

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017627.D
 Acq On : 27 Jul 2020 19:18
 Operator : JC/SP
 Sample : L3440-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Jul 28 01:35:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	487399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	767559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	796809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	428843	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	327255	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	5.47	113	276897	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
50) Toluene-d8	8.70	98	1007468	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	11.12	95	417057	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	

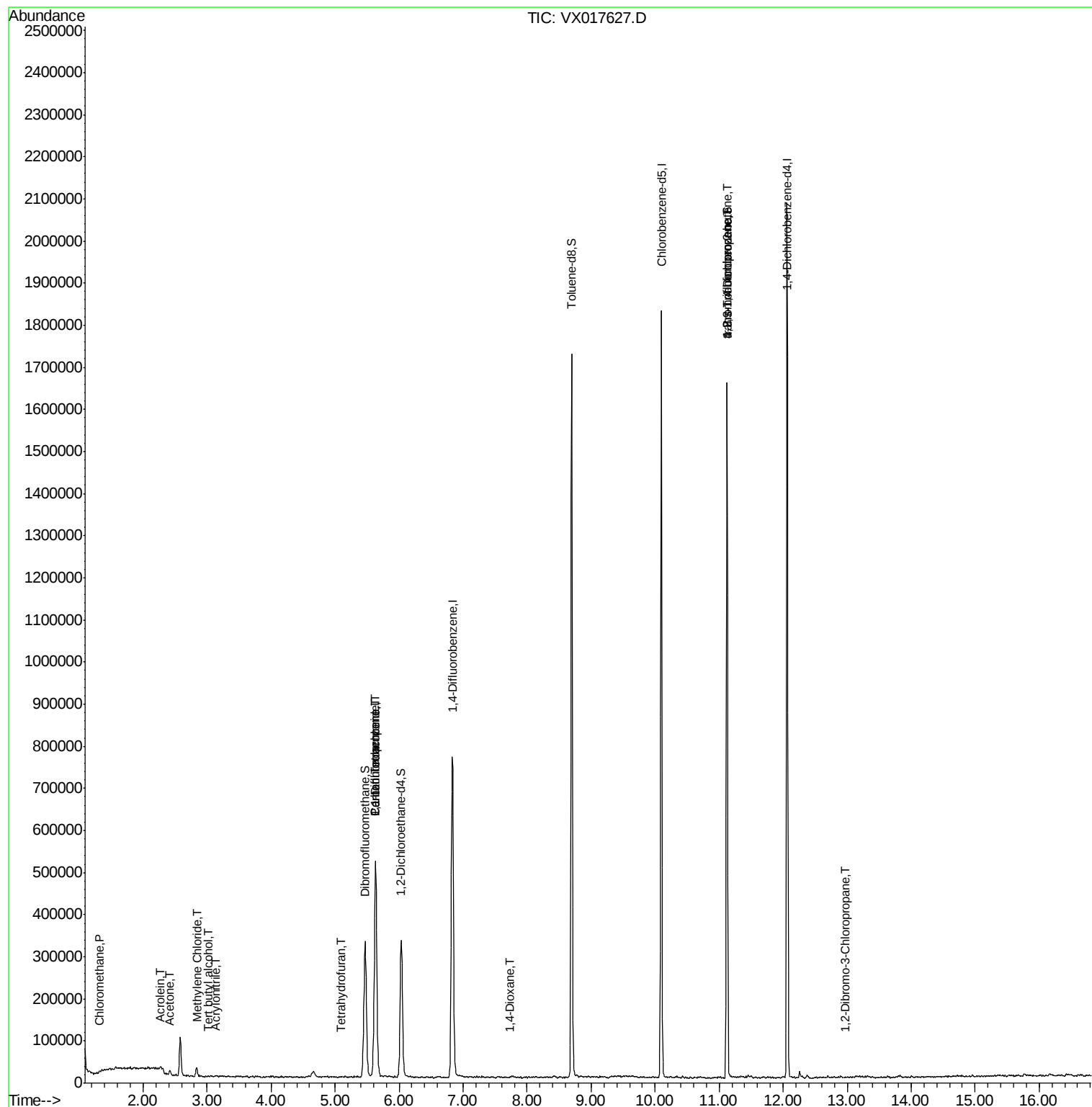
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	467	Below Cal	#	42
3) Chloromethane	1.31	50	2487	0.777	ug/l	91
5) Bromomethane	1.64	94	615	Below Cal		87
6) Chloroethane	1.71	64	599	Below Cal	#	85
8) Diethyl Ether	2.17	74	888	Below Cal		82
11) Tert butyl alcohol	3.03	59	364	0.276	ug/l #	1
13) Acrolein	2.28	56	985	5.110	ug/l #	56
15) Acrylonitrile	3.13	53	757	0.266	ug/l #	10
16) Acetone	2.42	43	11255	4.084	ug/l	94
20) Methylene Chloride	2.84	84	10347	0.728	ug/l	95
29) Tetrahydrofuran	5.10	42	490	0.202	ug/l #	85
36) 1,1-Dichloropropene	5.64	75	36009	4.891	ug/l #	47
38) Carbon Tetrachloride	5.63	117	50646	5.665	ug/l #	17
49) 1,4-Dioxane	7.72	88	535	4.236	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	209605	23.761	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	209605	59.872	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	281	2.679	ug/l #	5

