

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004733.D
 Acq On : 26 Sep 2018 18:21
 Operator : JC/MD
 Sample : J5060-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Sep 27 01:13:01 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	5.67	168	255682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378138	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195502	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	197136	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
35) Dibromofluoromethane	5.50	113	162463	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	8.72	98	542694	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.14	95	189490	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

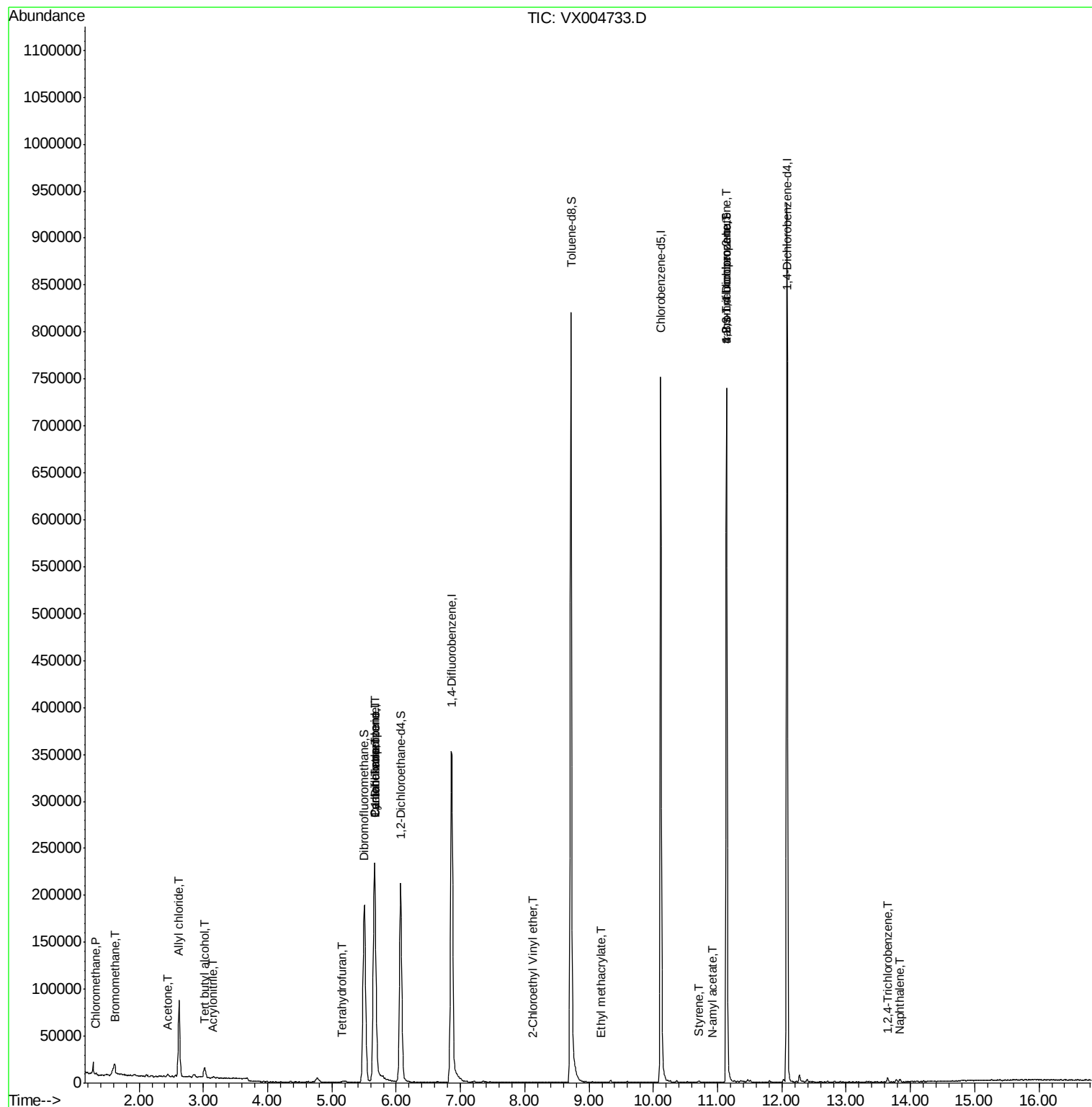
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1273	0.301	ug/l	95
5) Bromomethane	1.64	94	739	0.314	ug/l #	80
6) Chloroethane	1.72	64	462	Below Cal	#	56
11) Tert butyl alcohol	3.03	59	6766	6.625	ug/l #	77
14) Allyl chloride	2.62	41	7846	1.298	ug/l #	69
15) Acrylonitrile	3.15	53	602	0.268	ug/l	87
16) Acetone	2.45	43	3539	1.660	ug/l	97
20) Methylene Chloride	2.85	84	1468	Below Cal		89
29) Tetrahydrofuran	5.16	42	462	0.236	ug/l #	74
31) Cyclohexane	5.67	56	4947	1.065	ug/l #	11
36) 1,1-Dichloropropene	5.66	75	16719	3.824	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22503	4.896	ug/l #	16
56) Ethyl methacrylate	9.18	69	40	2.869	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.12	63	19	14.248	ug/l #	45
70) Styrene	10.72	104	579	2.197	ug/l	93
74) N-amyl acetate	10.91	43	235	1.781	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	93365	21.307	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	525	Below Cal		97
81) trans-1,4-Dichloro-2-buten	11.14	75	93365	57.790	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	737	Below Cal		89
93) 1,2,4-Trichlorobenzene	13.65	180	1227	0.250	ug/l	94
95) Naphthalene	13.83	128	1800	0.829	ug/l	99

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

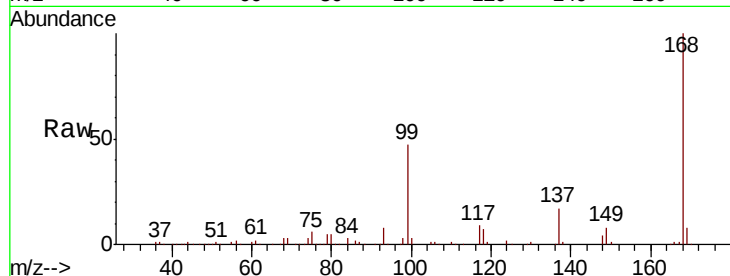
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 255682

Ion Ratio Lower Upper

168 100

99 46.7 39.9 59.9



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

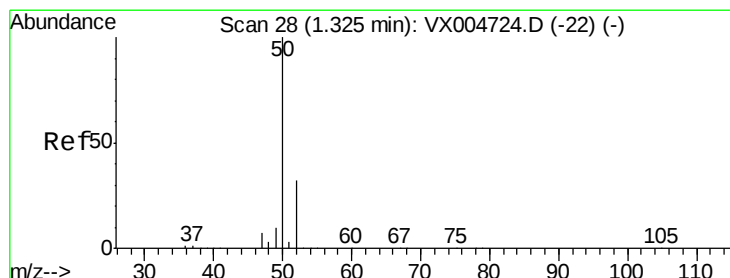
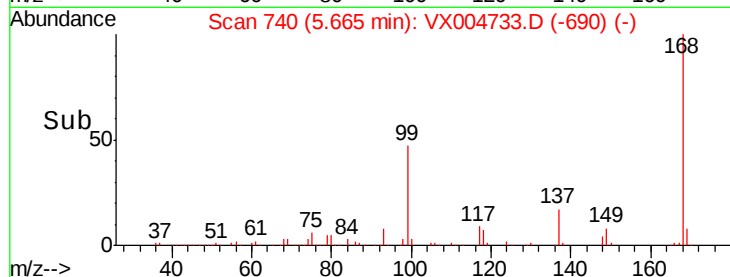
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.301 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004733.D

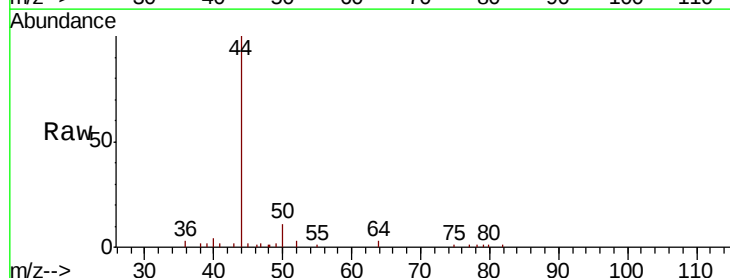
Acq: 26 Sep 2018 18:21

Tgt Ion: 50 Resp: 1273

Ion Ratio Lower Upper

50 100

52 29.8 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

800

600

400

200

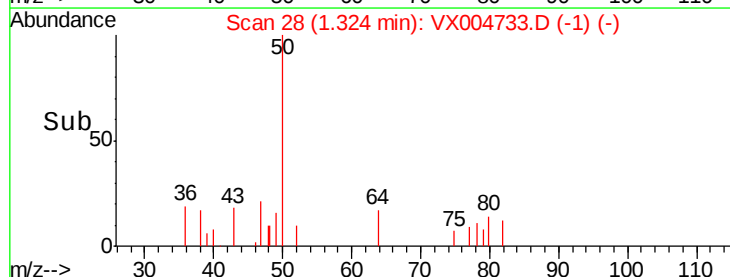
0

Time-->

1.30

1.35

1.40





#5

Bromomethane

Concen: 0.314 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

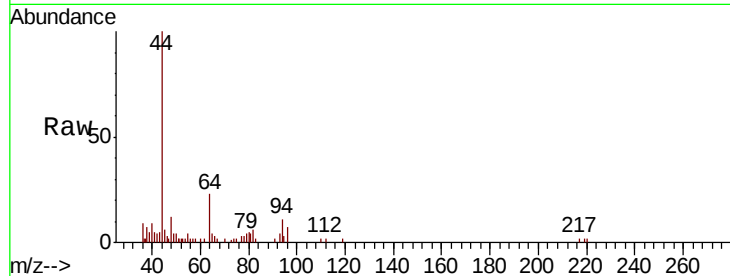
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 739

