

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005458.D
 Acq On : 19 Oct 2018 15:13
 Operator : JC/MD
 Sample : J5597-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 20 04:20:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374852	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163924	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	151654	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	5.49	113	126313	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	8.71	98	443126	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.14	95	146123	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

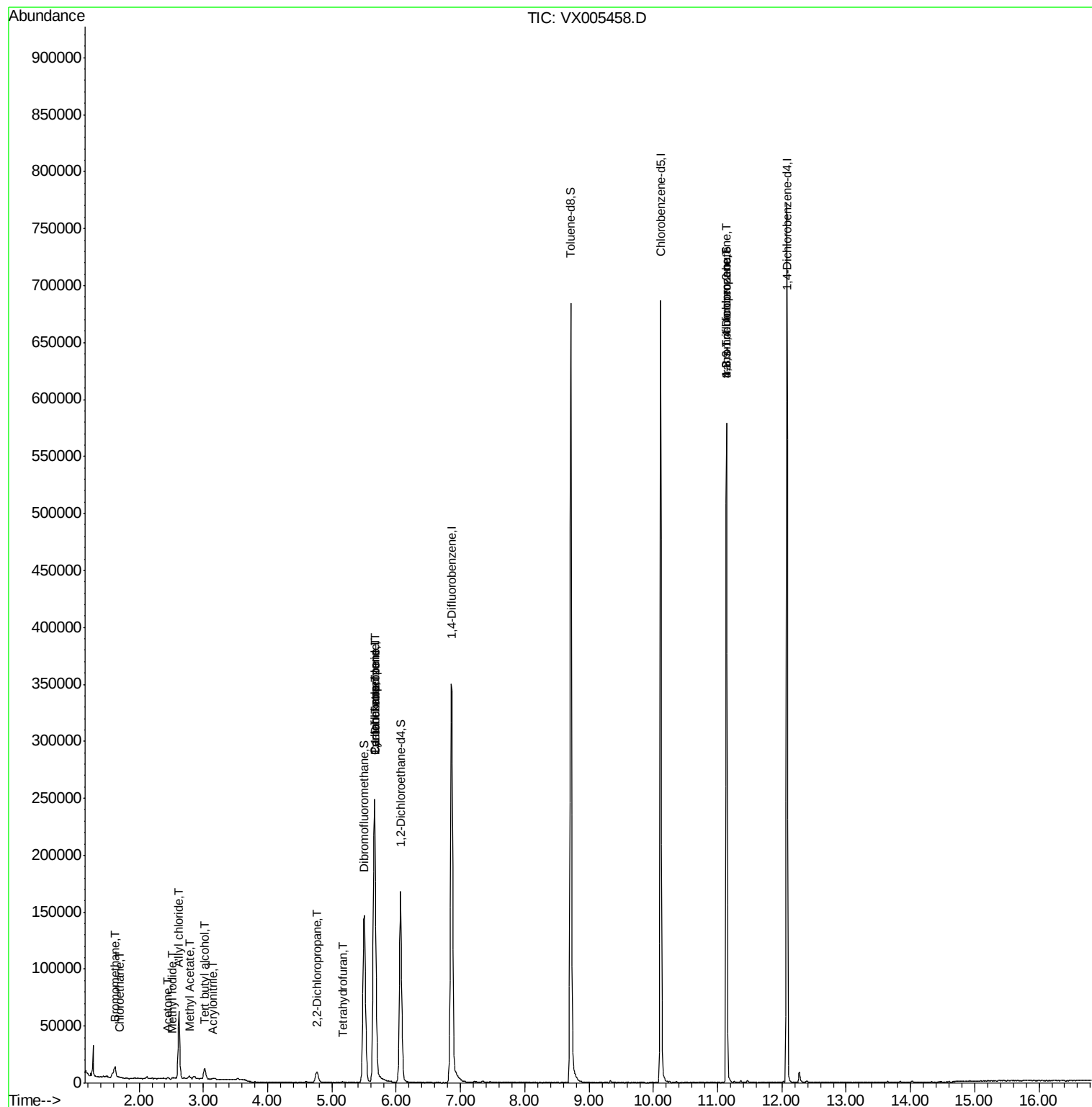
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	576	0.913	ug/l	88
6) Chloroethane	1.70	64	138	0.404	ug/l #	44
10) Methyl Iodide	2.51	142	267	2.587	ug/l #	87
11) Tert butyl alcohol	3.03	59	6098	7.287	ug/l #	77
13) Acrolein	2.30	56	26	Below Cal	#	1
14) Allyl chloride	2.62	41	5517	1.073	ug/l #	63
15) Acrylonitrile	3.14	53	384	0.202	ug/l #	34
16) Acetone	2.45	43	1756	1.024	ug/l	95
18) Methyl Acetate	2.78	43	2743	0.562	ug/l	99
20) Methylene Chloride	2.85	84	859	Below Cal	#	89
26) 2,2-Dichloropropane	4.78	77	794	0.215	ug/l #	52
29) Tetrahydrofuran	5.17	42	607	0.379	ug/l #	53
31) Cyclohexane	5.67	56	4769	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17068	4.701	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22947	6.291	ug/l #	16
44) Trichloroethene	7.21	130	99	Below Cal		84
76) 1,2,3-Trichloropropane	11.14	75	71142	22.374	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	71142	67.983	ug/l #	10

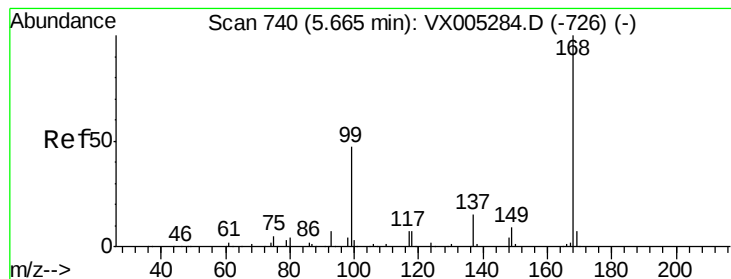
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

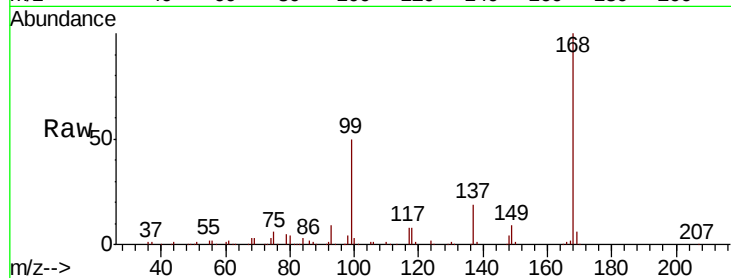
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 267299

Ion Ratio Lower Upper

168 100

99 49.7 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

100000

80000

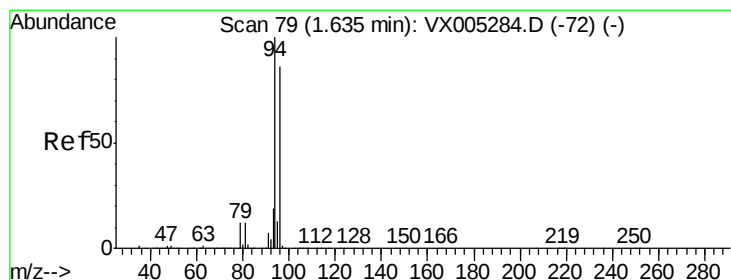
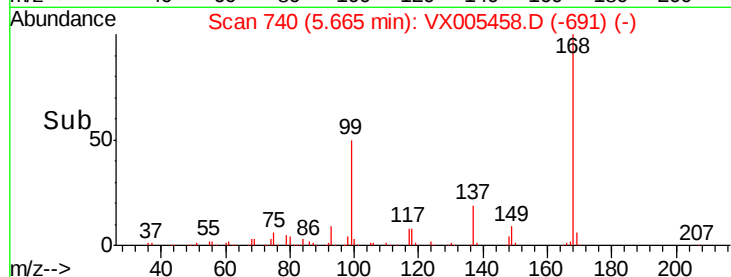
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.913 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005458.D

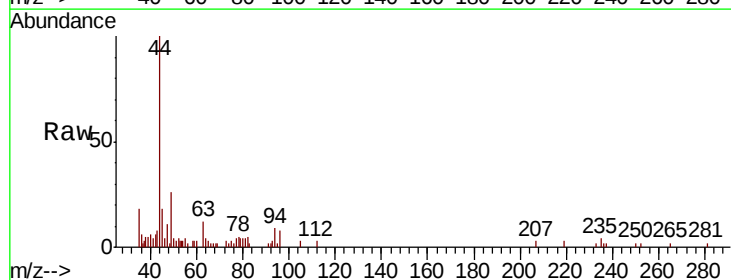
Acq: 19 Oct 2018 15:13

Tgt Ion: 94 Resp: 576

Ion Ratio Lower Upper

94 100

96 81.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

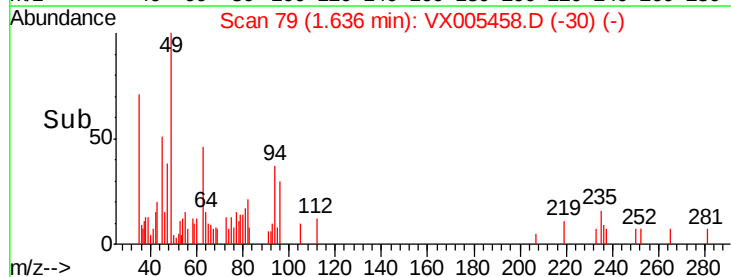
300

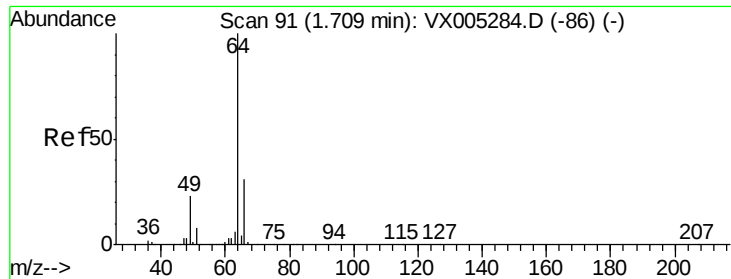
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.404 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

