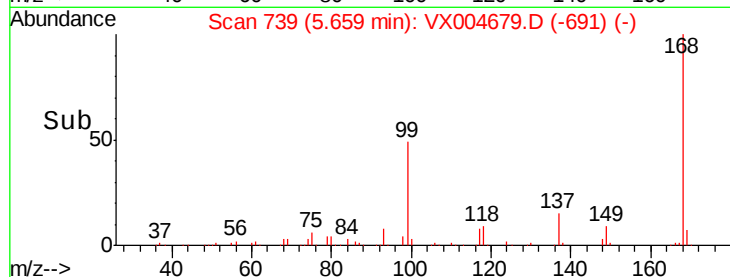
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004679.D

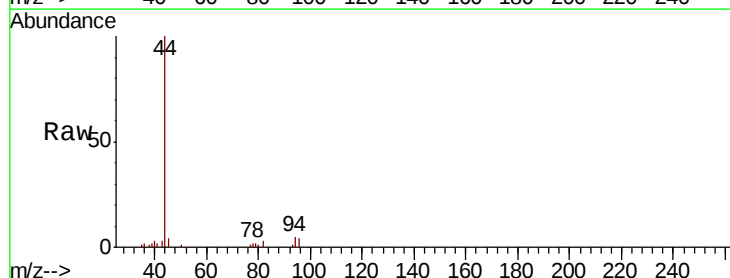
Acq: 19 Sep 2018 01:36

Tgt Ion: 94 Resp: 643

Ion Ratio Lower Upper

94 100

96 81.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

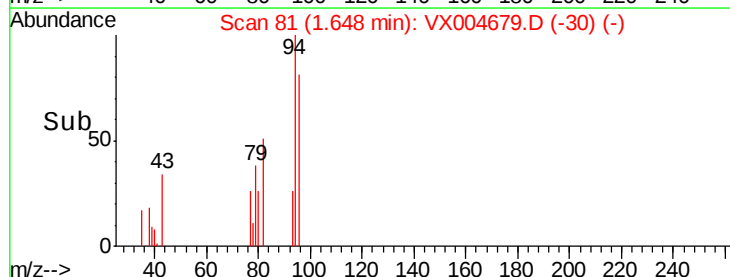
200

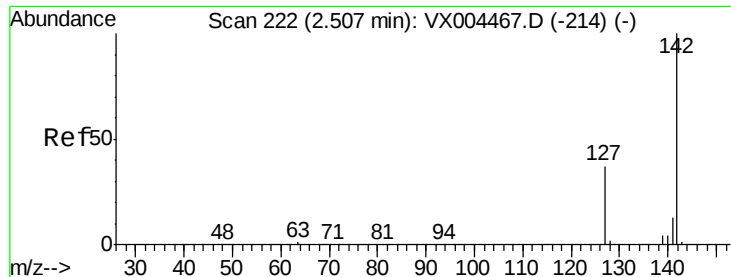
100

0

Time-->

1.60 1.65 1.70

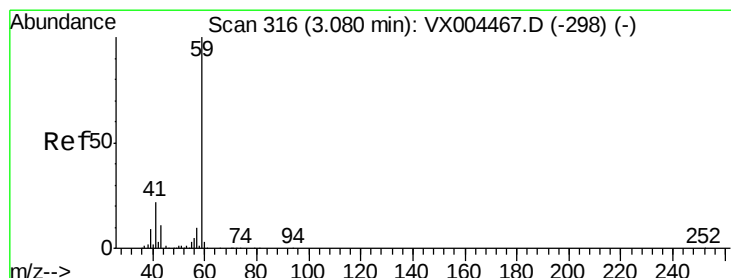
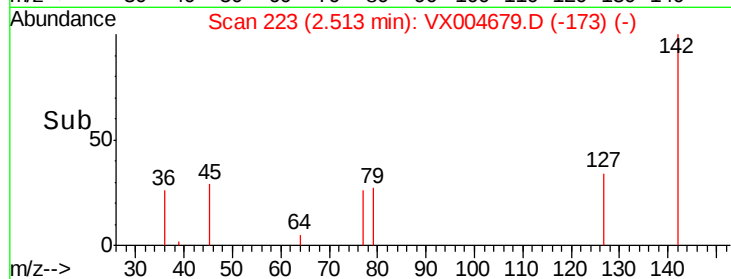
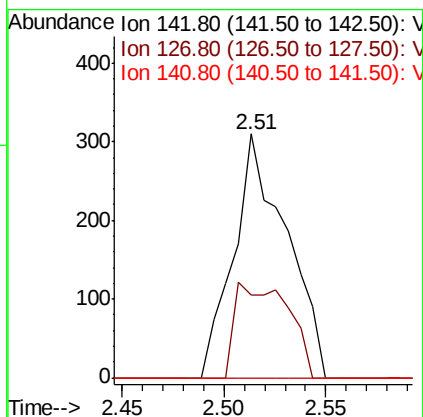
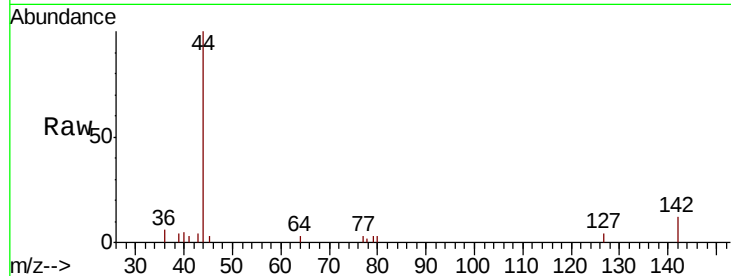




#10
Methyl Iodide
Concen: 4.402 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

