

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010744.D
 Acq On : 09 Jul 2019 12:40
 Operator : JC/SP
 Sample : K3692-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 10 02:09:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	315213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146618	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	109486	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
35) Dibromofluoromethane	5.50	113	105523	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	8.71	98	404223	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	138112	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	

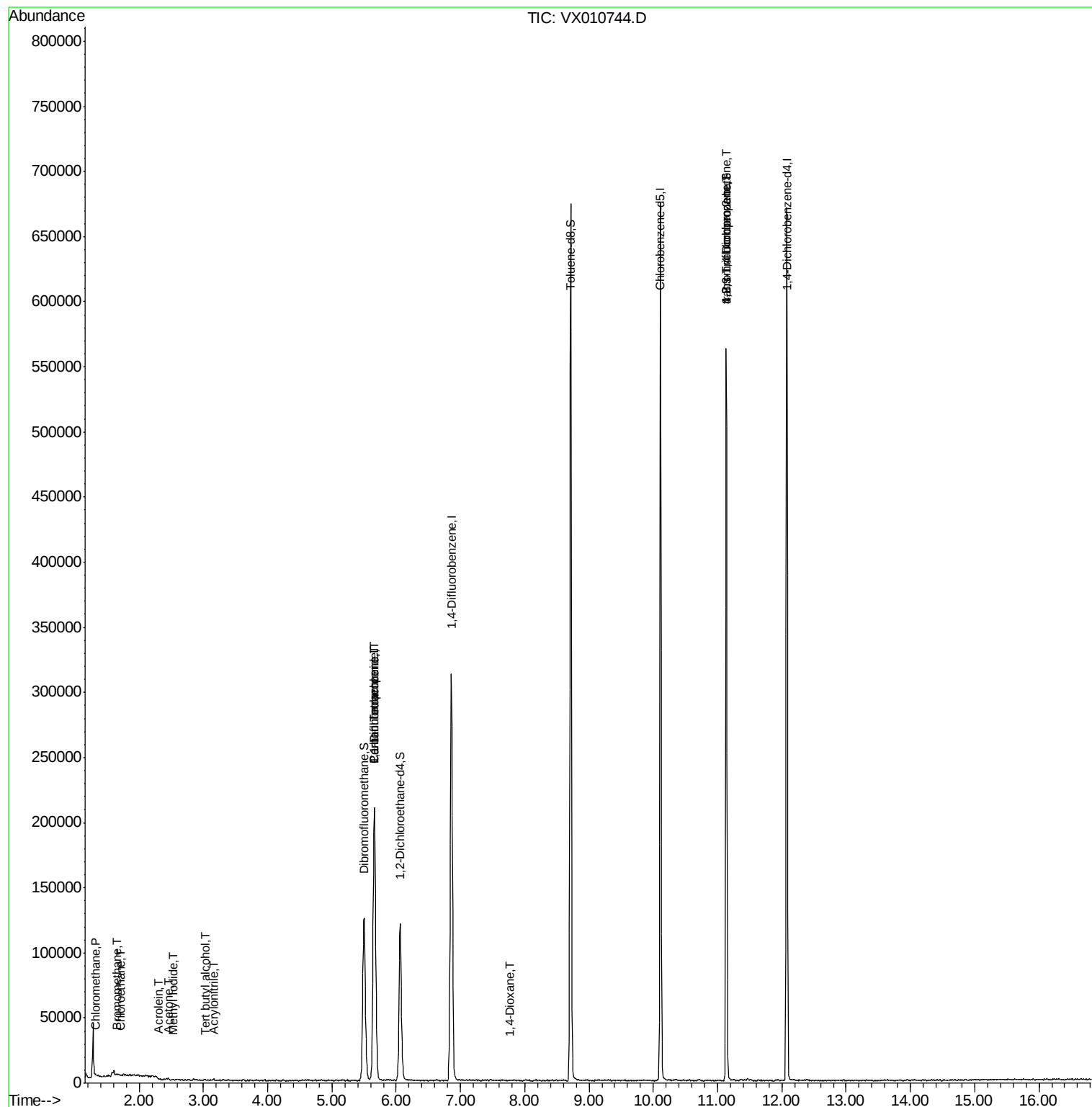
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	520	0.295	ug/l #	69
5) Bromomethane	1.65	94	1010	1.073	ug/l #	76
6) Chloroethane	1.71	64	228	0.200	ug/l	99
10) Methyl Iodide	2.53	142	557	0.210	ug/l #	77
11) Tert butyl alcohol	3.04	59	469	0.878	ug/l	95
13) Acrolein	2.31	56	206	0.581	ug/l #	45
15) Acrylonitrile	3.16	53	231	0.218	ug/l #	81
16) Acetone	2.45	43	1146	1.120	ug/l #	85
36) 1,1-Dichloropropene	5.67	75	13844	5.106	ug/l #	47
38) Carbon Tetrachloride	5.65	117	20033	6.823	ug/l #	15
49) 1,4-Dioxane	7.76	88	19	0.307	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66943	25.056	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	66943	58.452	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010744.D

Acq: 09 Jul 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

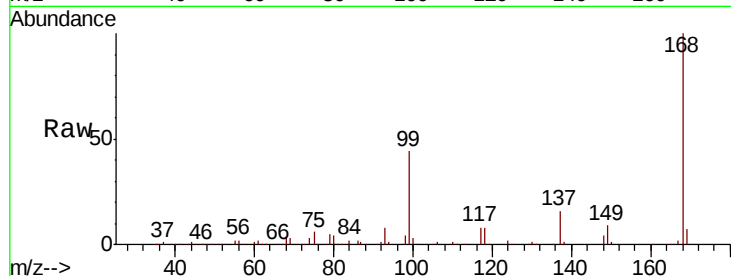
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 217827

Ion Ratio Lower Upper

168 100

99 44.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

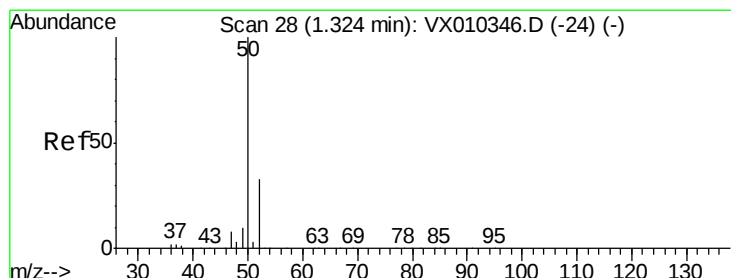
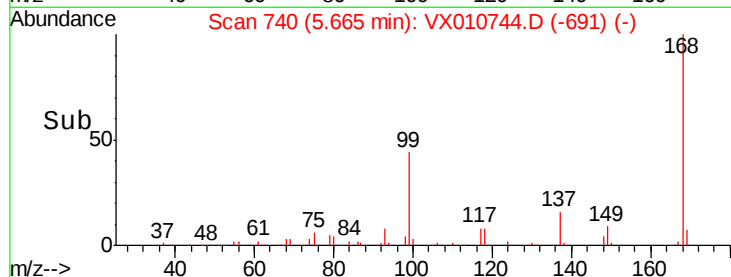
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.295 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010744.D