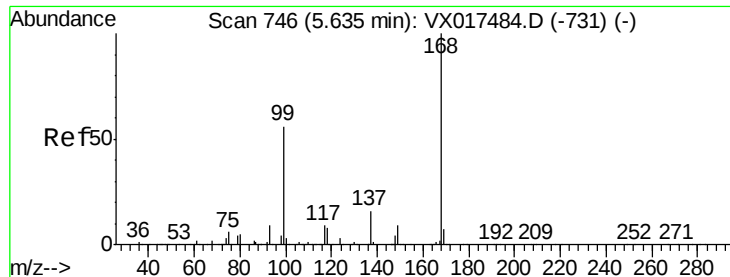
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
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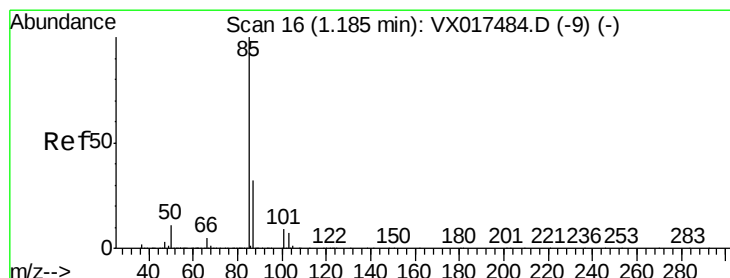
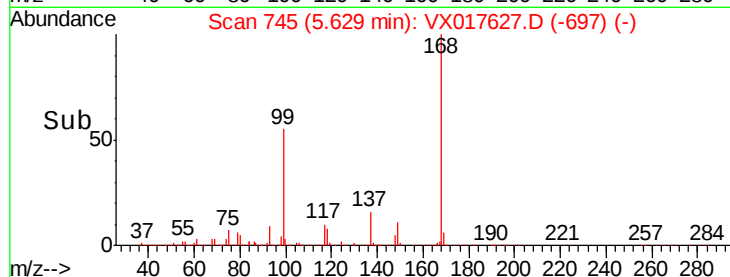
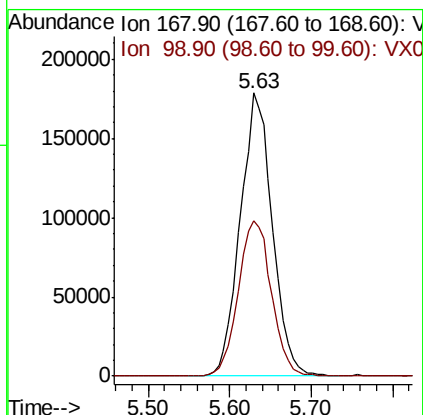
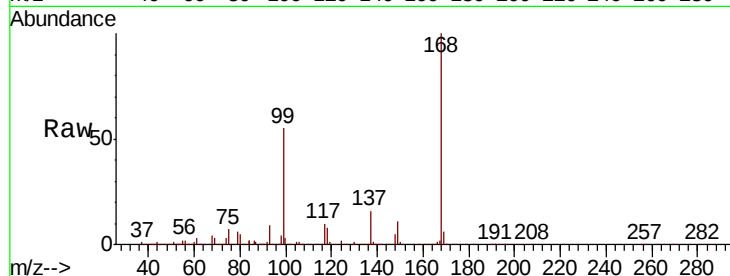


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX017627.D
 Acq: 27 Jul 2020 19:18

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

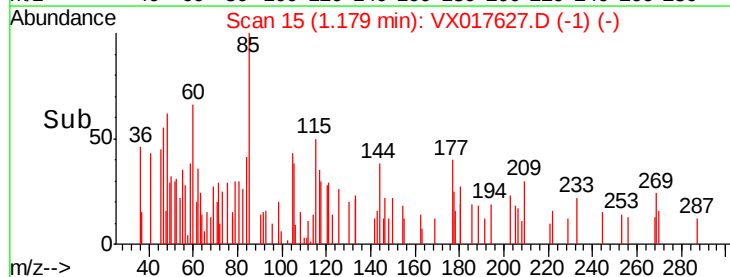
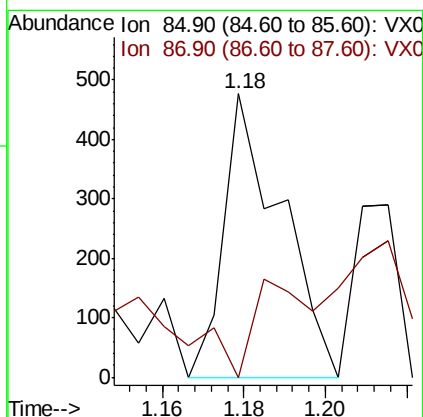
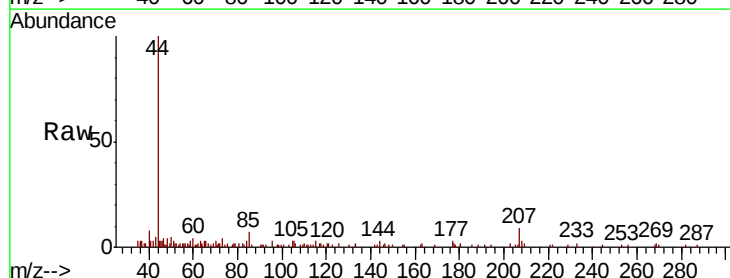
Tot Ion:168 Resp: 487399
 Ion Ratio Lower Upper
 168 100
 99 54.7 43.4 65.2

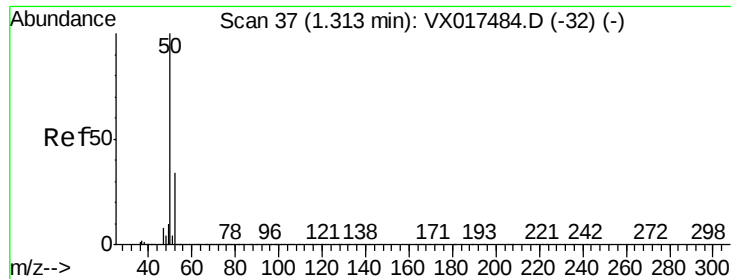


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.18 min Scan# 15
 Delta R.T. -0.01 min
 Lab File: VX017627.D
 Acq: 27 Jul 2020 19:18

Tgt Ion: 85 Resp: 467
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.1 48.3#





