

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004734.D
 Acq On : 26 Sep 2018 18:48
 Operator : JC/MD
 Sample : J5060-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Sep 27 01:13:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	255522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209263	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	195294	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	5.51	113	163176	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	8.72	98	556699	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	198599	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	

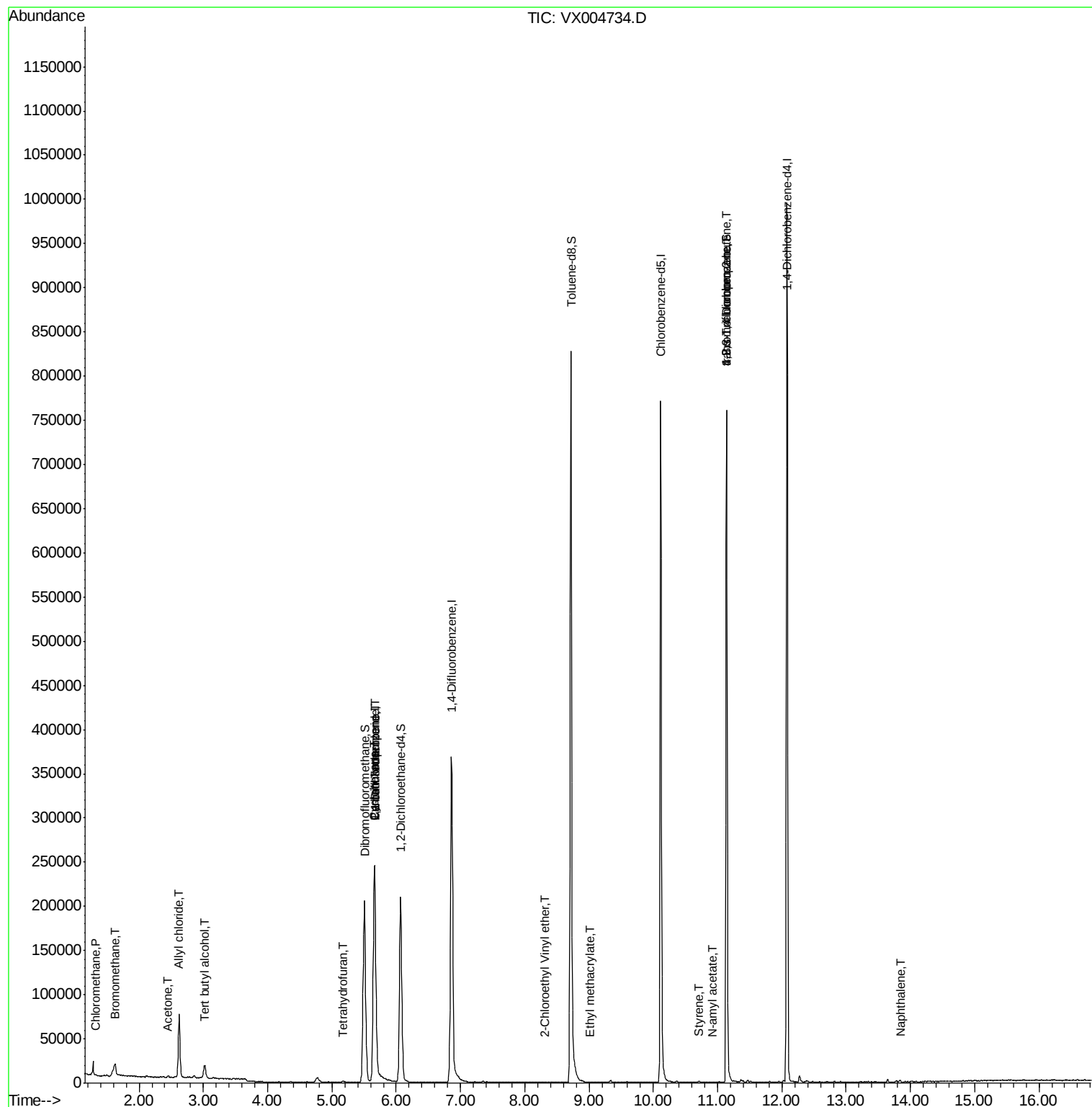
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1025	0.242	ug/l	90
5) Bromomethane	1.64	94	591	0.251	ug/l	83
6) Chloroethane	1.66	64	389	Below Cal	#	58
11) Tert butyl alcohol	3.01	59	9558	9.365	ug/l #	76
14) Allyl chloride	2.62	41	7415	1.227	ug/l #	69
16) Acetone	2.45	43	2256	1.059	ug/l #	88
20) Methylene Chloride	2.85	84	1178	Below Cal	#	81
29) Tetrahydrofuran	5.17	42	839	0.430	ug/l #	69
31) Cyclohexane	5.65	56	5086	1.095	ug/l #	22
36) 1,1-Dichloropropene	5.66	75	17174	3.882	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22989	4.943	ug/l #	16
56) Ethyl methacrylate	9.02	69	44	2.870	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	82	14.269	ug/l #	45
70) Styrene	10.72	104	406	2.179	ug/l #	89
74) N-amyl acetate	10.91	43	61	1.756	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	99334	21.178	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	389	Below Cal		87
81) trans-1,4-Dichloro-2-buten	11.14	75	99334	57.453	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	499	Below Cal		79
95) Naphthalene	13.83	128	1086	0.781	ug/l #	93

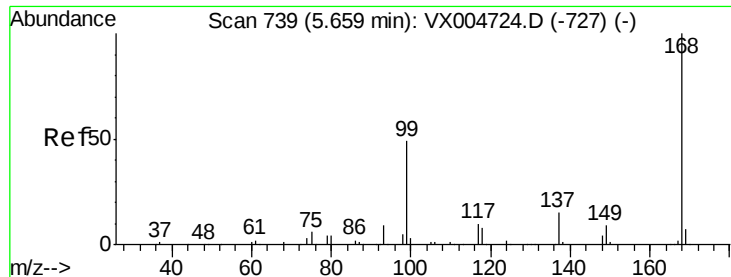
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

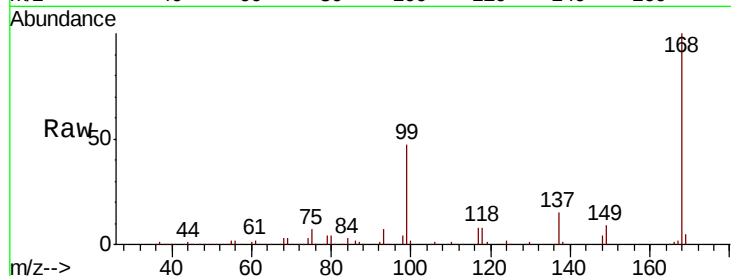
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 25522

Ion Ratio Lower Upper

168 100

99 47.4 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

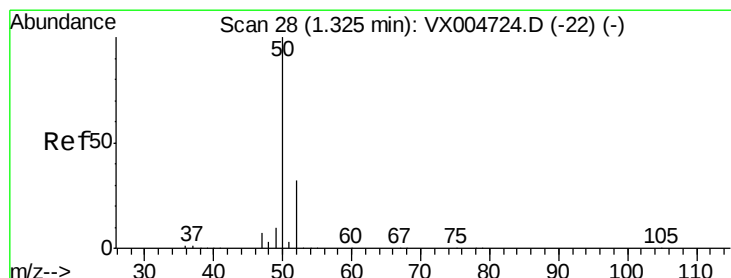
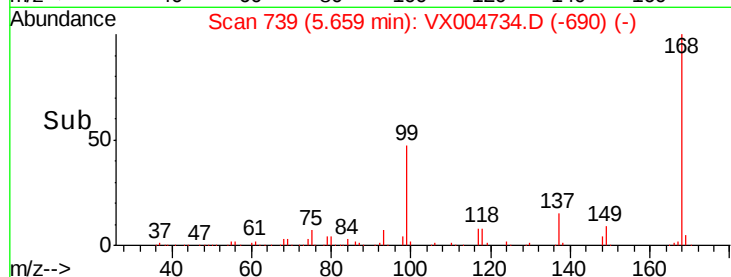
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.242 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004734.D