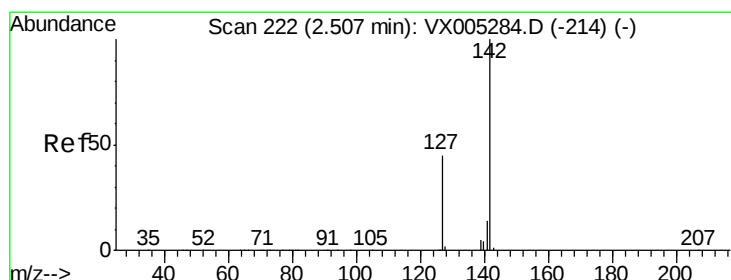
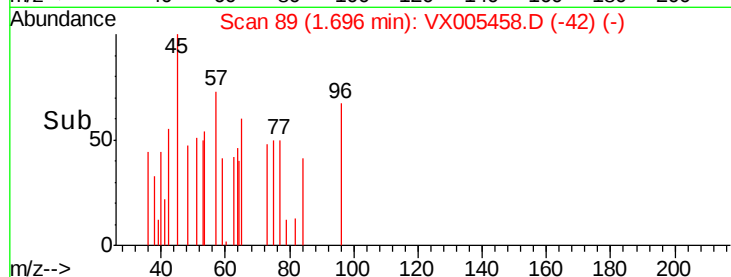
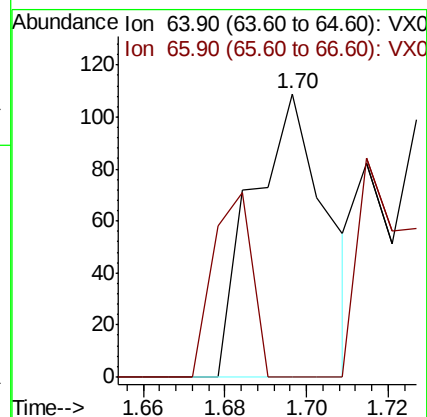
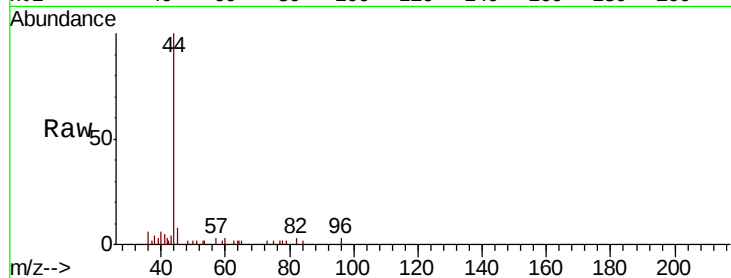
STORAGE-BLANK-WATER-REF-5

Tot Ion: 64 Resp: 138

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.587 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

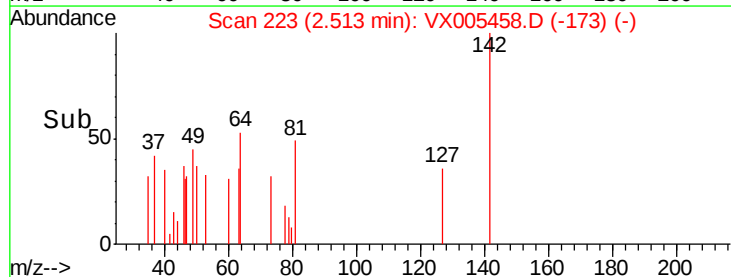
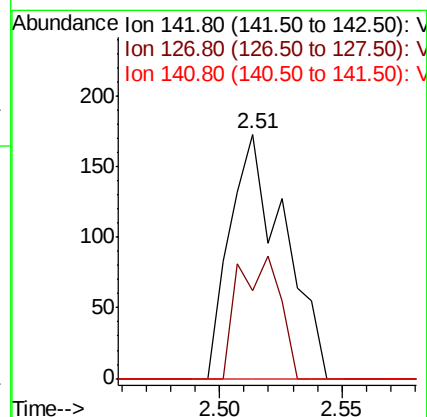
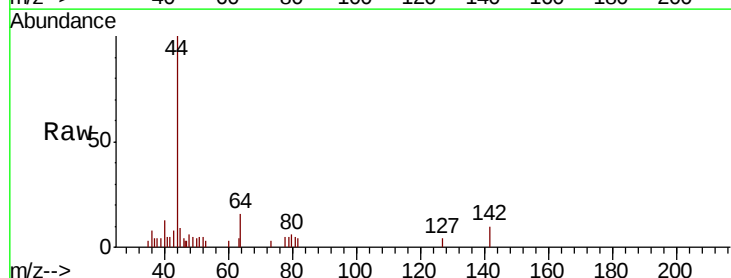
Tgt Ion: 142 Resp: 267

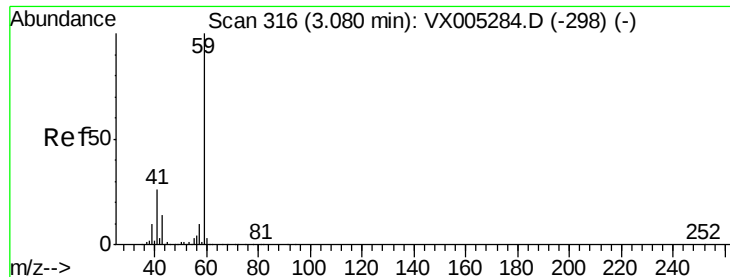
Ion Ratio Lower Upper

142 100

127 39.0 33.8 50.6

141 0.0 11.4 17.0#



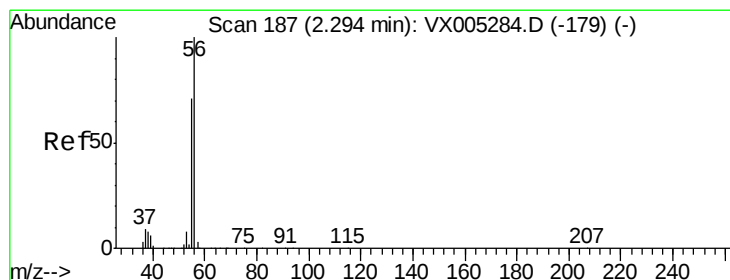
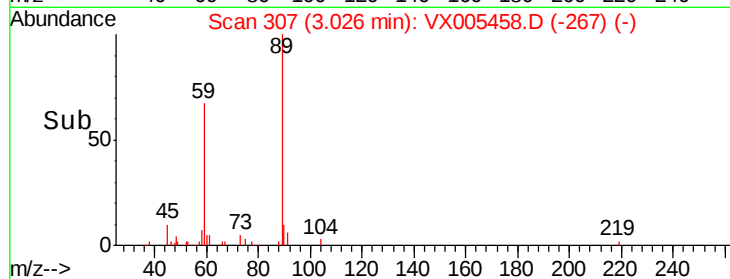
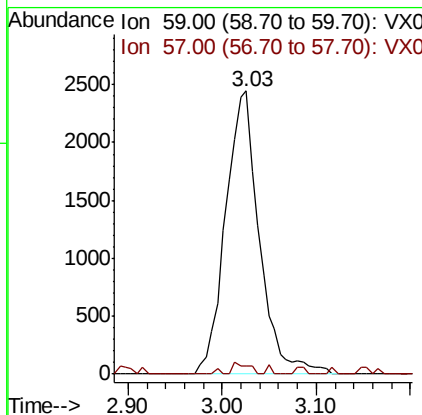
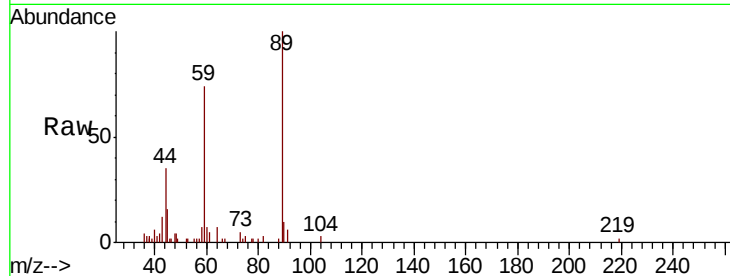