#3

Chloromethane

Concen: 0.777 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

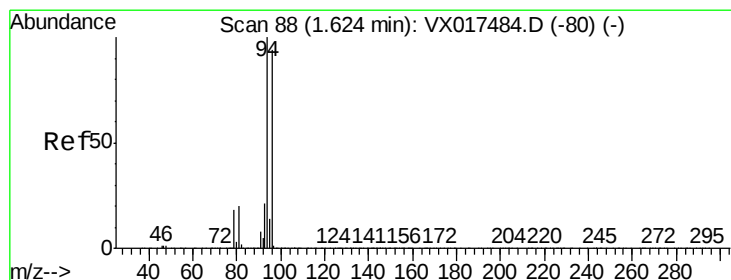
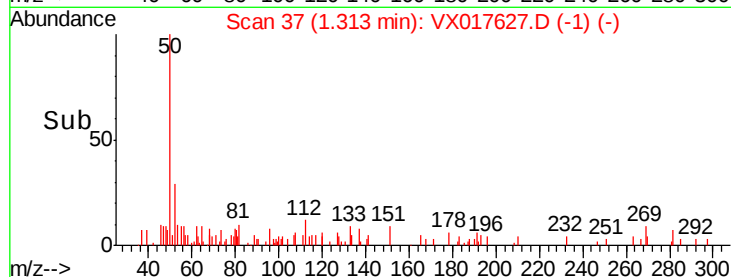
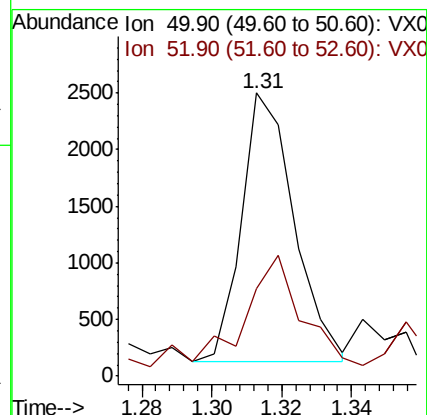
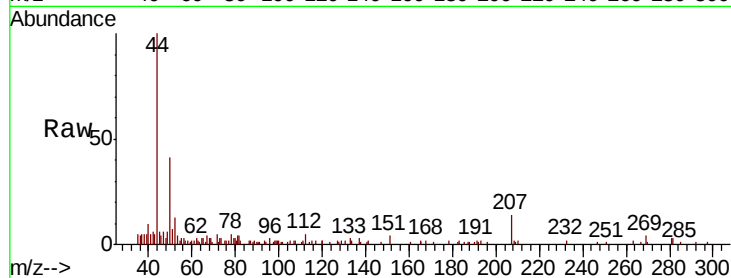
STORAGE-BLANK-WATER-REF-4

Tot Ion: 50 Resp: 2487

Ion Ratio Lower Upper

50 100

52 27.3 25.9 38.9



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017627.D

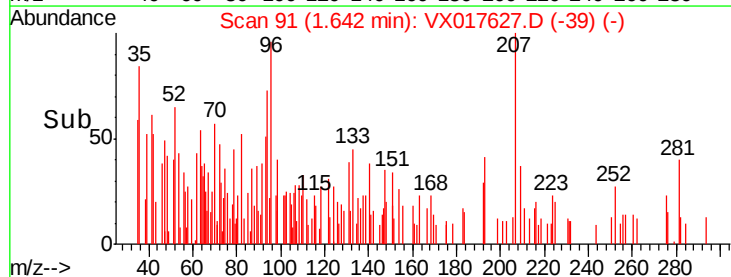
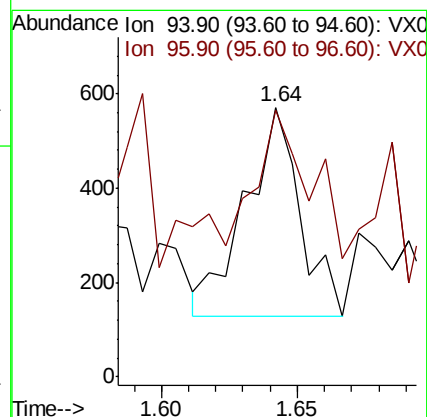
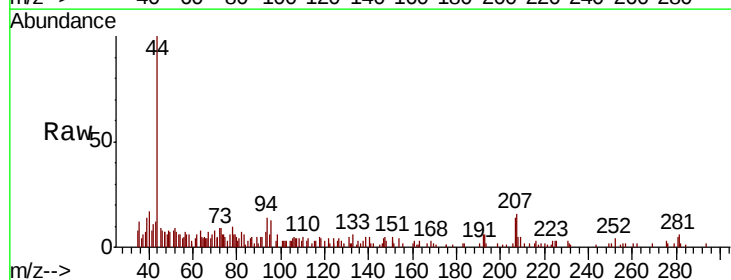
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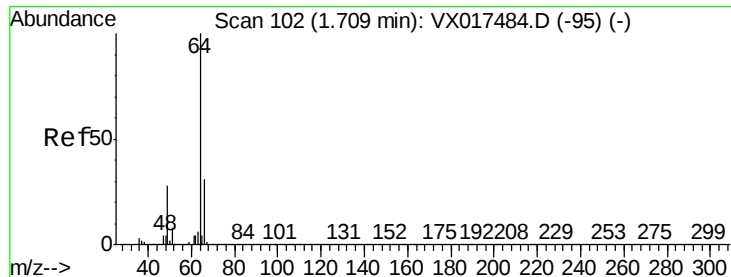
Tgt Ion: 94 Resp: 615

Ion Ratio Lower Upper

94 100

96 80.2 74.1 111.1





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

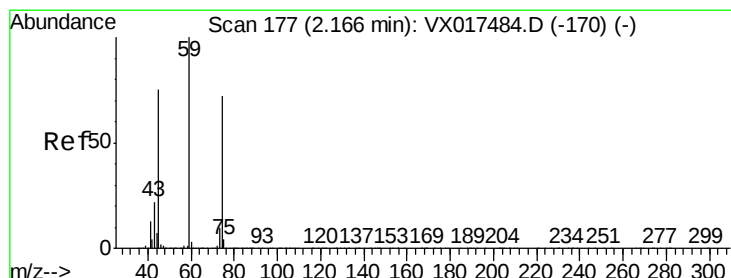
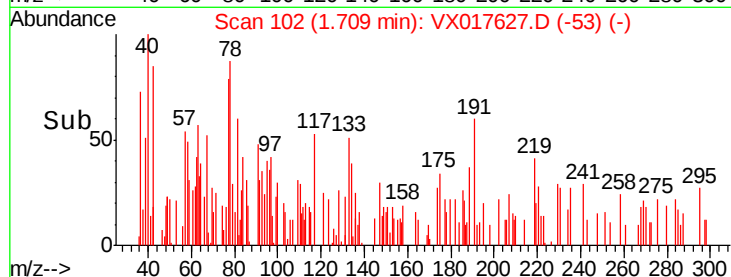
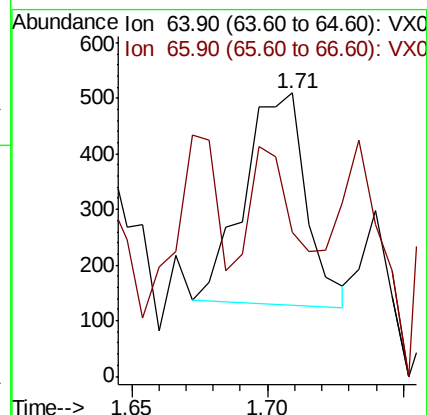
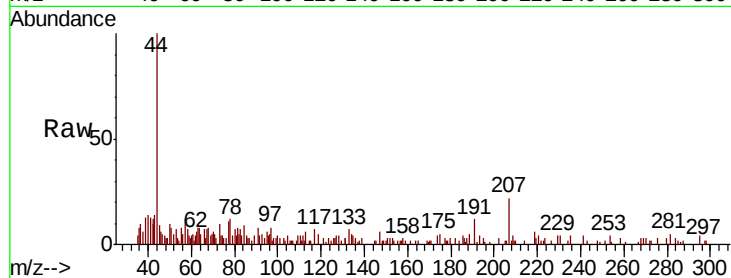
STORAGE-BLANK-WATER-REF-4