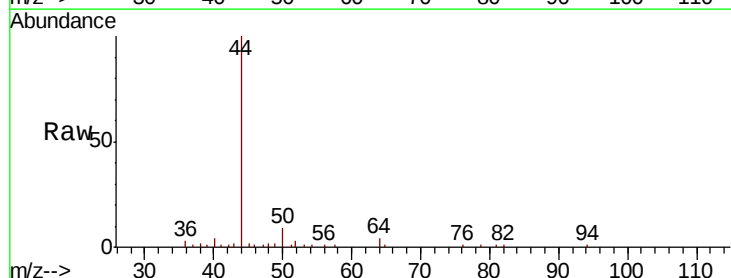
Acq: 26 Sep 2018 18:48

Tgt Ion: 50 Resp: 1025

Ion Ratio Lower Upper

50 100

52 38.1 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

500

400

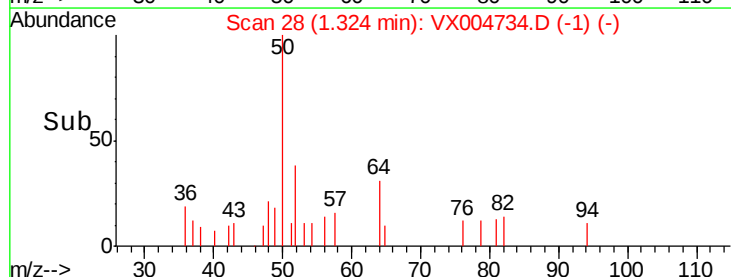
300

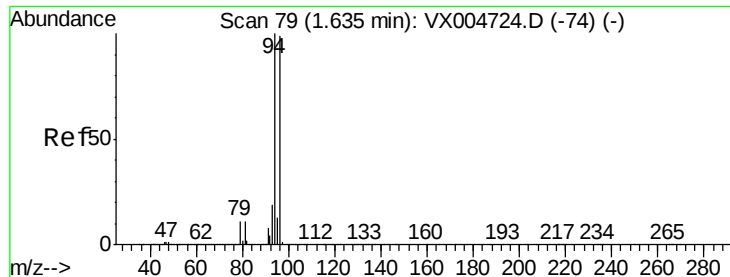
200

100

0

Time-->





#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

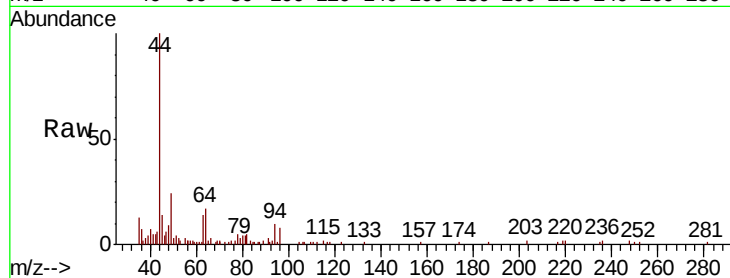
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 591

Ion Ratio Lower Upper

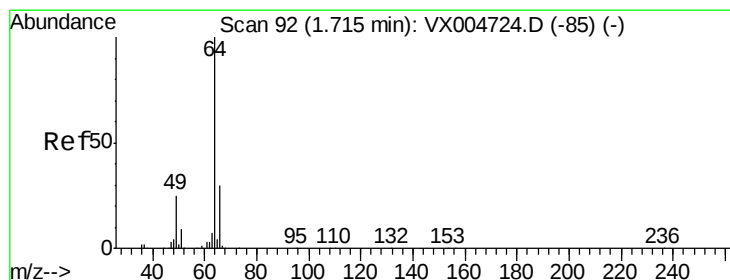
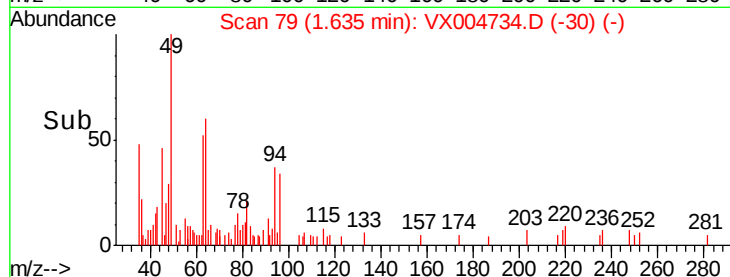
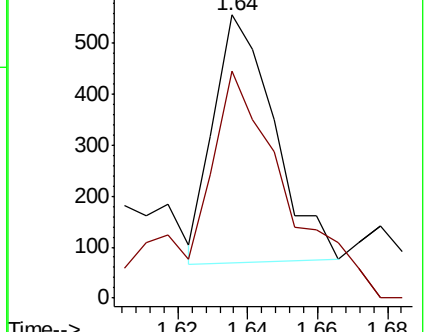
94 100

96 77.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX004734.D

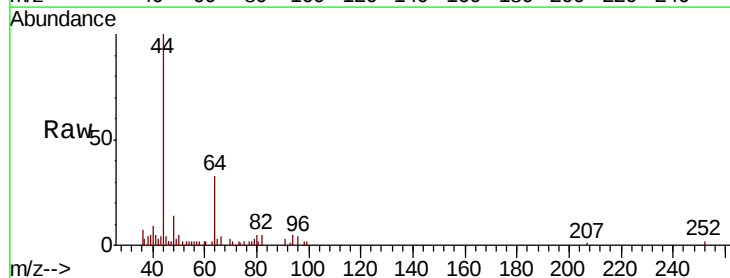
Acq: 26 Sep 2018 18:48

Tgt Ion: 64 Resp: 389

Ion Ratio Lower Upper

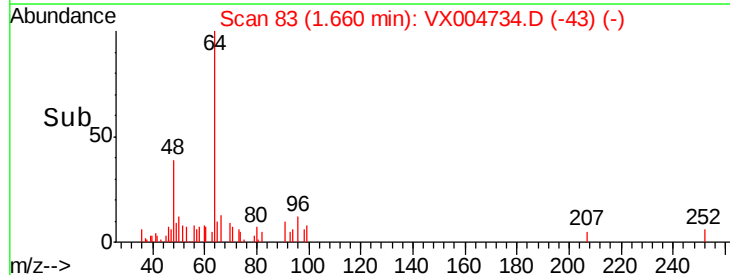
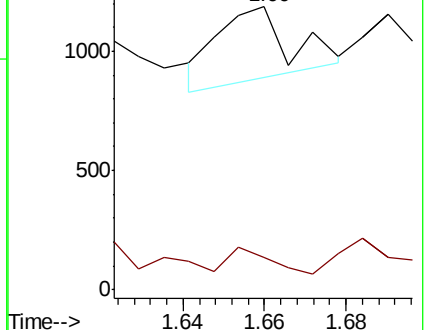
64 100

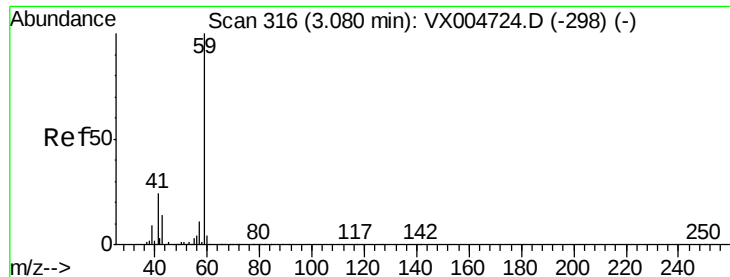
66 7.6 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

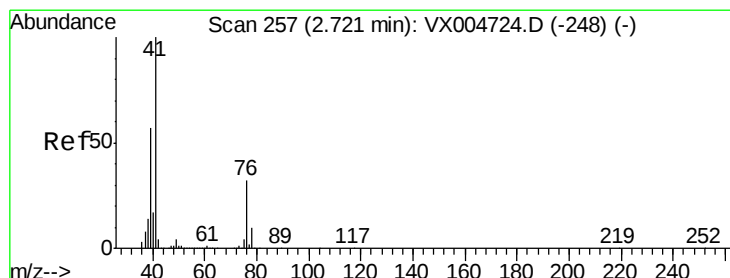
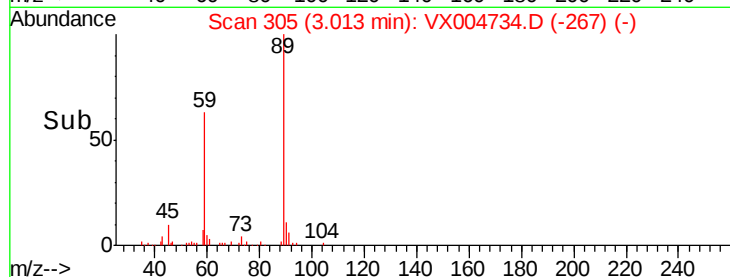
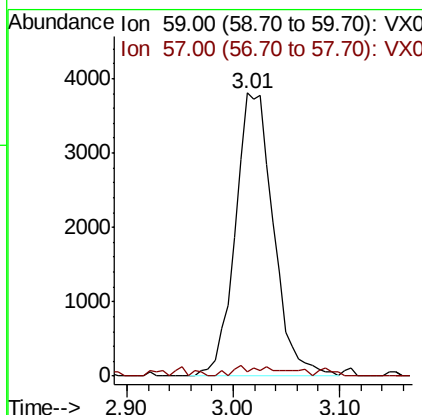
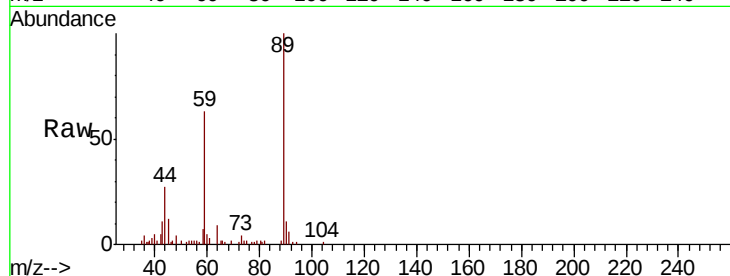