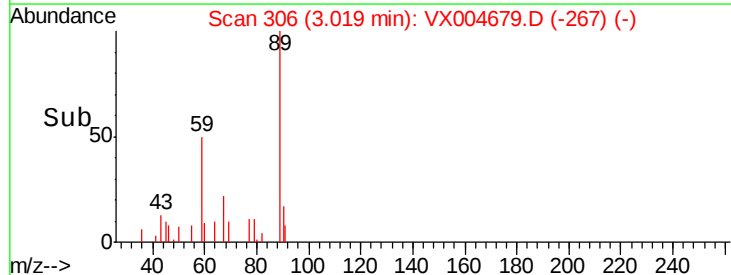
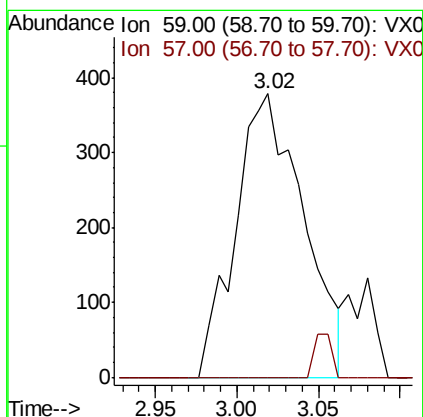
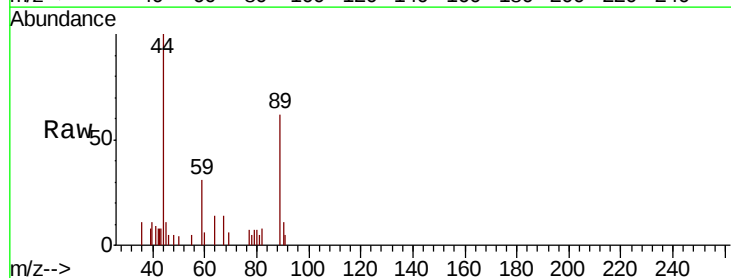
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANKS

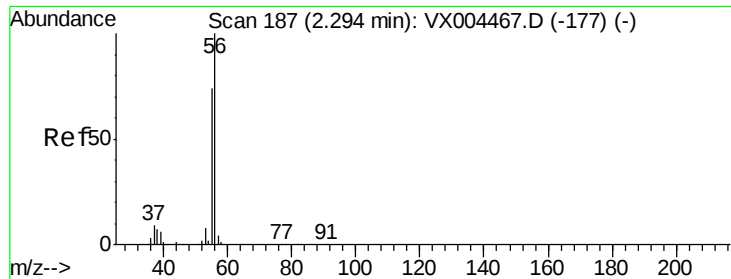
Tgt Ion: 142 Resp: 557
Ion Ratio Lower Upper
142 100
127 39.0 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.357 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

Tgt Ion: 59 Resp: 1100
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.250 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004679.D

Acq: 19 Sep 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

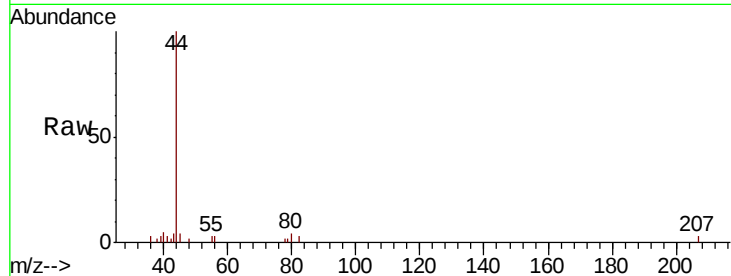
FIELD-BLANKS

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

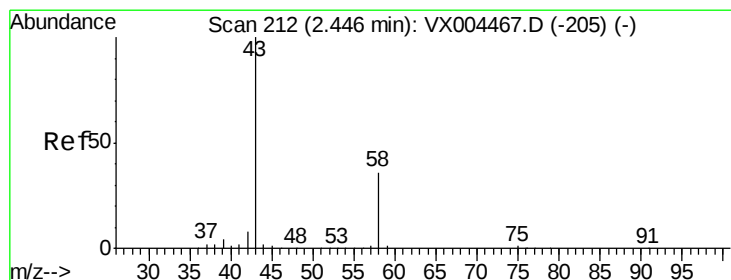
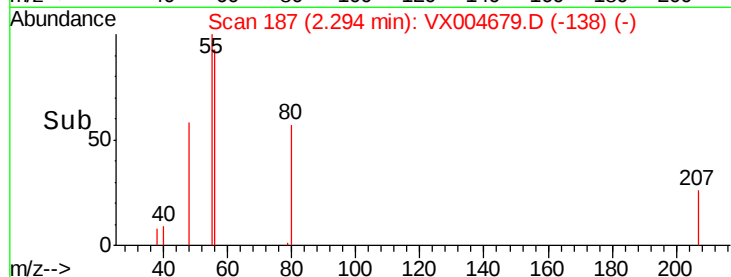
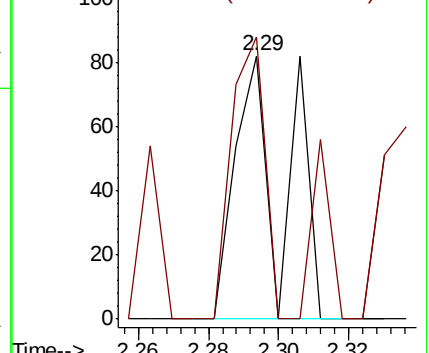
56 100

55 73.8 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.505 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004679.D

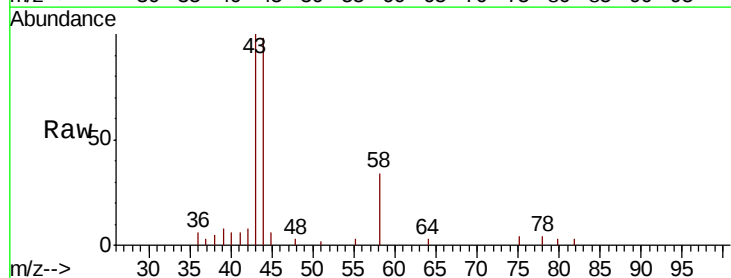
Acq: 19 Sep 2018 01:36

Tgt Ion: 43 Resp: 4153

Ion Ratio Lower Upper

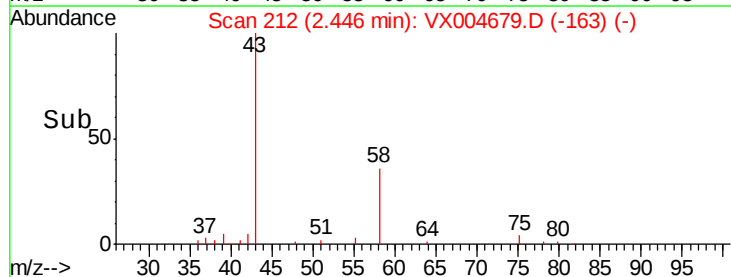
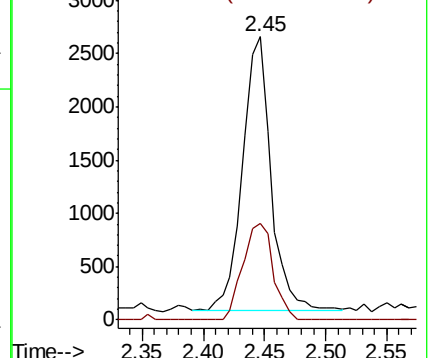
43 100

