

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007940.D
 Acq On : 08 Mar 2019 19:35
 Operator : JC/SP
 Sample : K1815-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Mar 09 03:53:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	433667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	410994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196792	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	153561	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
35) Dibromofluoromethane	5.50	113	142116	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	8.71	98	526974	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
62) 4-Bromofluorobenzene	11.13	95	194078	54.34	ug/l	0.00
Spiked Amount			Recovery	=	108.68%	

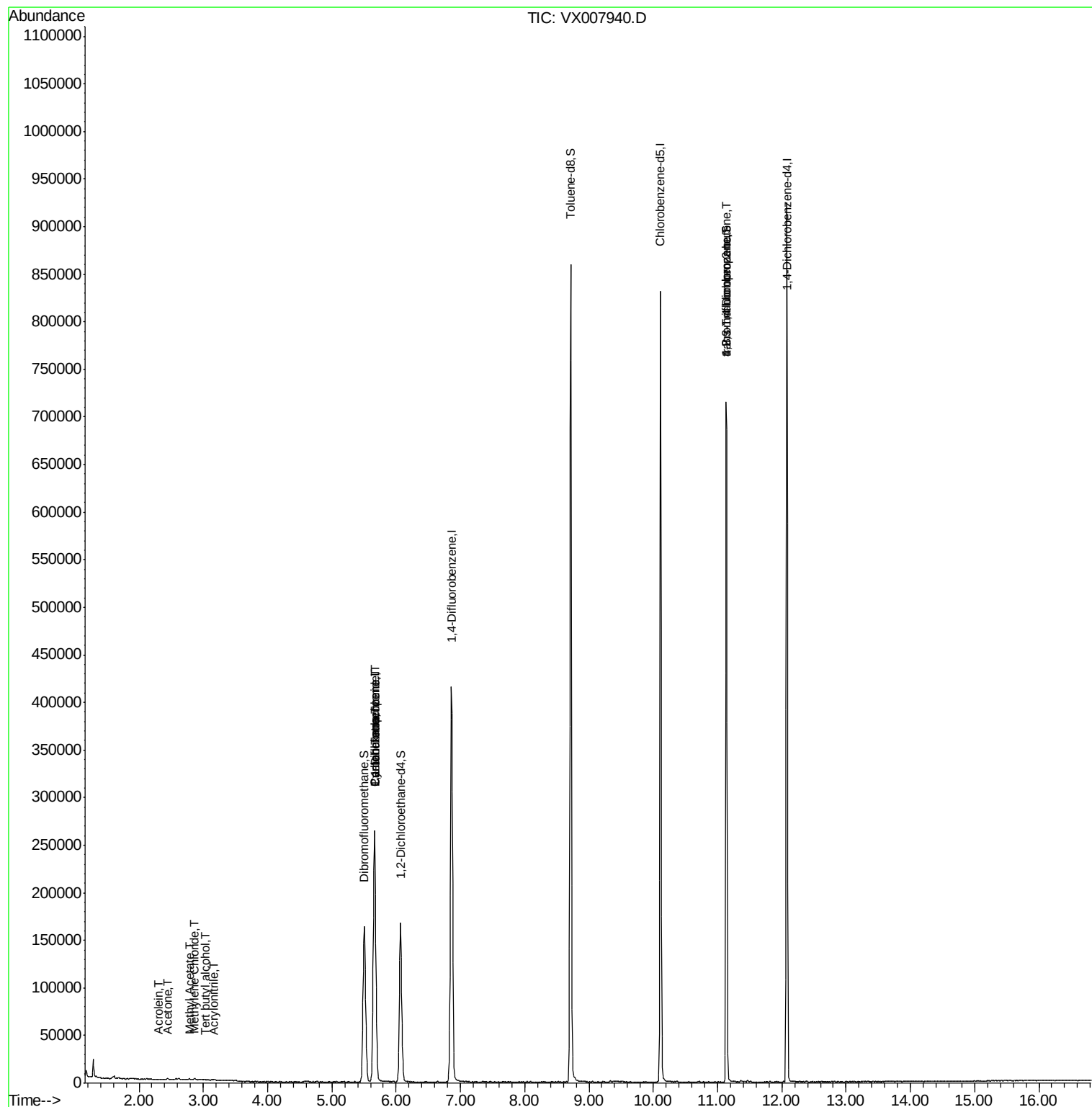
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	603	Below Cal		92
11) Tert butyl alcohol	3.04	59	240	0.366	ug/l #	73
13) Acrolein	2.29	56	42	1.654	ug/l #	55
15) Acrylonitrile	3.16	53	362	0.219	ug/l #	70
16) Acetone	2.45	43	831	0.490	ug/l	95
17) Carbon Disulfide	2.57	76	1472	Below Cal	#	72
18) Methyl Acetate	2.78	43	1306	0.363	ug/l	94
20) Methylene Chloride	2.85	84	806	0.299	ug/l #	76
31) Cyclohexane	5.67	56	4262	0.947	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17489	4.454	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24101	6.465	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	88573	21.449	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	88573	68.561	ug/l #	11

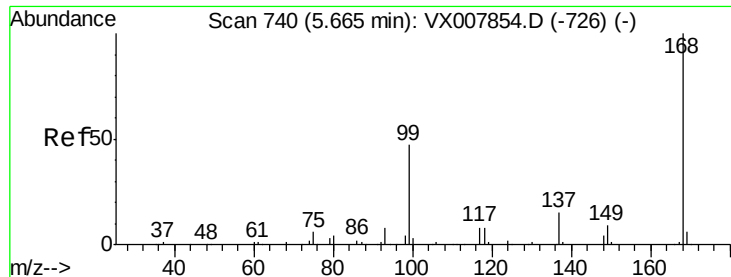
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
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QLast Update : Thu Mar 07 07:33:26 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

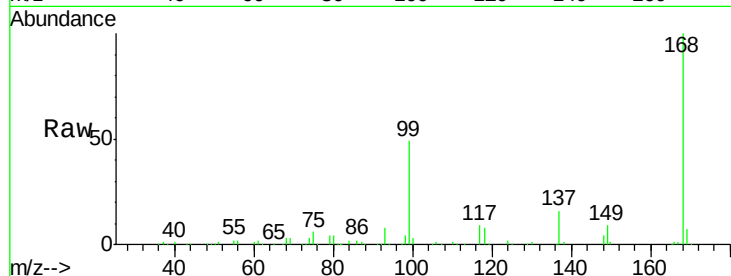
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 277742

Ion Ratio Lower Upper

168 100

99 48.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

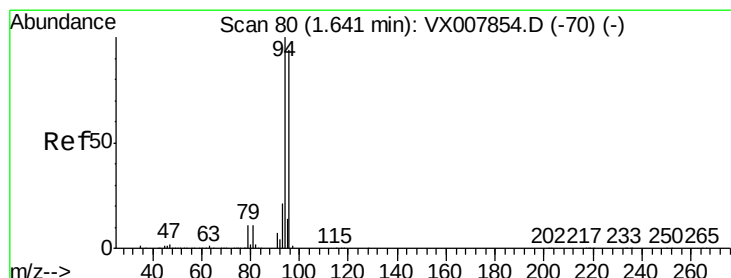
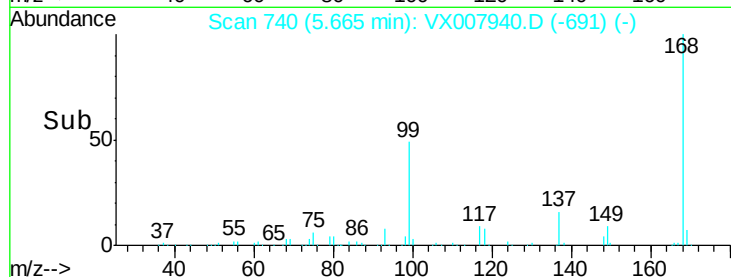
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007940.D