#11
Tert butyl alcohol
Concen: 9.365 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004734.D
Acq: 26 Sep 2018 18:48

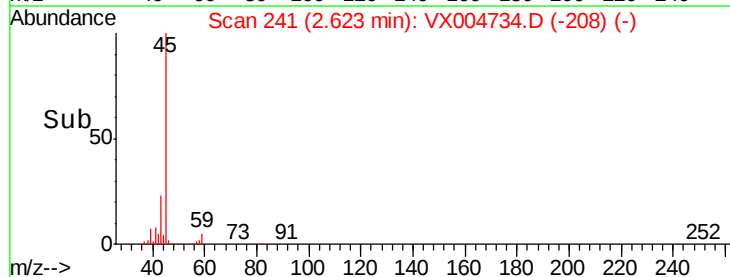
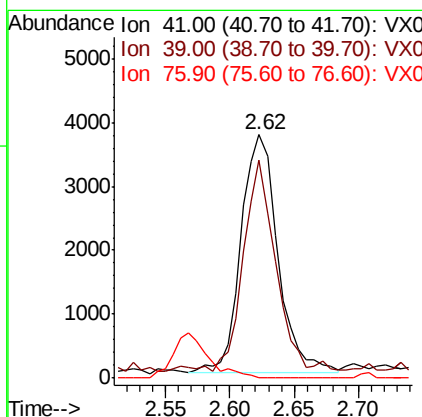
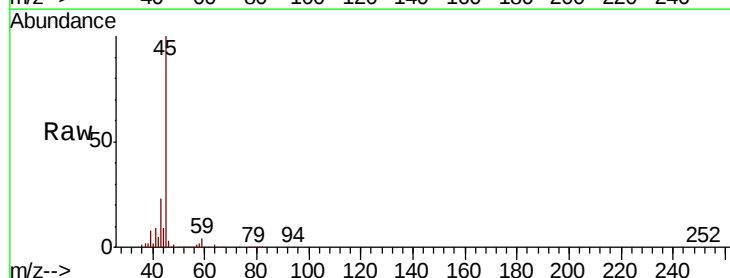
Instrument :
MSVOA_X
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STORAGE-BLANK-WATER-REF-4

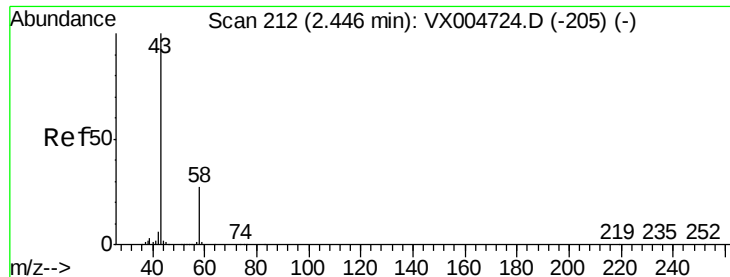
Tot Ion: 59 Resp: 9558
Ion Ratio Lower Upper
59 100
57 1.4 8.2 12.4#



#14
Allyl chloride
Concen: 1.227 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX004734.D
Acq: 26 Sep 2018 18:48

Tgt Ion: 41 Resp: 7415
Ion Ratio Lower Upper
41 100
39 73.2 48.9 73.3
76 0.0 26.7 40.1#





#16

Acetone

Concen: 1.059 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

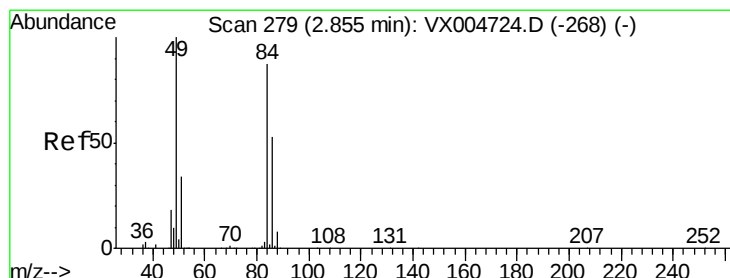
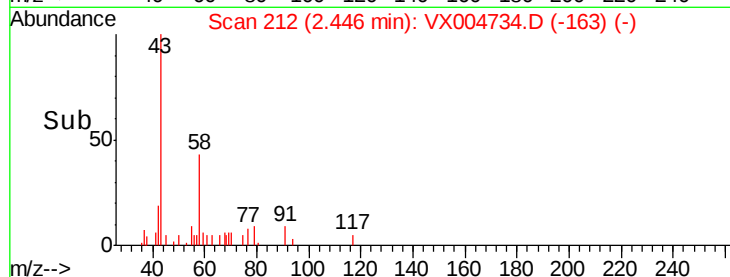
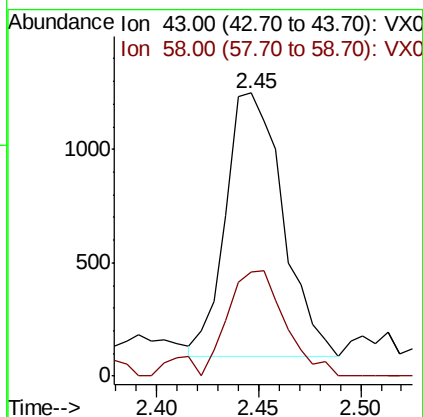
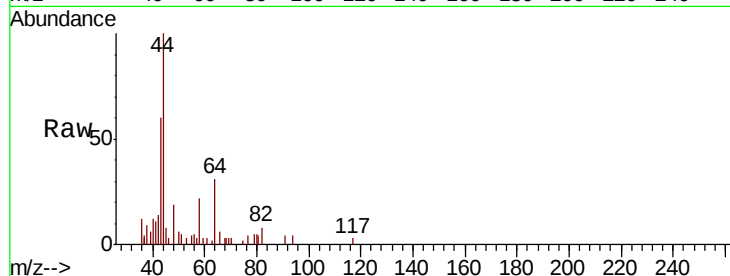
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 2256

Ion Ratio Lower Upper

43 100

58 39.7 26.2 39.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Tgt Ion: 84 Resp: 1178

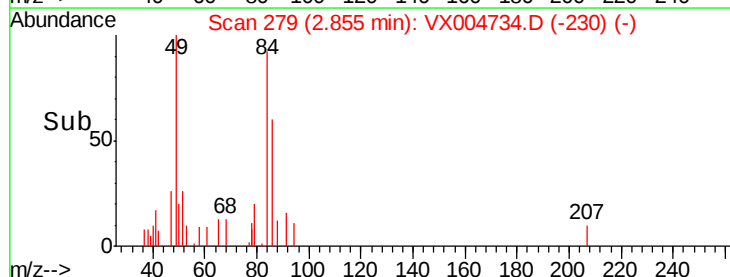
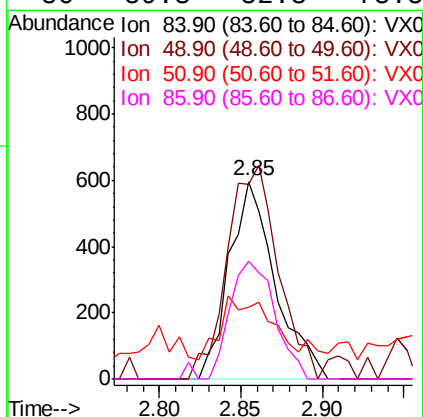
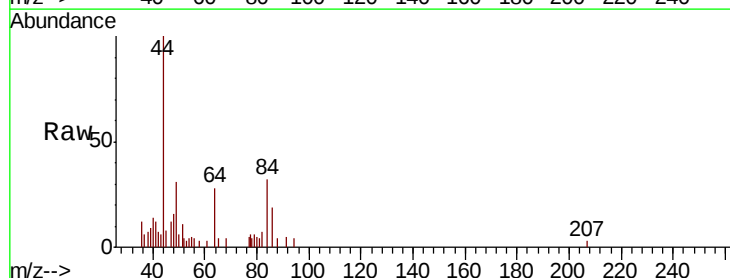
Ion Ratio Lower Upper