#11

Tert butyl alcohol
Concen: 7.287 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

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

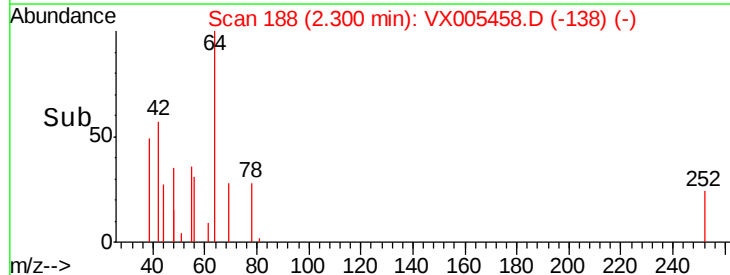
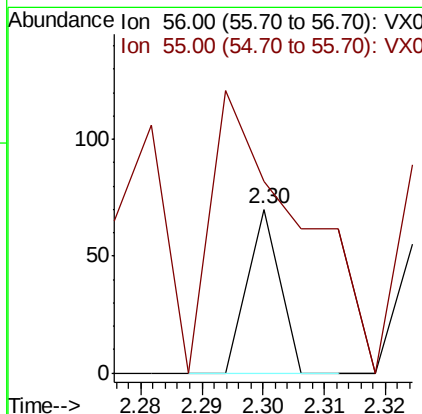
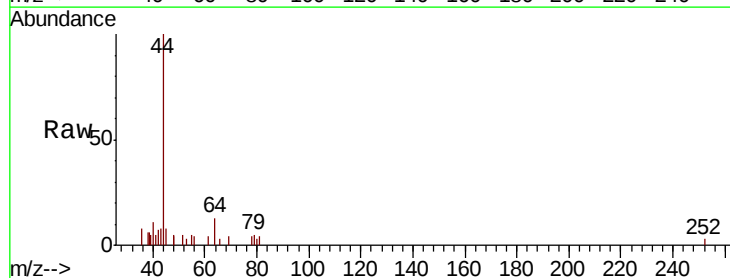
Tot Ion: 59 Resp: 6098
Ion Ratio Lower Upper
59 100
57 1.9 8.2 12.4#

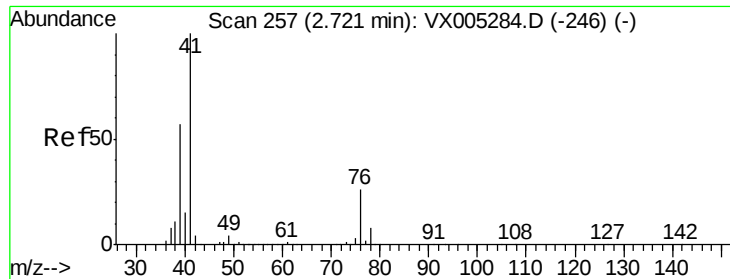


#13

Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 461.5 54.7 82.1#

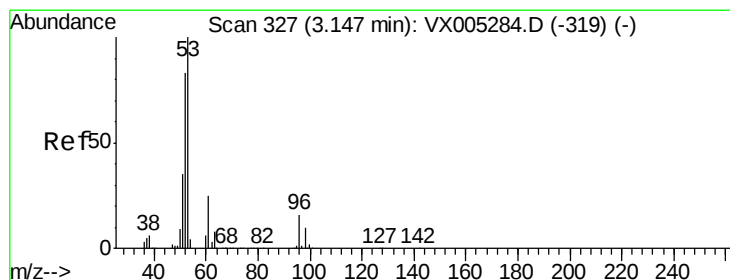
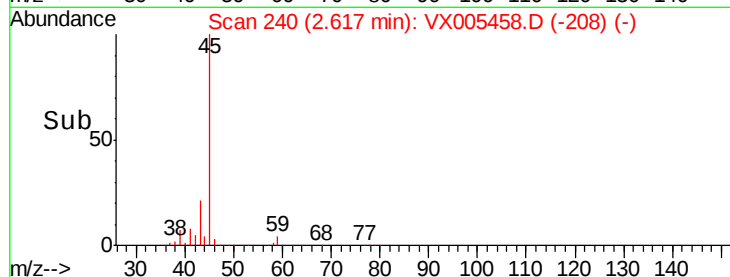
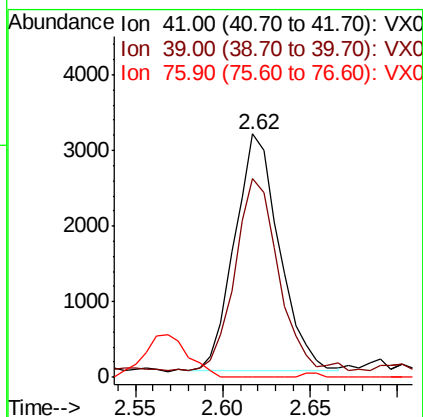
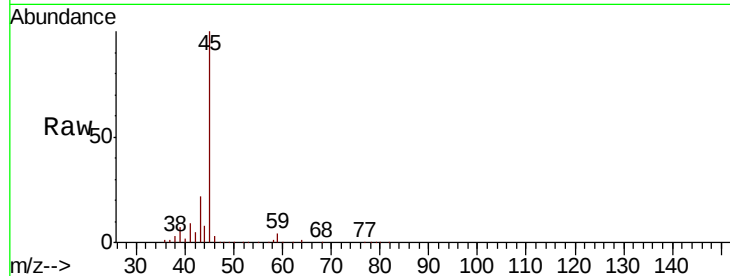




#14
Allvl chloride
Concen: 1.073 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

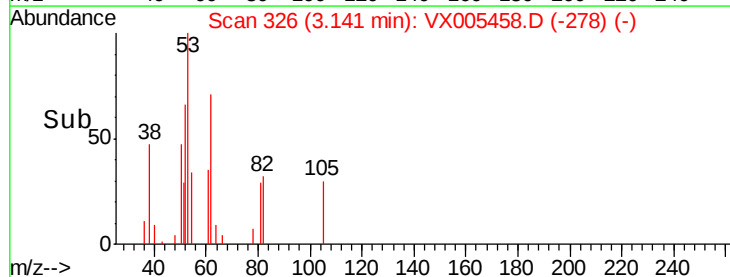
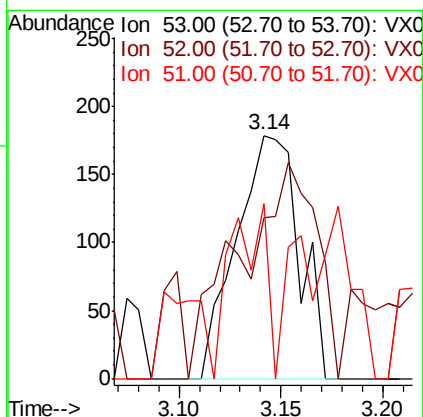
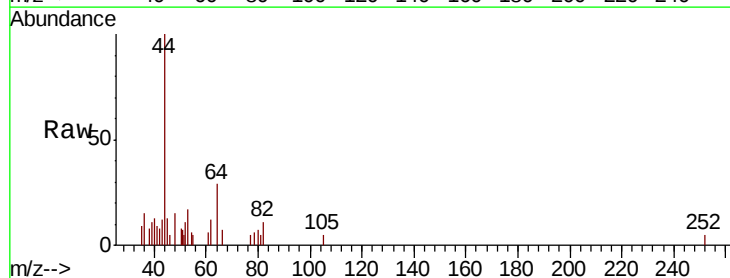
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

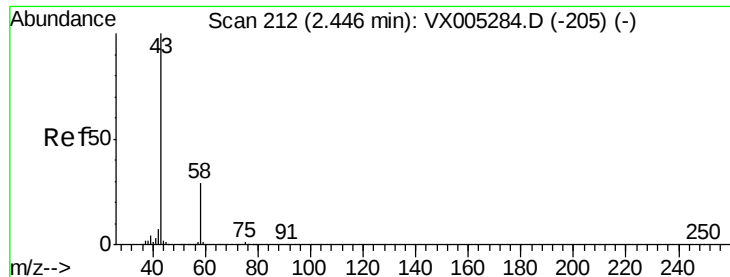
Tot Ion: 41 Resp: 5517
Ion Ratio Lower Upper
41 100
39 80.0 48.9 73.3#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 0.202 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 53 Resp: 384
Ion Ratio Lower Upper
53 100
52 0.0 65.2 97.8#
51 39.8 28.2 42.2