Tot Ion: 64 Resp: 599

Ion Ratio Lower Upper

64 100

66 22.6 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017627.D

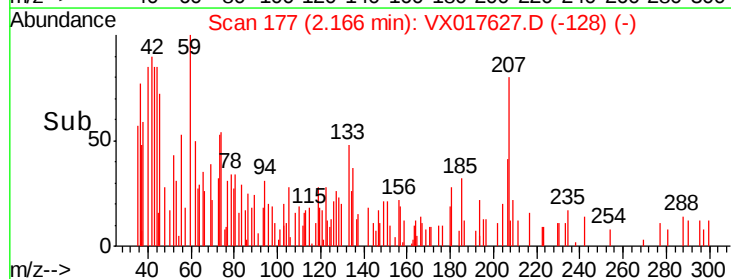
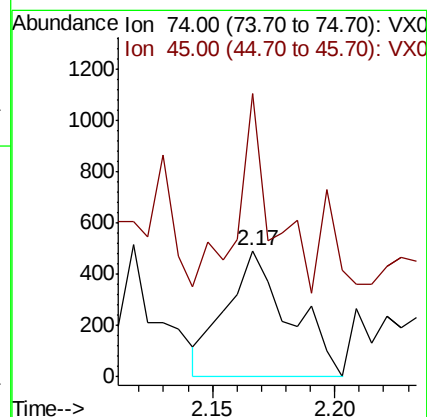
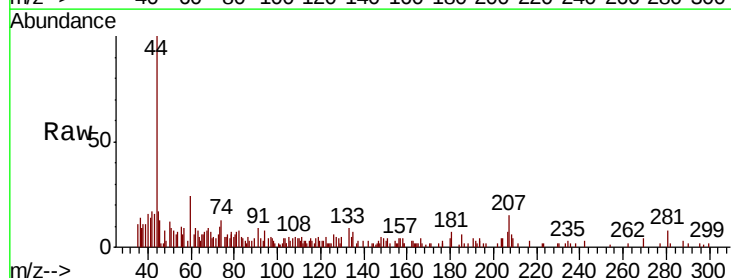
Acq: 27 Jul 2020 19:18

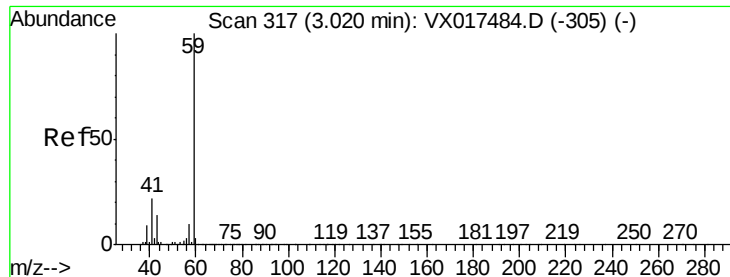
Tgt Ion: 74 Resp: 888

Ion Ratio Lower Upper

74 100

45 83.6 50.8 152.5

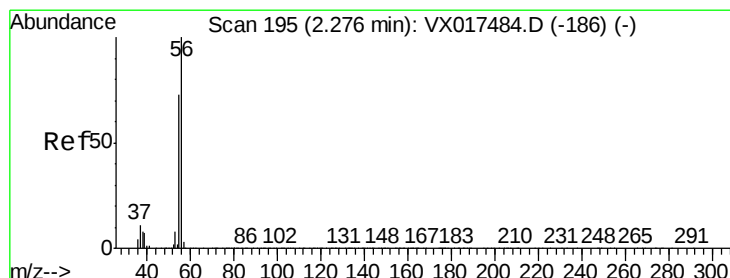
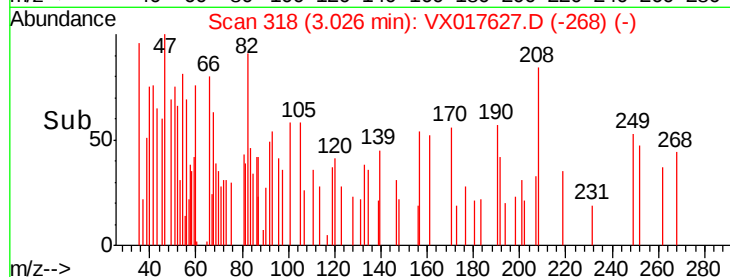
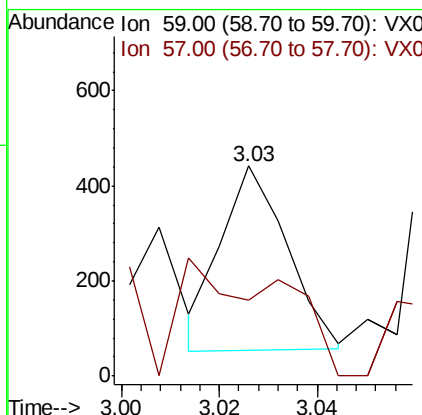
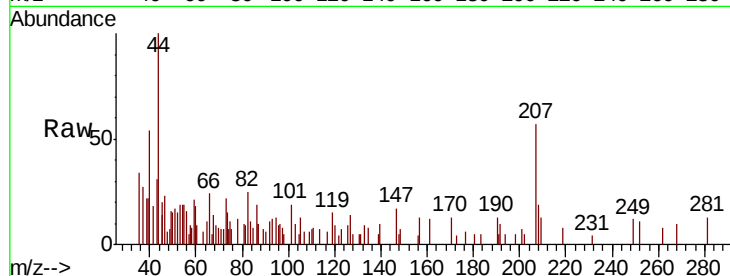