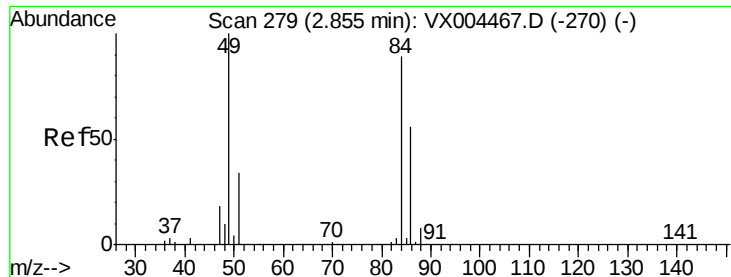
58 35.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

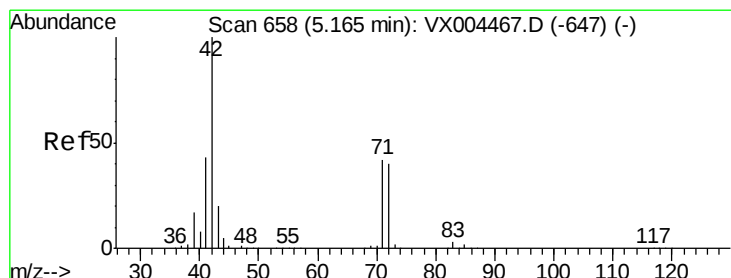
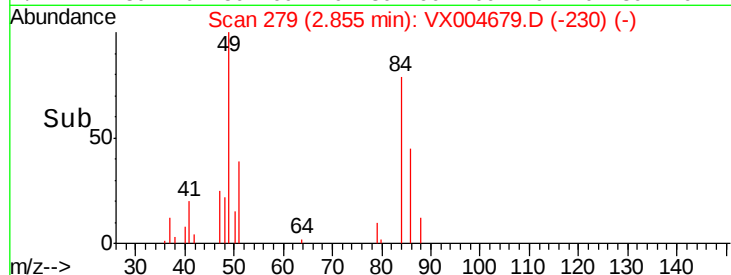
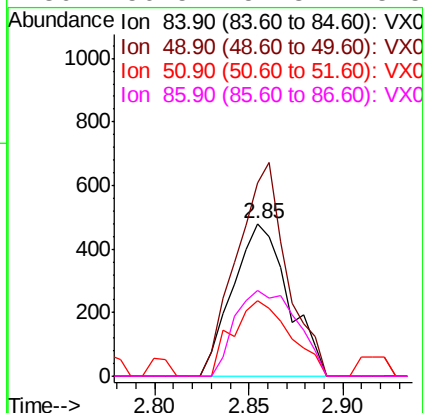
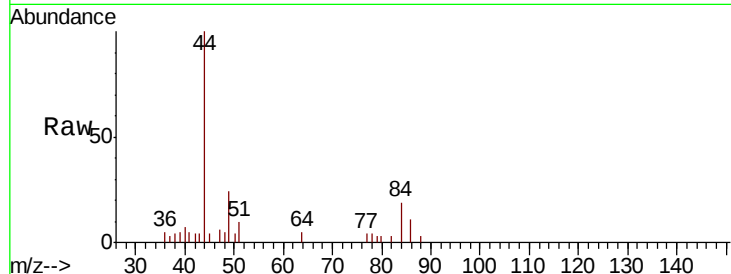




#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

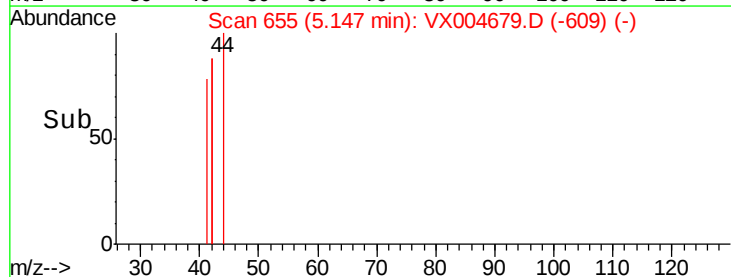
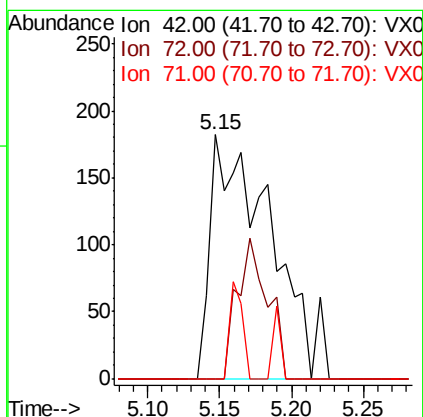
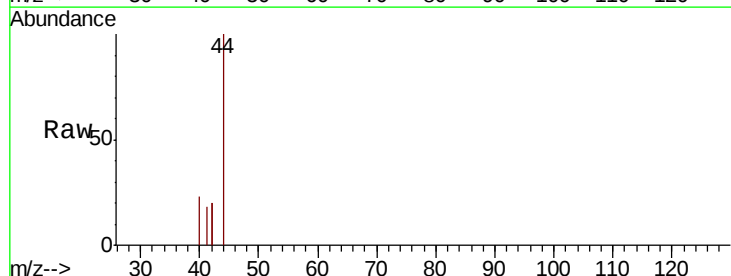
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANKS