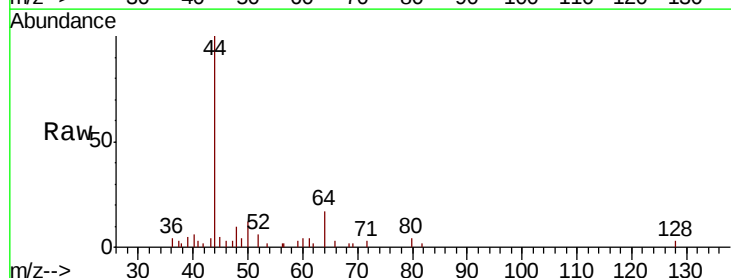
Acq: 09 Jul 2019 12:40

Tgt Ion: 50 Resp: 520

Ion Ratio Lower Upper

50 100

52 50.5 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

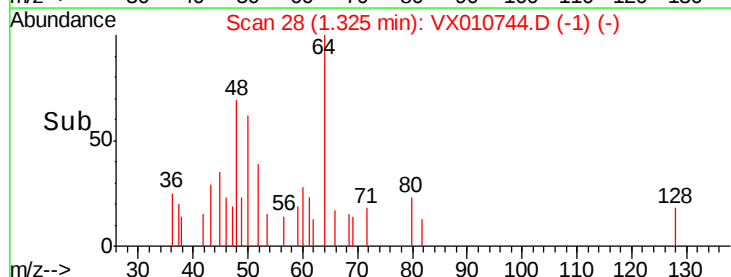
300

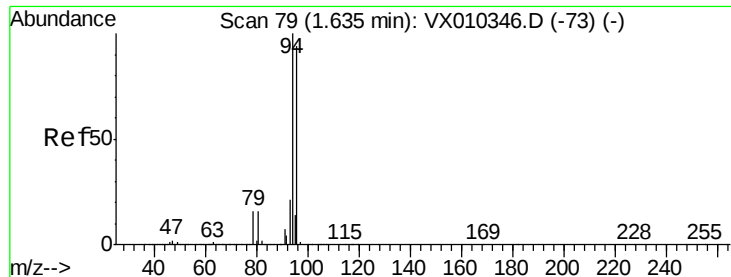
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 1.073 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010744.D

Acq: 09 Jul 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

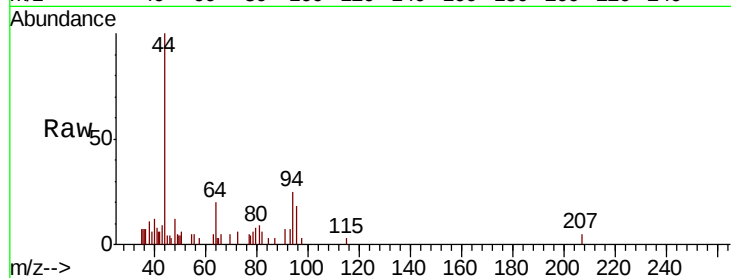
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 1010

Ion Ratio Lower Upper

94 100

96 70.8 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

400

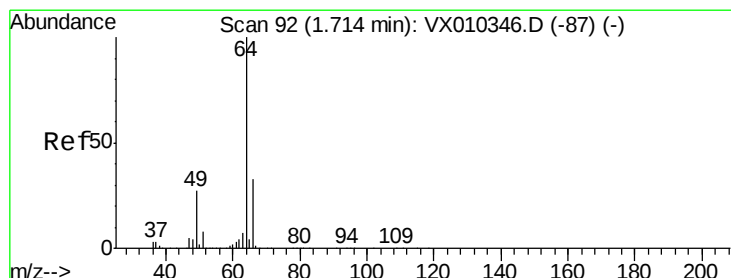
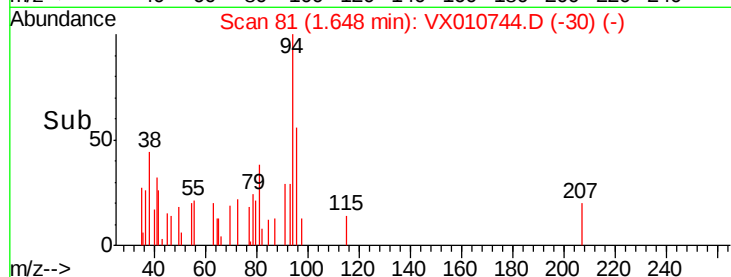
300