#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

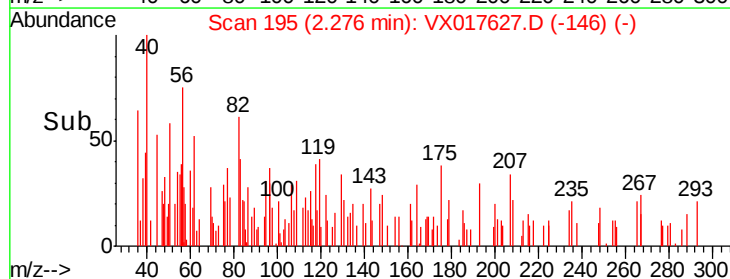
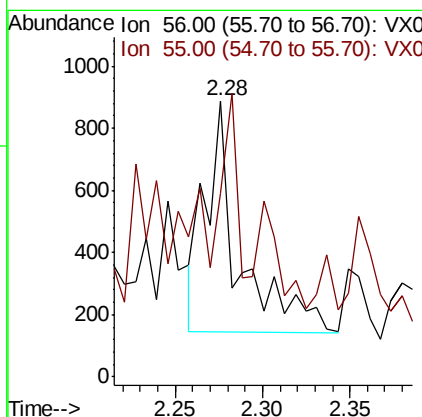
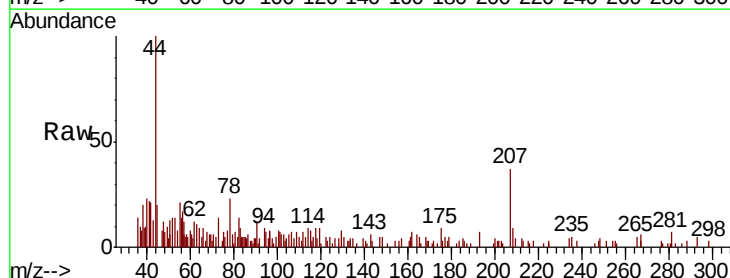
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

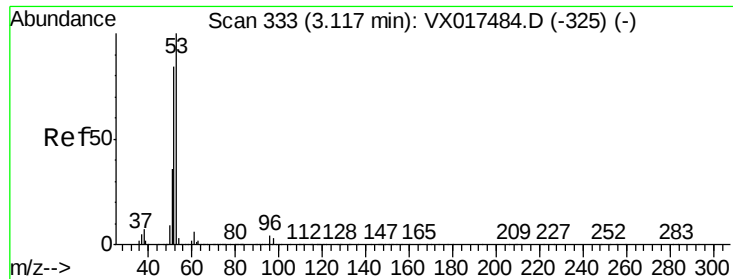
Tot Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 96.2 8.6 12.8#



#13
Acrolein
Concen: 5.110 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

Tgt Ion: 56 Resp: 985
Ion Ratio Lower Upper
56 100
55 35.3 57.4 86.2#

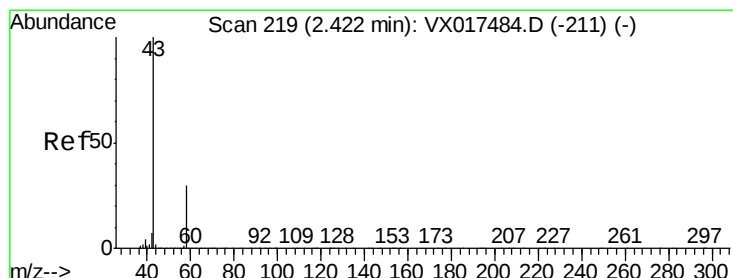
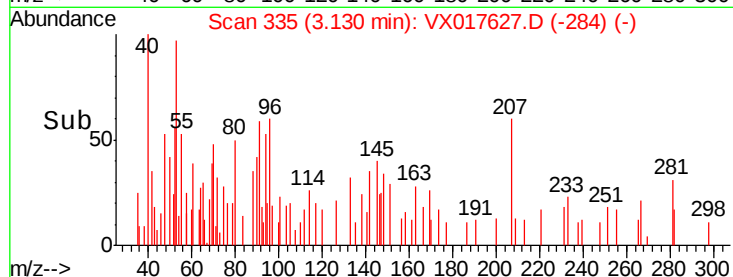
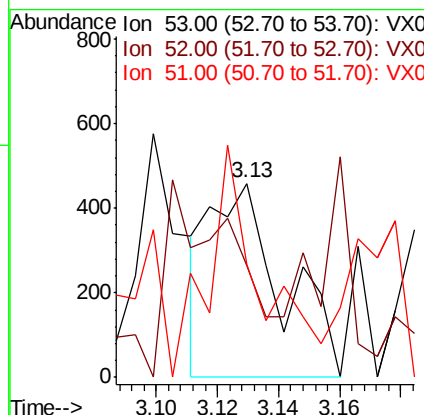
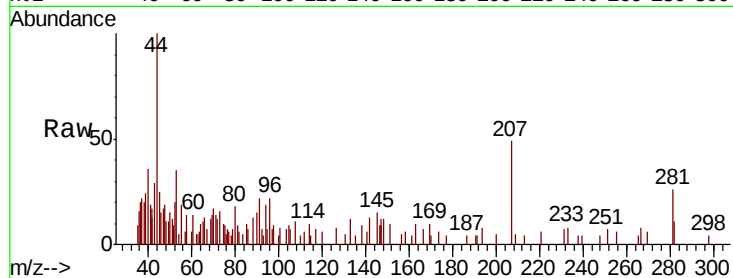




#15
 Acrylonitrile
 Concen: 0.266 ug/l
 RT: 3.13 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX017627.D
 Acq: 27 Jul 2020 19:18