Ion Ratio Lower Upper

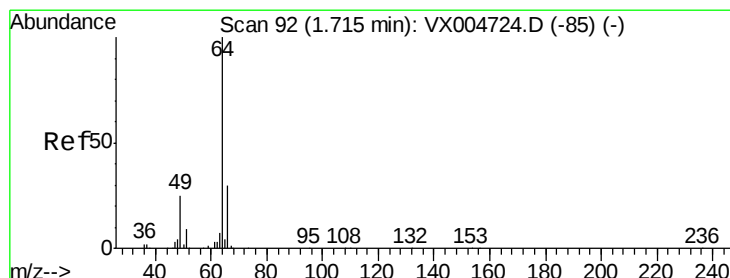
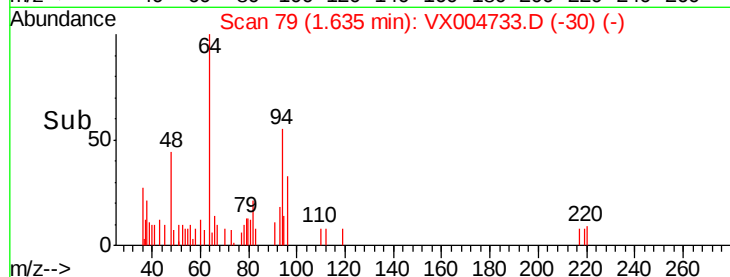
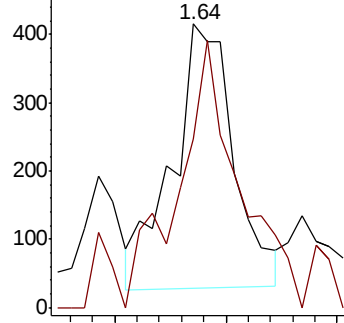
94 100

96 74.3 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: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004733.D

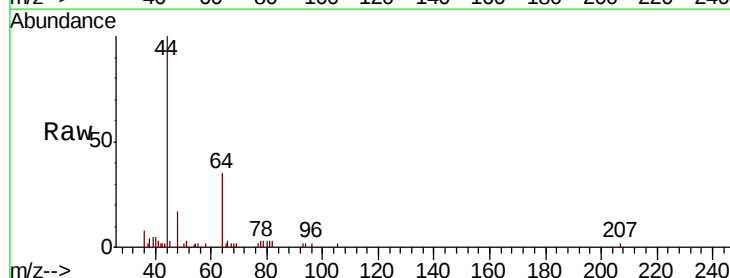
Acq: 26 Sep 2018 18:21

Tgt Ion: 64 Resp: 462

Ion Ratio Lower Upper

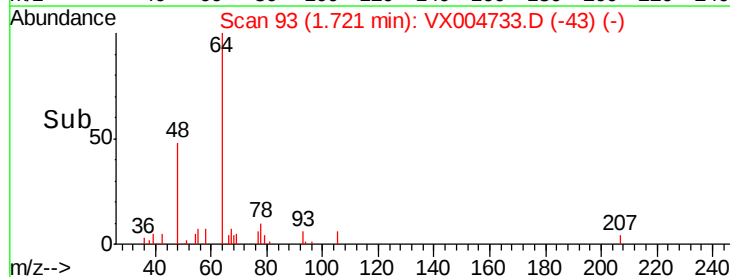
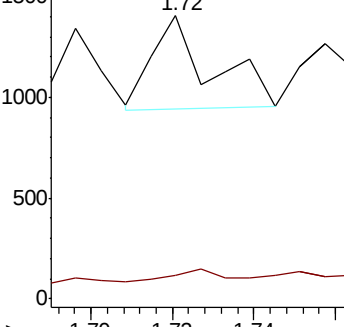
64 100

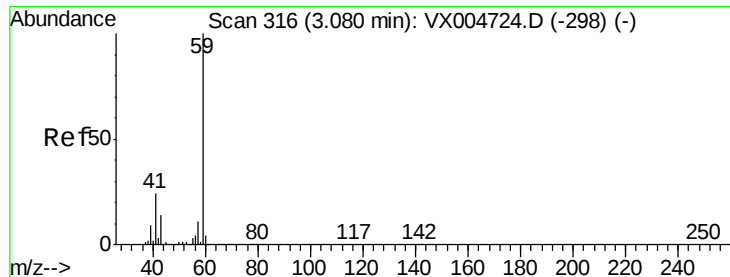
66 6.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

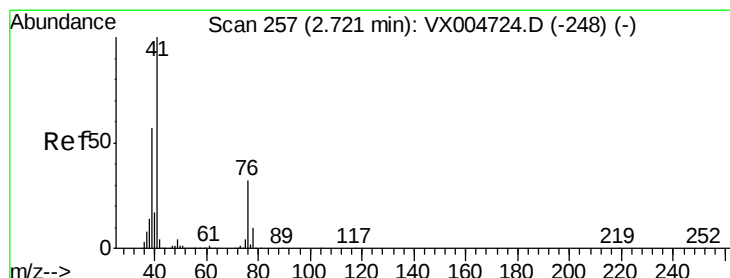
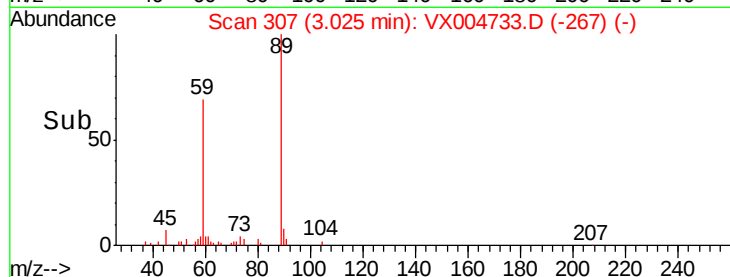
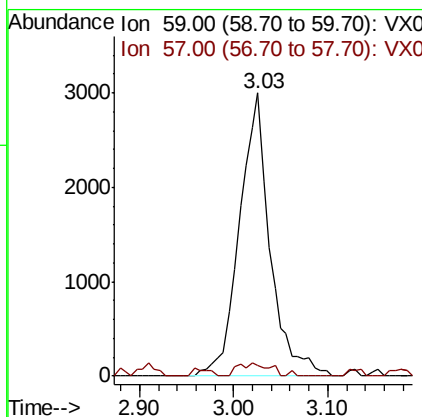
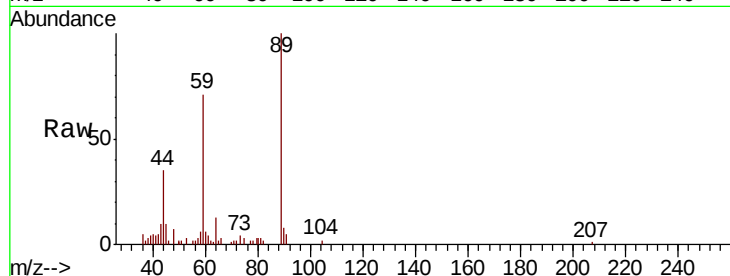




#11
Tert butyl alcohol
Concen: 6.625 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

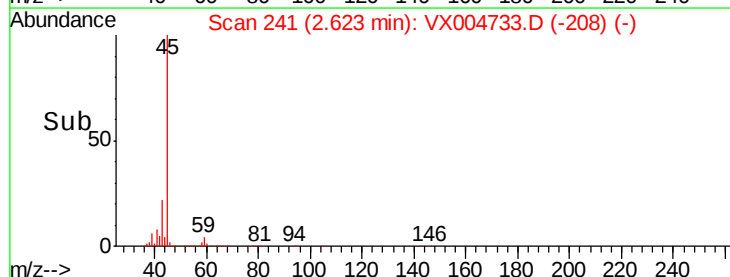
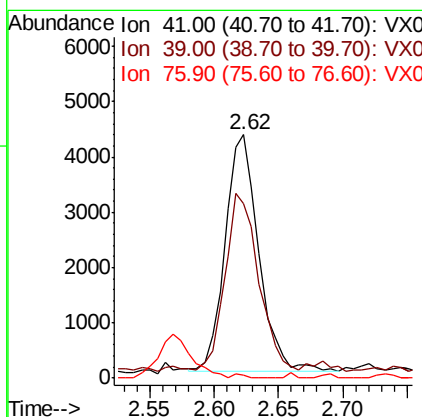
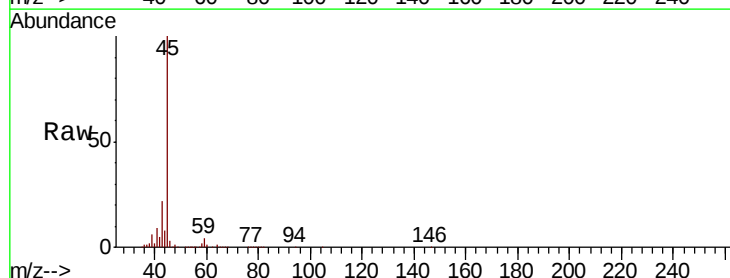
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

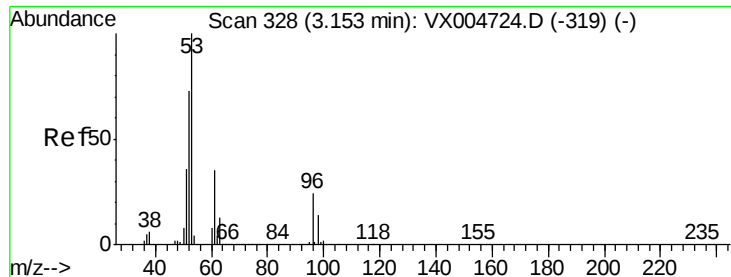
Tot Ion: 59 Resp: 6766
Ion Ratio Lower Upper
59 100
57 1.7 8.2 12.4#