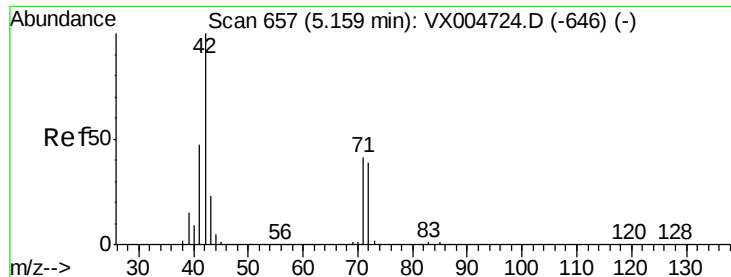
84 100

49 98.2 101.2 151.8#

51 25.3 29.5 44.3#

86 59.3 52.3 78.5





#29

Tetrahydrofuran

Concen: 0.430 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

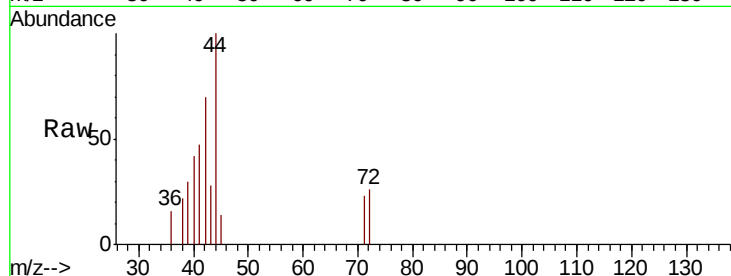
Tot Ion: 42 Resp: 839

Ion Ratio Lower Upper

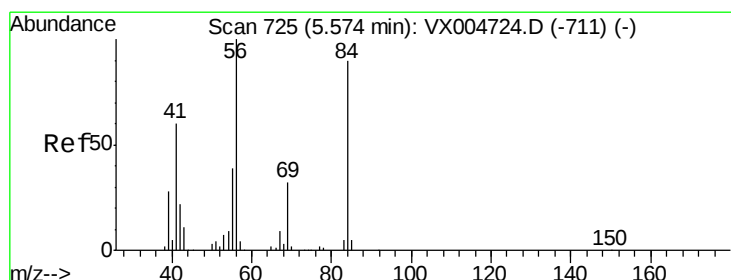
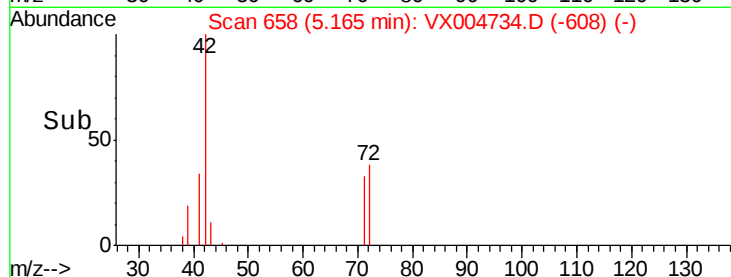
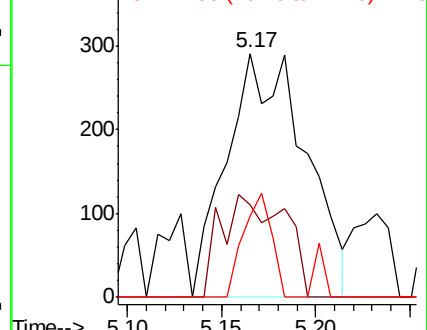
42 100

72 34.0 37.4 56.0#

71 15.4 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



#31

Cyclohexane

Concen: 1.095 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

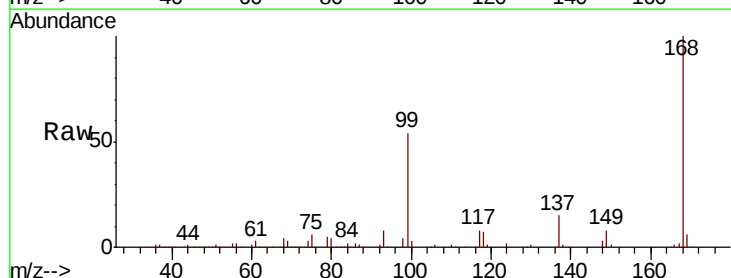
Tgt Ion: 56 Resp: 5086

Ion Ratio Lower Upper

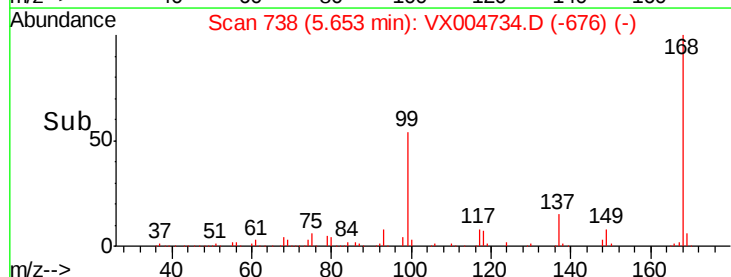
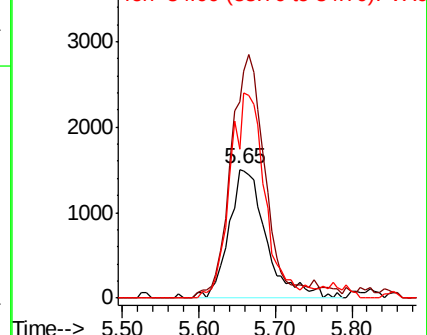
56 100

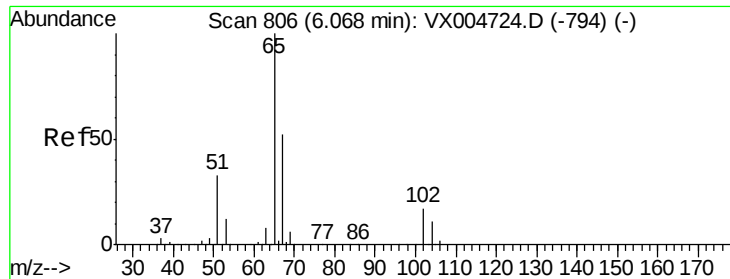
69 152.7 25.4 38.2#

84 115.6 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: 53.503 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

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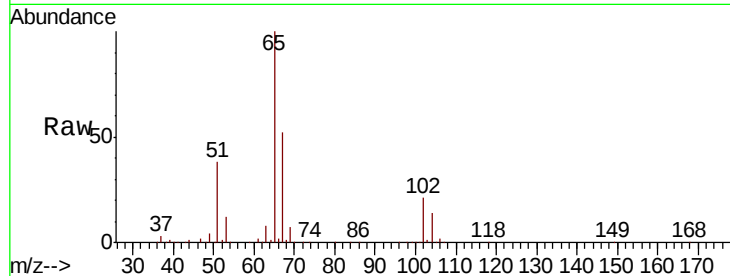
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 195294

Ion Ratio Lower Upper

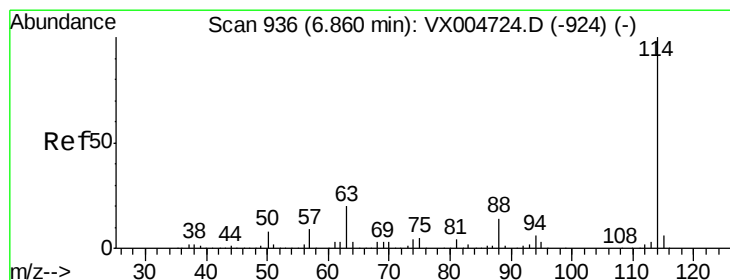
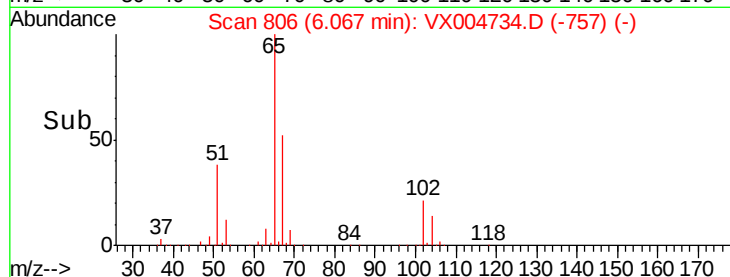
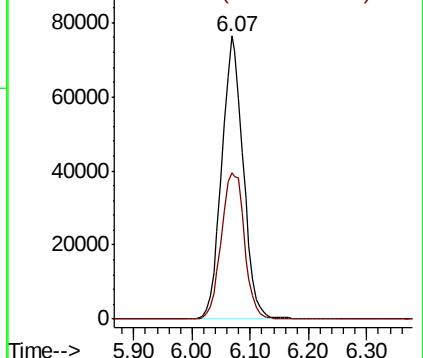
65 100

67 55.8 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: VX004734.D

Acq: 26 Sep 2018 18:48

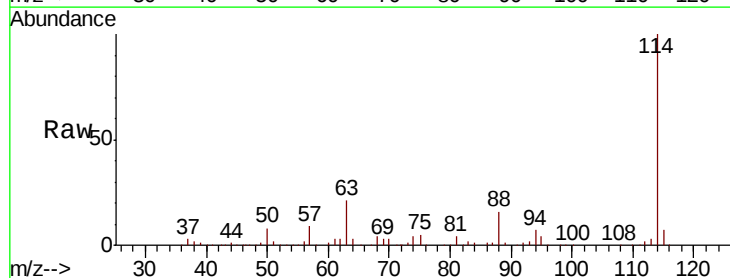
Tgt Ion: 114 Resp: 382597

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.0

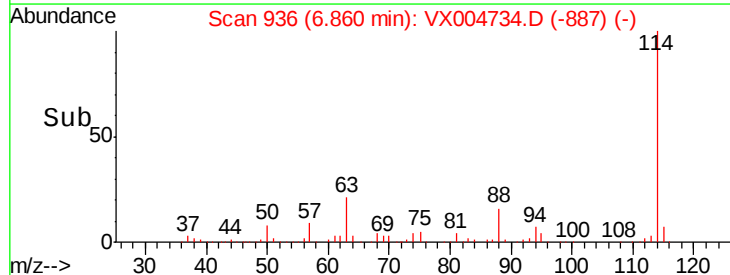
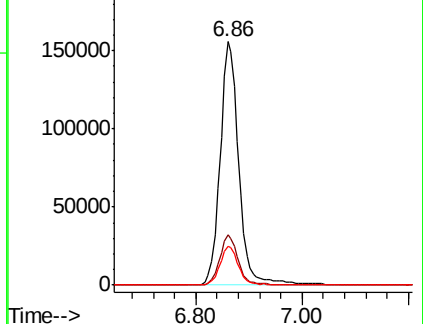
88 15.8 0.0 30.4