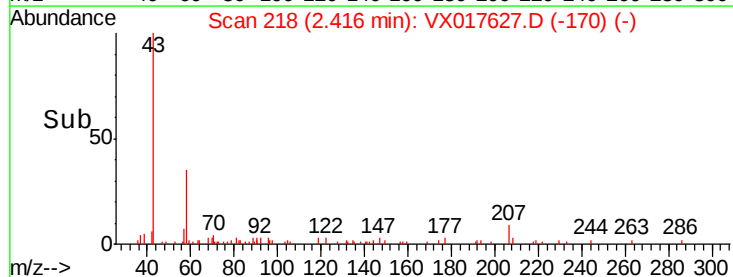
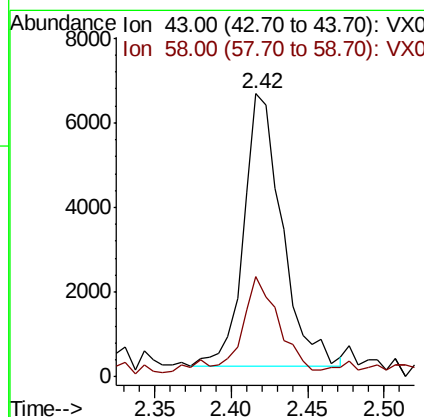
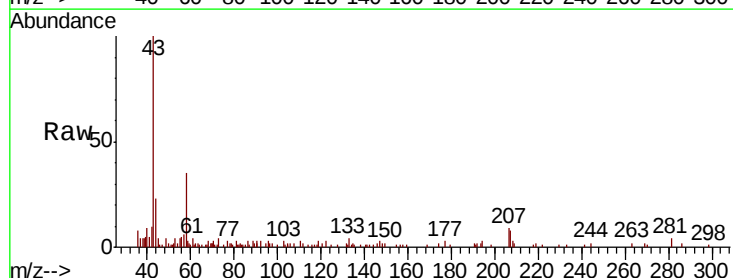
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 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

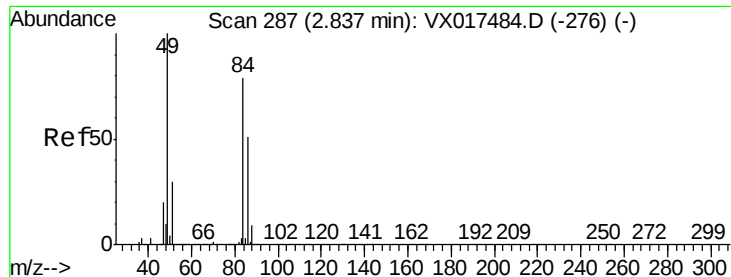
Tot Ion: 53 Resp: 757
 Ion Ratio Lower Upper
 53 100
 52 0.0 66.6 99.8#
 51 86.5 29.4 44.2#



#16
 Acetone
 Concen: 4.084 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017627.D
 Acq: 27 Jul 2020 19:18

Tgt Ion: 43 Resp: 11255
 Ion Ratio Lower Upper
 43 100
 58 33.3 24.2 36.4

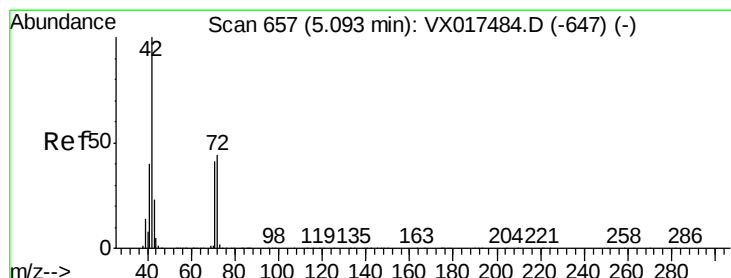
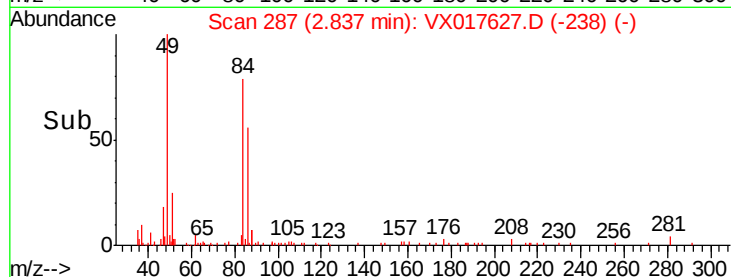
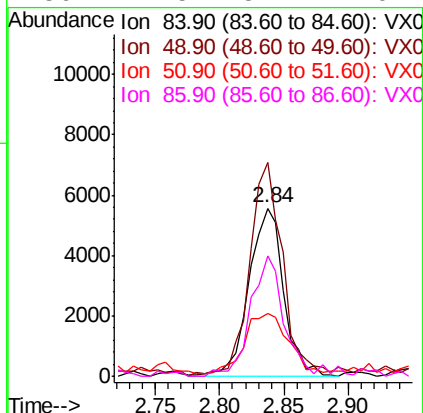
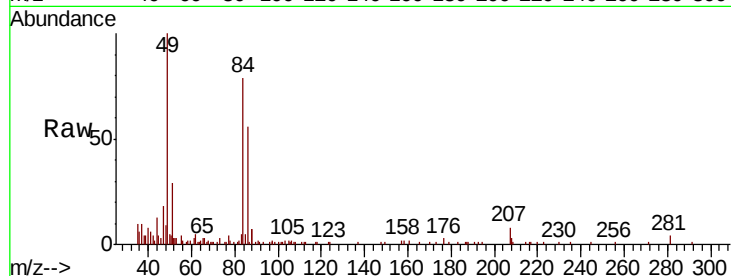




#20
Methvlene Chloride
Concen: 0.728 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

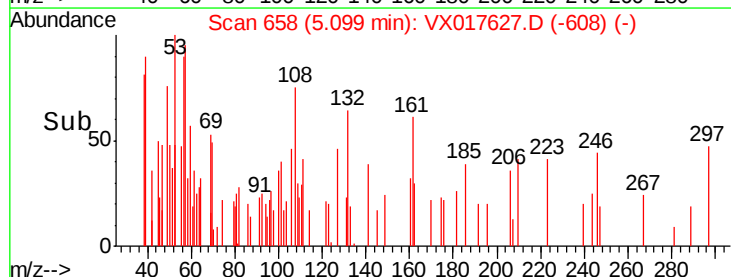
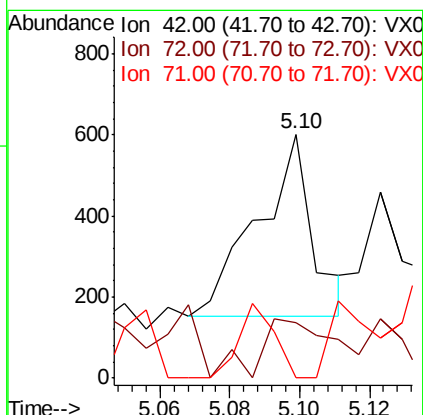
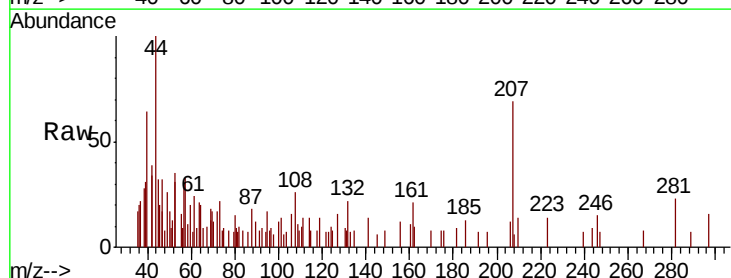
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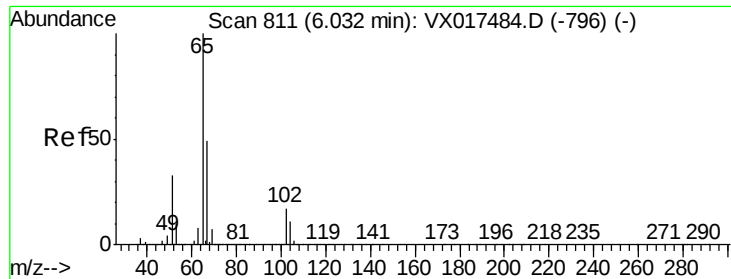
Tot Ion:	84	Resp:	10347
Ion	Ratio	Lower	Upper
84	100		
49	123.6	100.3	150.5
51	33.8	30.5	45.7
86	71.5	51.1	76.7