#14
Allyl chloride
Concen: 1.298 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

Tgt Ion: 41 Resp: 7846
Ion Ratio Lower Upper
41 100
39 73.7 48.9 73.3#
76 0.6 26.7 40.1#





#15

Acrylonitrile

Concen: 0.268 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

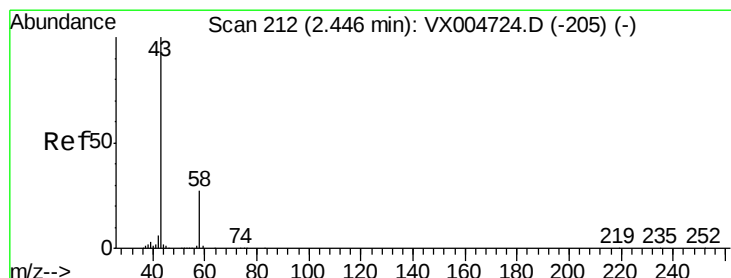
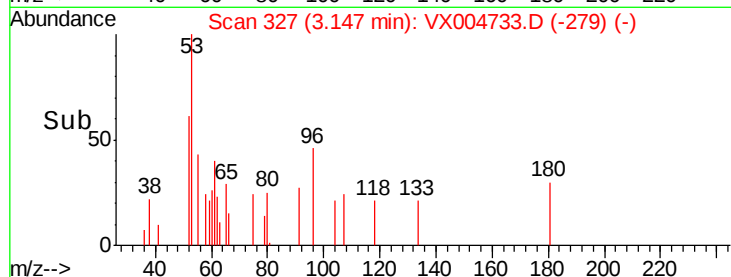
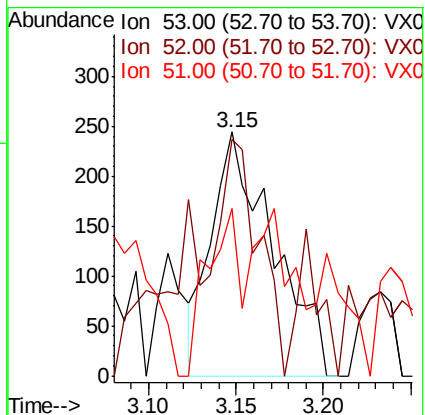
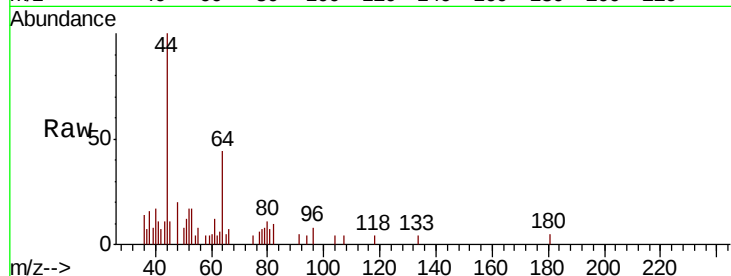
Tot Ion: 53 Resp: 602

Ion Ratio Lower Upper

53 100

52 65.4 65.2 97.8

51 35.5 28.2 42.2



#16

Acetone

Concen: 1.660 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004733.D

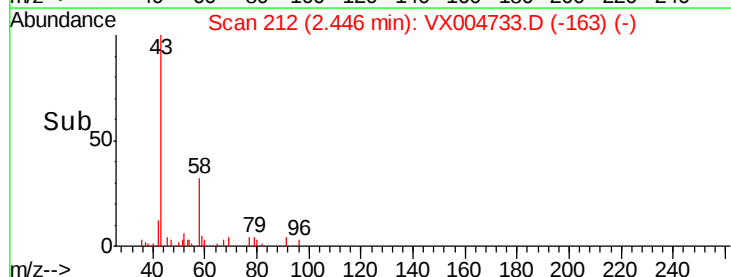
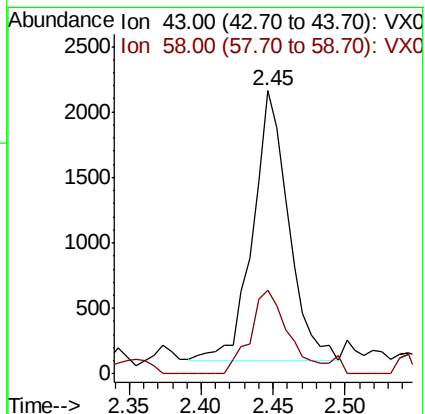
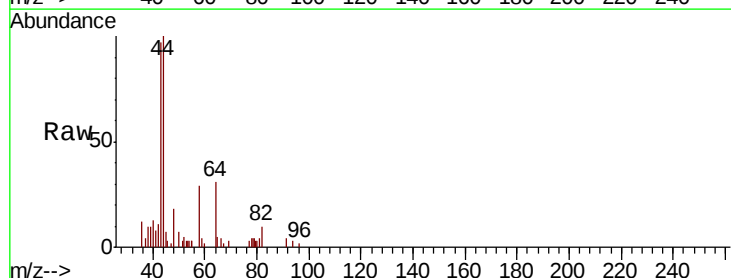
Acq: 26 Sep 2018 18:21

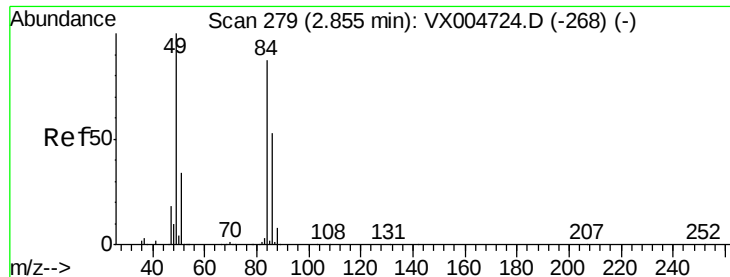
Tgt Ion: 43 Resp: 3539

Ion Ratio Lower Upper

43 100

58 31.2 26.2 39.4

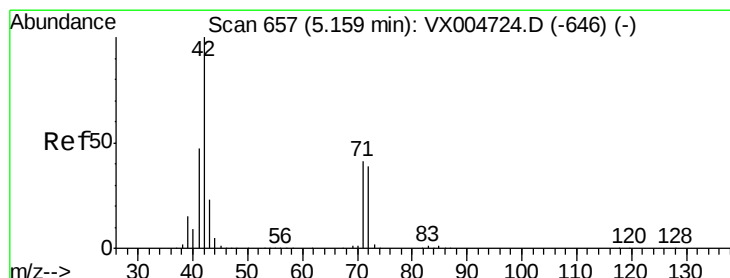
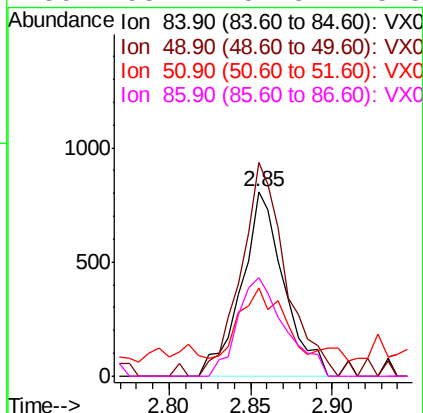
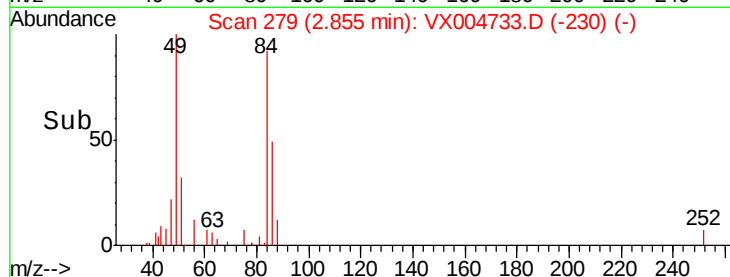
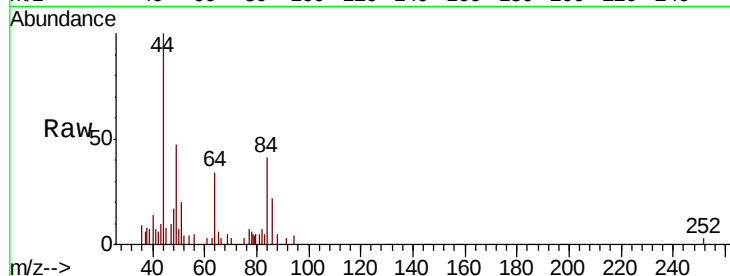




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

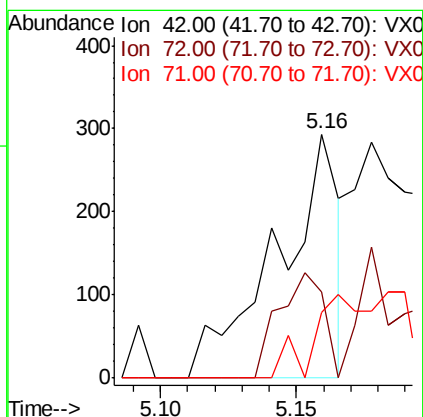
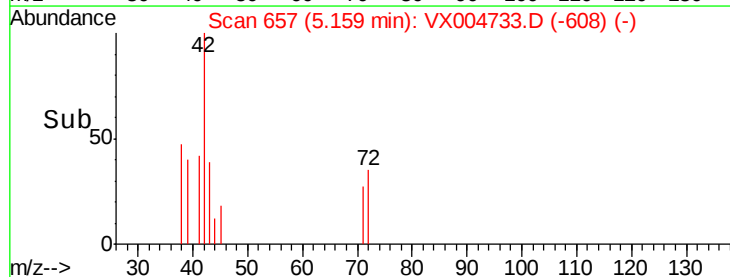
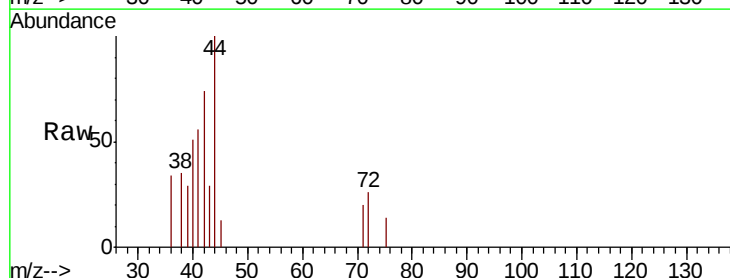
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