#16

Acetone

Concen: 1.024 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

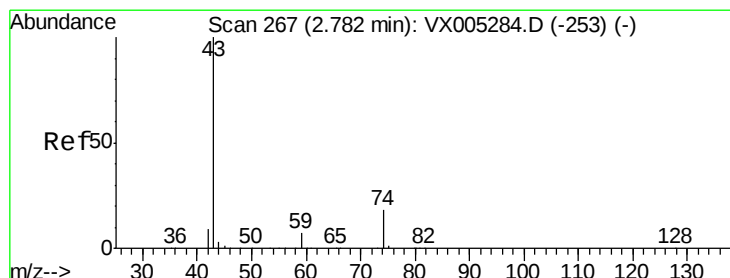
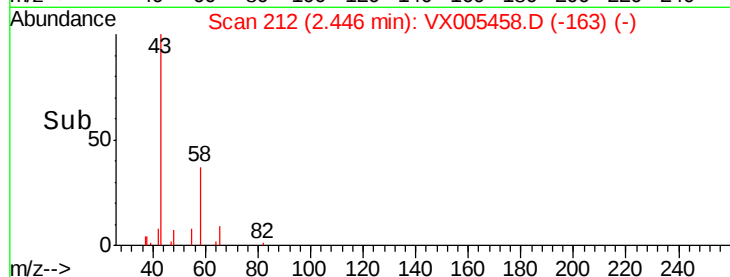
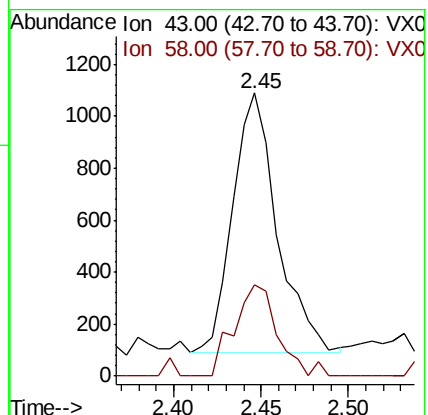
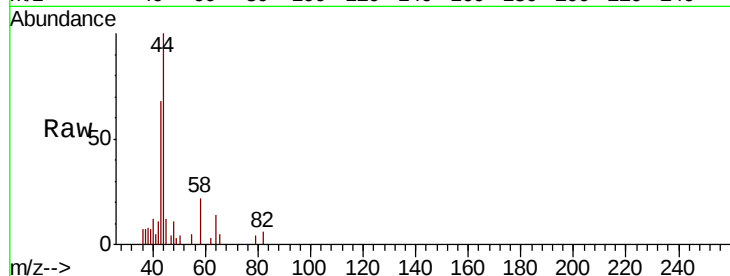
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 1756

Ion Ratio Lower Upper

43 100

58 35.4 26.2 39.4



#18

Methyl Acetate

Concen: 0.562 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005458.D

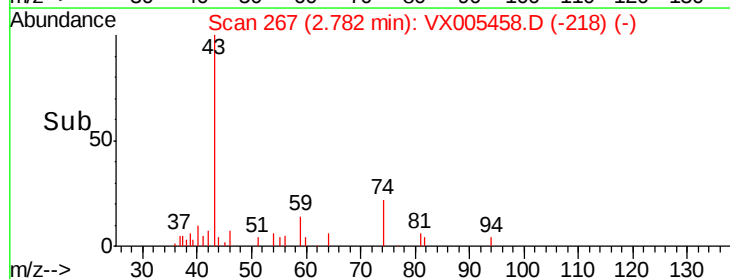
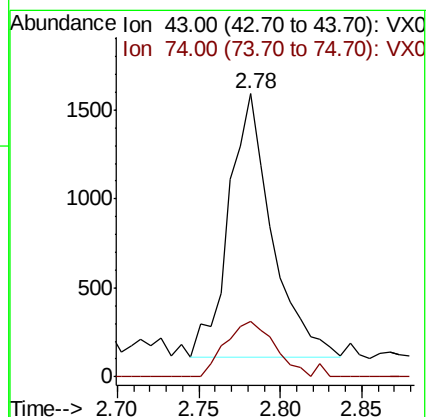
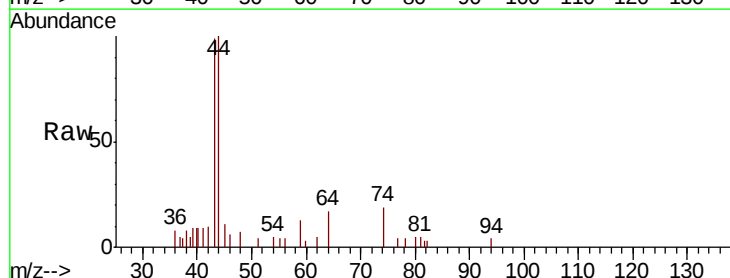
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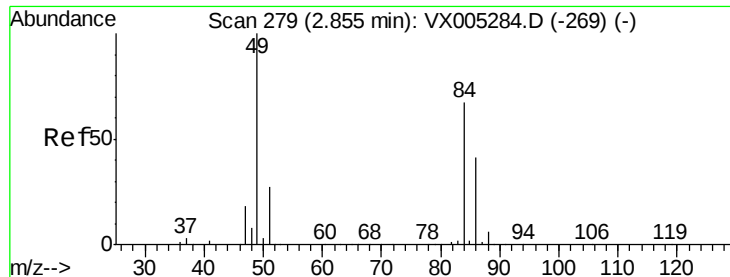
Tgt Ion: 43 Resp: 2743

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2

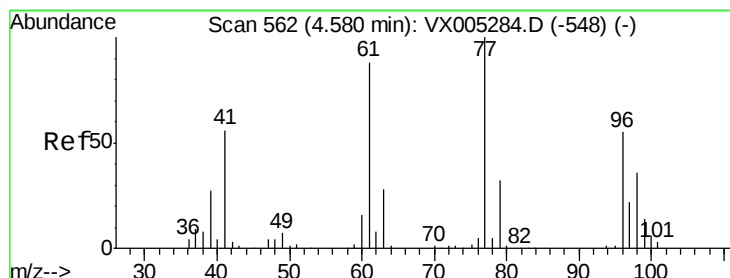
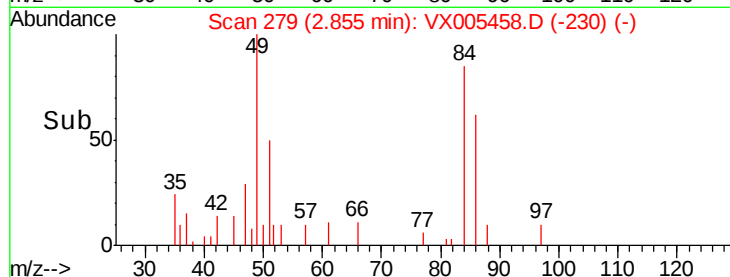
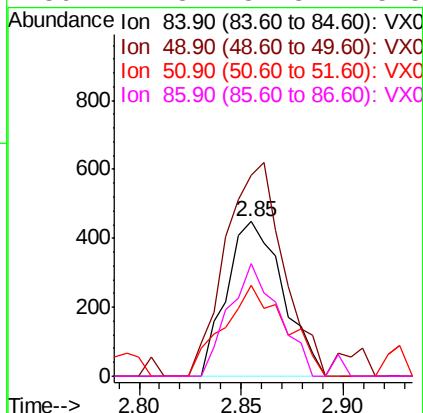
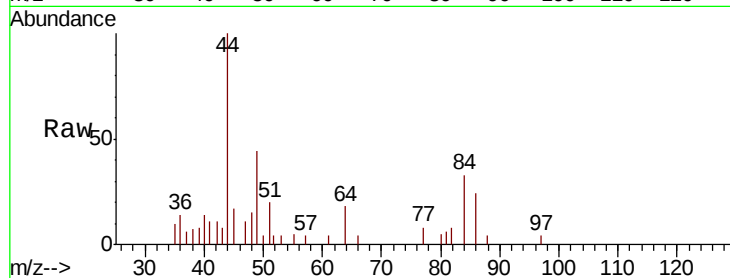




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

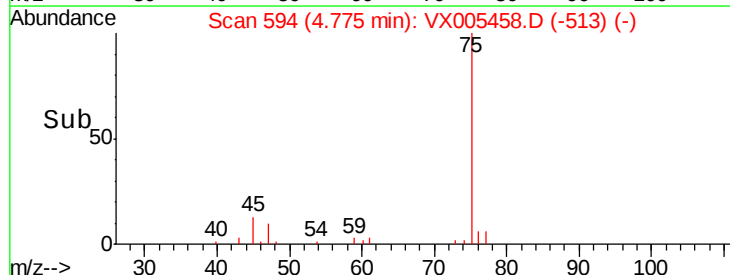
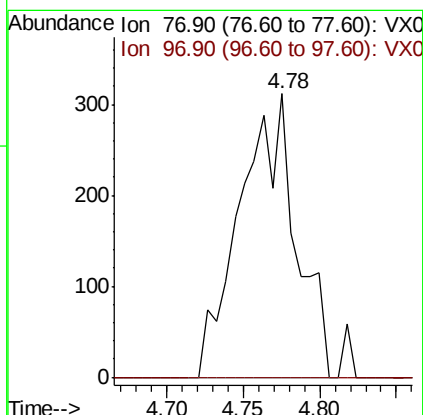
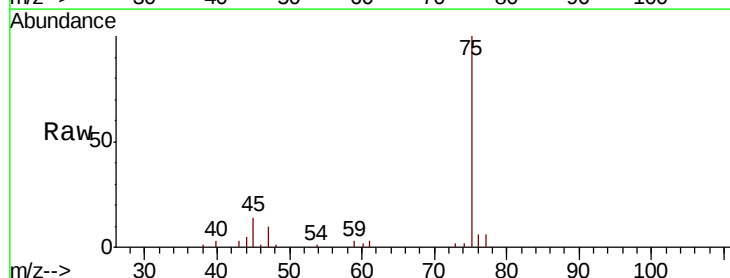
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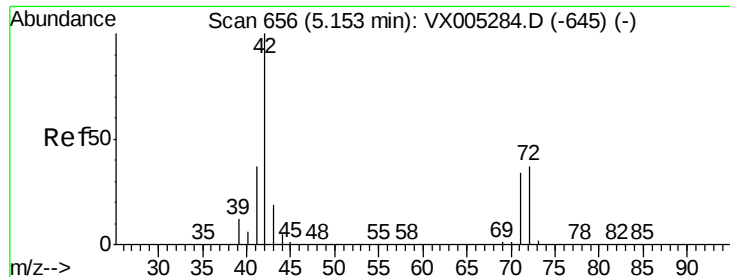
Tot Ion: 84 Resp: 859
Ion Ratio Lower Upper
84 100
49 130.6 101.2 151.8
51 59.2 29.5 44.3#
86 72.8 52.3 78.5