#29
Tetrahydrofuran
Concen: 0.202 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

Tgt Ion:	42	Resp:	490
Ion	Ratio	Lower	Upper
42	100		
72	40.4	35.5	53.3
71	26.1	33.0	49.4#





#33

1,2-Dichloroethane-d4

Concen: 52.270 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

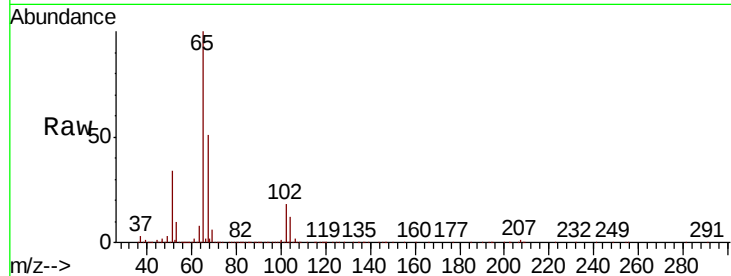
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 327255

Ion Ratio Lower Upper

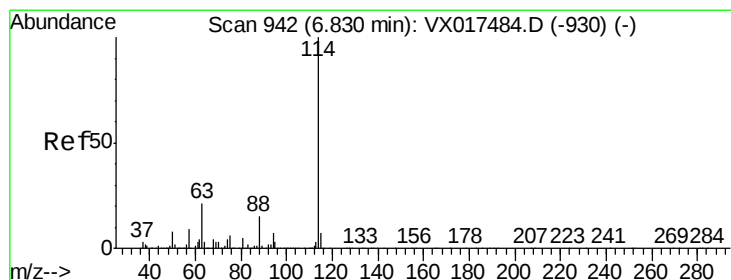
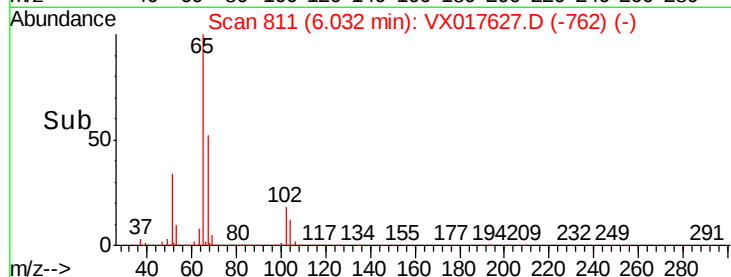
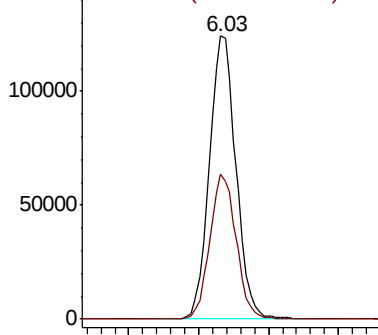
65 100

67 50.6 0.0 102.8



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

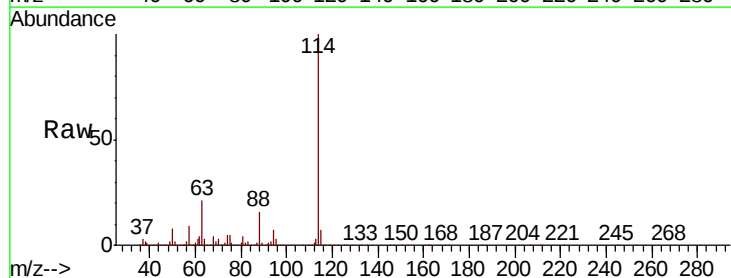
Tgt Ion: 114 Resp: 767559

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.6

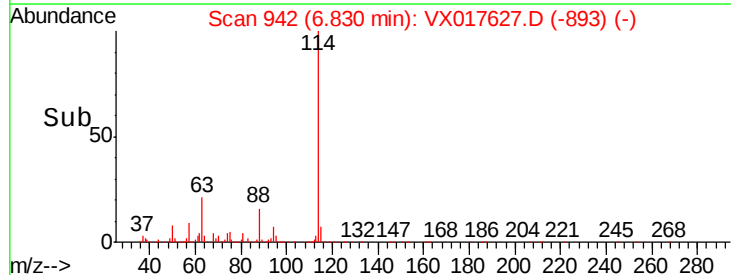
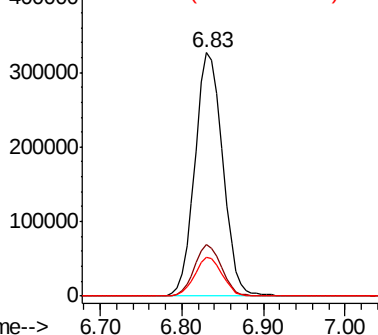
88 15.8 0.0 33.4