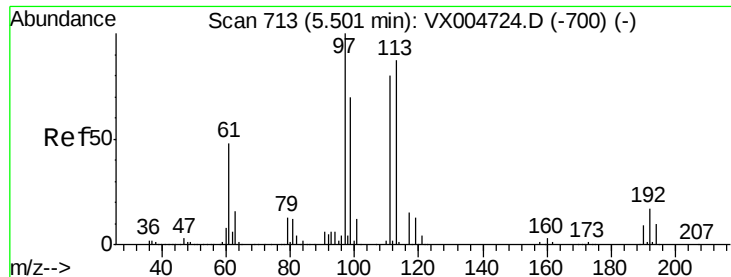


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.323 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

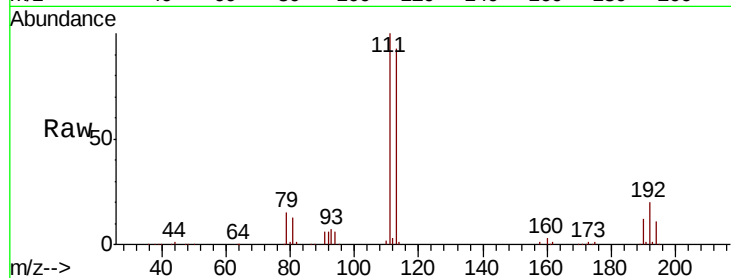
Tot Ion:113 Resp: 163176

Ion Ratio Lower Upper

113 100

111 105.6 82.4 123.6

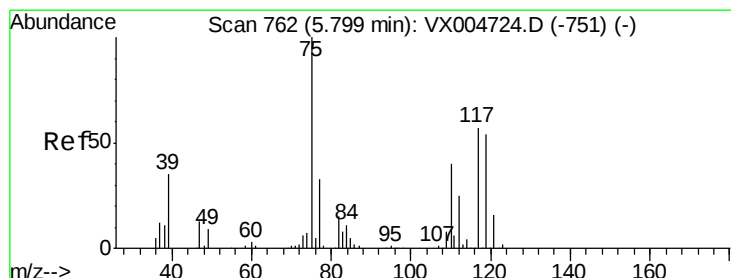
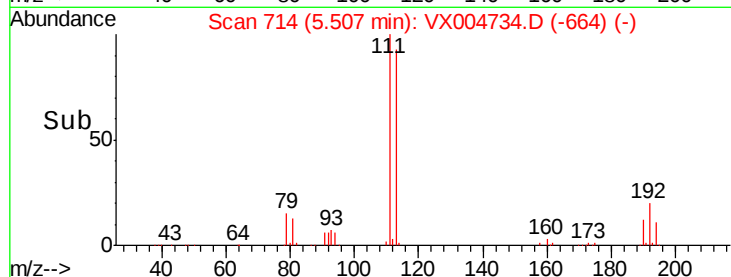
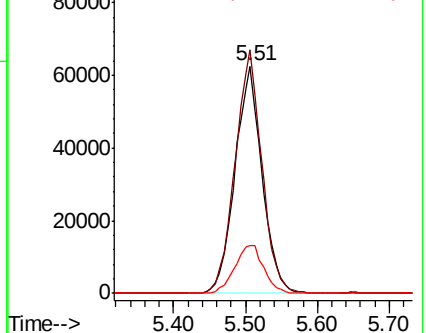
192 22.7 19.4 29.2



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: 3.882 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

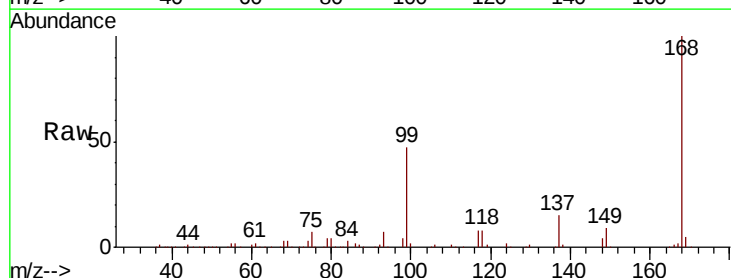
Tgt Ion: 75 Resp: 17174

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

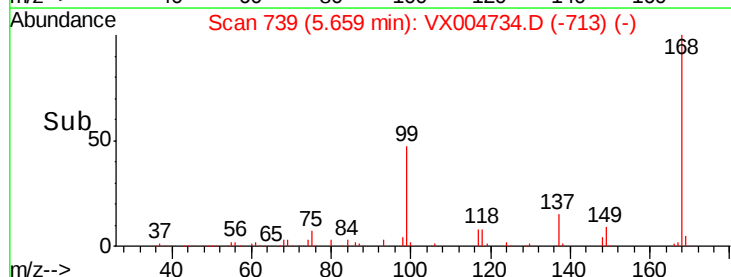
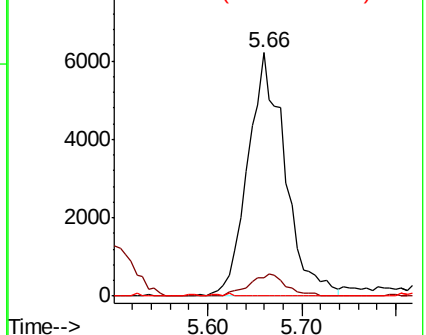
77 0.0 24.6 36.8#

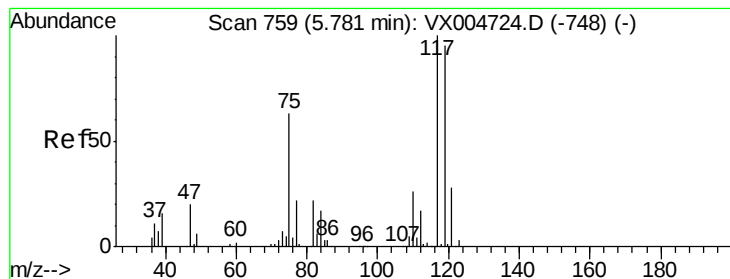


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.943 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

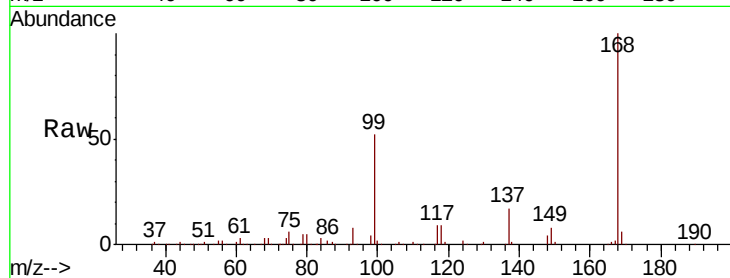
Tot Ion:117 Resp: 22989

Ion Ratio Lower Upper

117 100

119 6.5 78.8 118.2#

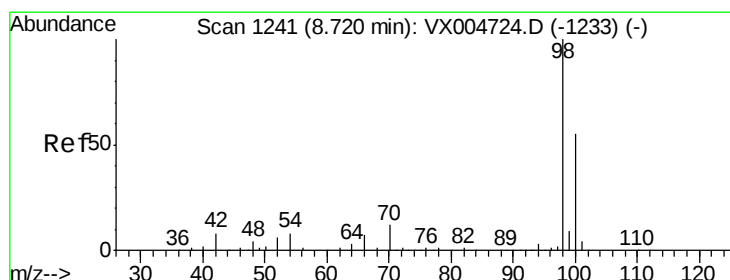
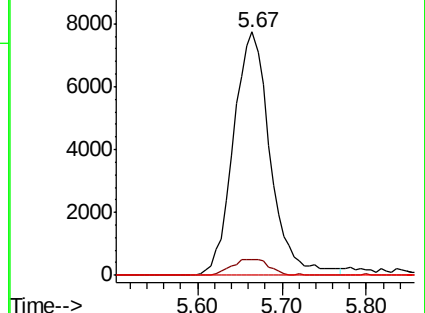
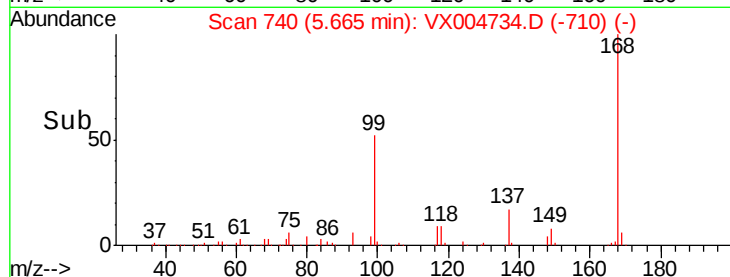
121 0.0 24.9 37.3#