#26
2,2-Dichloropropane
Concen: 0.215 ug/l
RT: 4.78 min Scan# 594
Delta R.T. 0.20 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 77 Resp: 794
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#

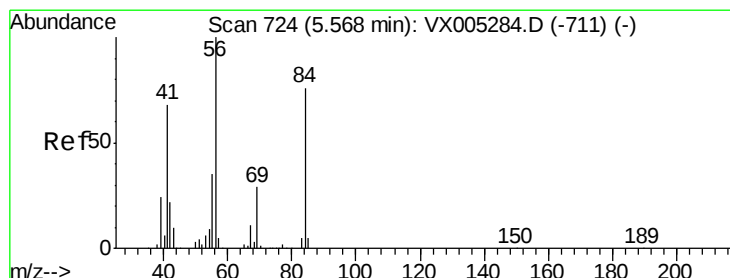
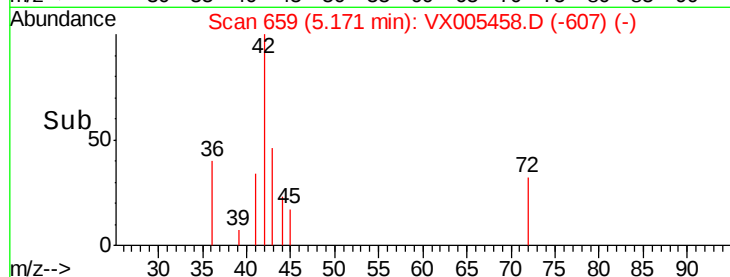
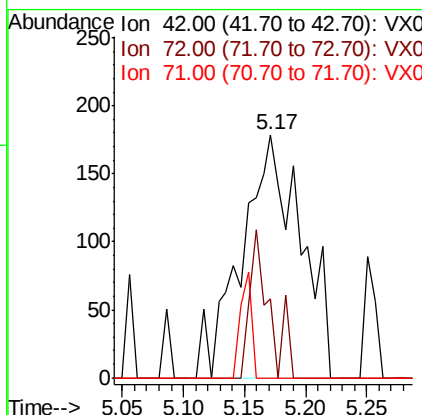
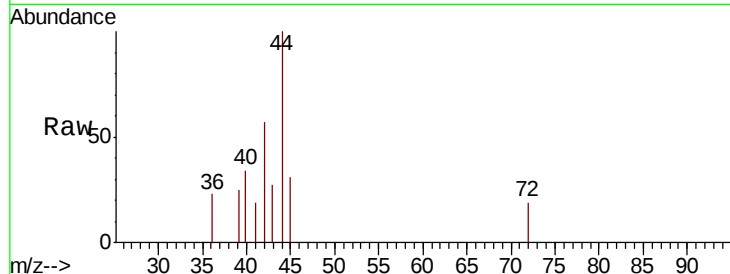




#29
Tetrahydrofuran
Concen: 0.379 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

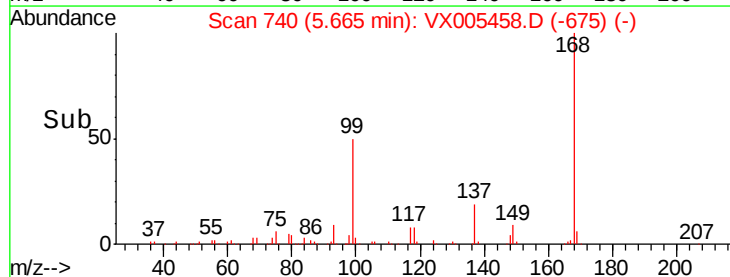
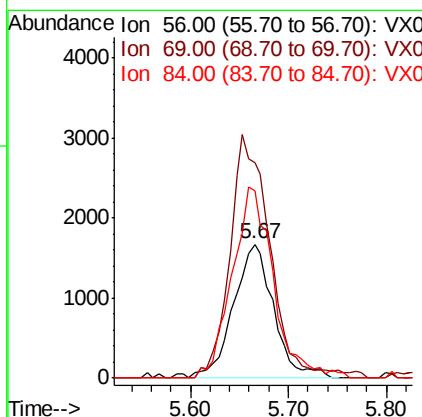
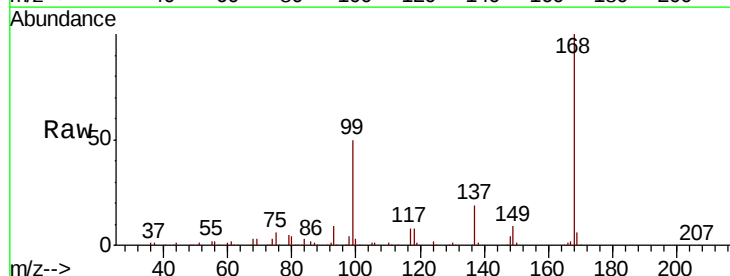
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MSVOA_X
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STORAGE-BLANK-WATER-REF-5

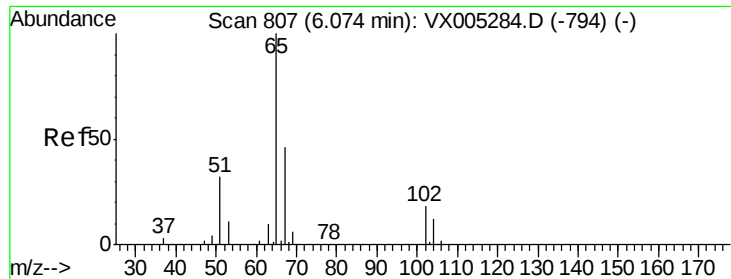
Tot Ion: 42 Resp: 607
Ion Ratio Lower Upper
42 100
72 20.3 37.4 56.0#
71 7.9 34.5 51.7#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 56 Resp: 4769
Ion Ratio Lower Upper
56 100
69 161.2 25.4 38.2#
84 140.2 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 51.120 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

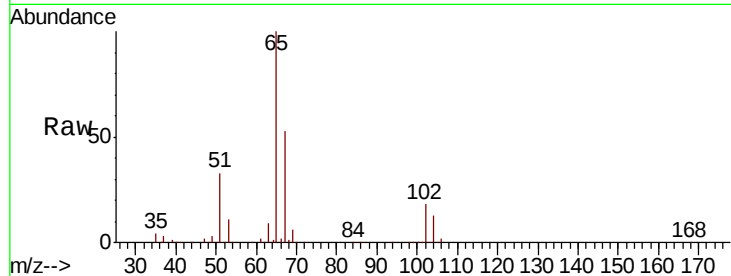
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 151654

Ion Ratio Lower Upper

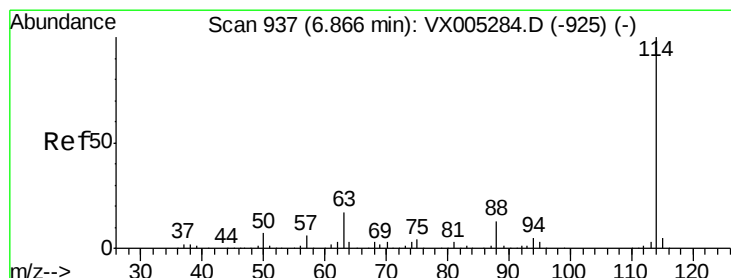
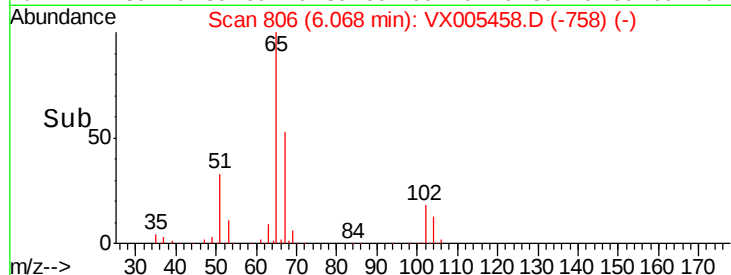
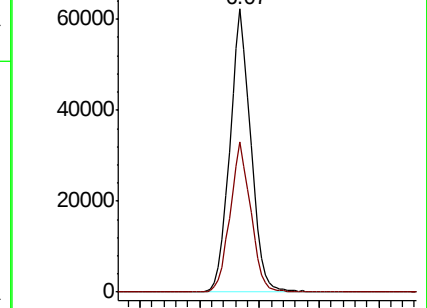
65 100