200

100

0

Time-->



#6

Chloroethane

Concen: 0.200 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010744.D

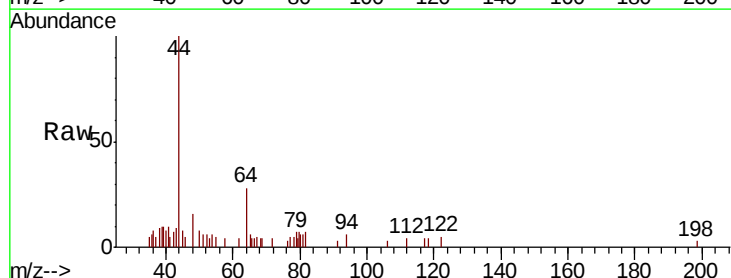
Acq: 09 Jul 2019 12:40

Tgt Ion: 64 Resp: 228

Ion Ratio Lower Upper

64 100

66 34.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

400

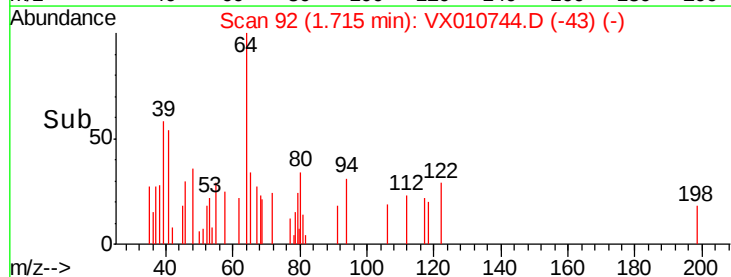
300

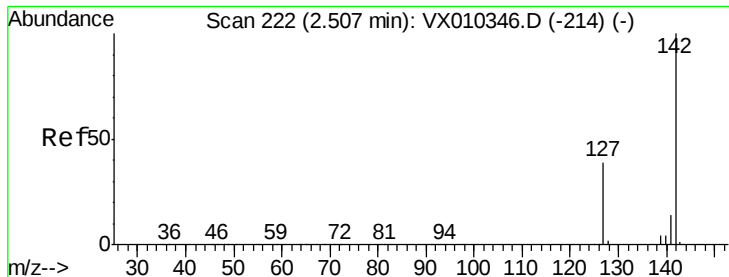
200

100

0

Time-->

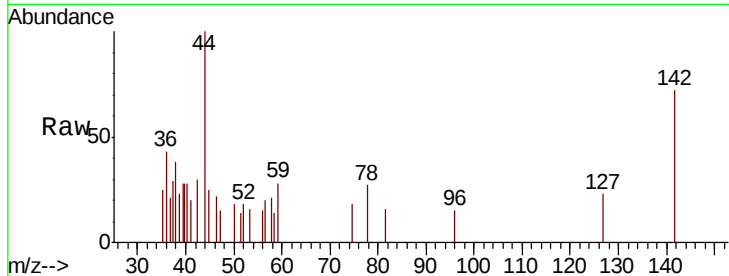




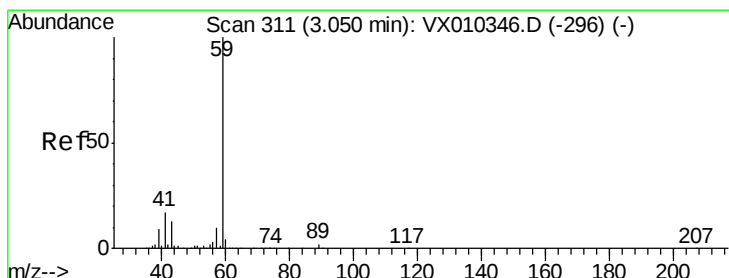
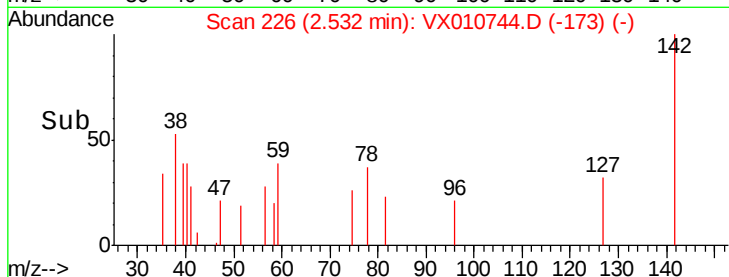
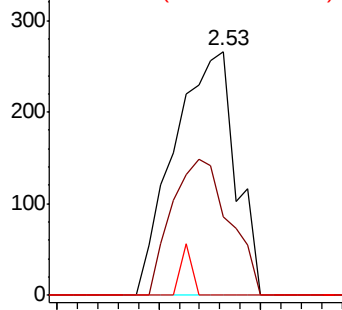
#10
Methvl Iodide
Concen: 0.210 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX010744.D
Acq: 09 Jul 2019 12:40

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

Tot Ion:142 Resp: 557
Ion Ratio Lower Upper
142 100
127 52.2 31.1 46.7#
141 3.6 11.2 16.8#

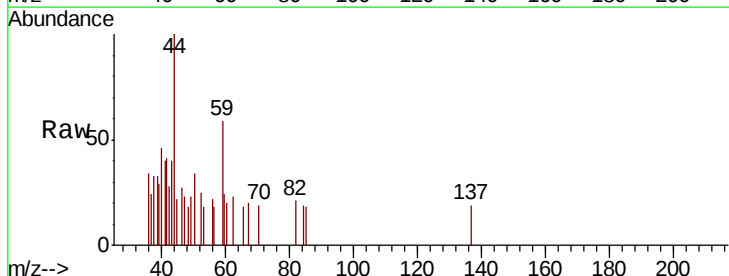


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

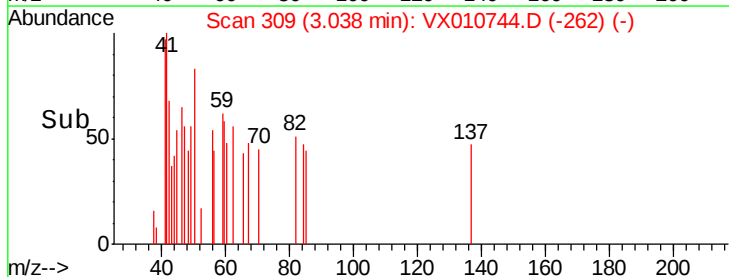
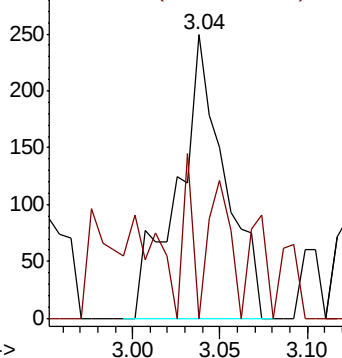


#11
Tert butyl alcohol
Concen: 0.878 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010744.D
Acq: 09 Jul 2019 12:40

Tgt Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 11.3 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.581 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX010744.D

Acq: 09 Jul 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

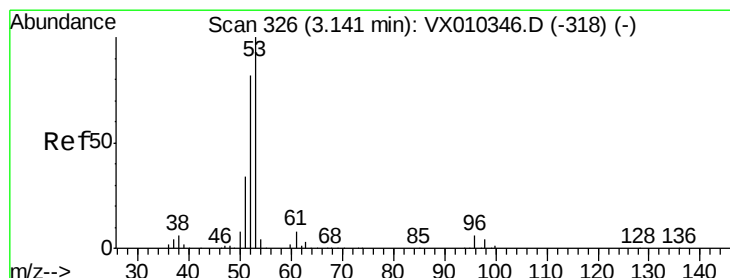
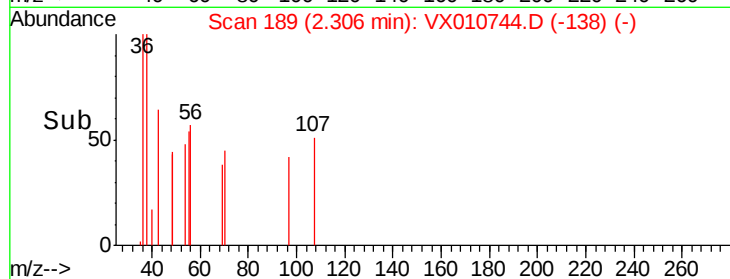
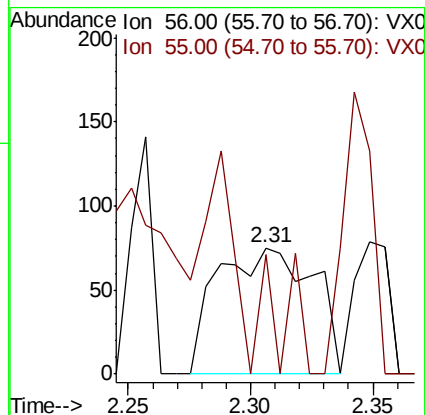
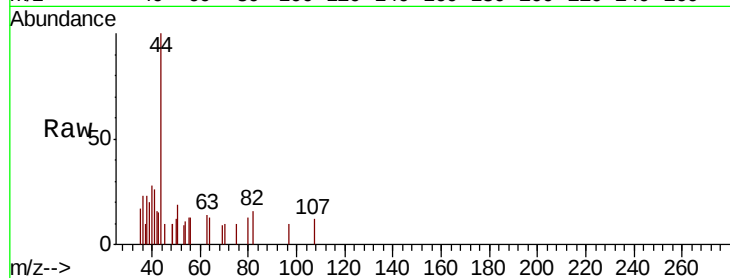
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 206