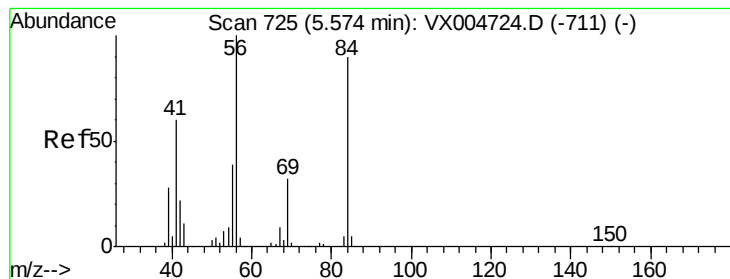
Tot Ion:	84	Resp:	1468
Ion	Ratio	Lower	Upper
84	100		
49	115.6	101.2	151.8
51	32.9	29.5	44.3
86	53.2	52.3	78.5



#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

Tgt Ion:	42	Resp:	462
Ion	Ratio	Lower	Upper
42	100		
72	31.4	37.4	56.0#
71	24.7	34.5	51.7#





#31

Cyclohexane

Concen: 1.065 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

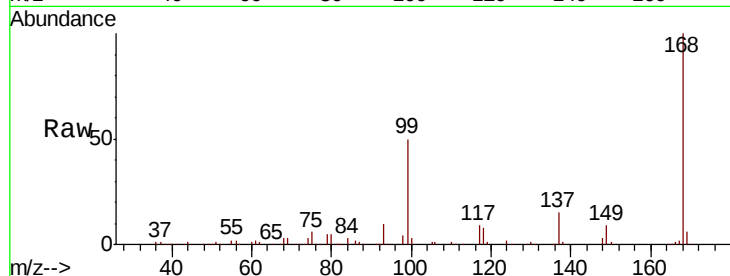
Tot Ion: 56 Resp: 4947

Ion Ratio Lower Upper

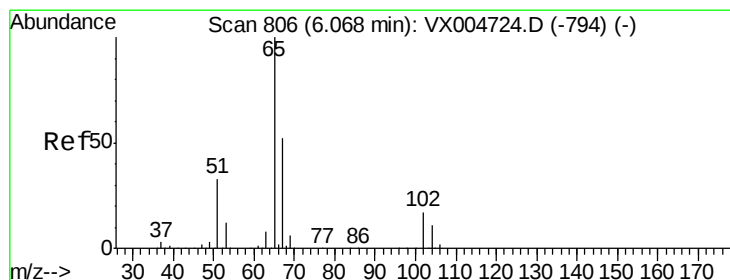
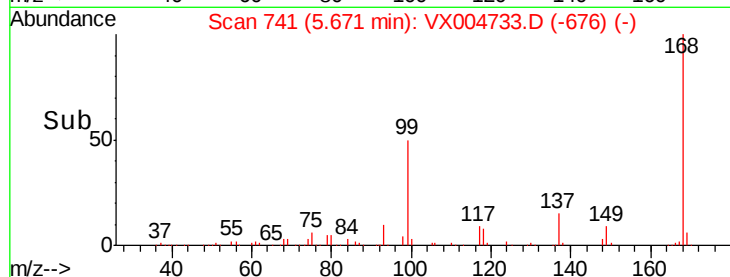
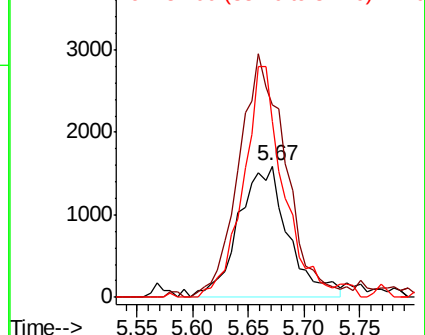
56 100

69 146.6 25.4 38.2#

84 133.4 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: 53.974 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004733.D

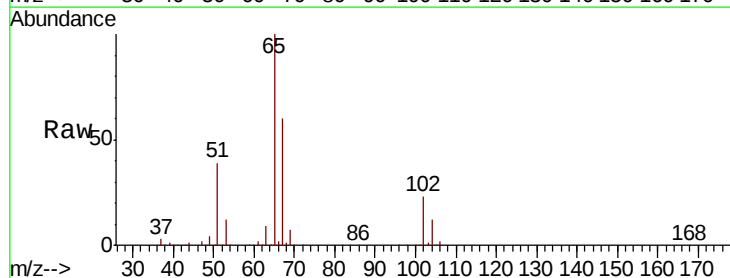
Acq: 26 Sep 2018 18:21

Tgt Ion: 65 Resp: 197136

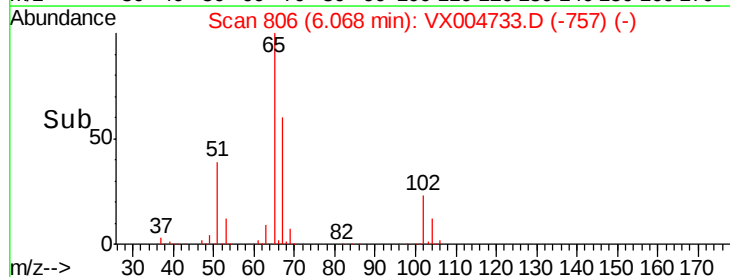
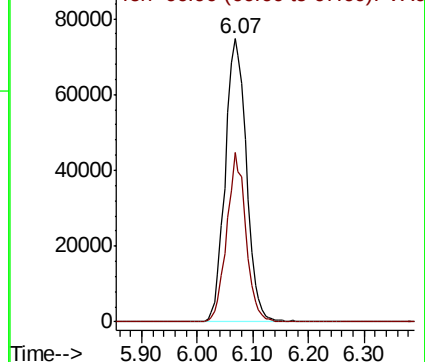
Ion Ratio Lower Upper

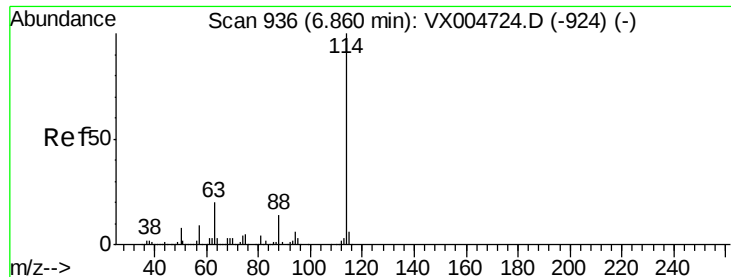
65 100

67 54.1 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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

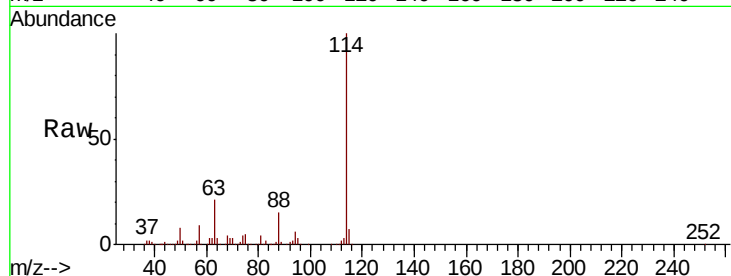
Tot Ion:114 Resp: 378138

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

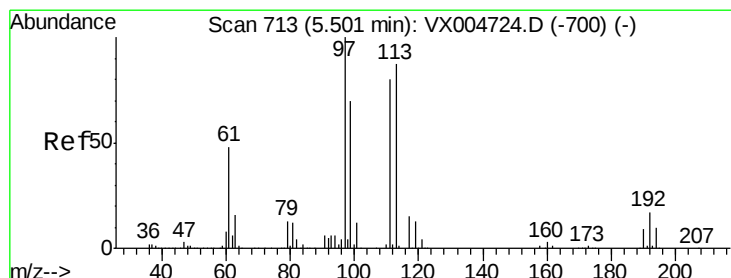
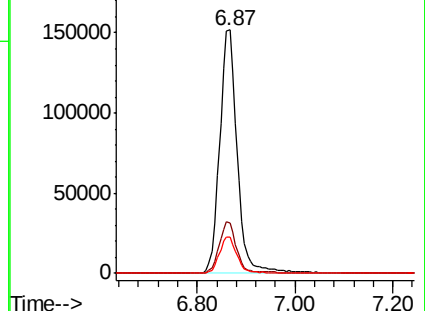
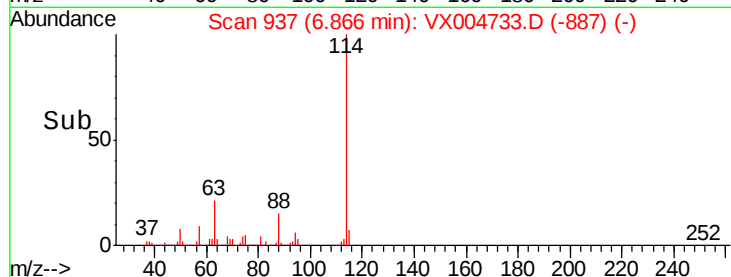
88 14.9 0.0 30.4