67 52.3 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. -0.01 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

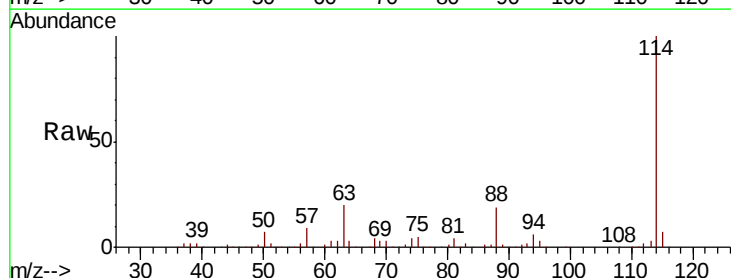
Tgt Ion: 114 Resp: 374852

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

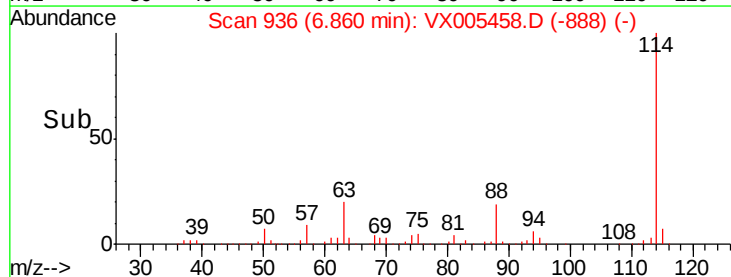
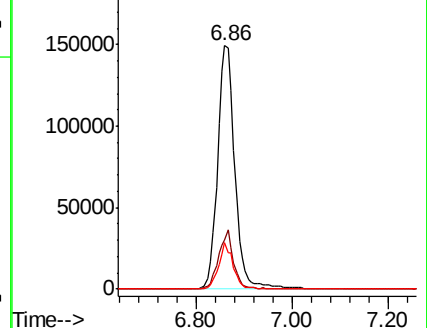
88 19.1 0.0 30.4

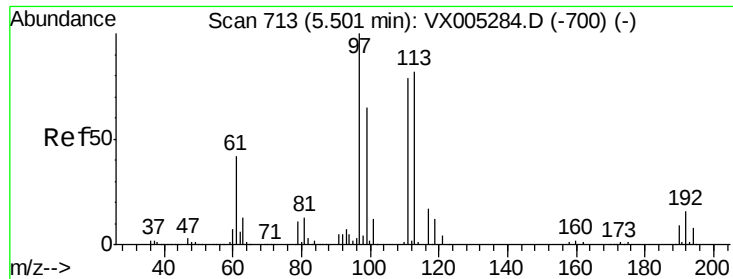


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

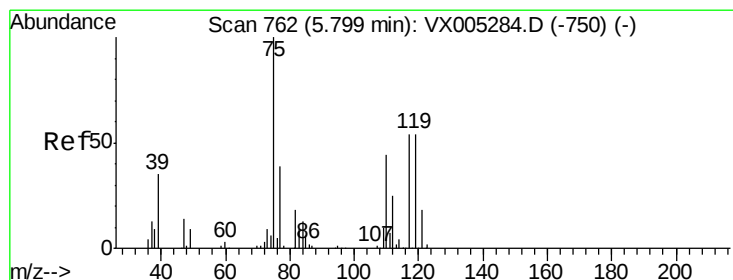
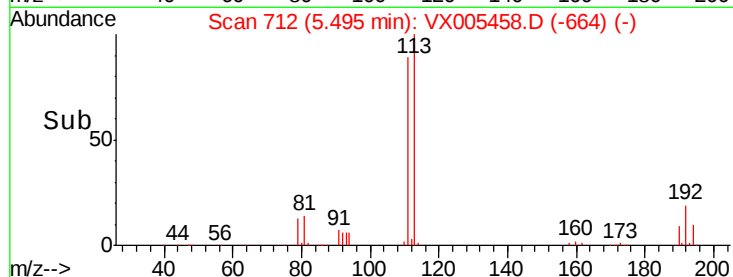
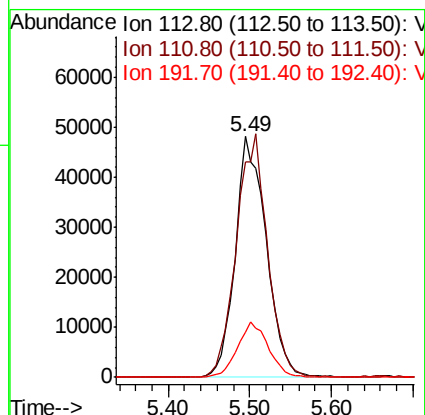
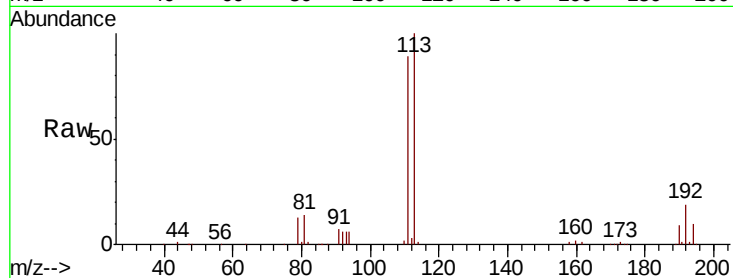




#35
Dibromofluoromethane
Concen: 50.876 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

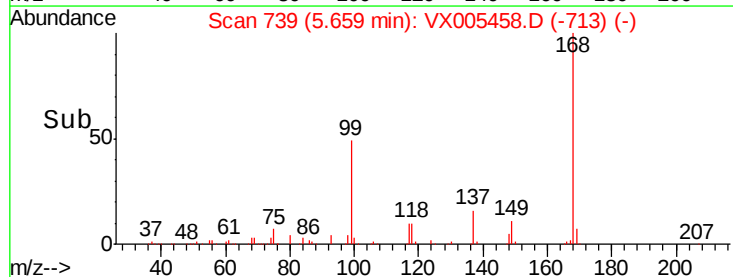
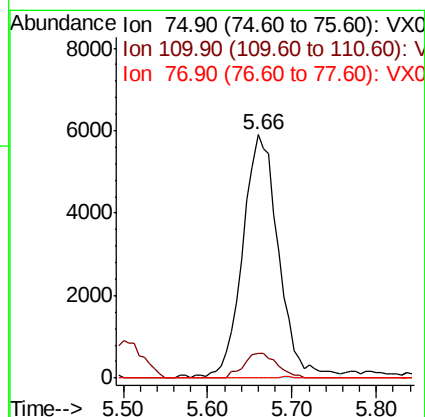
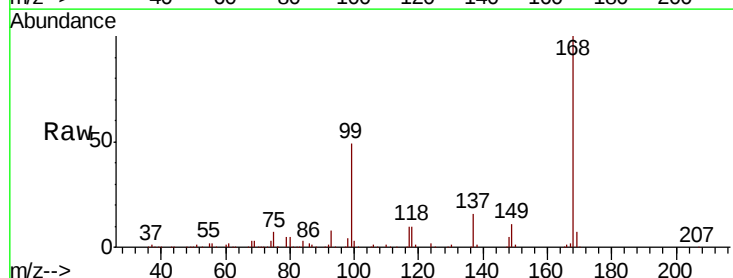
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

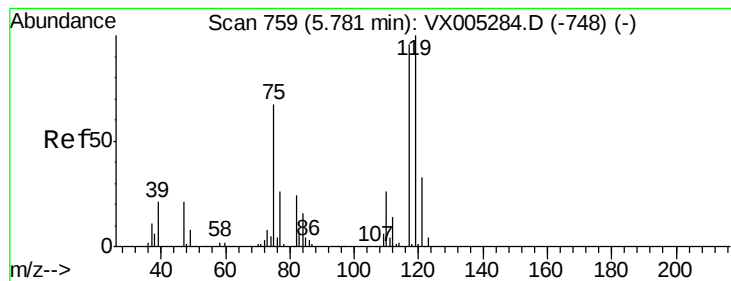
Tot Ion:113 Resp: 126313
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 23.0 19.4 29.2



#36
1,1-Dichloropropene
Concen: 4.701 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 75 Resp: 17068
Ion Ratio Lower Upper
75 100
110 9.5 18.0 54.0#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.291 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