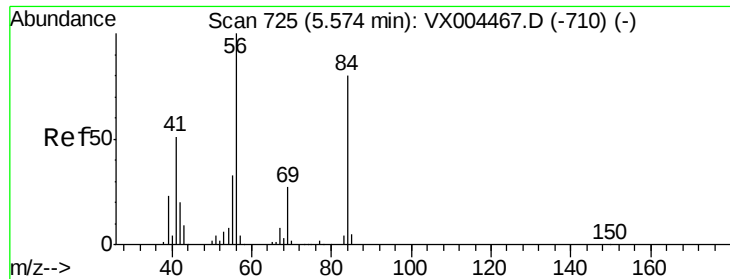
Tgt Ion: 84 Resp: 983
Ion Ratio Lower Upper
84 100
49 126.5 101.2 151.8
51 49.6 29.5 44.3#
86 56.5 52.3 78.5



#29
Tetrahydrofuran
Concen: 0.334 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.02 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

Tgt Ion: 42 Resp: 531
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 0.0 34.5 51.7#

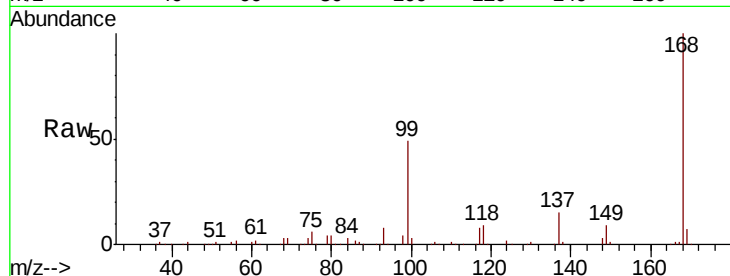




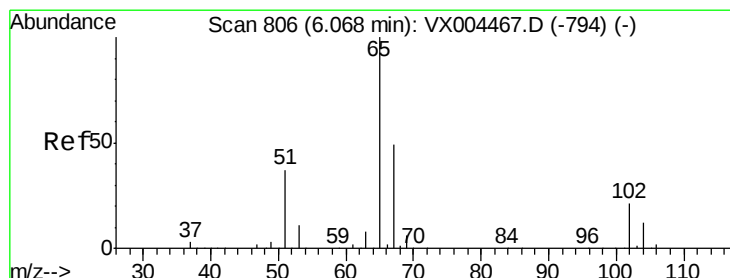
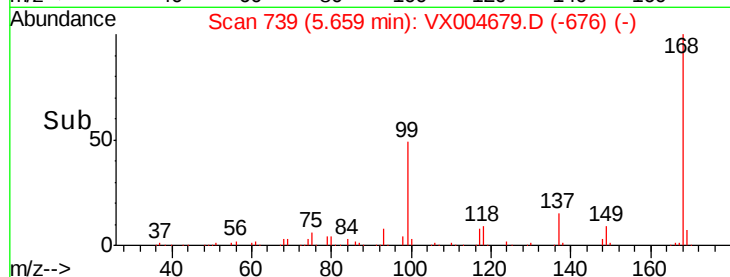
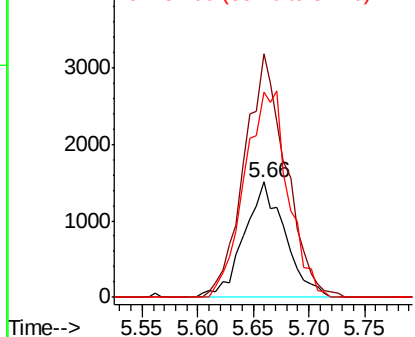
#31
Cyclohexane
Concen: 0.784 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANKS

Tgt Ion: 56 Resp: 3852
Ion Ratio Lower Upper
56 100
69 211.6 25.4 38.2#
84 178.5 71.4 107.2#

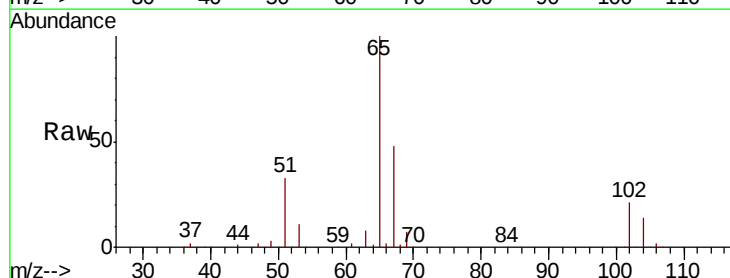


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

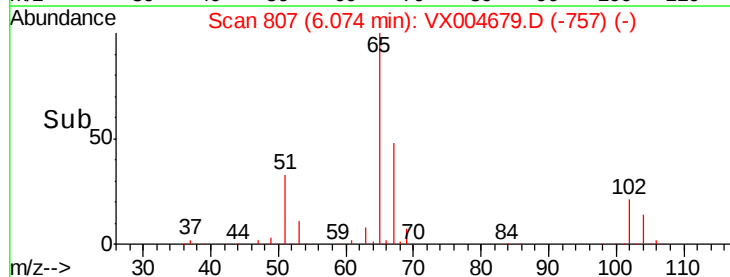
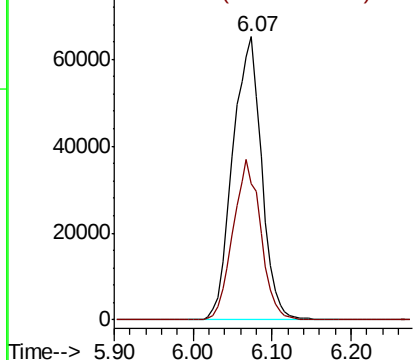


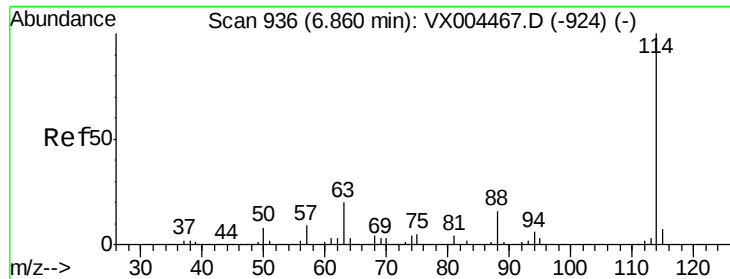
#33
1,2-Dichloroethane-d4
Concen: 48.755 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