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: 50.694 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

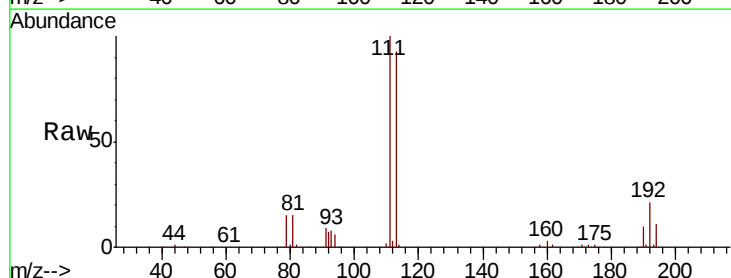
Tgt Ion:113 Resp: 162463

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

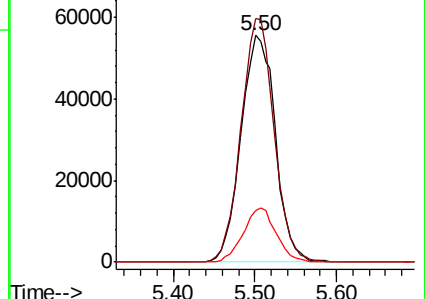
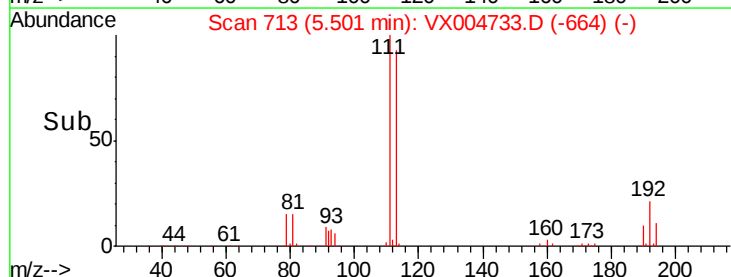
192 23.0 19.4 29.2

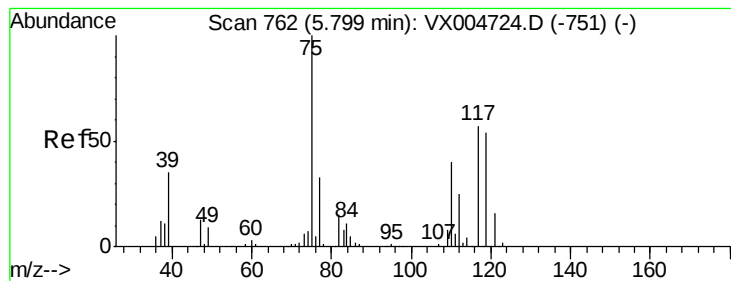


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.824 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

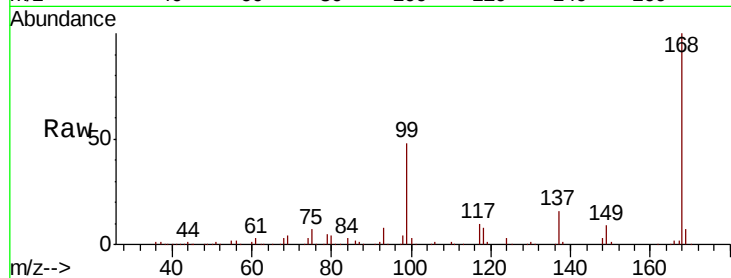
Tot Ion: 75 Resp: 16719

Ion Ratio Lower Upper

75 100

110 9.7 18.0 54.0#

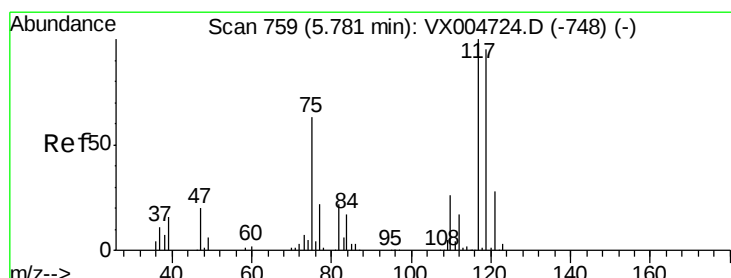
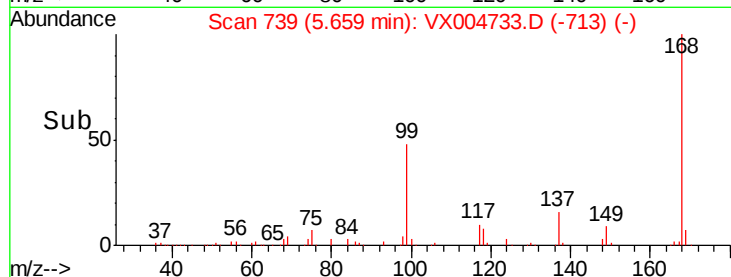
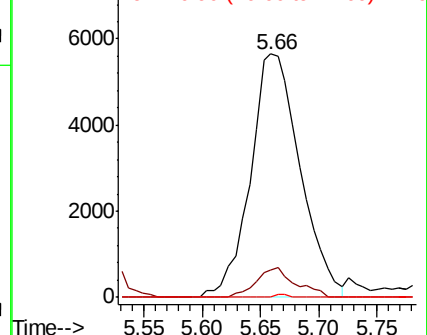
77 0.3 24.6 36.8#



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: 4.896 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004733.D

Acq: 26 Sep 2018 18:21

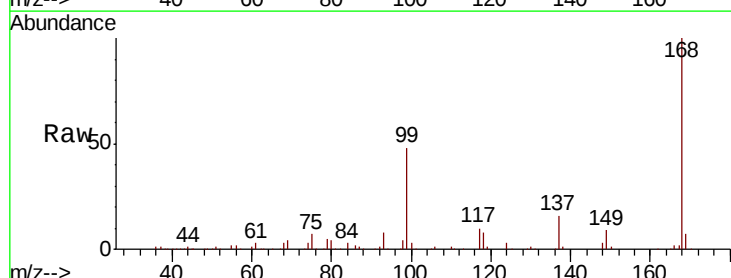
Tgt Ion: 117 Resp: 22503

Ion Ratio Lower Upper

117 100

119 6.5 78.8 118.2#

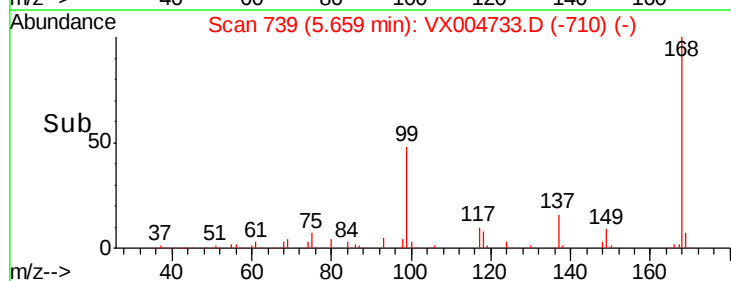
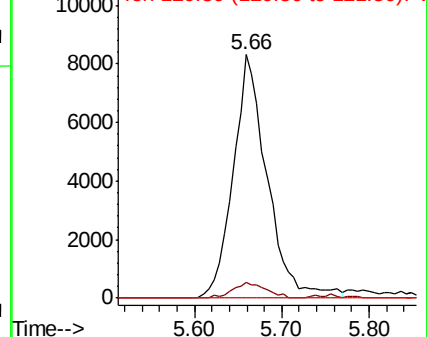
121 0.0 24.9 37.3#

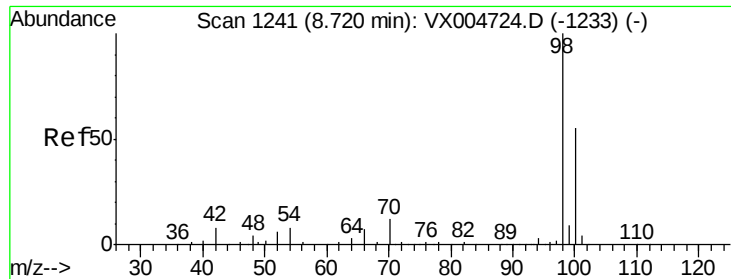


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

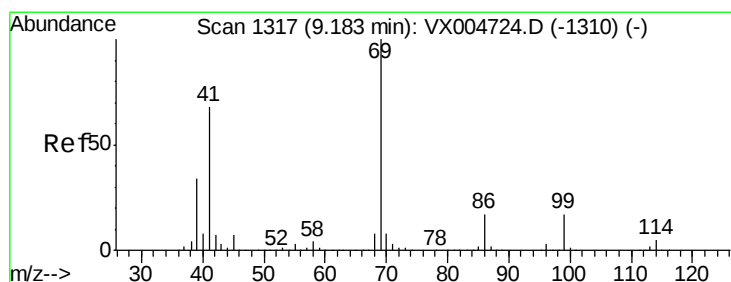
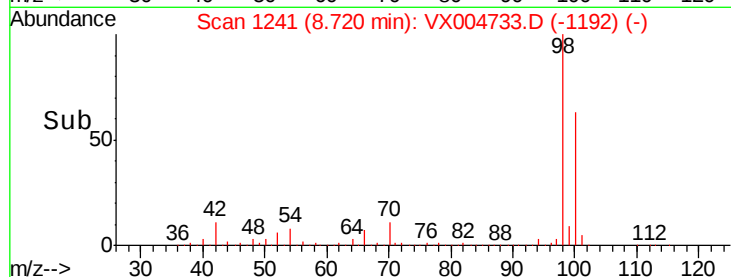
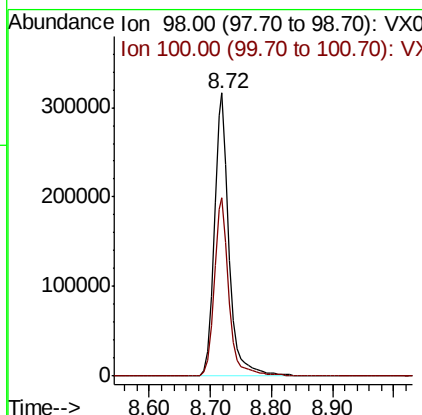
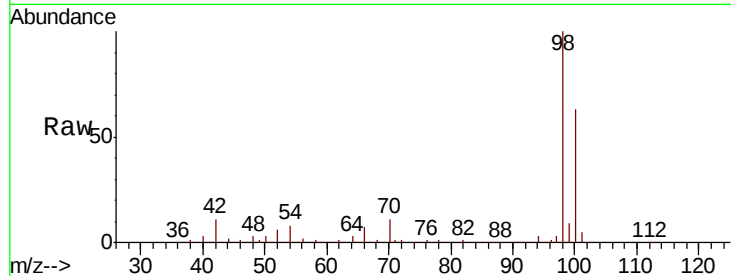