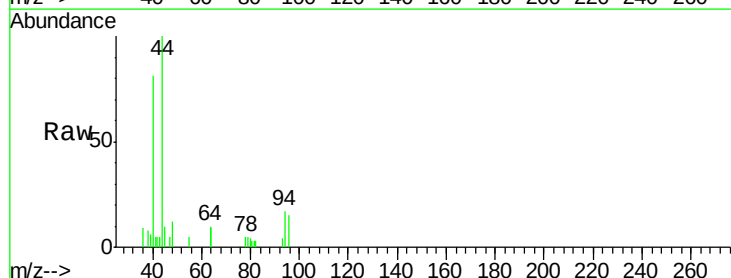
Acq: 08 Mar 2019 19:35

Tgt Ion: 94 Resp: 603

Ion Ratio Lower Upper

94 100

96 86.2 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

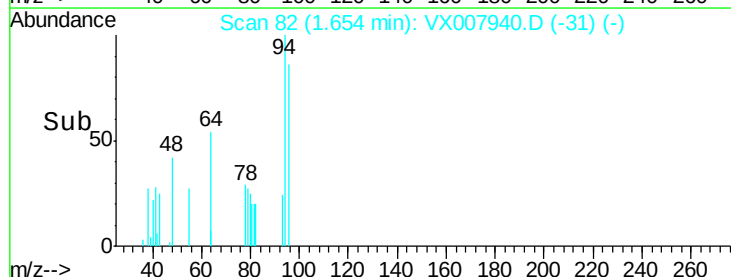
150

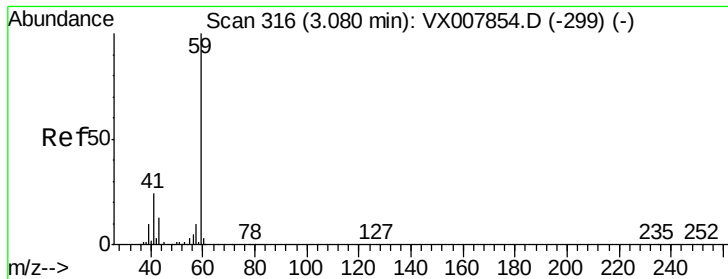
100

50

0

Time--> 1.60 1.65 1.70

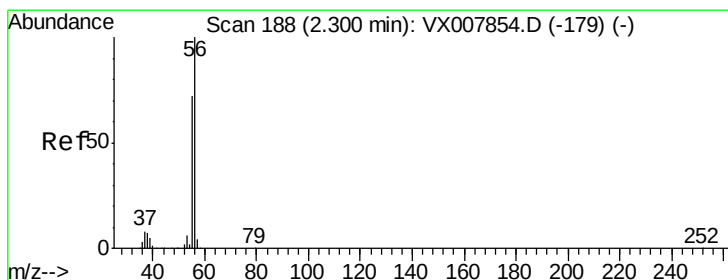
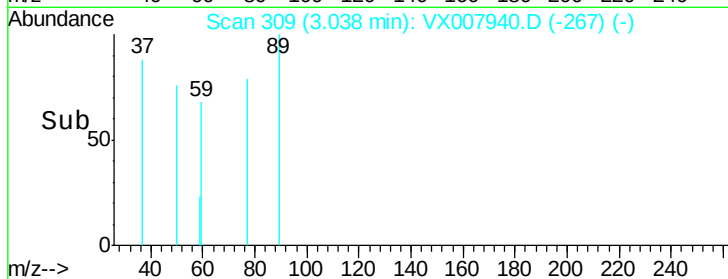
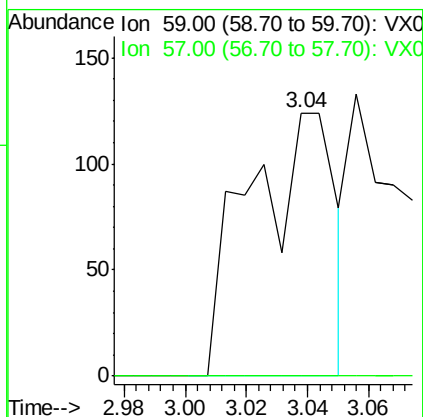
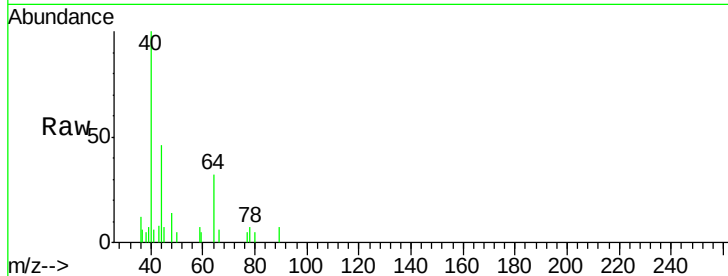




#11
Tert butyl alcohol
Concen: 0.366 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.04 min
Lab File: VX007940.D
Acq: 08 Mar 2019 19:35

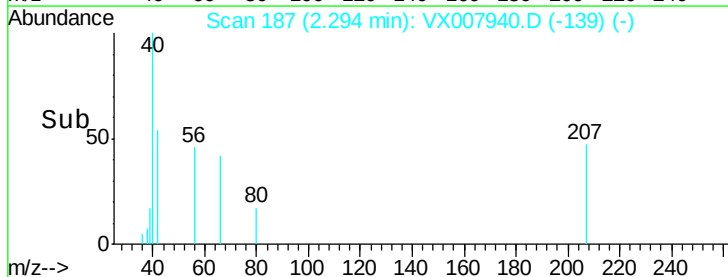
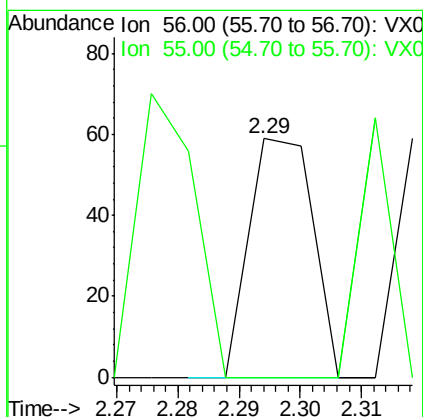
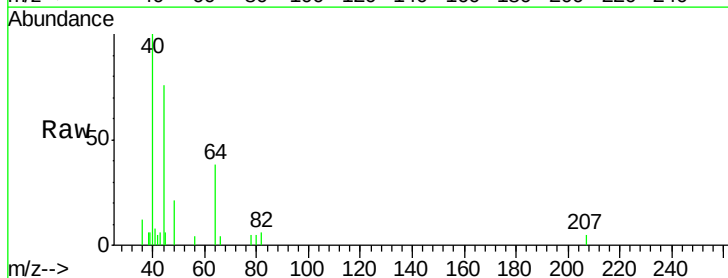
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