Tgt Ion: 65 Resp: 165636
Ion Ratio Lower Upper
65 100
67 54.5 0.0 106.8



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

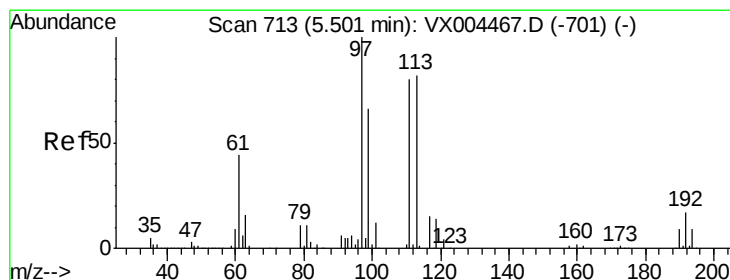
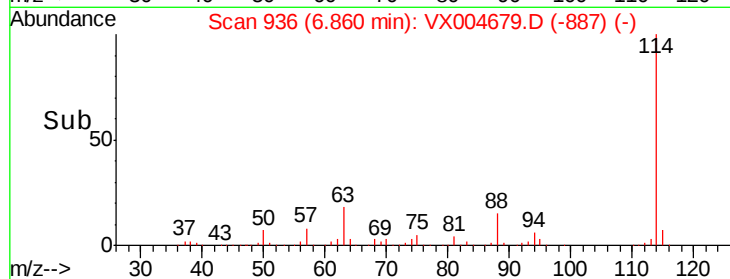
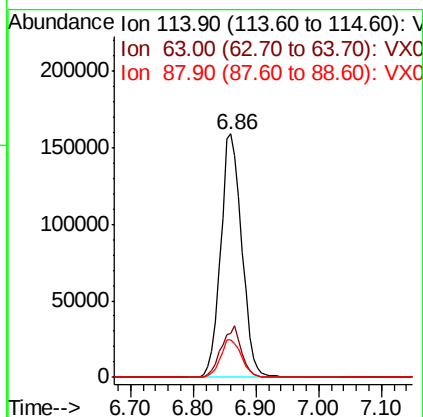
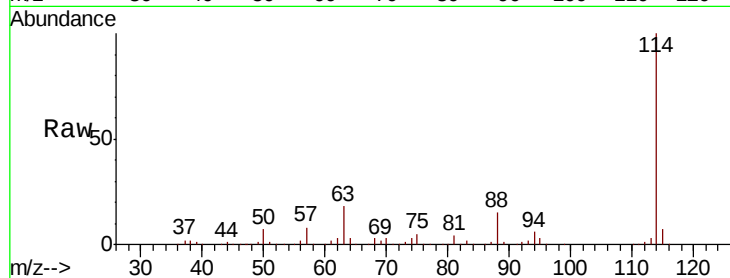




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004679.D
 Acq: 19 Sep 2018 01:36

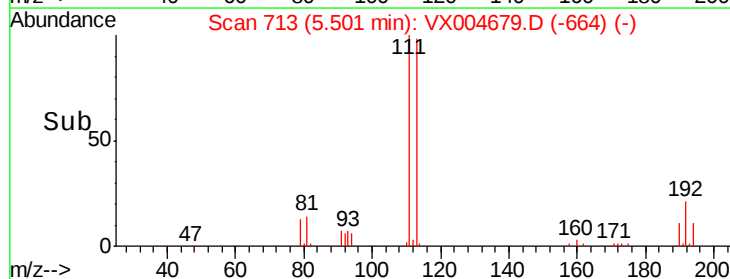
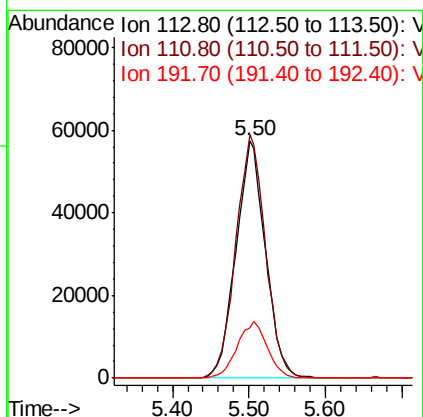
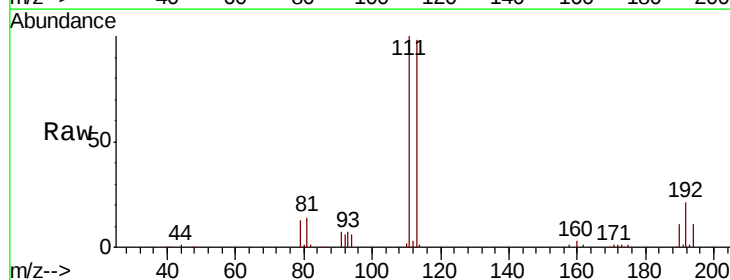
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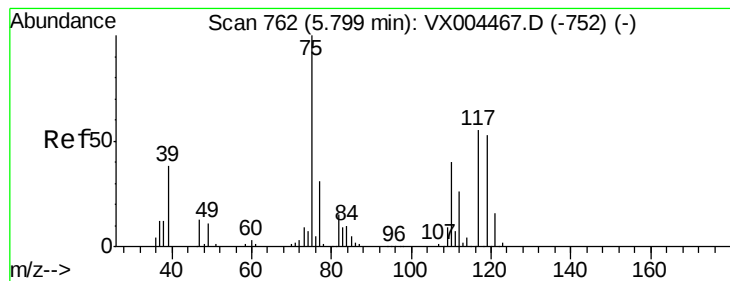
Tgt Ion:114 Resp: 370217
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.0
 88 15.2 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 45.184 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004679.D
 Acq: 19 Sep 2018 01:36

Tgt Ion:113 Resp: 153075
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 24.4 19.4 29.2