Ion Ratio Lower Upper

56 100

55 25.2 56.9 85.3#



#15

Acrylonitrile

Concen: 0.218 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX010744.D

Acq: 09 Jul 2019 12:40

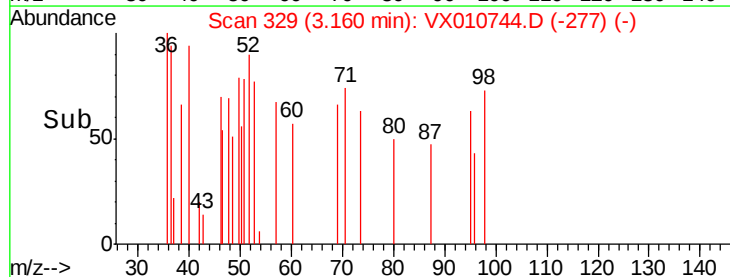
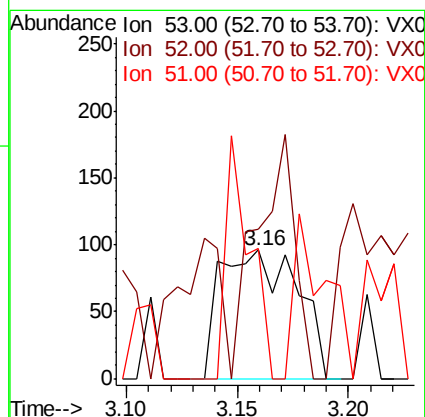
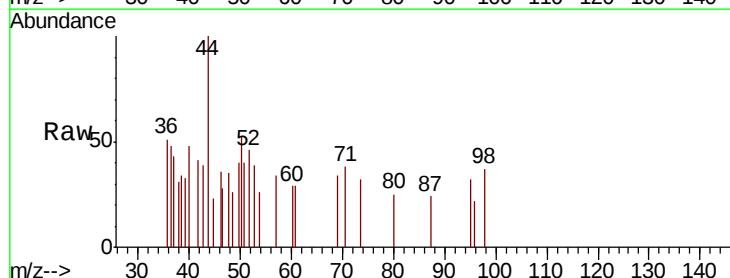
Tgt Ion: 53 Resp: 231

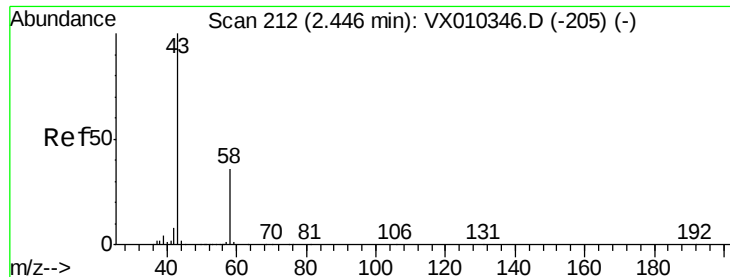
Ion Ratio Lower Upper

53 100

52 95.2 65.5 98.3

51 51.9 28.2 42.4#





#16

Acetone

Concen: 1.120 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010744.D

Acq: 09 Jul 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

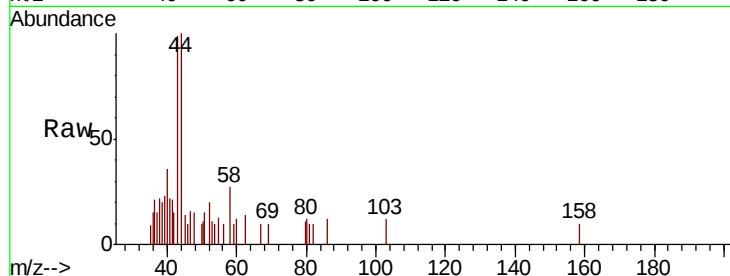
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 1146

Ion Ratio Lower Upper

43 100

58 27.2 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

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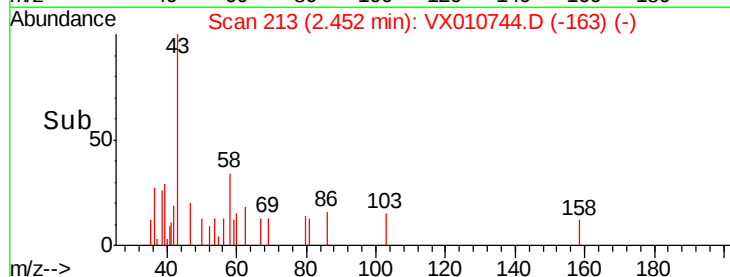
2.45

2.45

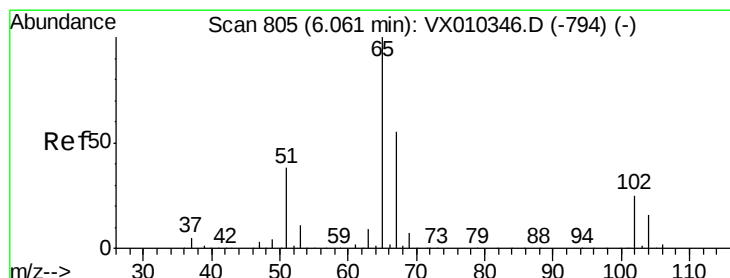
2.45

2.45

2.45



Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.608 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010744.D

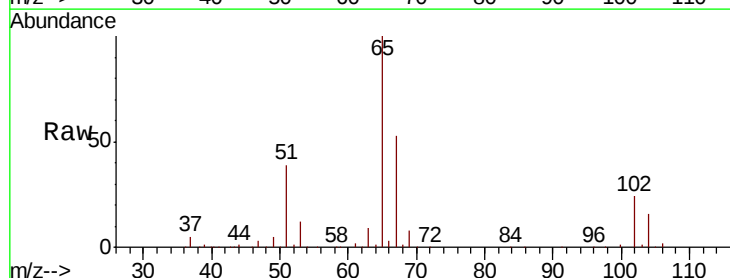
Acq: 09 Jul 2019 12:40

Tgt Ion: 65 Resp: 109486

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

6.06

6.06

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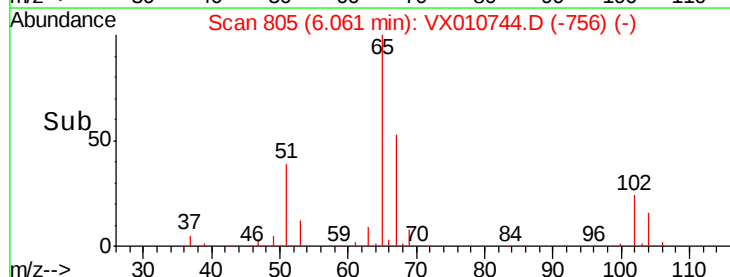
6.06