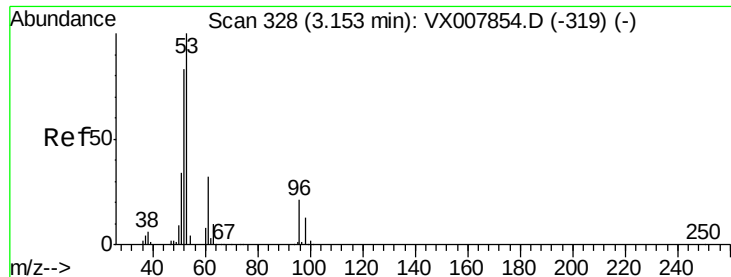
Tot Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 1.654 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007940.D
Acq: 08 Mar 2019 19:35

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 109.5 57.8 86.6#





#15

Acrylonitrile

Concen: 0.219 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

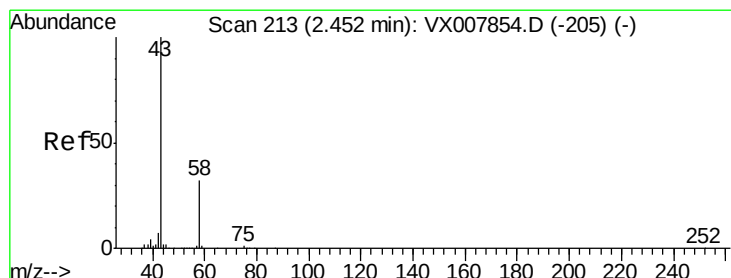
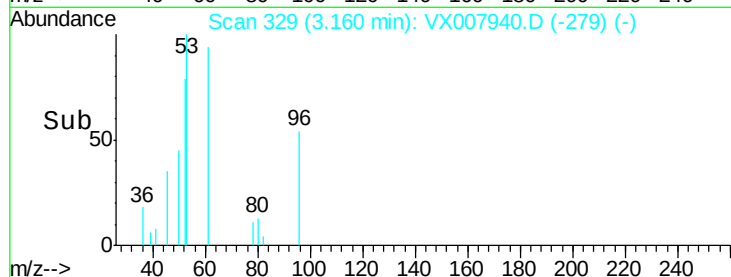
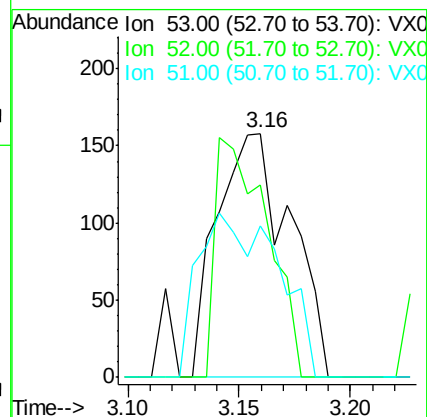
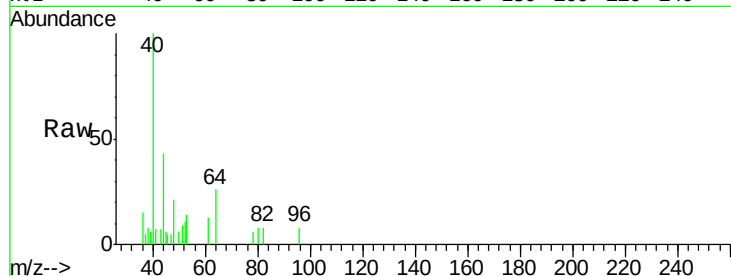
Tot Ion: 53 Resp: 362

Ion Ratio Lower Upper

53 100

52 69.6 66.0 99.0

51 73.5 28.0 42.0#



#16

Acetone

Concen: 0.490 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007940.D

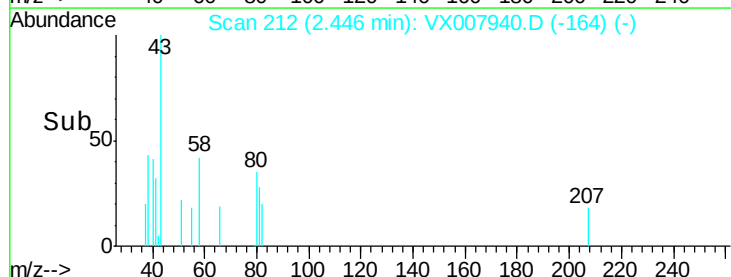
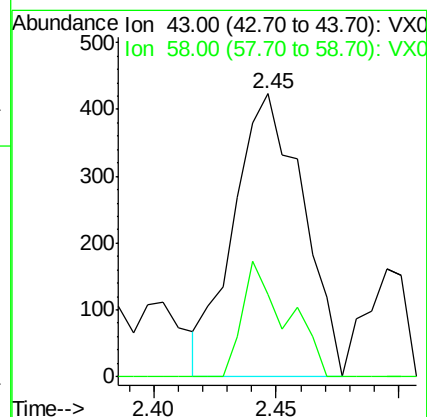
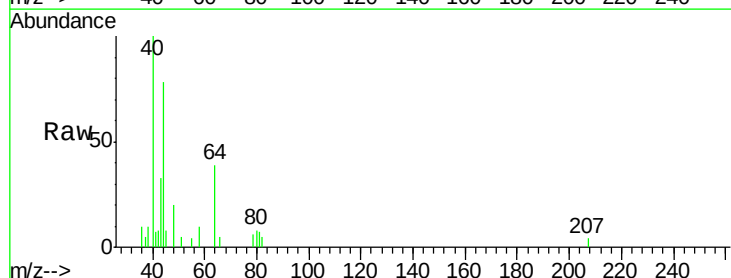
Acq: 08 Mar 2019 19:35

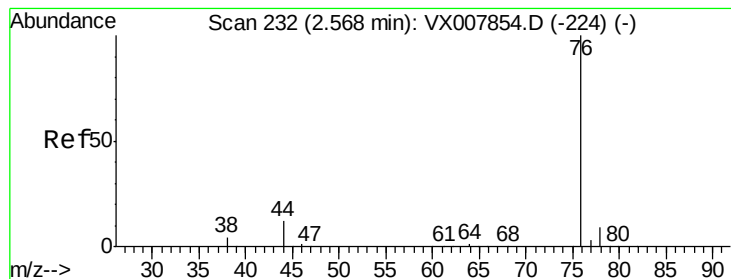
Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 29.3 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