#36

1,1-Dichloropropene

Concen: 3.655 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004679.D

Acq: 19 Sep 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANKS

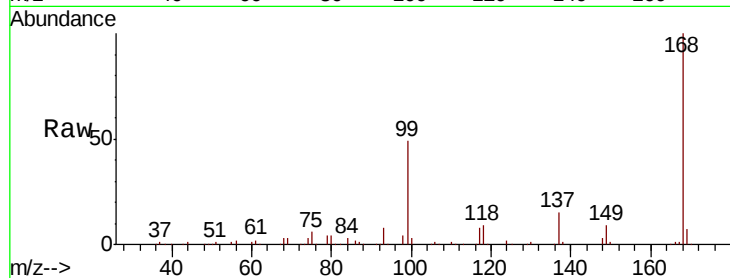
Tgt Ion: 75 Resp: 16430

Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

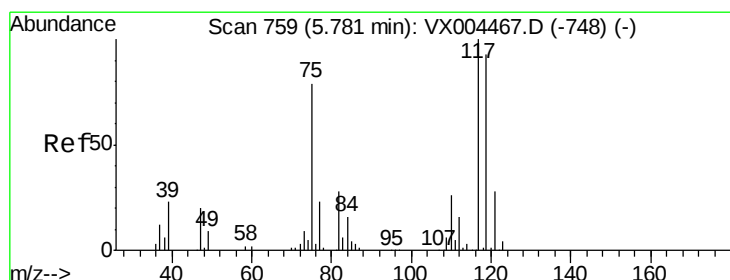
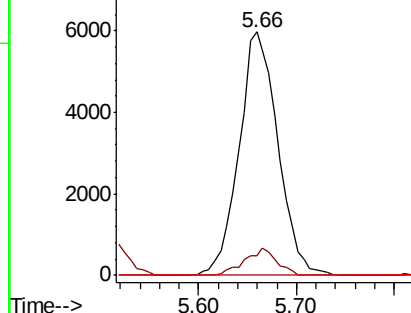
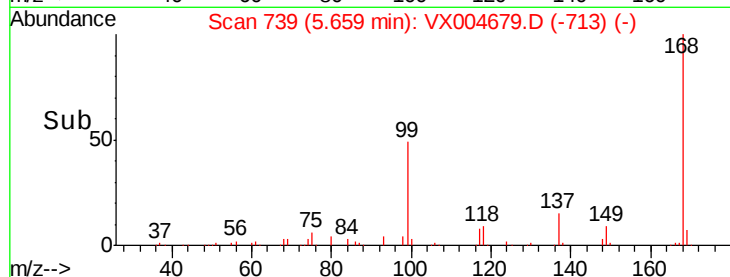
77 0.0 24.6 36.8#



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: 5.182 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004679.D

Acq: 19 Sep 2018 01:36

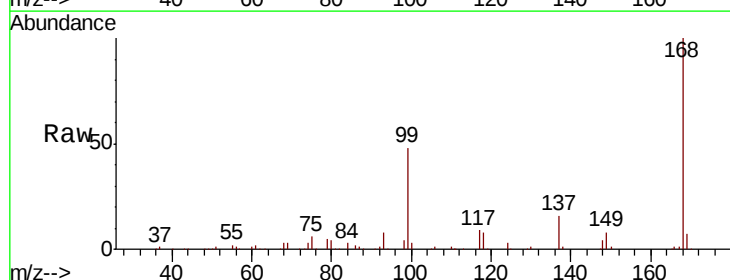
Tgt Ion: 117 Resp: 22747

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

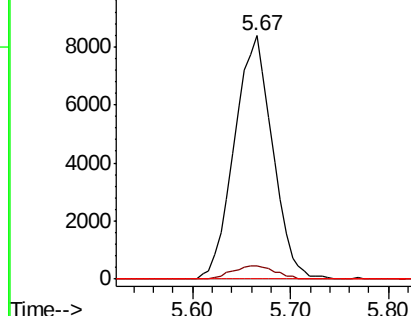
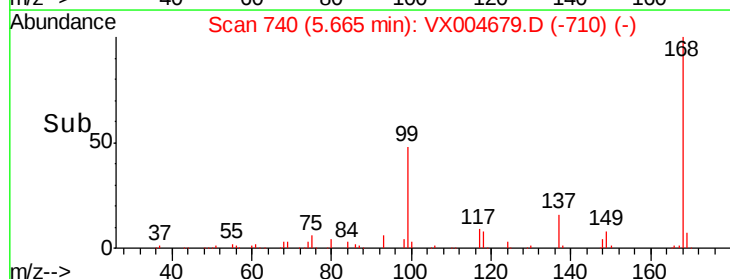
121 0.0 24.9 37.3#

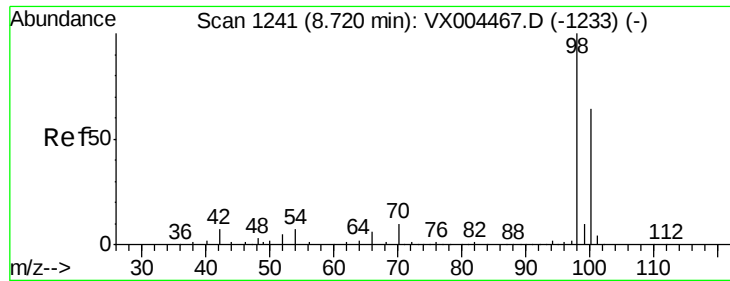


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

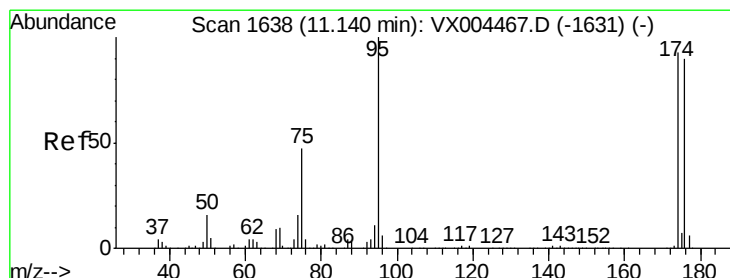
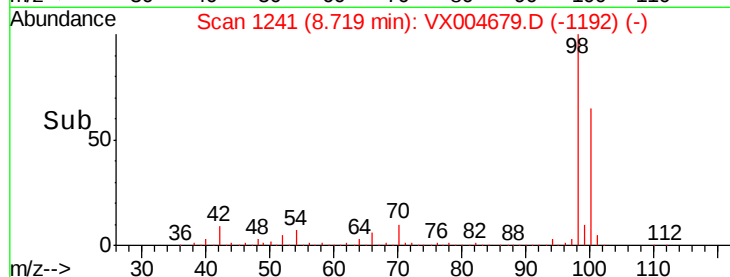
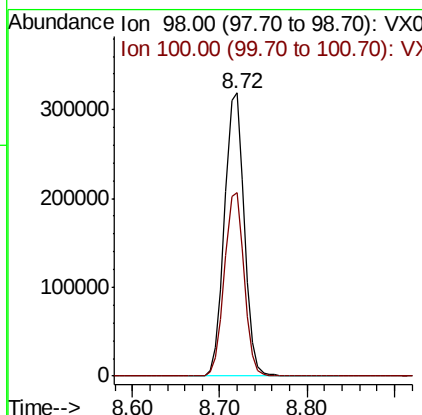
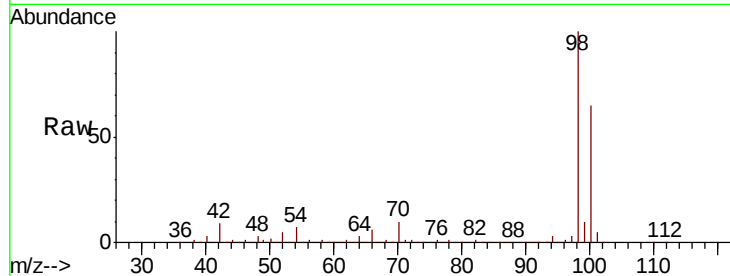