6.06

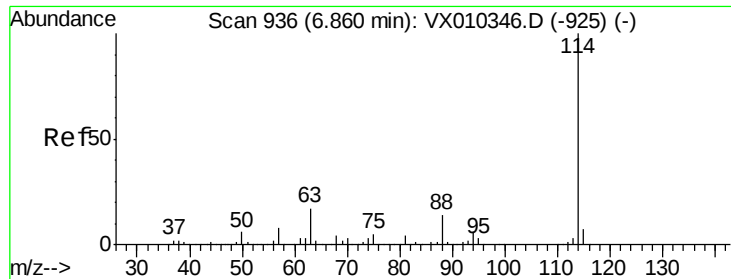
6.06

6.06

6.06



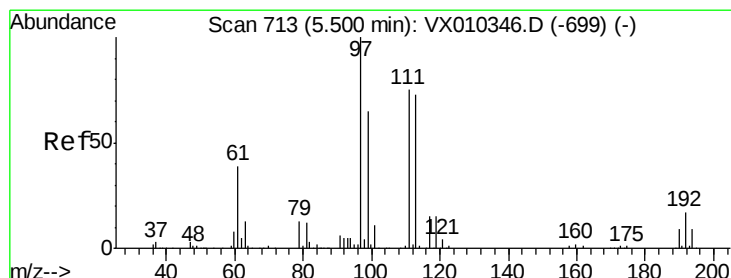
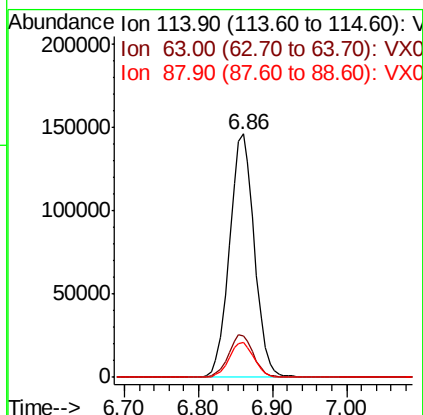
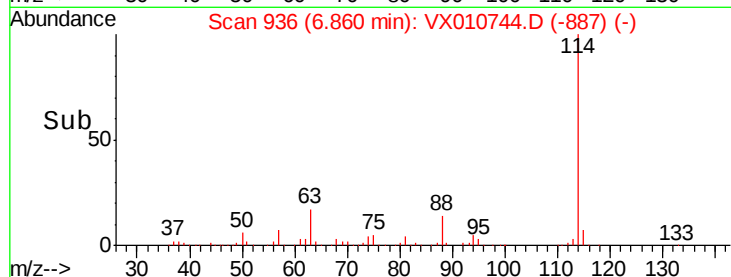
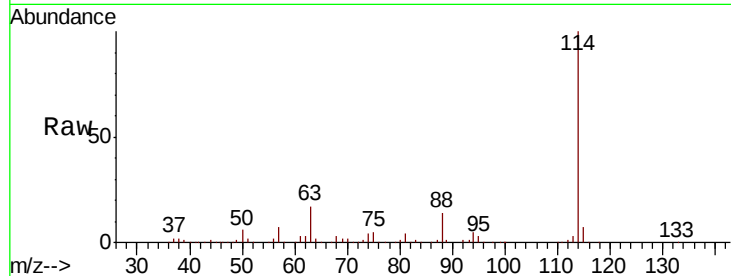
Time-->



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010744.D
 Acq: 09 Jul 2019 12:40

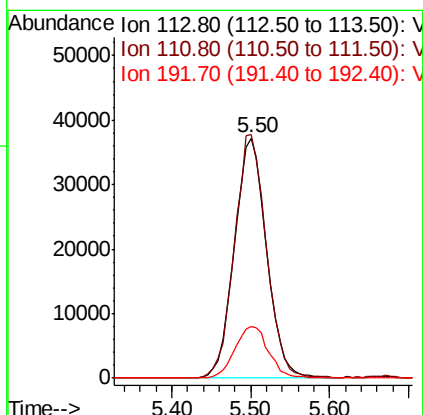
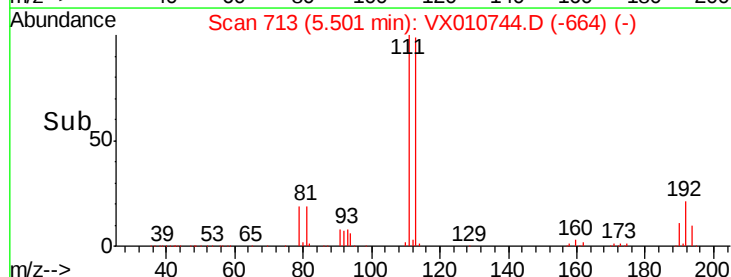
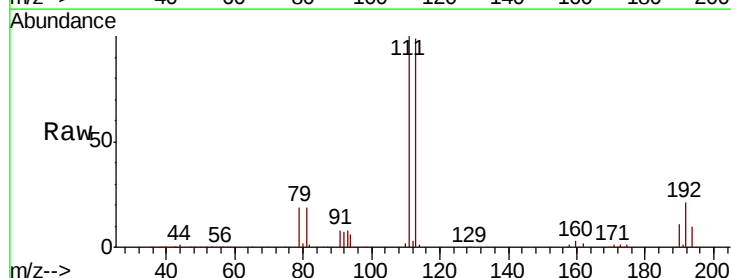
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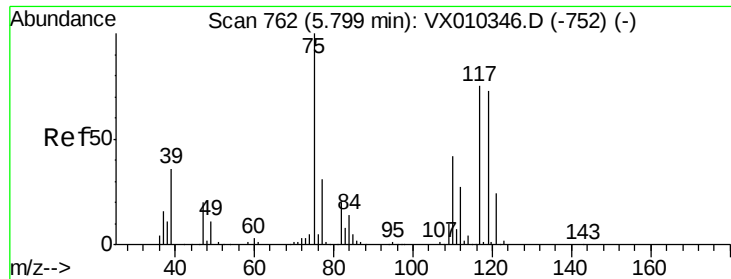
Tot Ion:114 Resp: 341204
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 33.8
 88 14.1 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 50.547 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010744.D
 Acq: 09 Jul 2019 12:40

Tgt Ion:113 Resp: 105523
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.2 121.8
 192 22.3 18.6 27.8