#50
Toluene-d8
Concen: 50.937 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

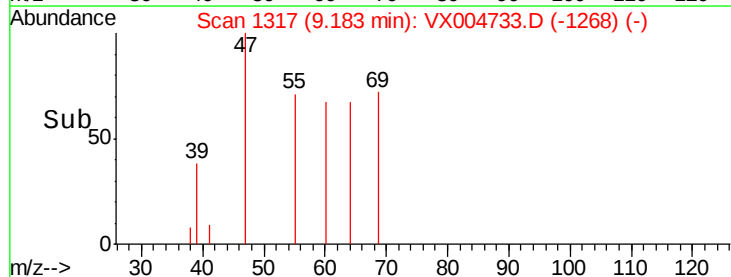
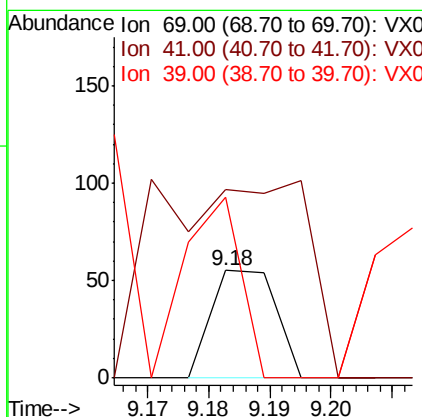
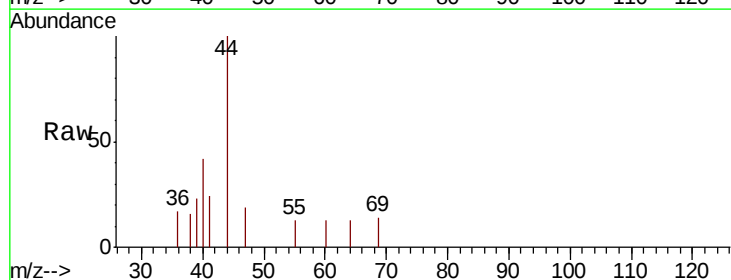
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

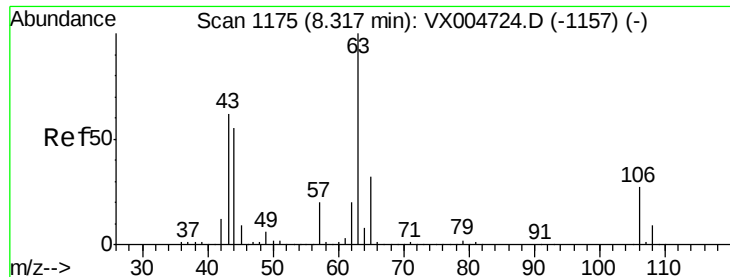
Tot Ion: 98 Resp: 542694
Ion Ratio Lower Upper
98 100
100 63.1 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.869 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

Tgt Ion: 69 Resp: 40
Ion Ratio Lower Upper
69 100
41 430.0 51.0 76.4#
39 0.0 26.1 39.1#

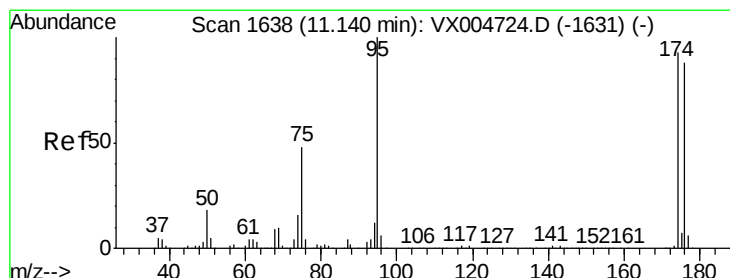
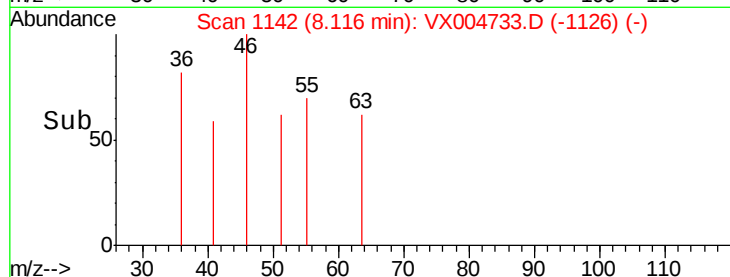
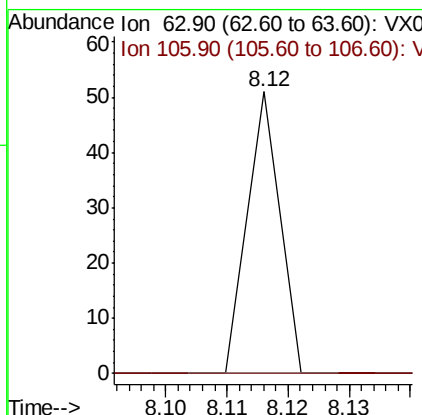
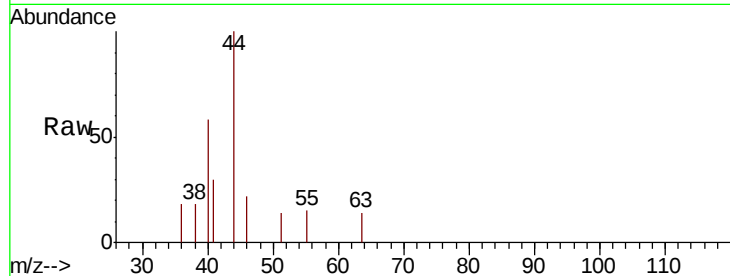




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.248 ug/l
 RT: 8.12 min Scan# 1142
 Delta R.T. -0.20 min
 Lab File: VX004733.D
 Acq: 26 Sep 2018 18:21

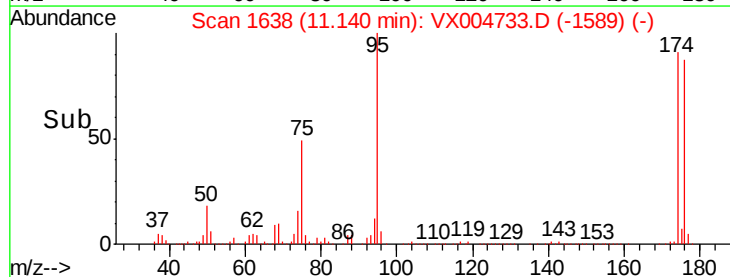
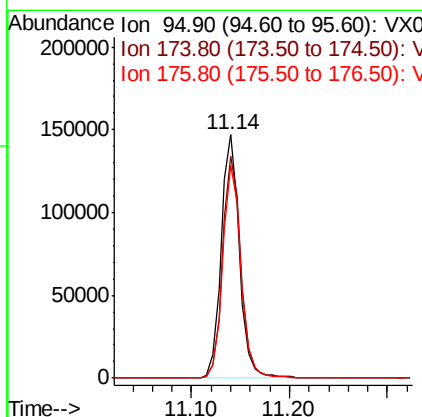
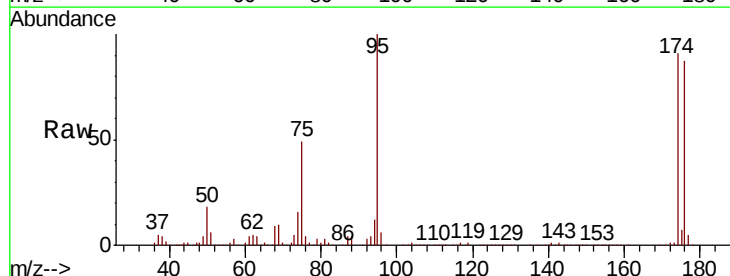
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

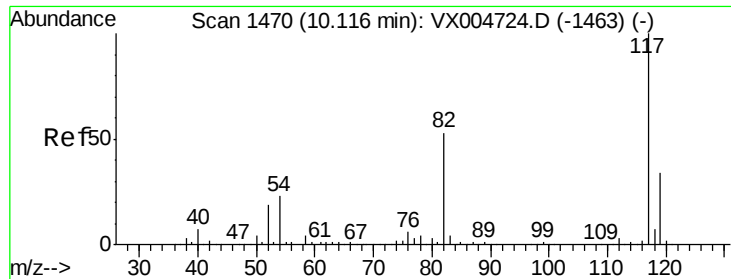
Tot Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 49.369 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004733.D
 Acq: 26 Sep 2018 18:21