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: 51.643 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004734.D

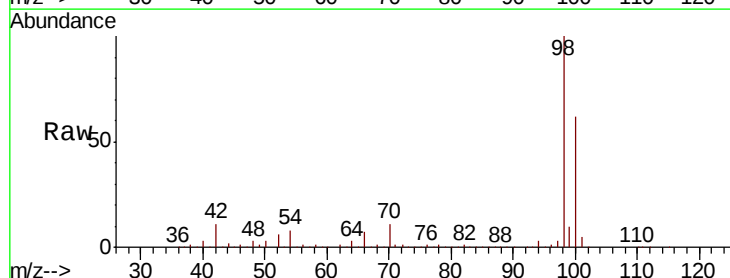
Acq: 26 Sep 2018 18:48

Tgt Ion: 98 Resp: 556699

Ion Ratio Lower Upper

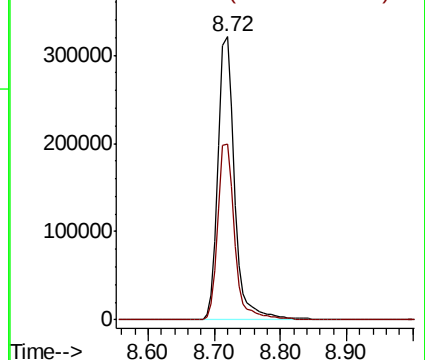
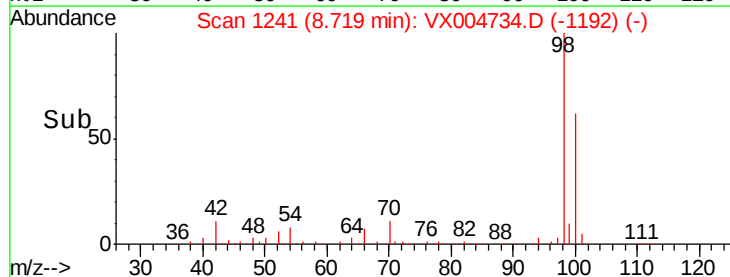
98 100

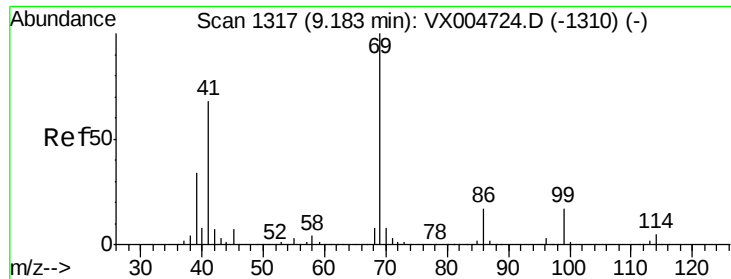
100 63.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

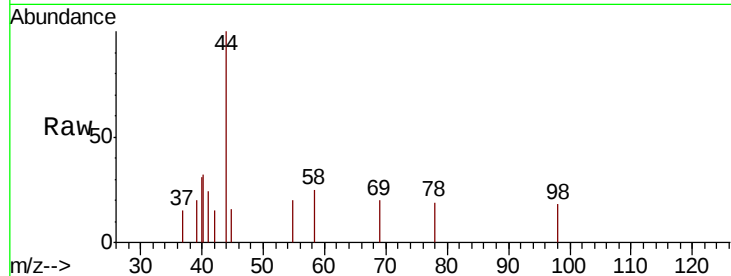




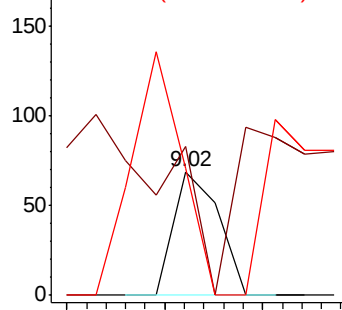
#56
 Ethyl methacrylate
 Concen: 2.870 ug/l
 RT: 9.02 min Scan# 1291
 Delta R.T. -0.16 min
 Lab File: VX004734.D
 Acq: 26 Sep 2018 18:48

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

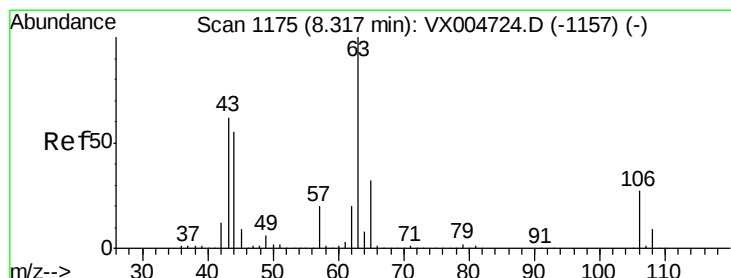
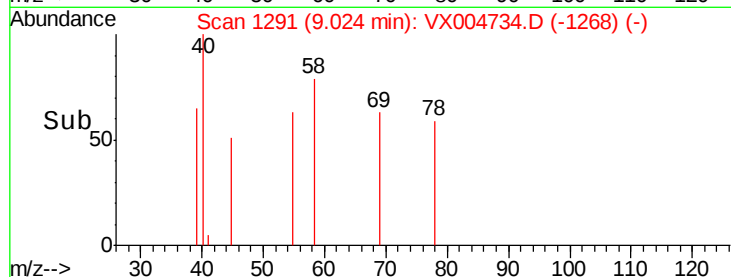
Tot Ion: 69 Resp: 44
 Ion Ratio Lower Upper
 69 100
 41 384.1 51.0 76.4#
 39 222.7 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

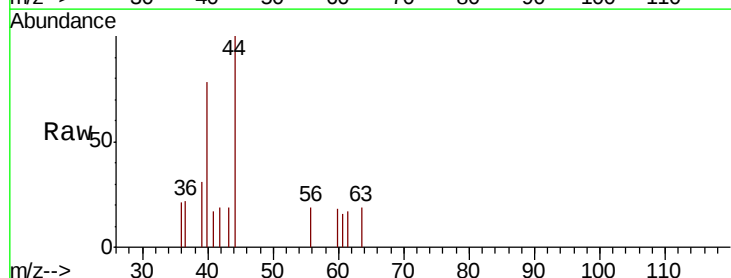


Time-->

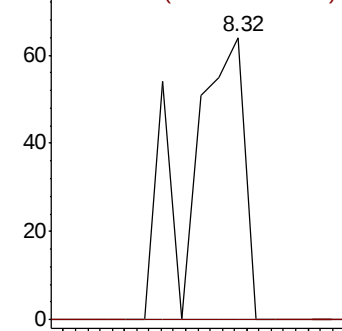


#58
 2-Chloroethyl Vinyl ether
 Concen: 14.269 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004734.D
 Acq: 26 Sep 2018 18:48

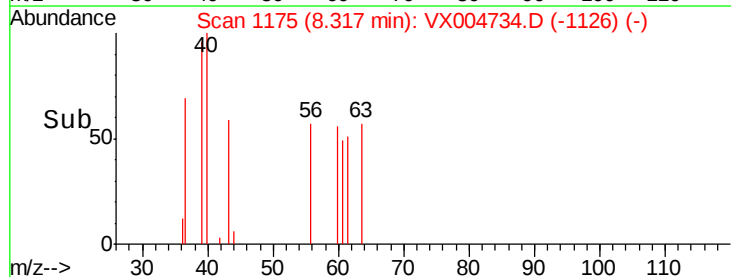
Tgt Ion: 63 Resp: 82
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

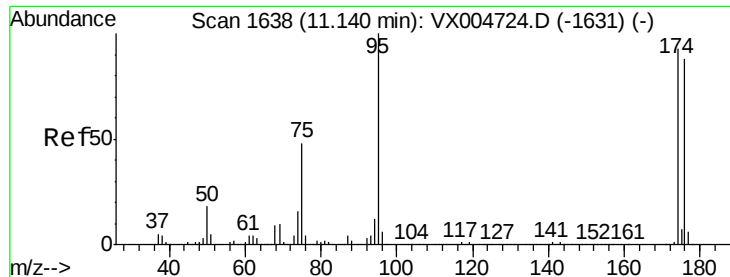


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 105.90 (105.60 to 106.60): V