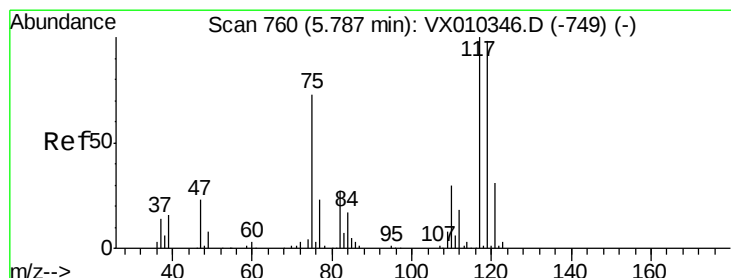
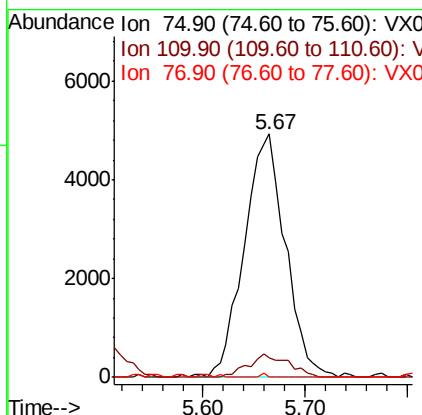
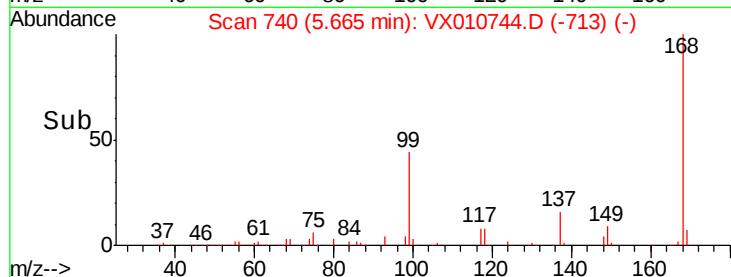
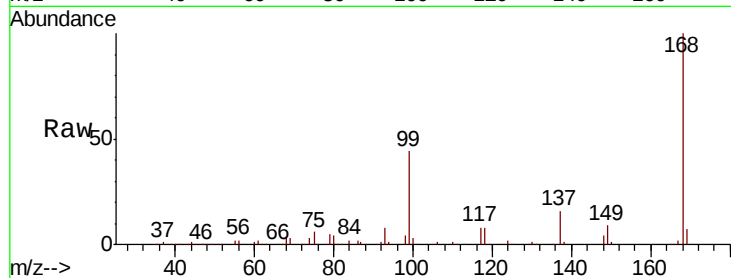




#36
 1,1-Dichloropropene
 Concen: 5.106 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010744.D
 Acq: 09 Jul 2019 12:40

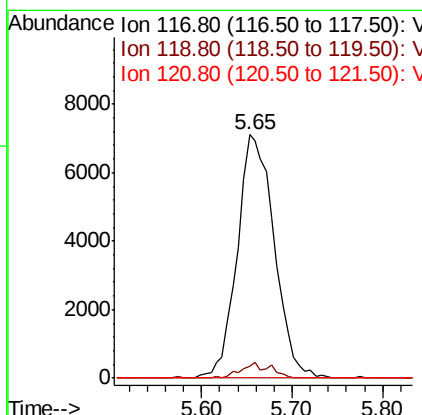
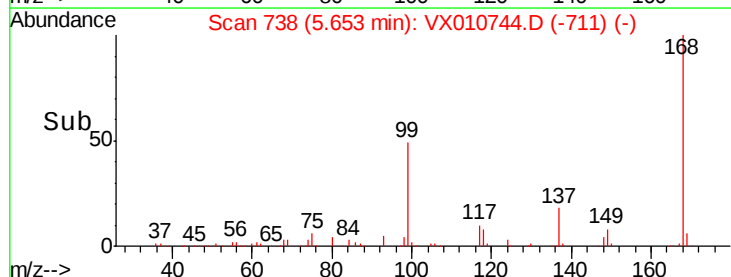
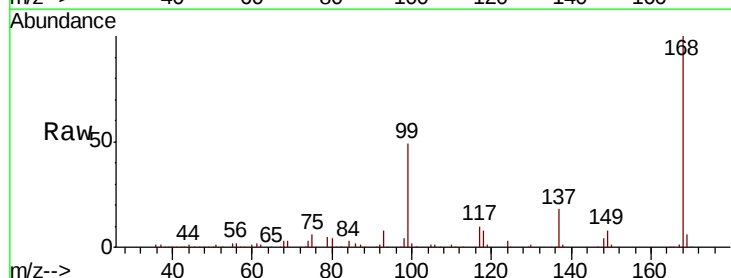
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

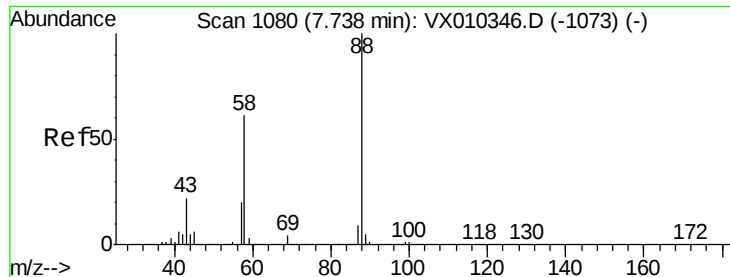
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	20.8	62.2#
77	0.3	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.823 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010744.D
 Acq: 09 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.4#
121	0.0	24.7	37.1#

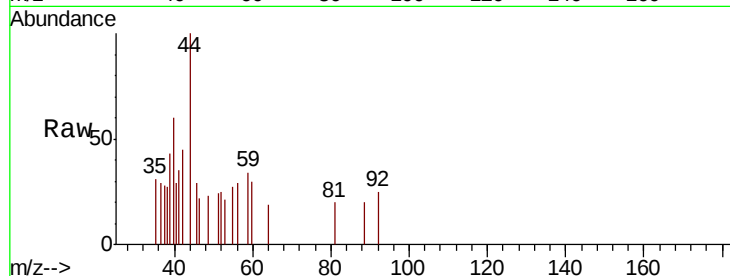




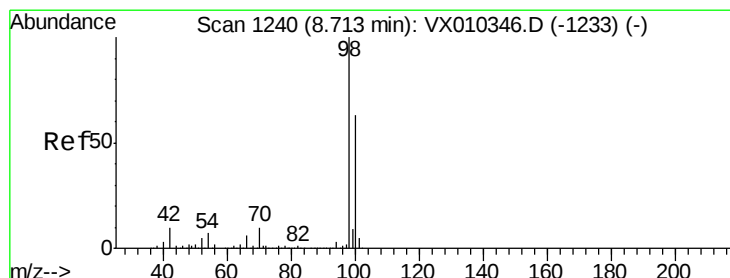
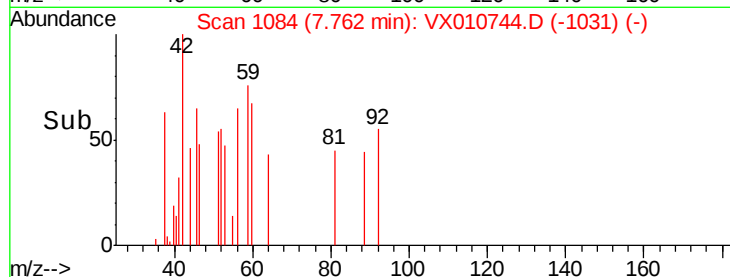
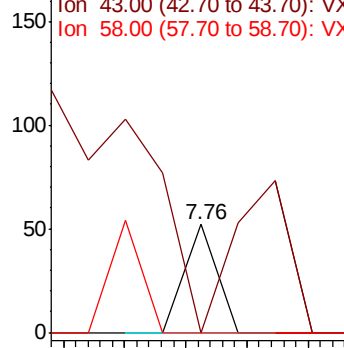
#49
1,4-Dioxane
Concen: 0.307 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010744.D
Acq: 09 Jul 2019 12:40