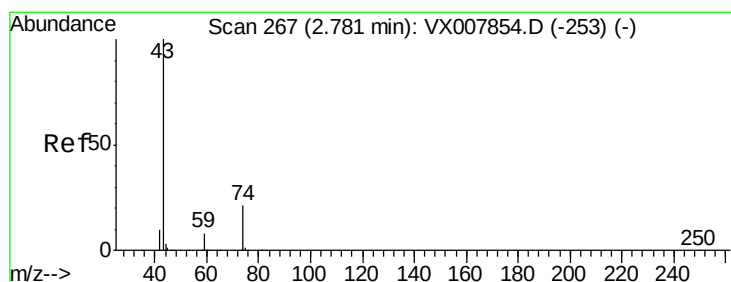
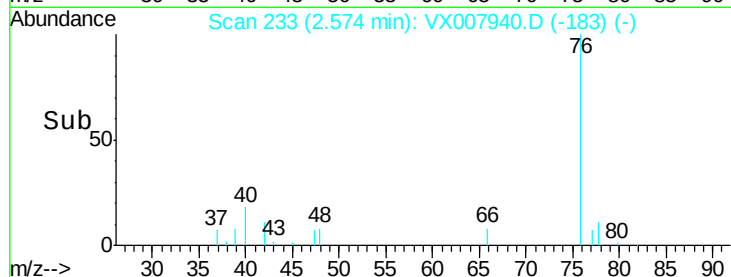
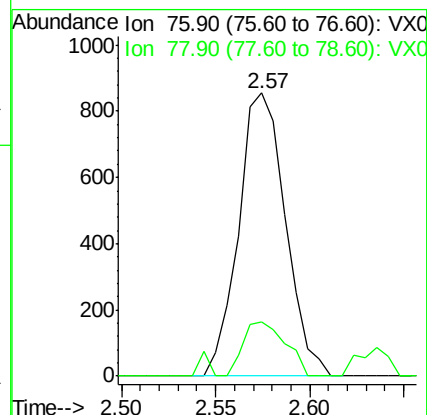
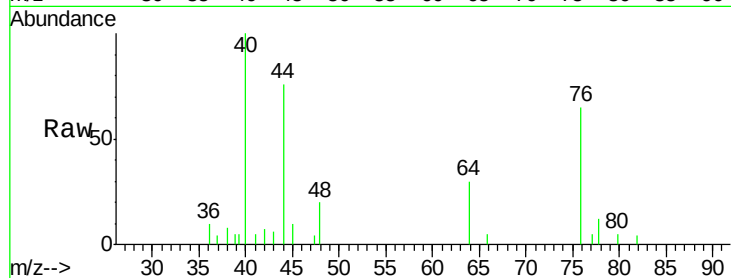
STORAGE-BLANK-WATER-REF-5

Tot Ion: 76 Resp: 1472

Ion Ratio Lower Upper

76 100

78 19.1 7.2 10.8#



#18

Methyl Acetate

Concen: 0.363 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007940.D

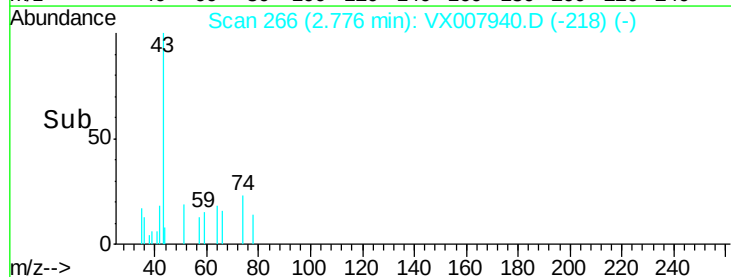
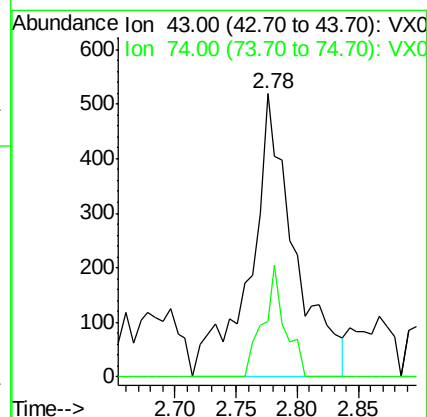
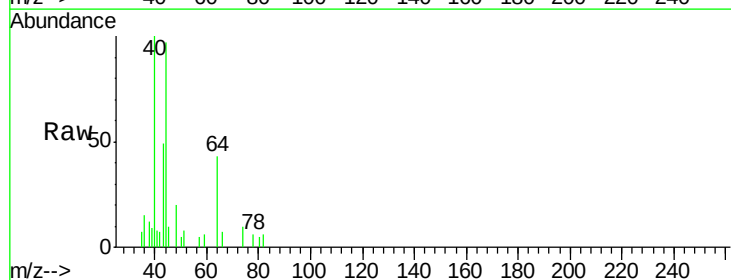
Acq: 08 Mar 2019 19:35

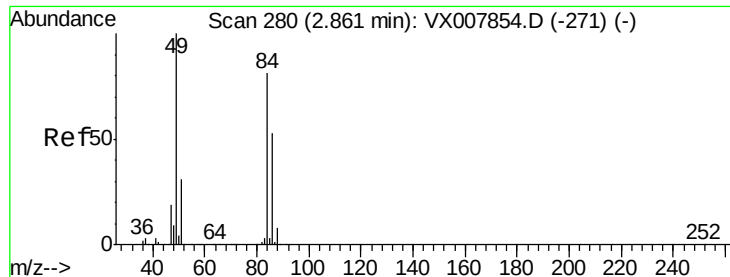
Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

43 100

74 19.4 17.8 26.6

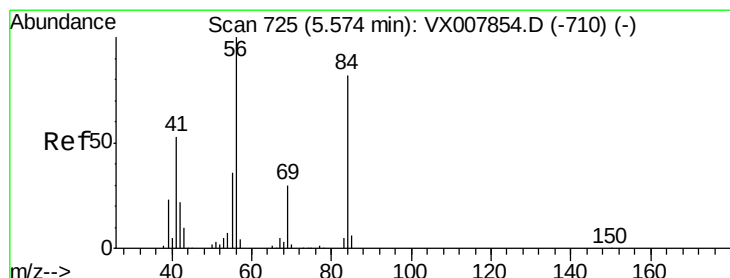
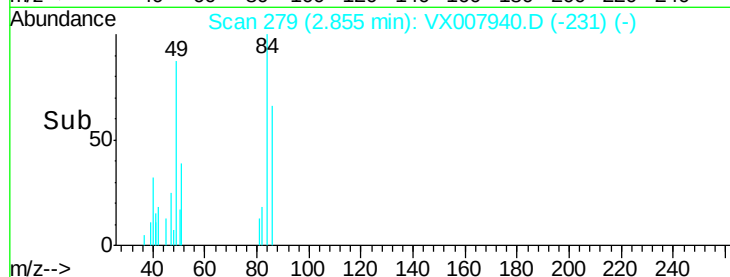
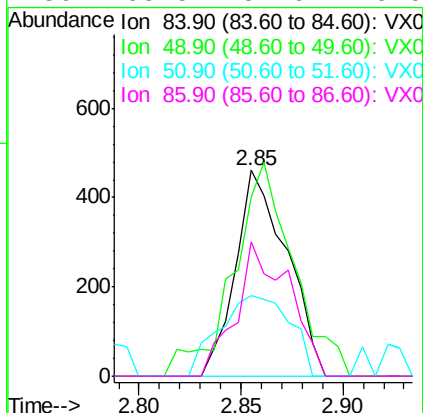
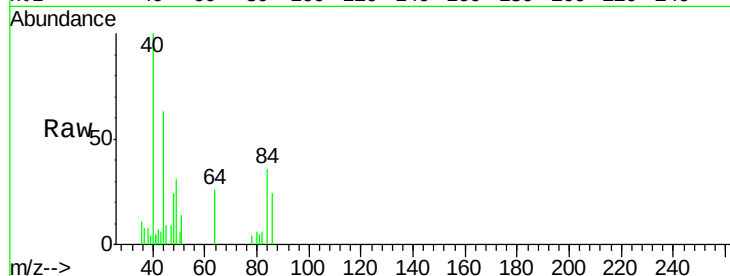




#20
Methvlene Chloride
Concen: 0.299 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007940.D
Acq: 08 Mar 2019 19:35