Time-->





#62

4-Bromofluorobenzene

Concen: 51.139 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

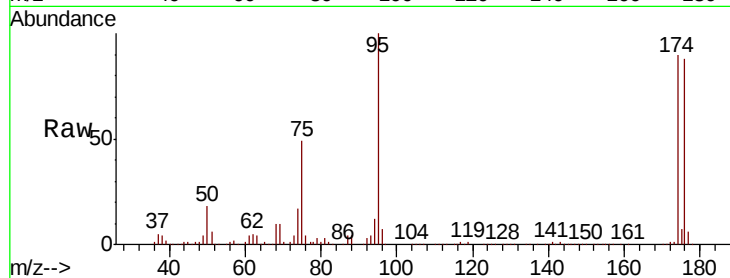
Tot Ion: 95 Resp: 198599

Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.2

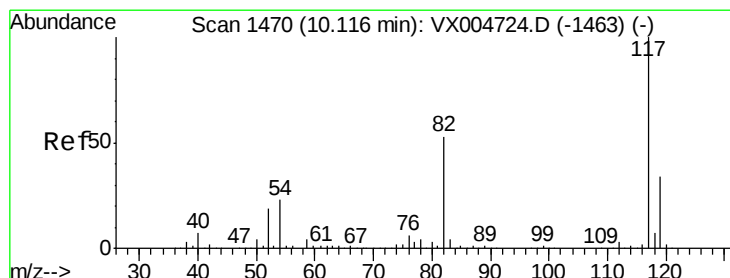
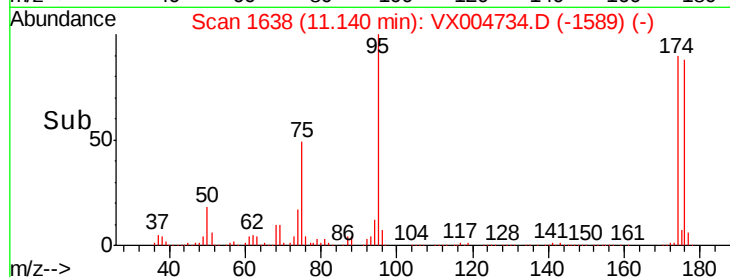
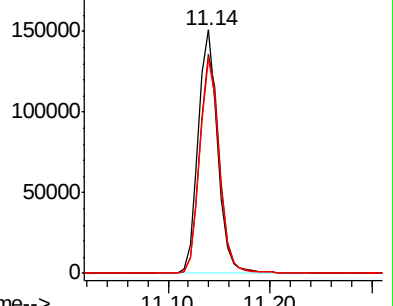
176 88.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

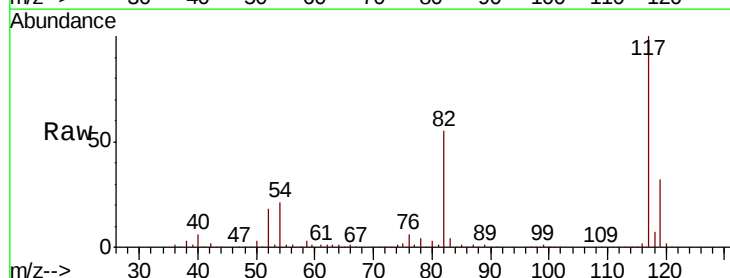
Tgt Ion: 117 Resp: 373599

Ion Ratio Lower Upper

117 100

82 54.8 47.8 71.6

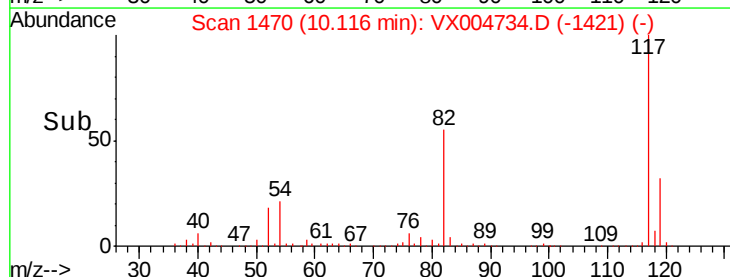
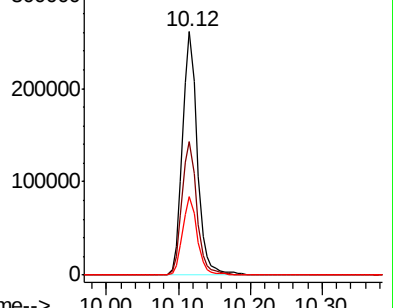
119 32.1 29.3 43.9

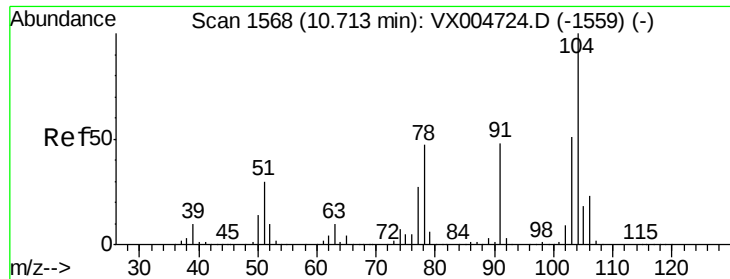


Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)





#70

Stvrene

Concen: 2.179 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

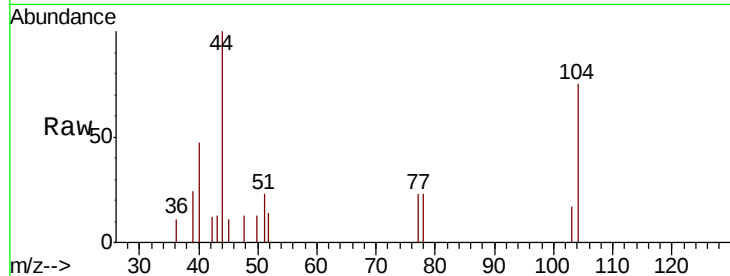
Tot Ion:104 Resp: 406

Ion Ratio Lower Upper

104 100

78 36.5 37.4 56.0#

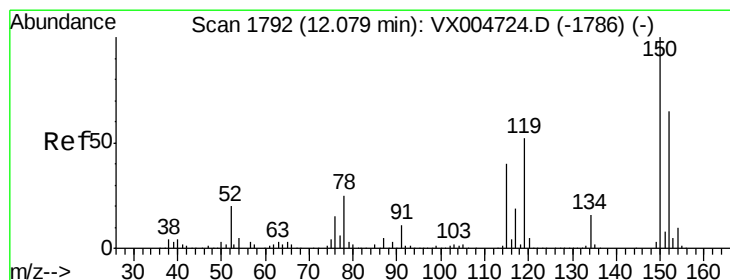
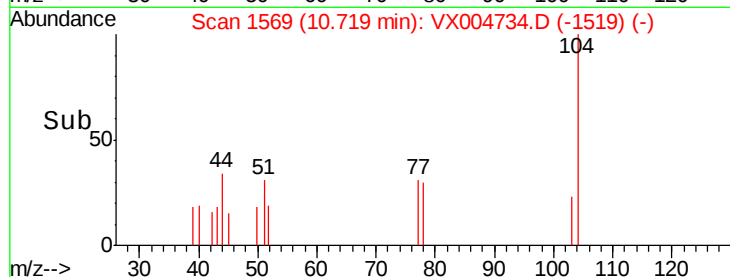
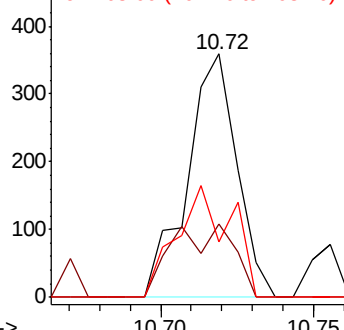
103 49.8 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX004734.D

Acq: 26 Sep 2018 18:48

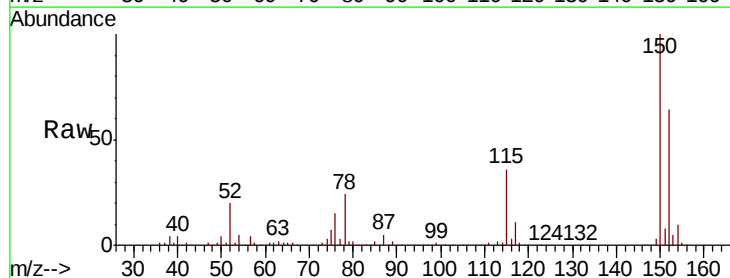
Tgt Ion:152 Resp: 209263

Ion Ratio Lower Upper

152 100

115 55.8 39.0 117.0

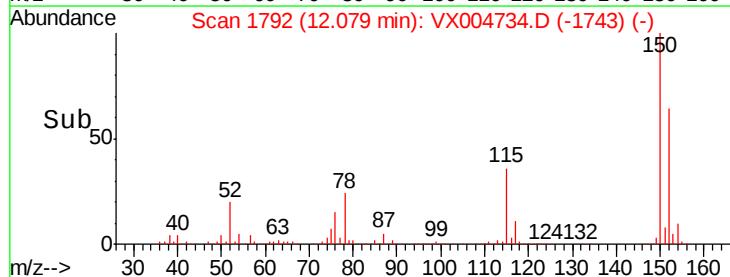
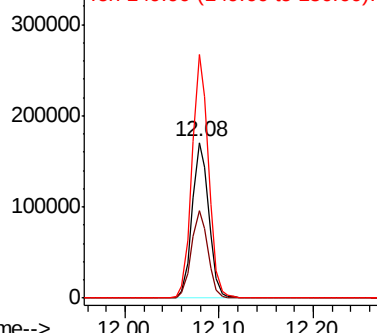
150 155.2 0.0 351.0