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

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 242.1 20.2 30.2#
58 0.0 49.5 74.3#

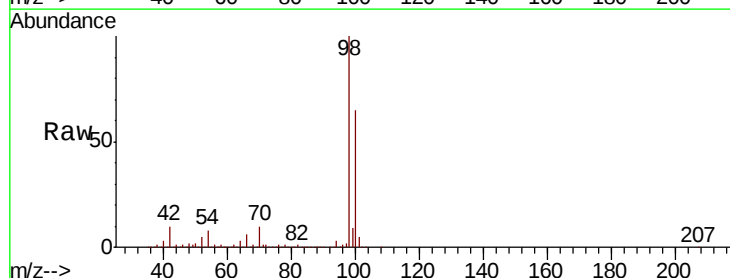


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

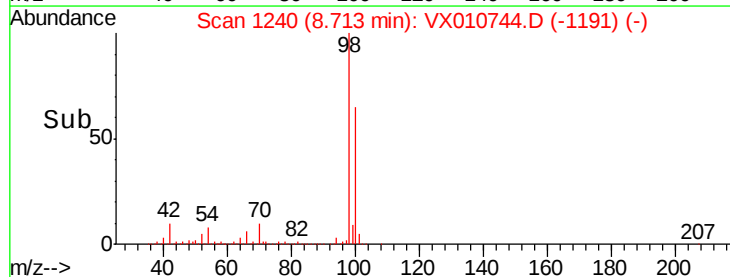
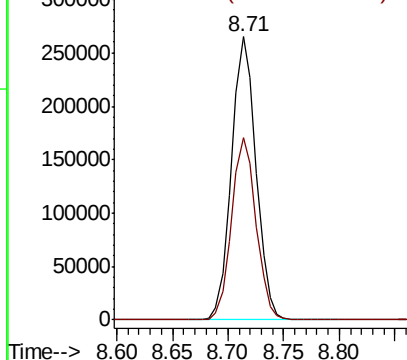


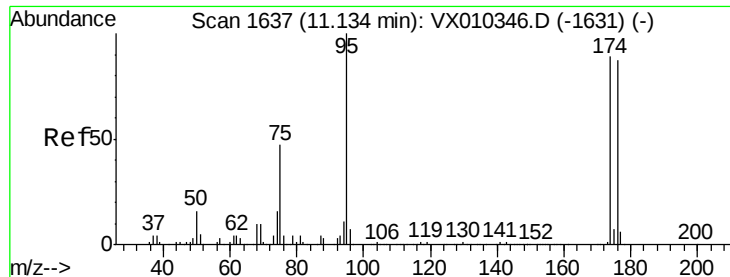
#50
Toluene-d8
Concen: 50.611 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010744.D
Acq: 09 Jul 2019 12:40

Tgt Ion: 98 Resp: 404223
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 47.898 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010744.D

Acq: 09 Jul 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

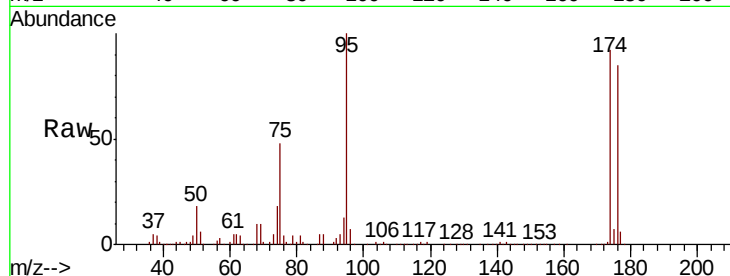
Tot Ion: 95 Resp: 138112

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.6

176 90.7 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

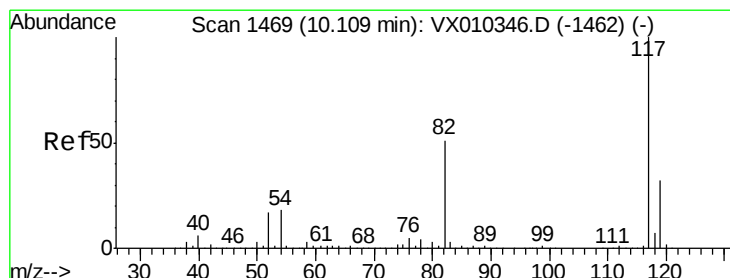
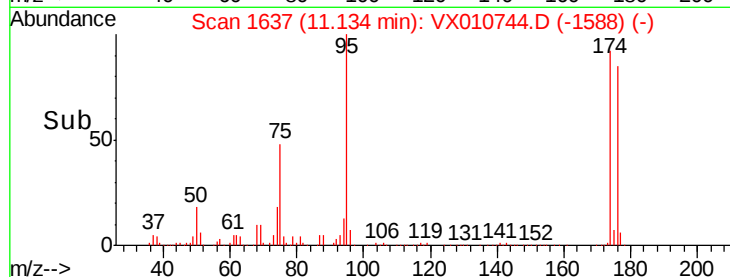
11.13