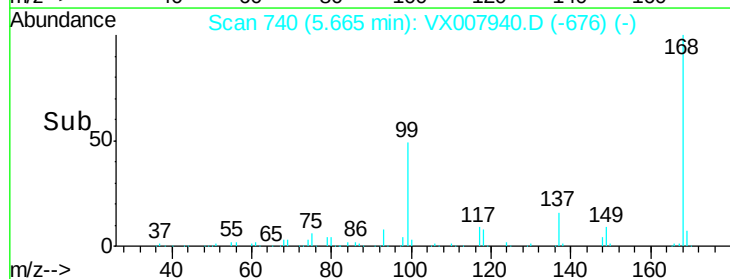
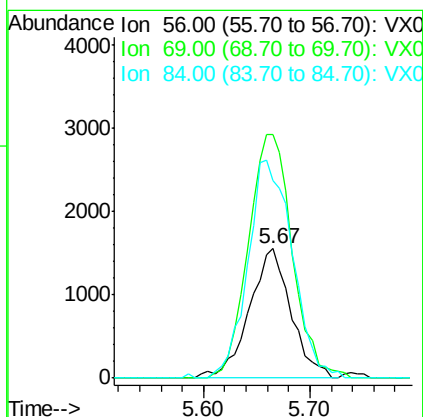
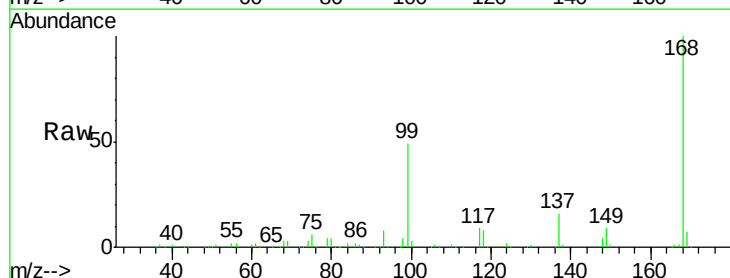
Instrument :
MSVOA_X
ClientSampleId :
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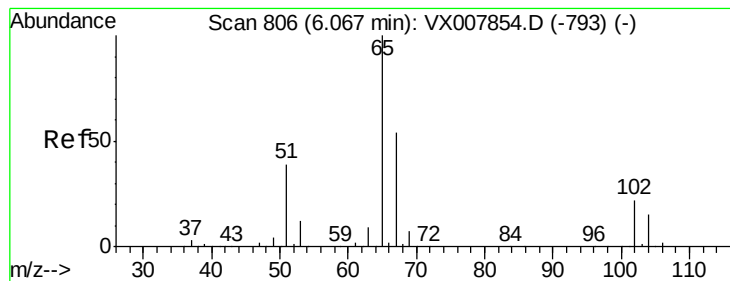
Tot Ion:	84	Resp:	806
Ion	Ratio	Lower	Upper
84	100		
49	75.3	99.3	148.9#
51	39.5	31.3	46.9
86	65.5	52.6	79.0



#31
Cyclohexane
Concen: 0.947 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007940.D
Acq: 08 Mar 2019 19:35

Tgt Ion:	56	Resp:	4262
Ion	Ratio	Lower	Upper
56	100		
69	188.2	24.0	36.0#
84	150.0	65.3	97.9#





#33

1,2-Dichloroethane-d4

Concen: 52.411 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

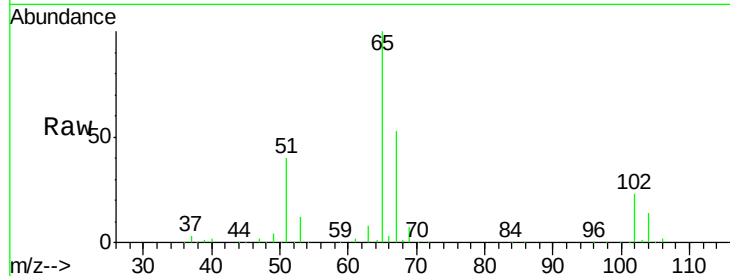
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 153561

Ion Ratio Lower Upper

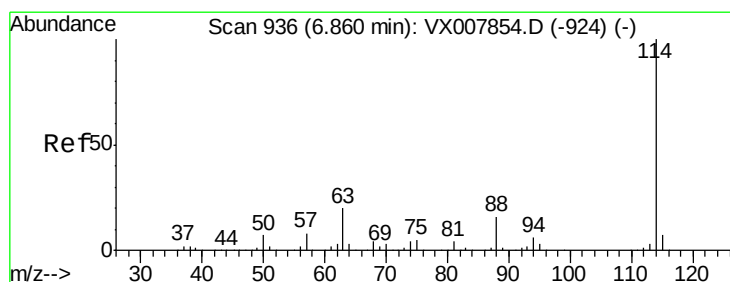
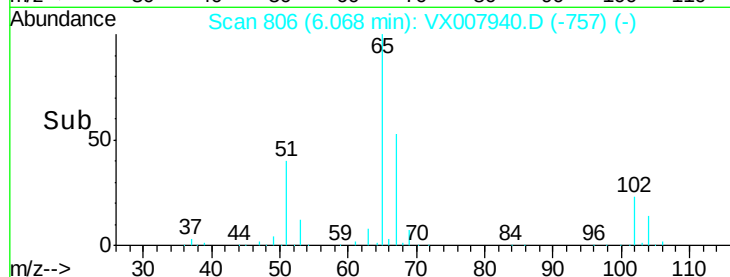
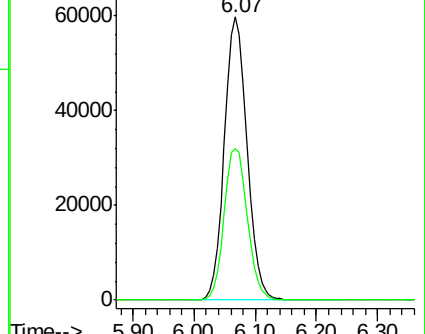
65 100

67 54.7 0.0 110.0



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: VX007940.D

Acq: 08 Mar 2019 19:35

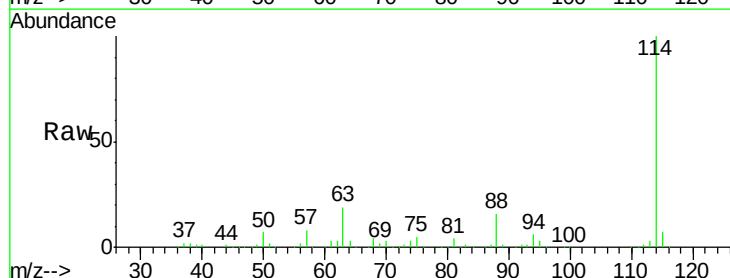
Tgt Ion: 114 Resp: 433667

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

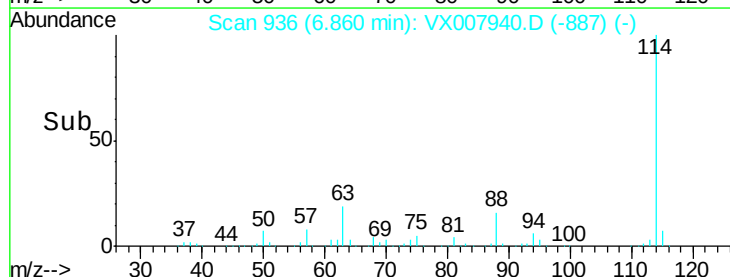
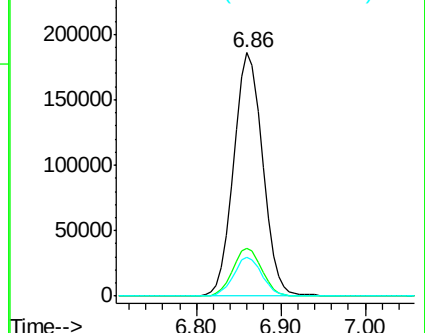
88 16.1 0.0 31.4