Tgt Ion: 95 Resp: 189490
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 185.2
 176 87.7 0.0 178.6

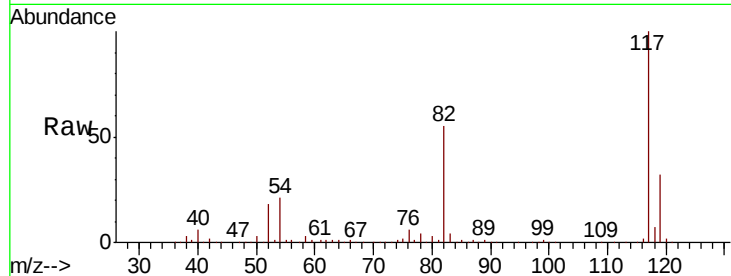




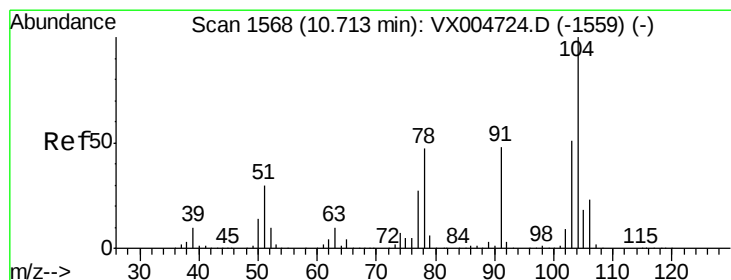
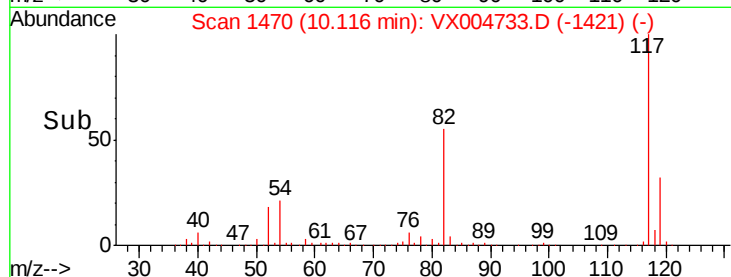
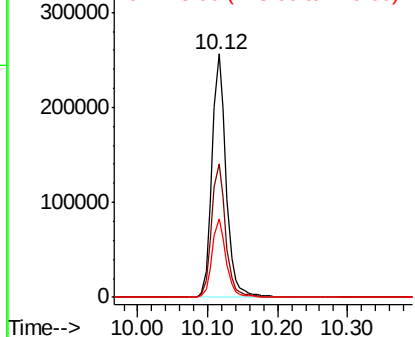
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

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

Tot Ion:117 Resp: 361279
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 32.3 29.3 43.9

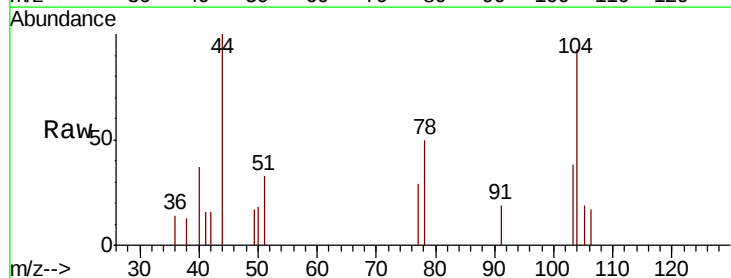


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

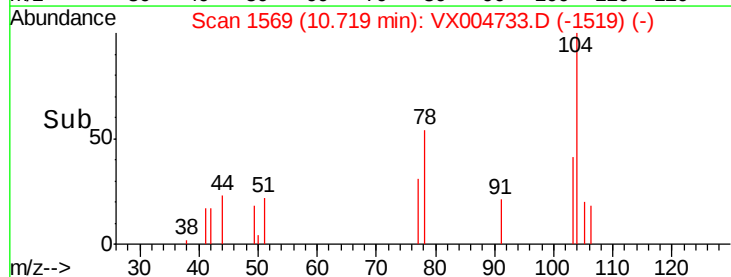
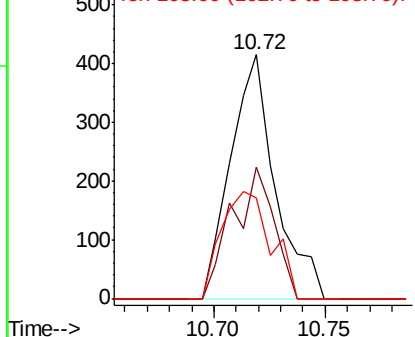


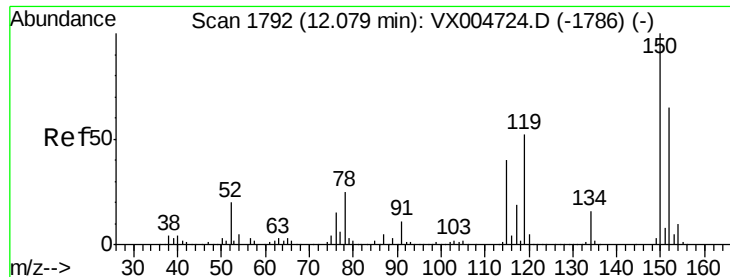
#70
Styrene
Concen: 2.197 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

Tgt Ion:104 Resp: 579
Ion Ratio Lower Upper
104 100
78 50.4 37.4 56.0
103 48.7 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



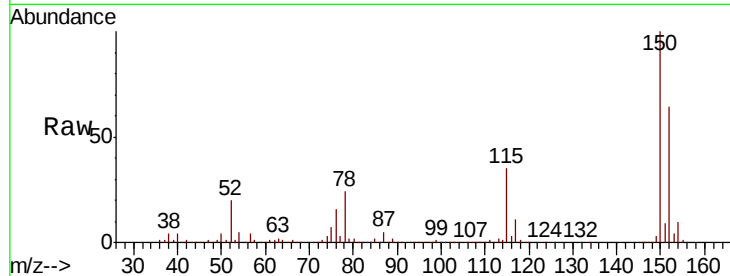


#72

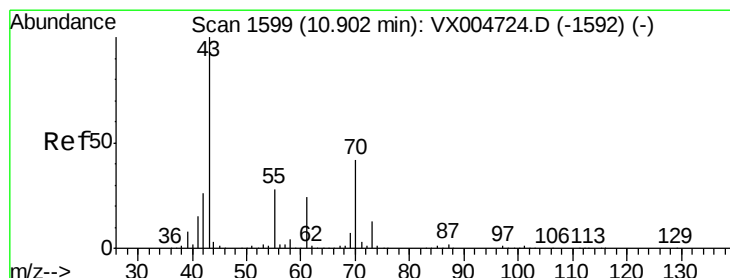
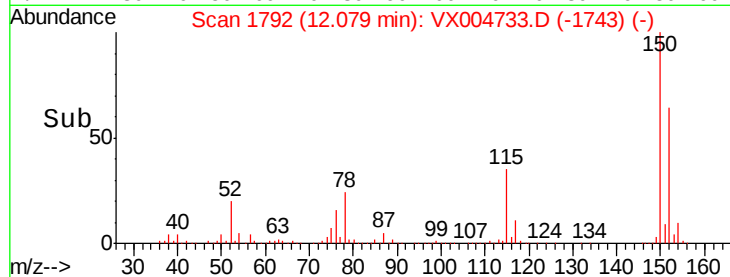
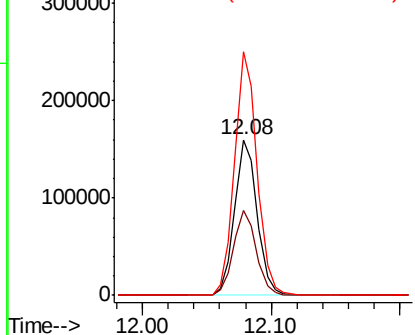
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

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

Tot Ion:152 Resp: 195502
Ion Ratio Lower Upper
152 100
115 55.1 39.0 117.0
150 156.7 0.0 351.0



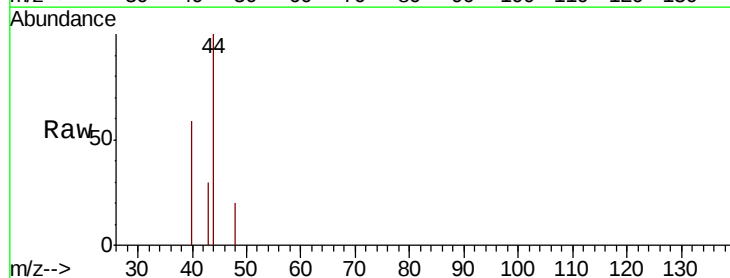
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



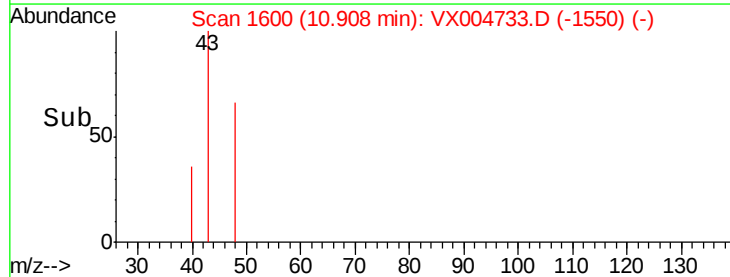
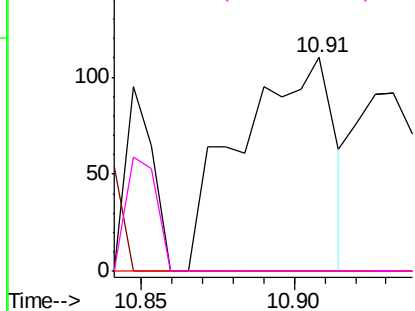
#74