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010744.D

Acq: 09 Jul 2019 12:40

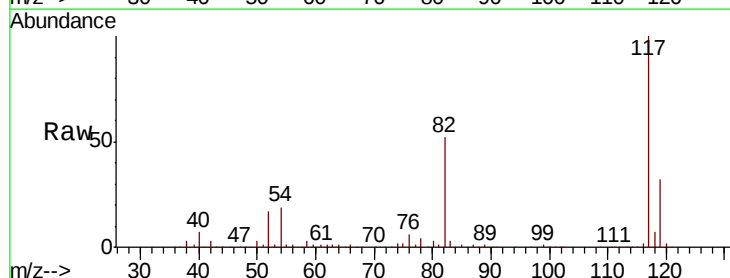
Tgt Ion: 117 Resp: 315213

Ion Ratio Lower Upper

117 100

82 52.1 41.2 61.8

119 31.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

10.11

300000

250000

200000

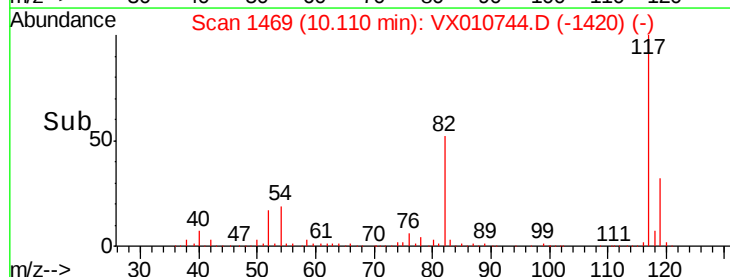
150000

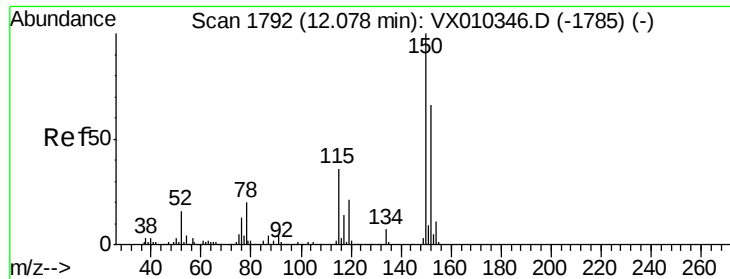
100000

50000

0

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: VX010744.D

Acq: 09 Jul 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

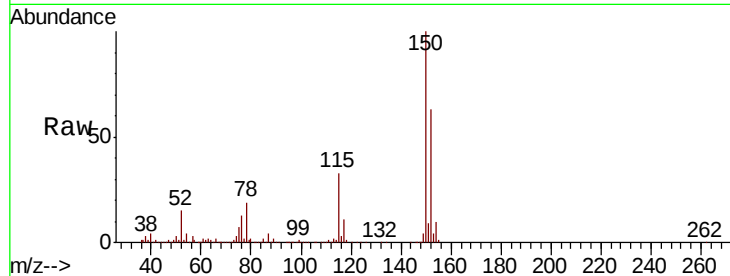
Tot Ion:152 Resp: 146618

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

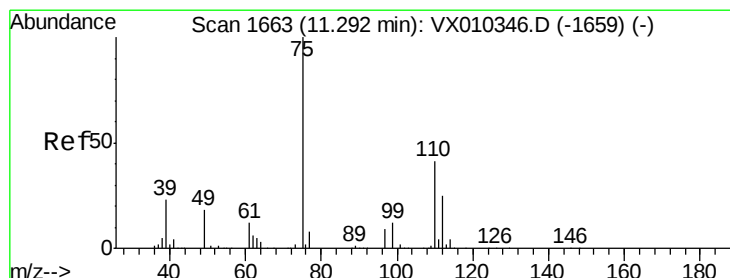
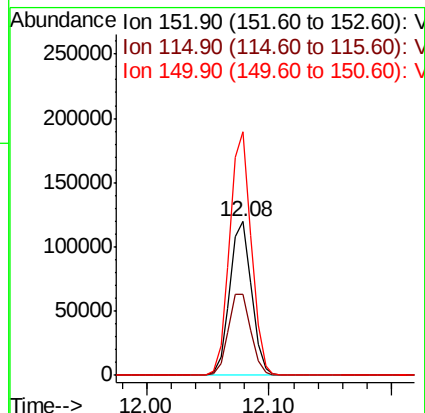
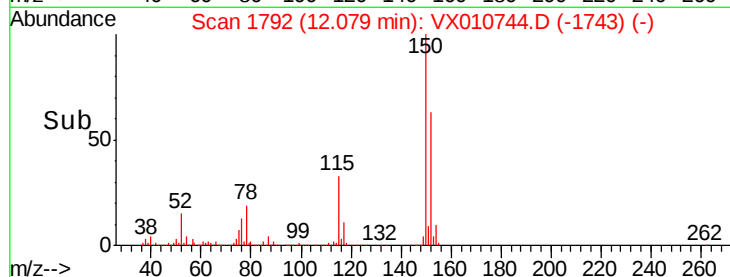
150 157.3 0.0 347.4



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: 25.056 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010744.D

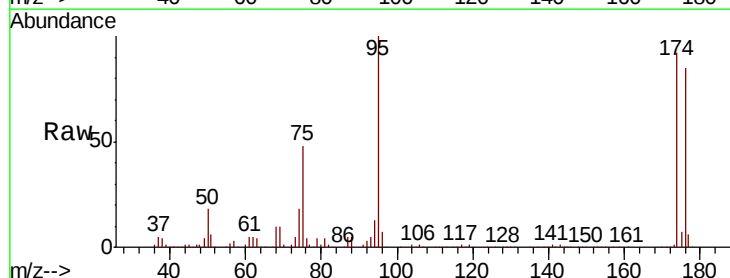
Acq: 09 Jul 2019 12:40

Tgt Ion: 75 Resp: 66943

Ion Ratio Lower Upper

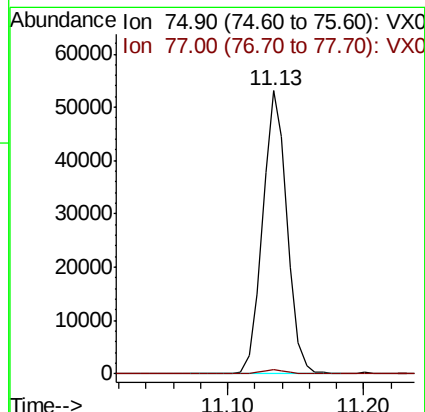
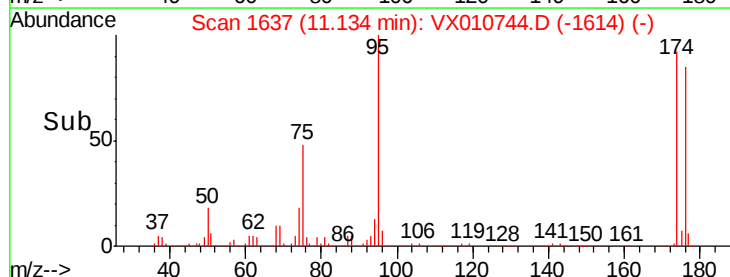
75 100

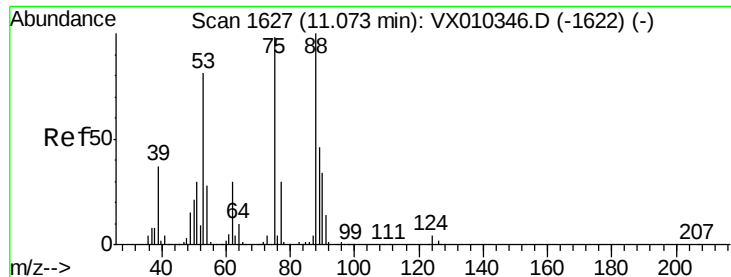
77 1.6 22.6 67.8#



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: 58.452 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010744.D
 Acq: 09 Jul 2019 12:40

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

Tot Ion: 75 Resp: 66943
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.1 37.8 56.6#