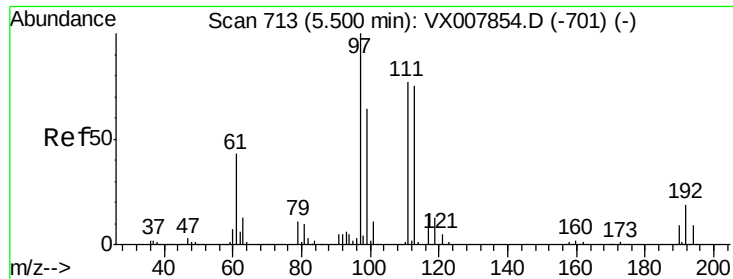


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.231 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

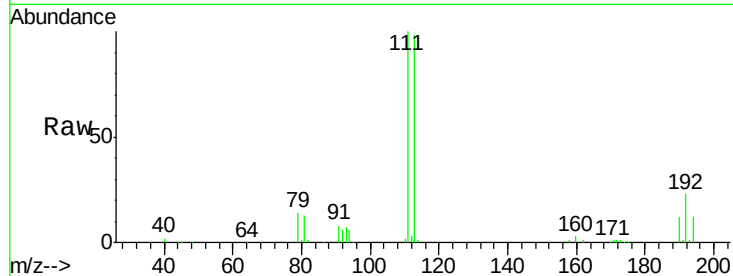
Tot Ion:113 Resp: 142116

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

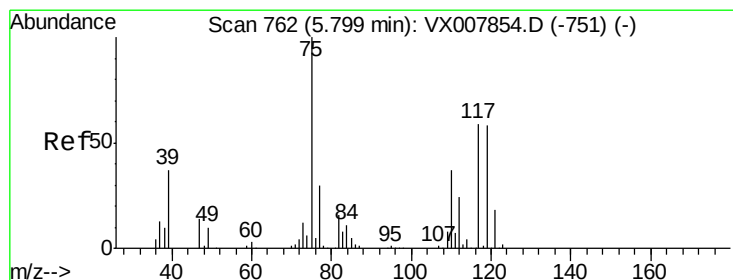
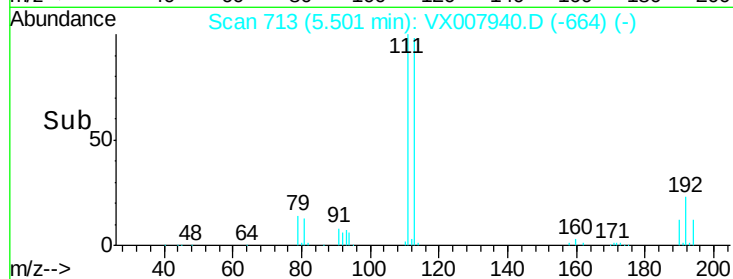
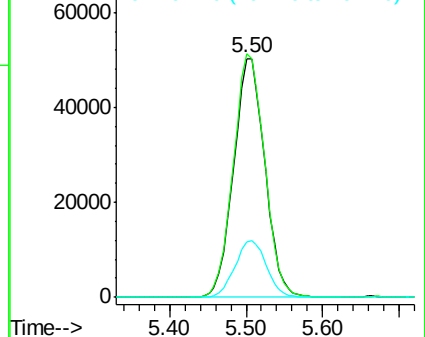
192 24.1 19.4 29.0



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: 4.454 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

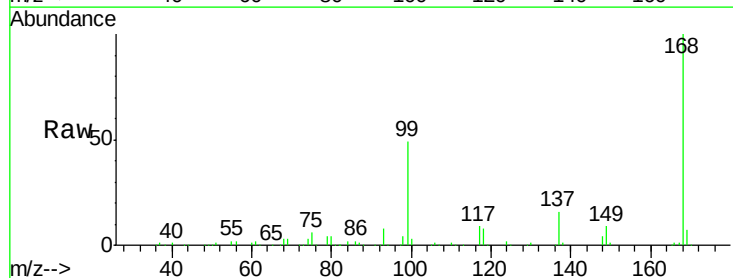
Tgt Ion: 75 Resp: 17489

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

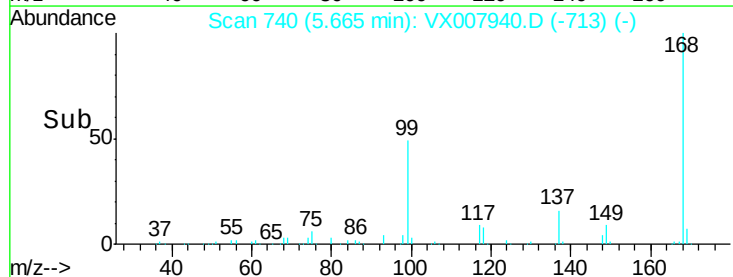
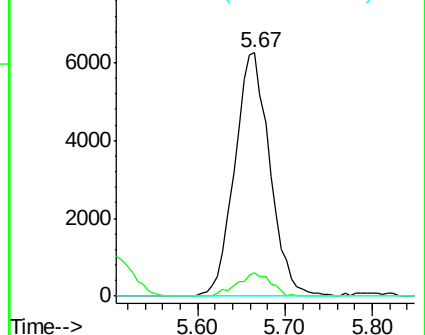
77 0.0 25.0 37.4#

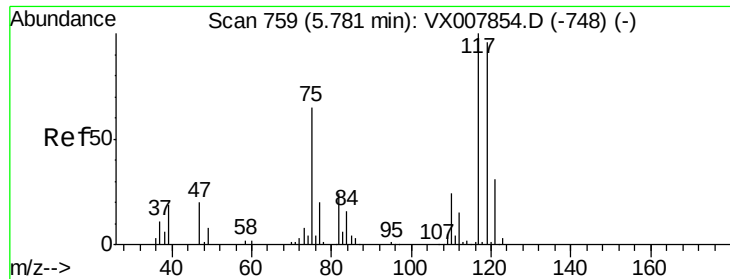


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.465 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