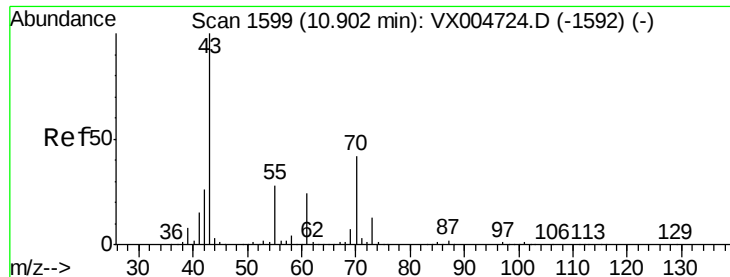


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.756 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX004734.D

Acq: 26 Sep 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 61

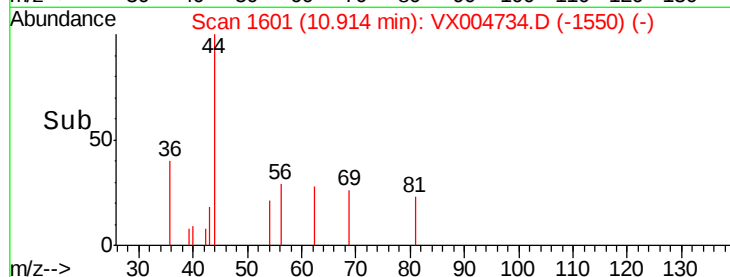
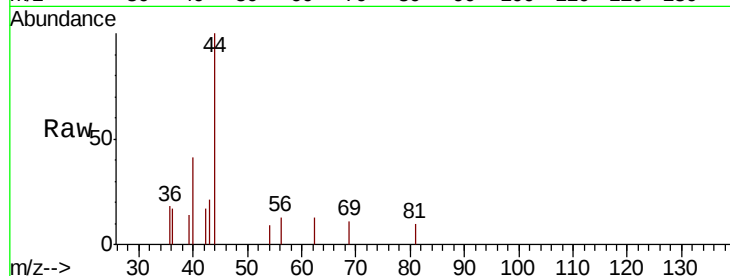
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

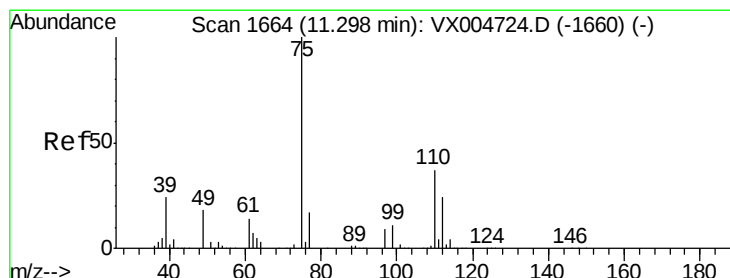
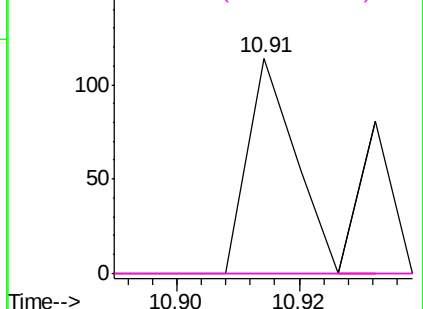


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.178 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004734.D

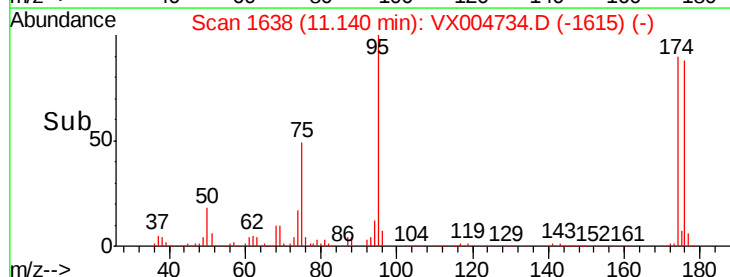
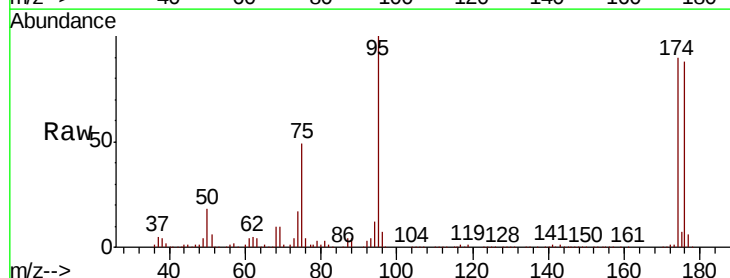
Acq: 26 Sep 2018 18:48

Tgt Ion: 75 Resp: 99334

Ion Ratio Lower Upper

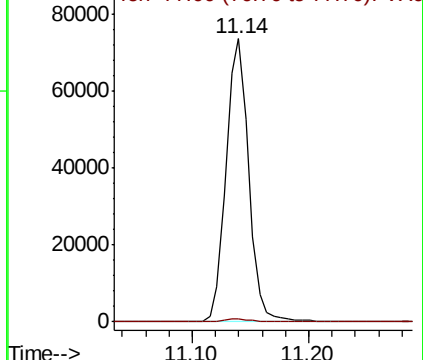
75 100

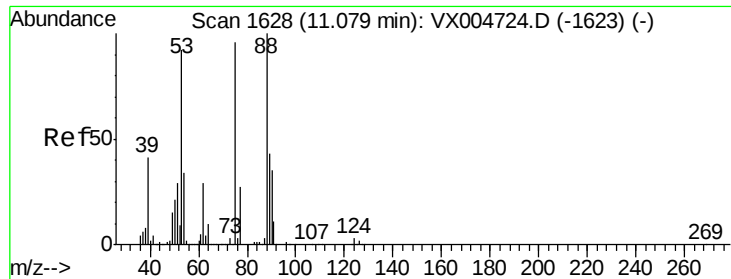
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

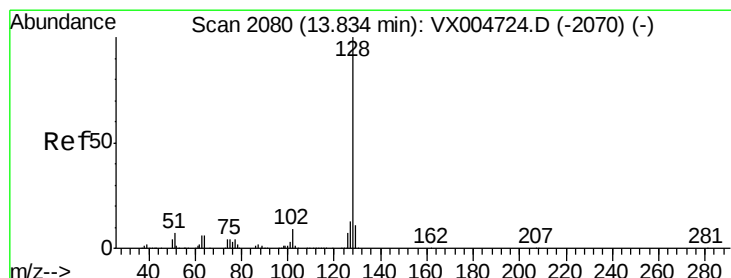
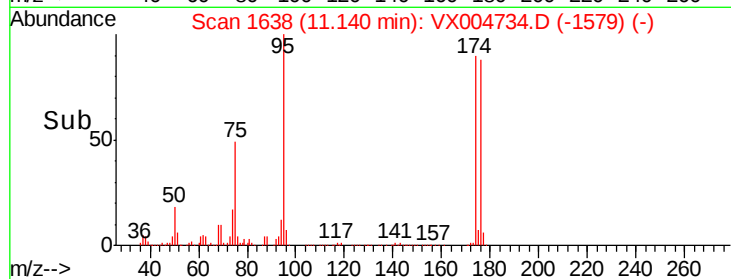
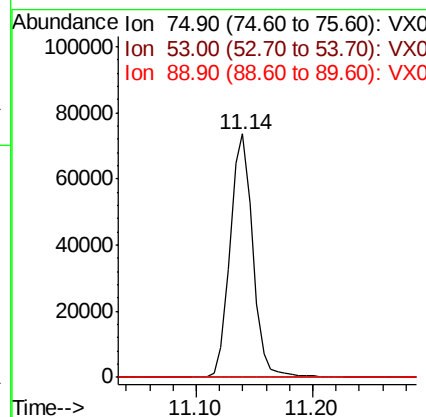
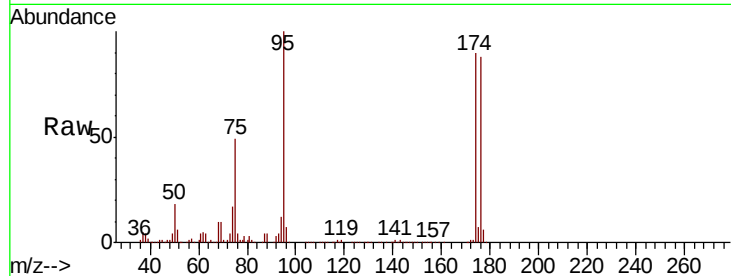




#81
trans-1,4-Dichloro-2-butene
Concen: 57.453 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004734.D
Acq: 26 Sep 2018 18:48

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 99334
Ion Ratio Lower Upper
75 100
53 0.3 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.781 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004734.D
Acq: 26 Sep 2018 18:48

Tgt Ion:128 Resp: 1086
Ion Ratio Lower Upper
128 100
127 16.9 10.2 15.2#
129 12.1 8.6 12.8