#50
Toluene-d8
Concen: 43.983 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

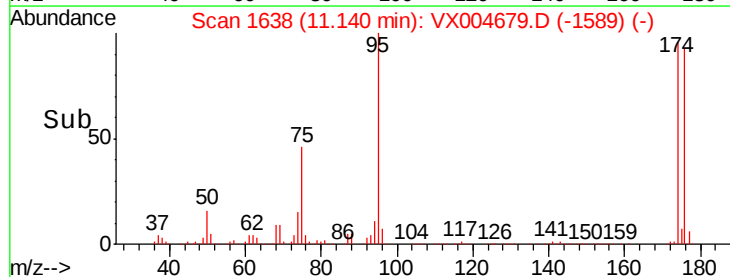
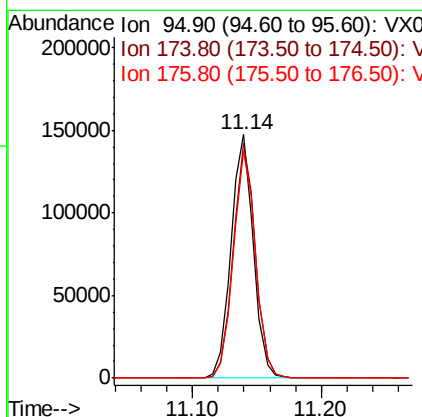
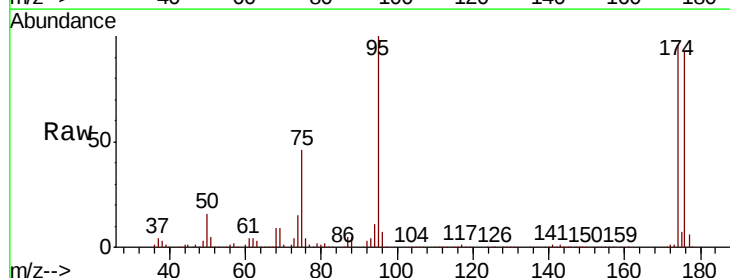
Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANKS

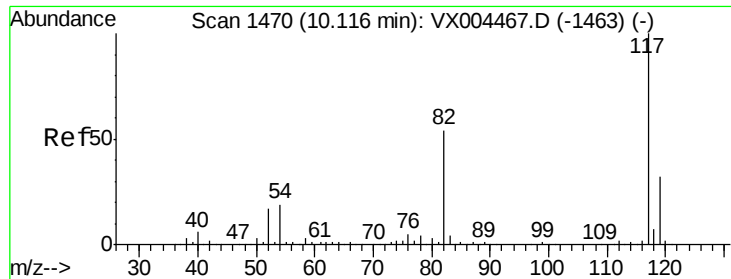
Tgt Ion: 98 Resp: 499697
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.225 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

Tgt Ion: 95 Resp: 179351
Ion Ratio Lower Upper
95 100
174 95.7 0.0 185.2
176 92.8 0.0 178.6

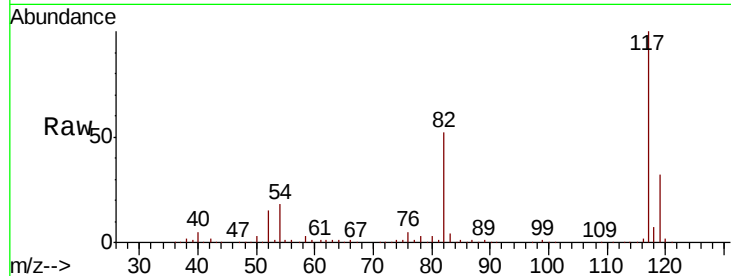




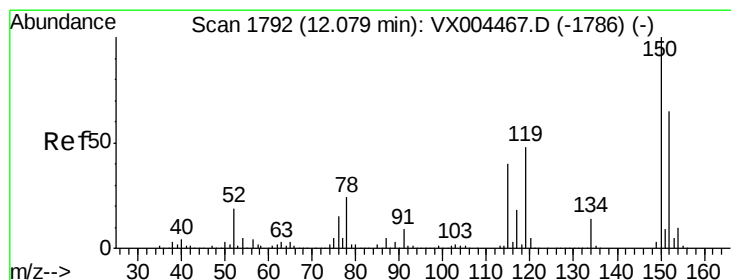
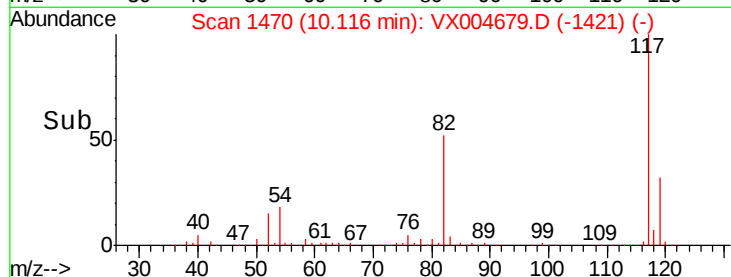
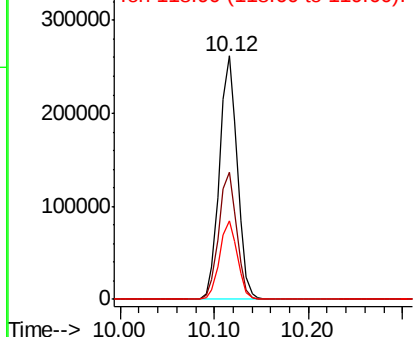
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANKS