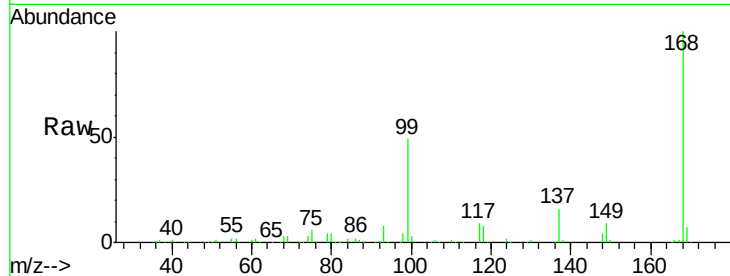
Tot Ion:117 Resp: 24101

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

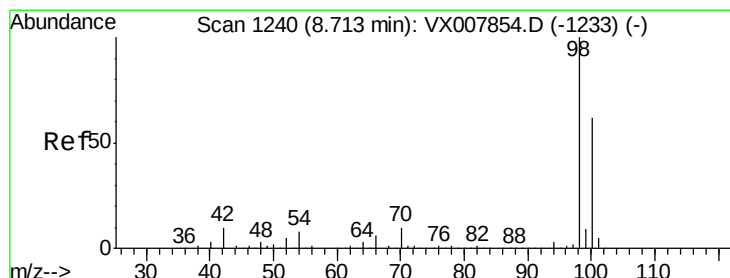
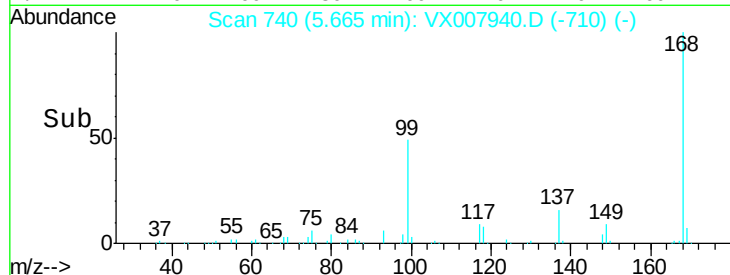
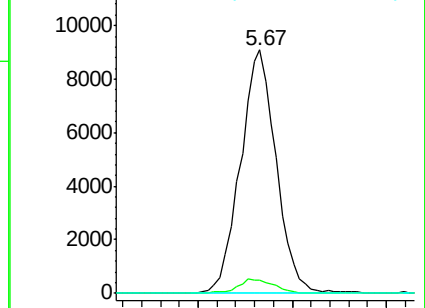
121 0.0 24.6 36.8#



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: 51.726 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007940.D

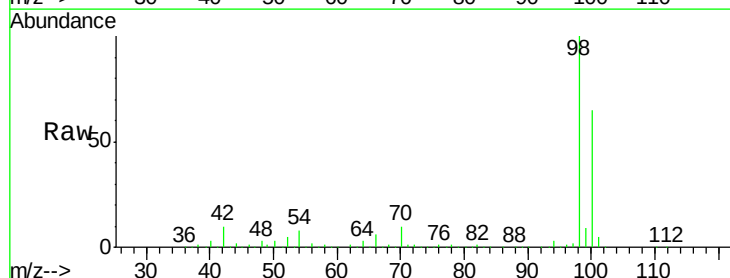
Acq: 08 Mar 2019 19:35

Tgt Ion: 98 Resp: 526974

Ion Ratio Lower Upper

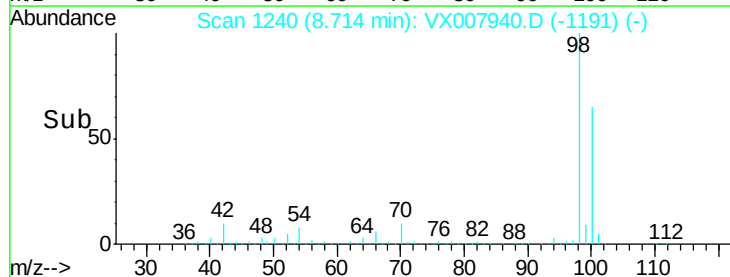
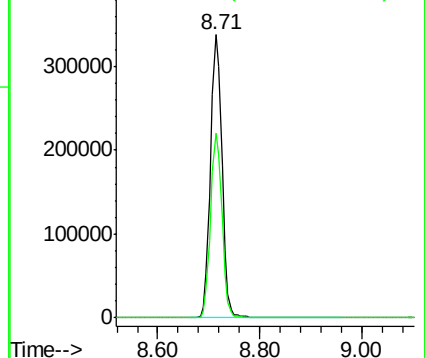
98 100

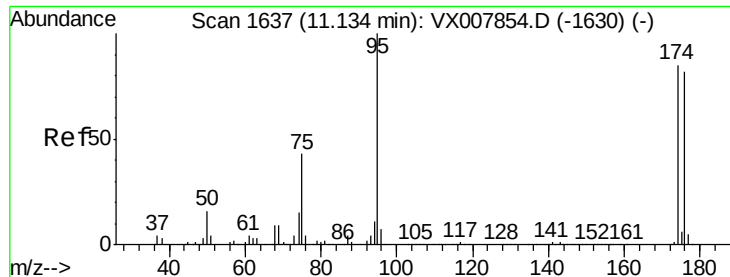
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX





#62

4-Bromofluorobenzene

Concen: 54.335 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

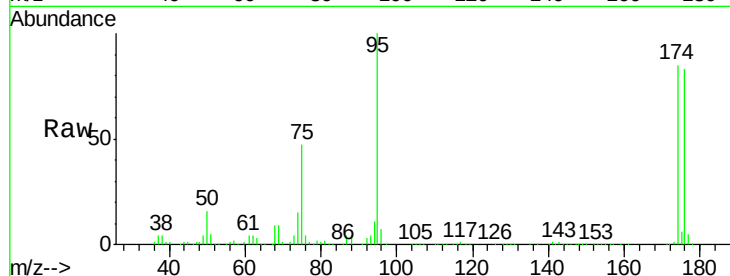
Tot Ion: 95 Resp: 194078

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

176 89.4 0.0 178.0



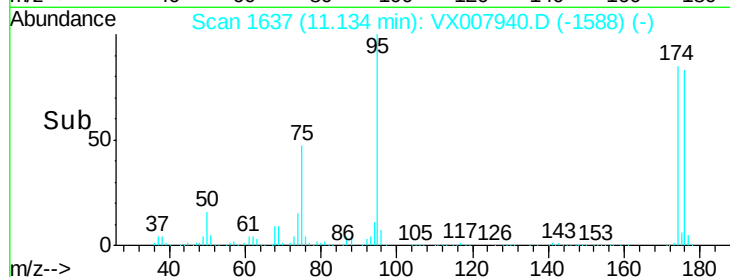
Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

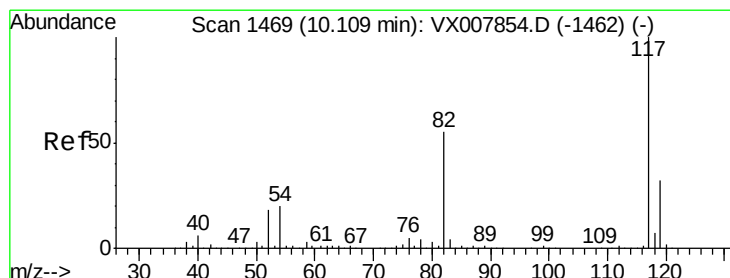
Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

11.13

11.10 11.20 11.30



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

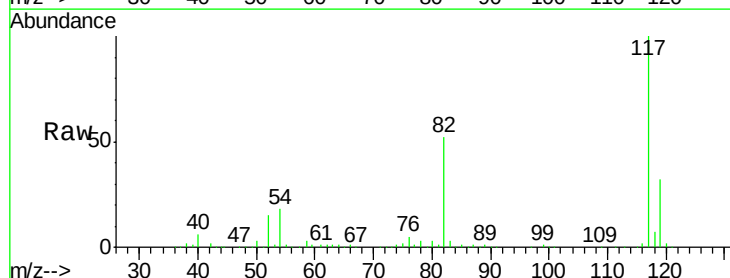
Tgt Ion: 117 Resp: 410994

Ion Ratio Lower Upper

117 100

82 52.4 44.3 66.5

119 32.2 25.3 37.9



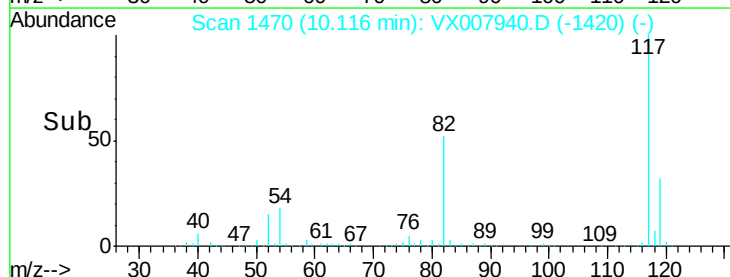
Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