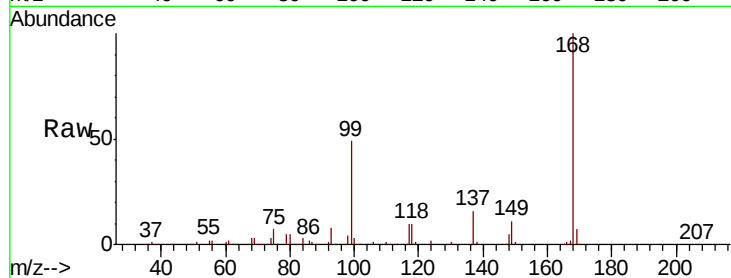
Tot Ion:117 Resp: 22947

Ion Ratio Lower Upper

117 100

119 6.1 78.8 118.2#

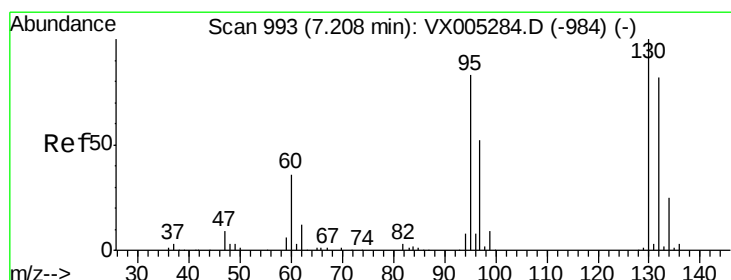
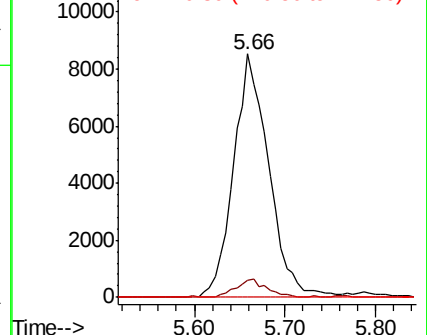
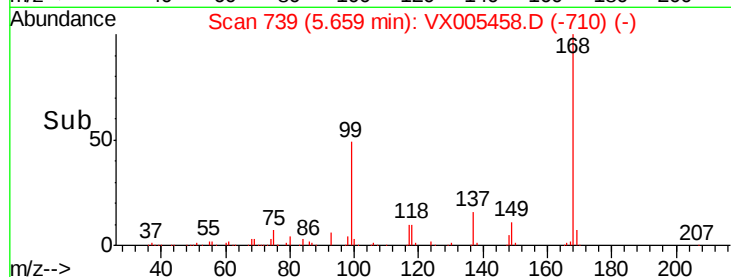
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005458.D

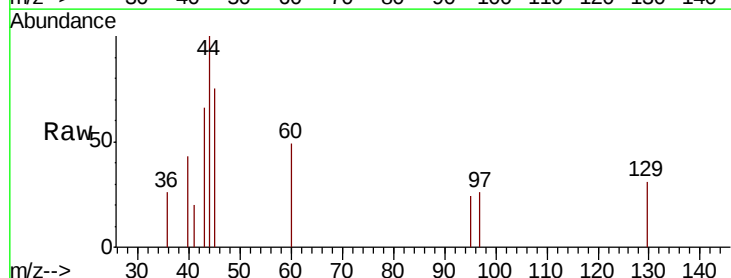
Acq: 19 Oct 2018 15:13

Tgt Ion:130 Resp: 99

Ion Ratio Lower Upper

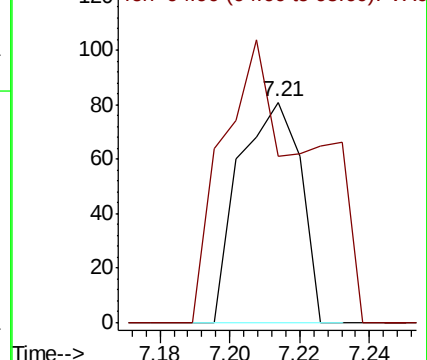
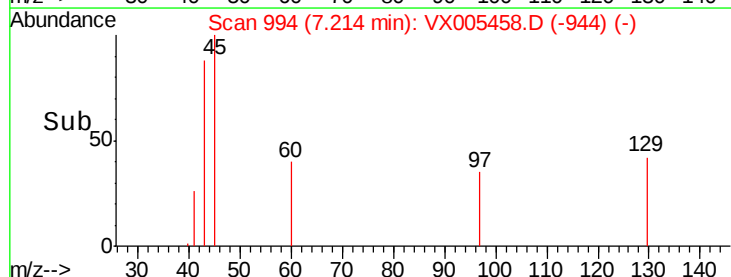
130 100

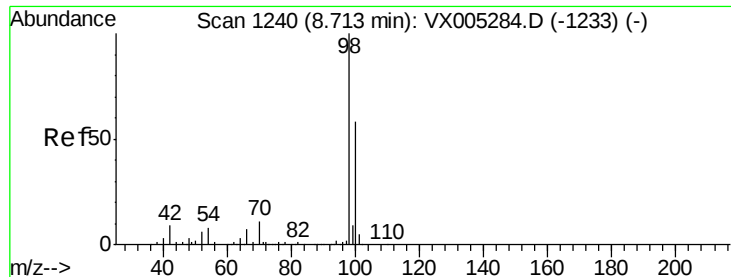
95 75.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

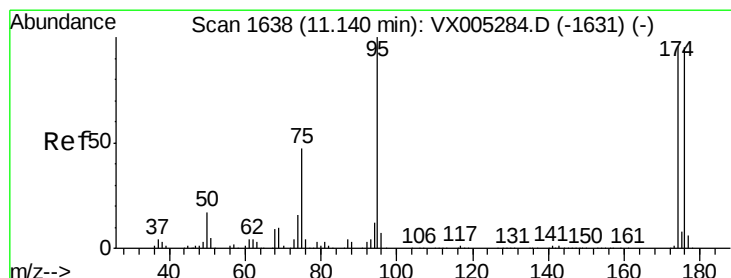
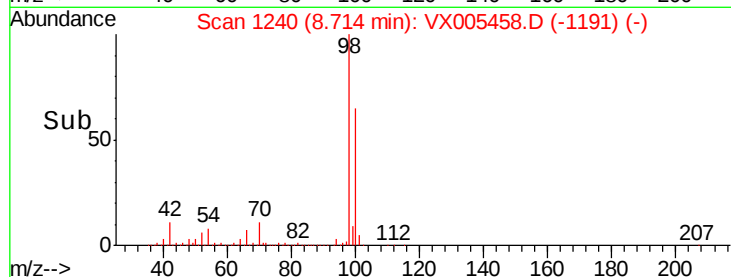
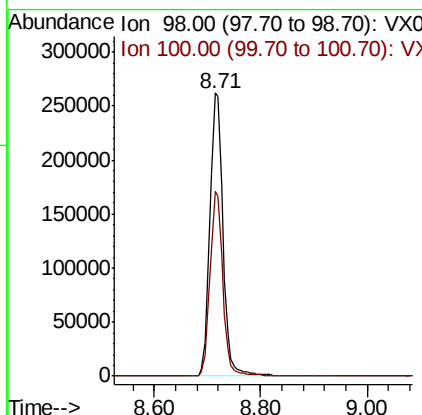
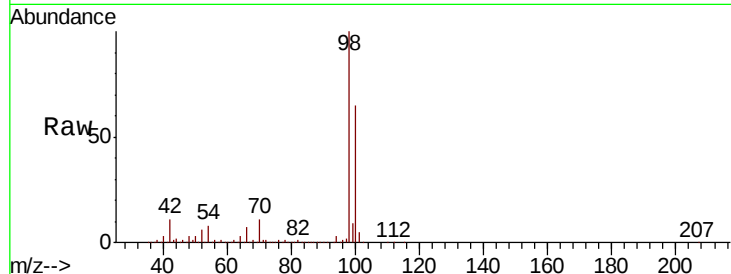




#50
Toluene-d8
Concen: 51.989 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

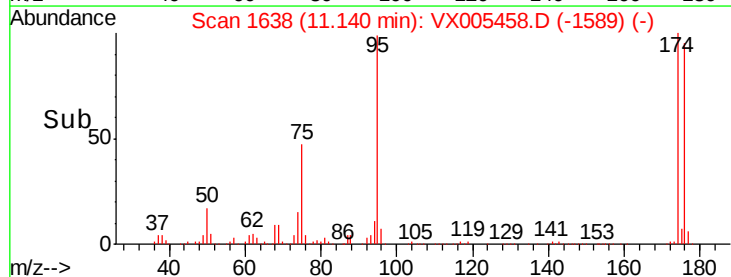
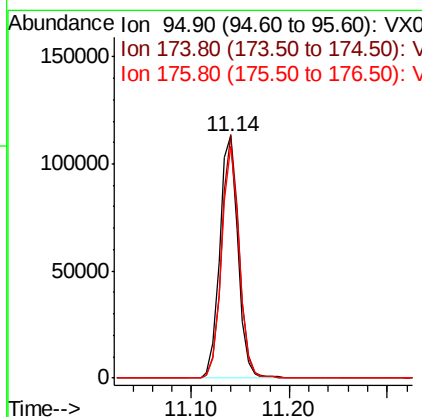
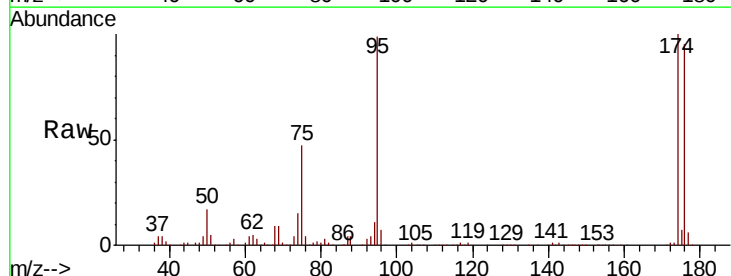
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