Tgt Ion:117 Resp: 343782
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.6
119 32.2 29.3 43.9

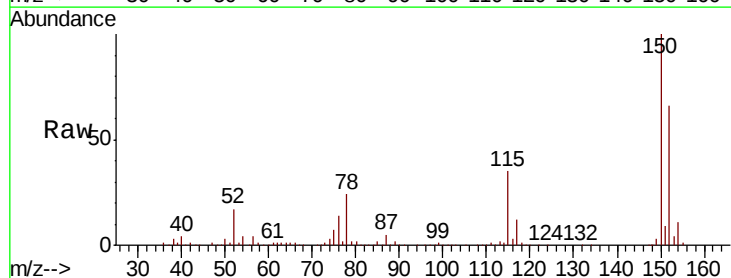


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

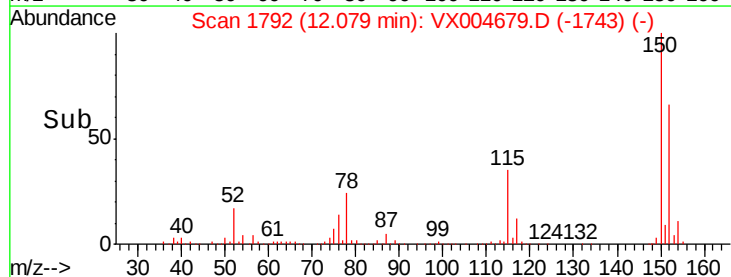
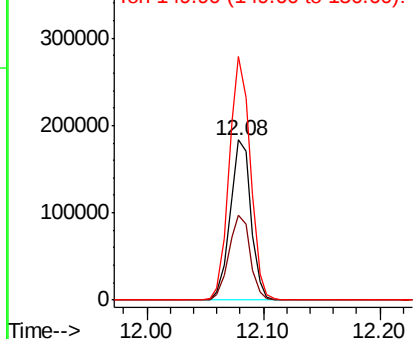


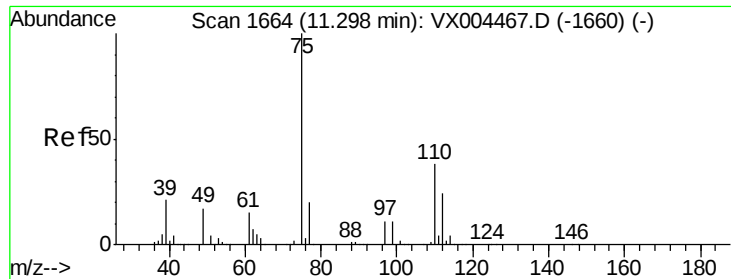
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004679.D
Acq: 19 Sep 2018 01:36

Tgt Ion:152 Resp: 228546
Ion Ratio Lower Upper
152 100
115 54.0 39.0 117.0
150 153.9 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: 17.981 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004679.D

Acq: 19 Sep 2018 01:36

Instrument :

MSVOA_X

ClientSampleId :

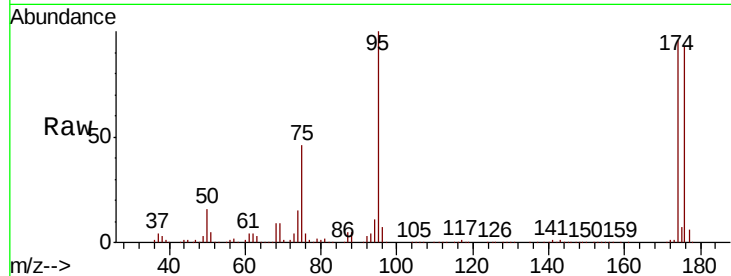
FIELD-BLANKS

Tgt Ion: 75 Resp: 82681

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

60000

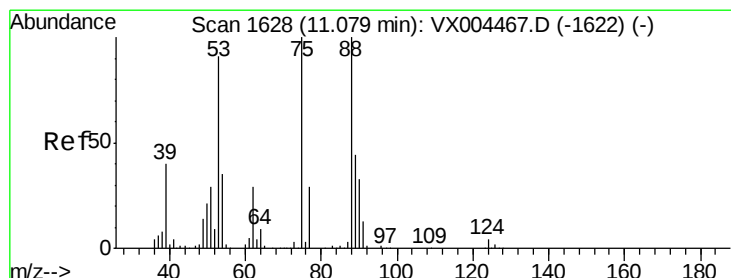
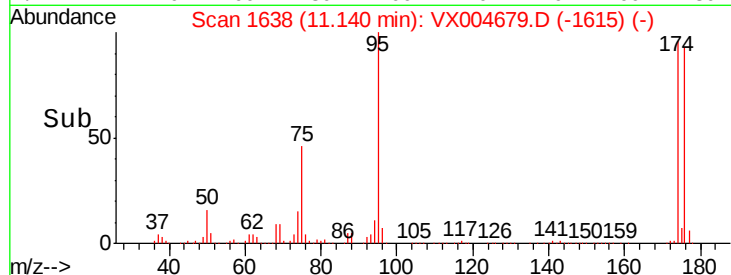
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 57.315 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004679.D

Acq: 19 Sep 2018 01:36

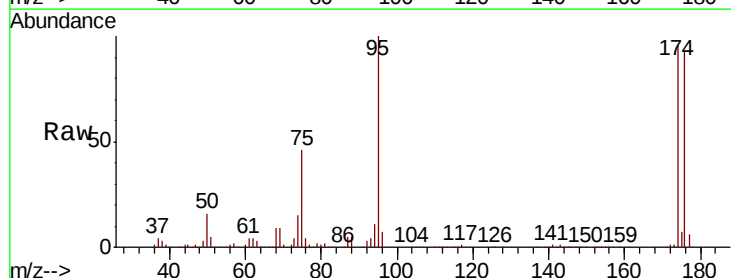
Tgt Ion: 75 Resp: 82681

Ion Ratio Lower Upper

75 100

53 0.1 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

11.14

80000

60000

40000

20000

0

Time-->

11.10 11.20