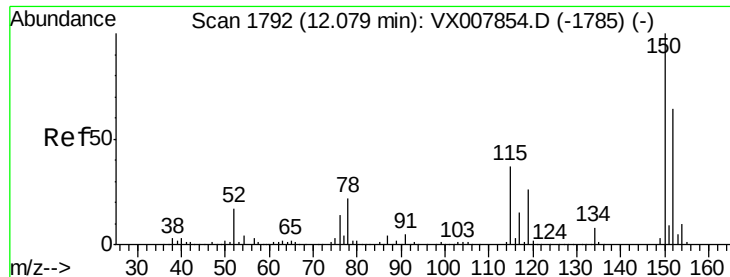
Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

10.12

10.00 10.20



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

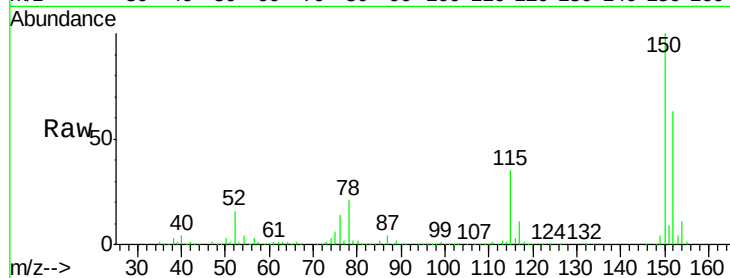
Tot Ion:152 Resp: 196792

Ion Ratio Lower Upper

152 100

115 56.2 38.6 115.7

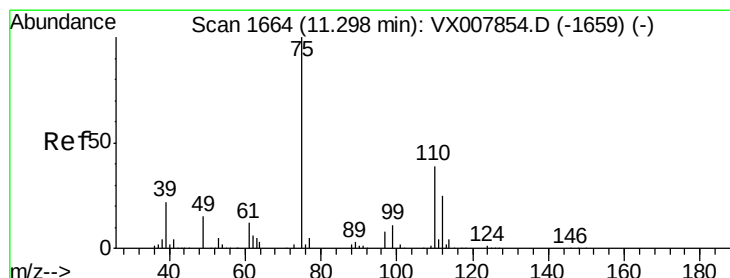
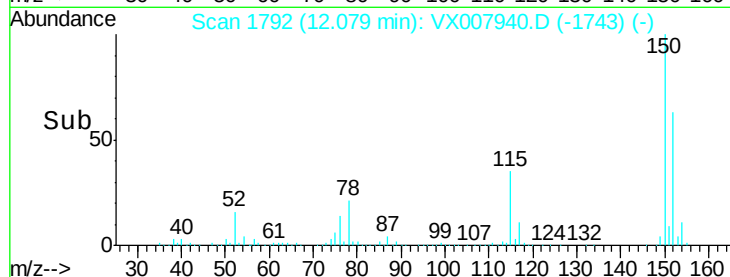
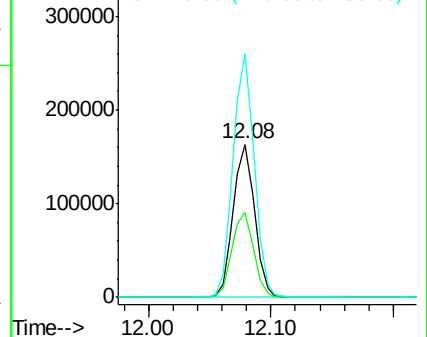
150 158.5 0.0 348.4



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: 21.449 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007940.D

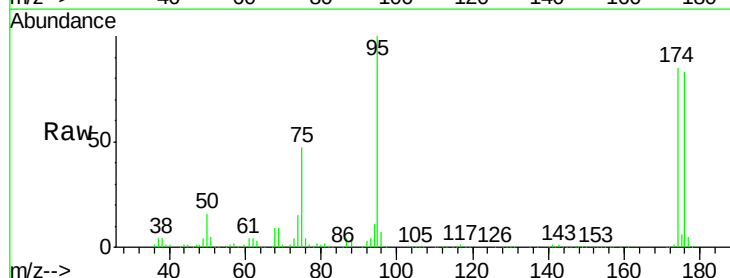
Acq: 08 Mar 2019 19:35

Tgt Ion: 75 Resp: 88573

Ion Ratio Lower Upper

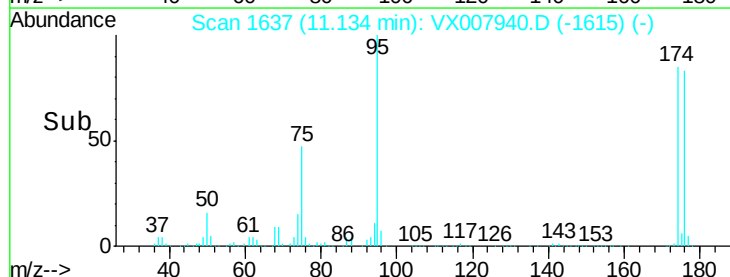
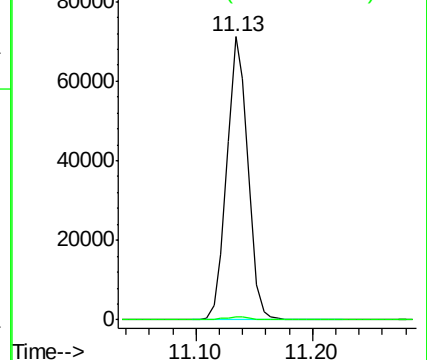
75 100

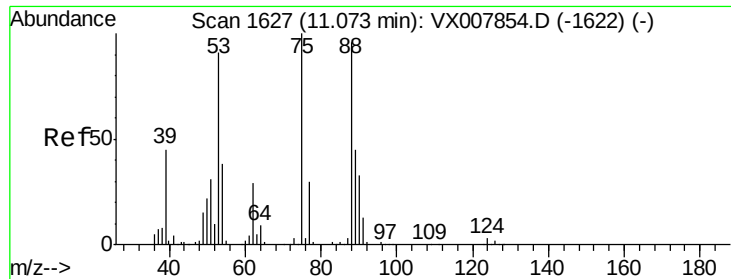
77 1.3 18.9 56.7#



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: 68.561 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007940.D

Acq: 08 Mar 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

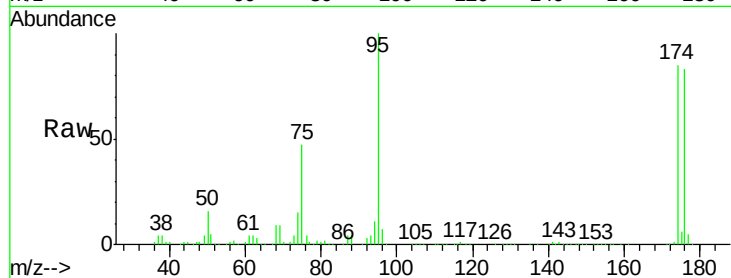
Tot Ion: 75 Resp: 88573

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