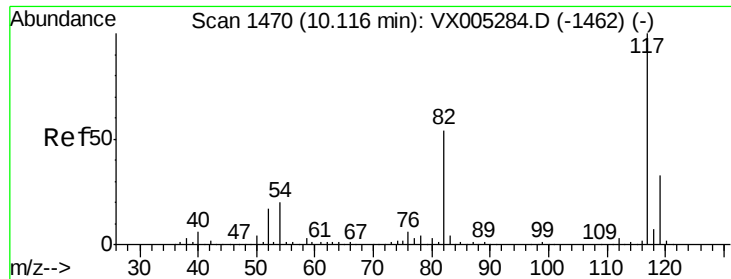
Tot Ion: 98 Resp: 443126
Ion Ratio Lower Upper
98 100
100 63.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.636 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

Tgt Ion: 95 Resp: 146123
Ion Ratio Lower Upper
95 100
174 96.4 0.0 185.2
176 92.4 0.0 178.6

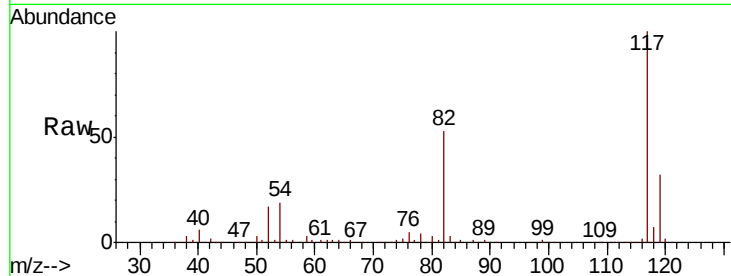




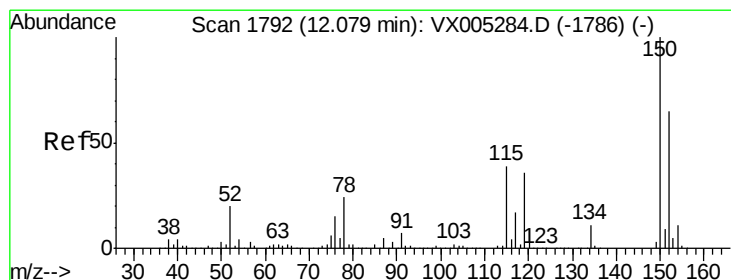
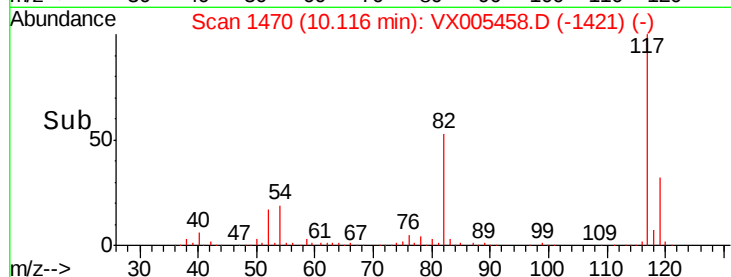
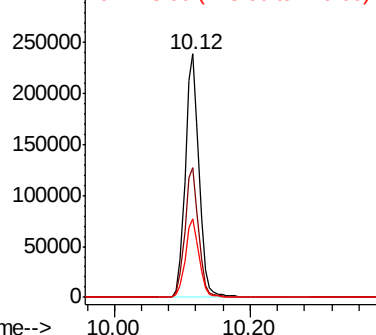
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

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

Tot Ion:117 Resp: 334628
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.4 29.3 43.9

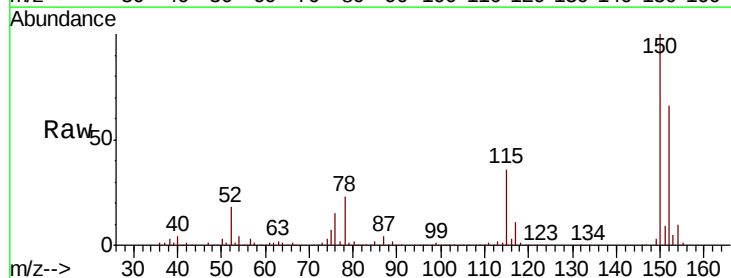


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

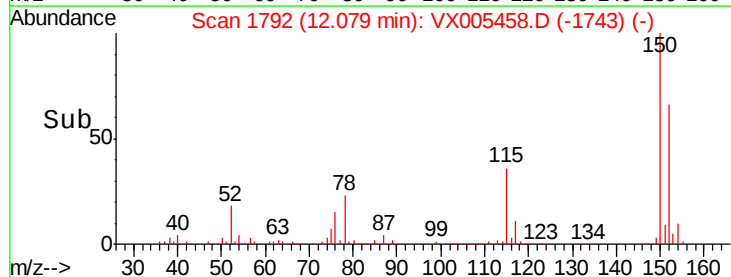
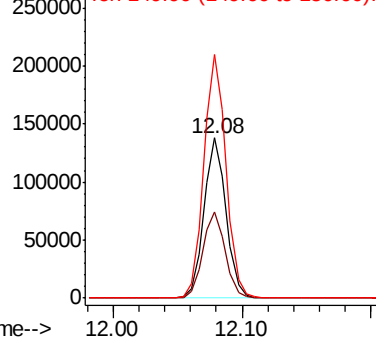


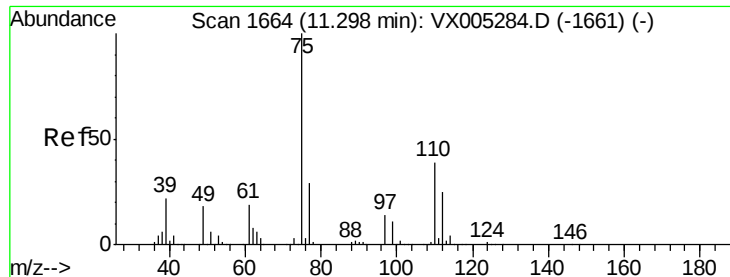
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005458.D
Acq: 19 Oct 2018 15:13

Tgt Ion:152 Resp: 163924
Ion Ratio Lower Upper
152 100
115 54.6 39.0 117.0
150 154.0 0.0 351.0



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





#76

1,2,3-Trichloropropane

Concen: 22.374 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

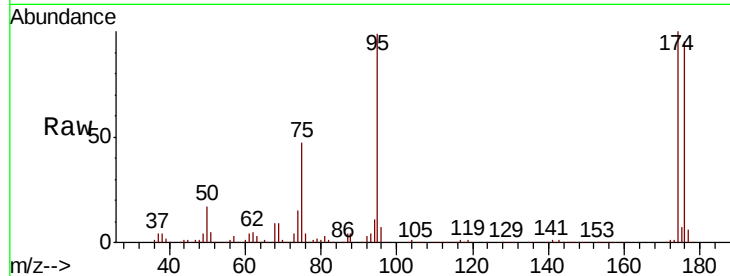
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 71142

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

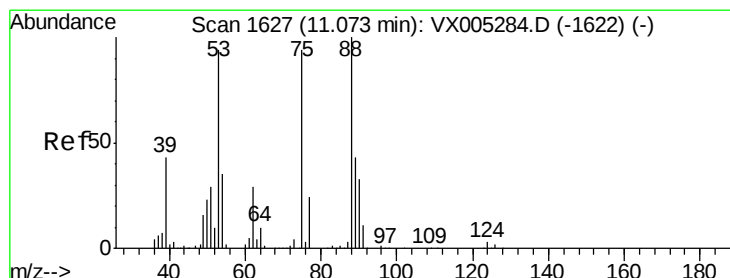
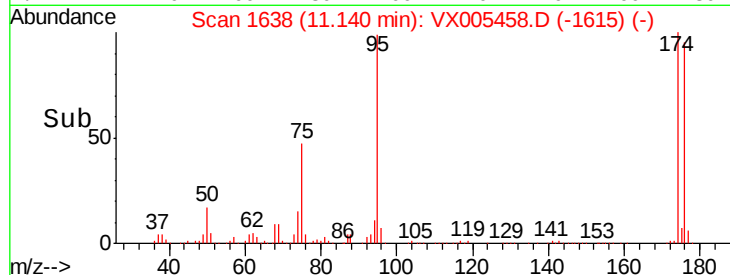
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 67.983 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005458.D

Acq: 19 Oct 2018 15:13

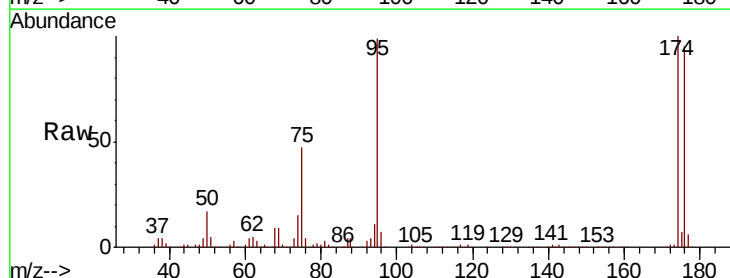
Tgt Ion: 75 Resp: 71142

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

40000

20000

0

11.10 11.20

Time-->