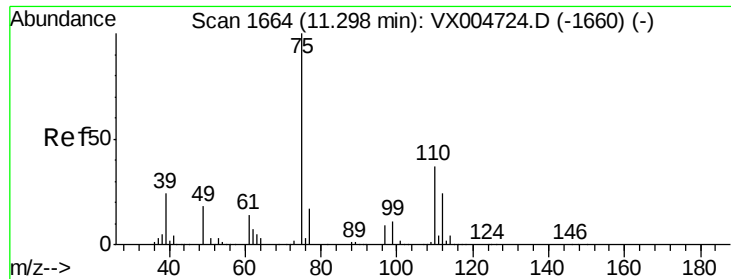
N-ethyl acetate
Concen: 1.781 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX004733.D
Acq: 26 Sep 2018 18:21

Tgt Ion: 43 Resp: 235
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

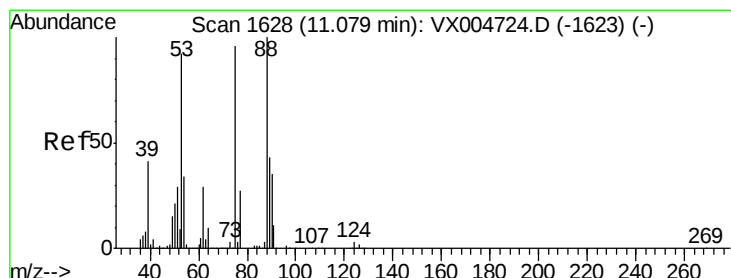
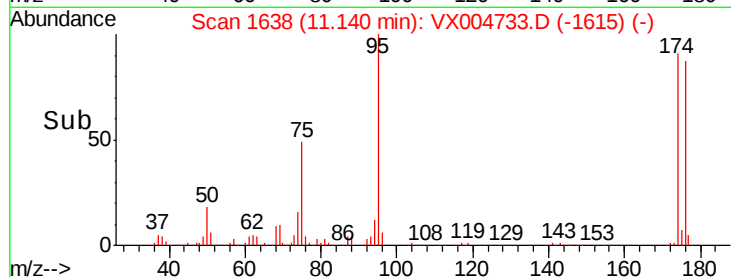
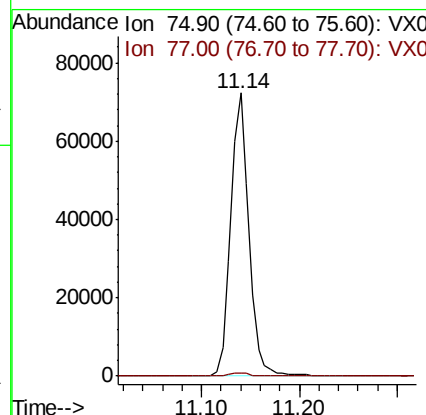
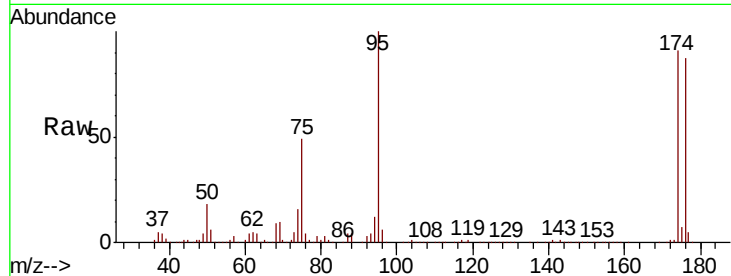




#76
 1,2,3-Trichloropropane
 Concen: 21.307 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004733.D
 Acq: 26 Sep 2018 18:21

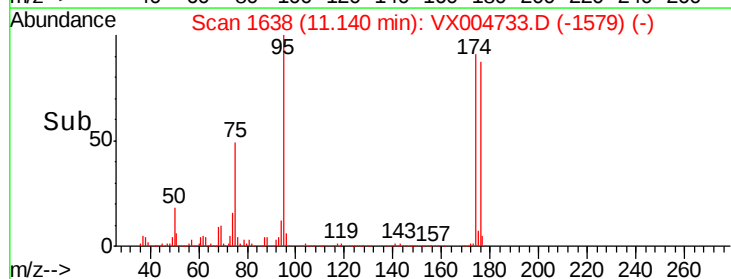
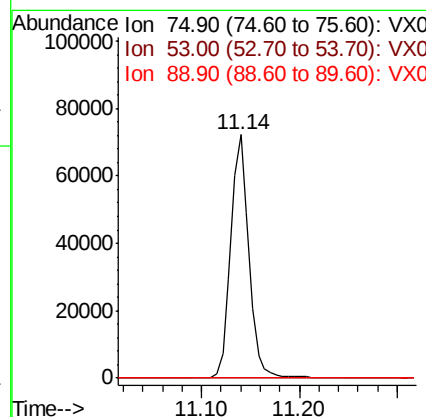
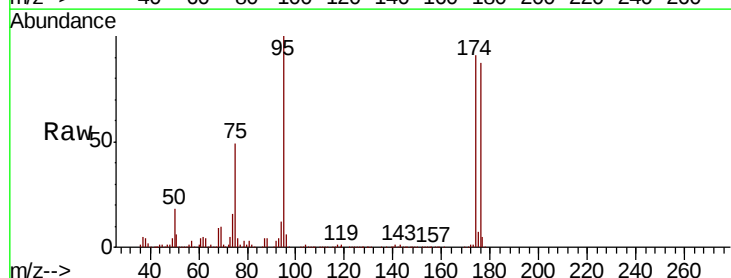
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

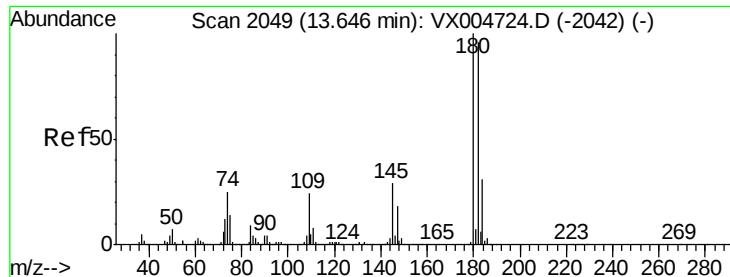
Tot Ion: 75 Resp: 93365
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.790 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004733.D
 Acq: 26 Sep 2018 18:21

Tgt Ion: 75 Resp: 93365
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.1 120.1#
 89 0.0 37.2 55.8#

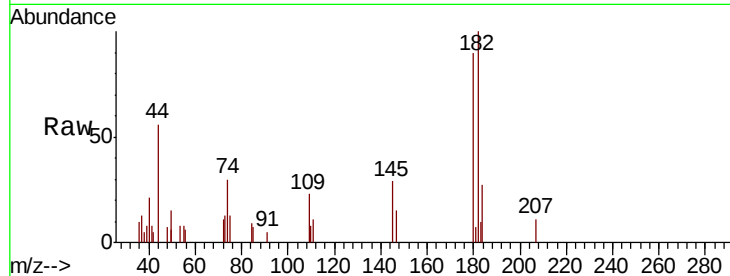




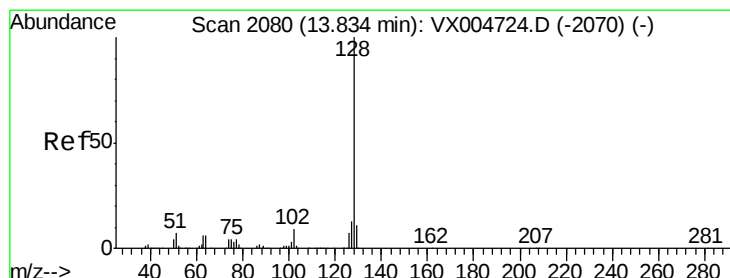
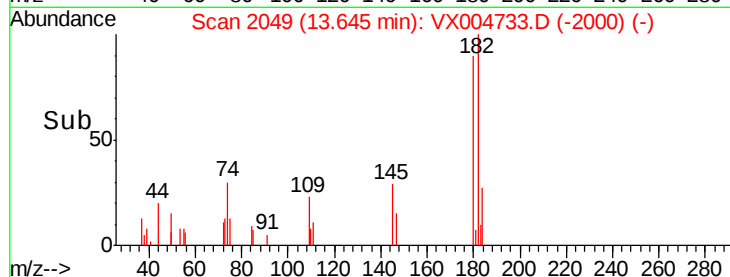
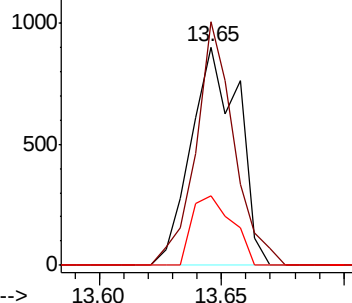
#93
 1,2,4-Trichlorobenzene
 Concen: 0.250 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004733.D
 Acq: 26 Sep 2018 18:21

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	48.4	145.0
145	27.0	14.3	42.9

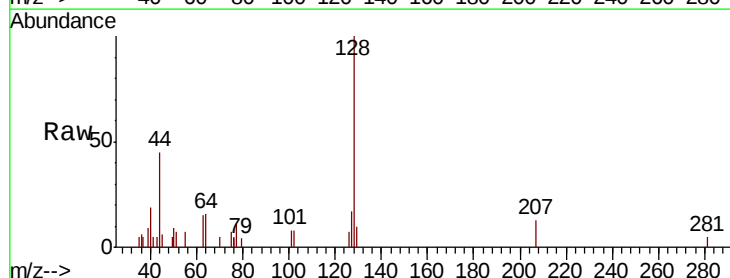


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 0.829 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX004733.D
 Acq: 26 Sep 2018 18:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.4	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