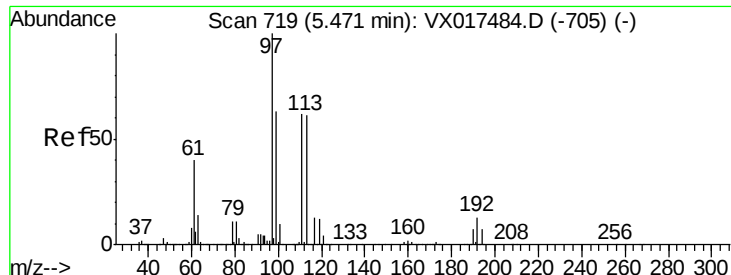


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

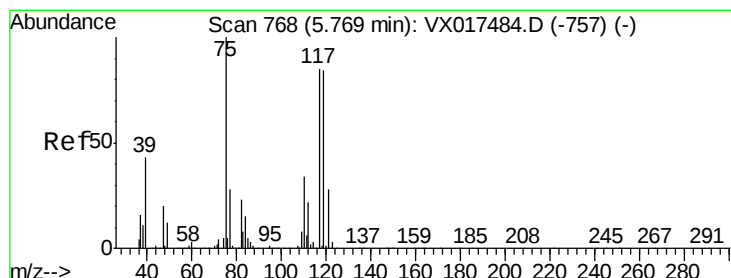
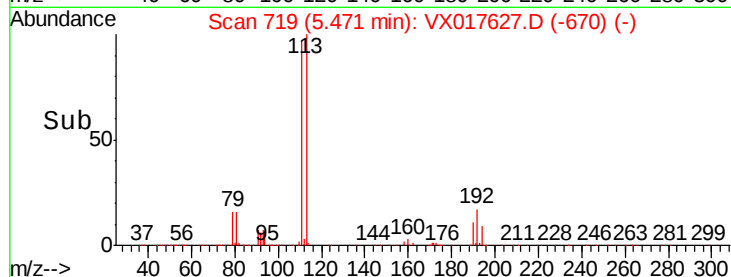
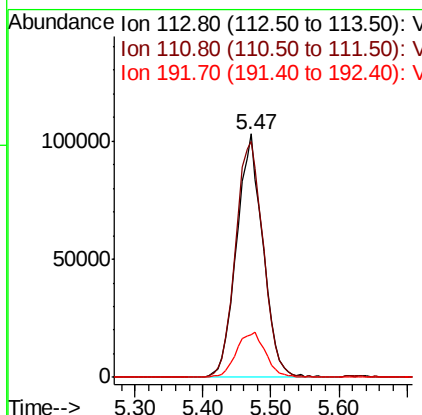
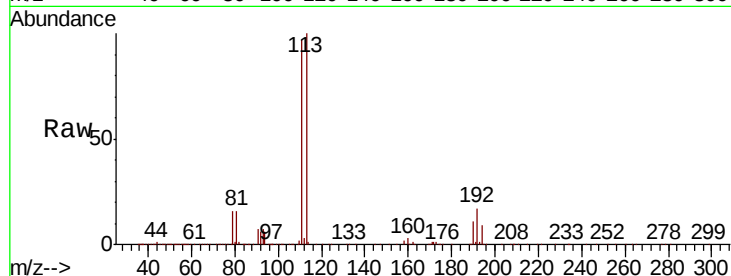




#35
Dibromofluoromethane
Concen: 53.939 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

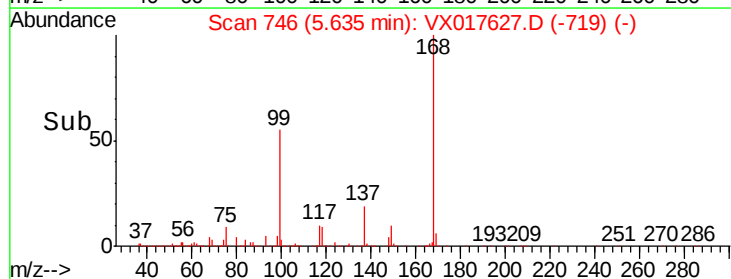
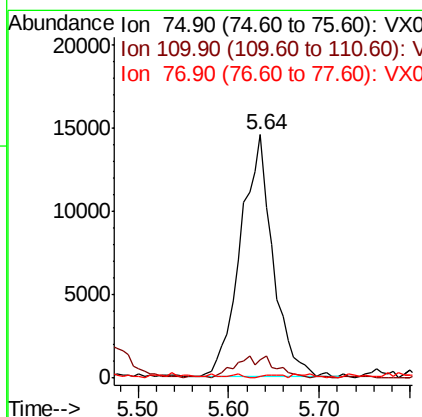
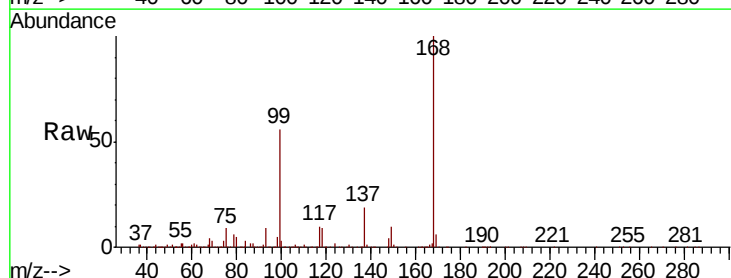
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

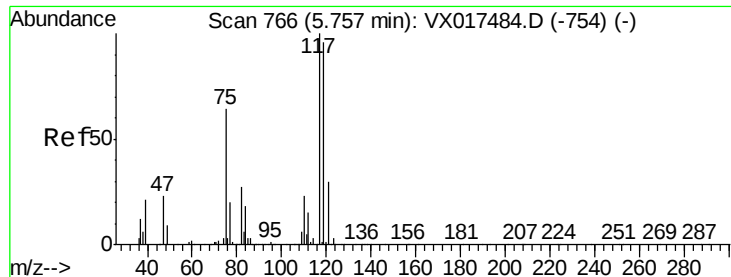
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.7	121.1
192	20.3	16.9	25.3



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.9	18.1	54.3#
77	0.8	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

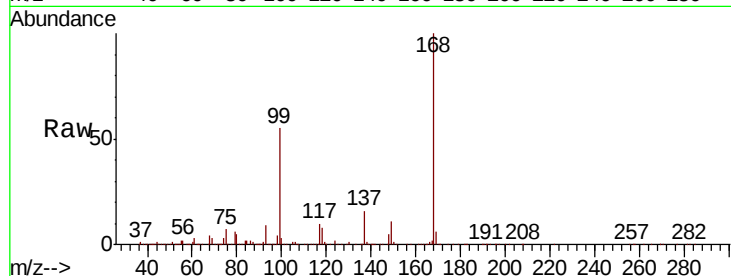
Tot Ion:117 Resp: 50646

Ion Ratio Lower Upper

117 100

119 5.5 75.4 113.0#

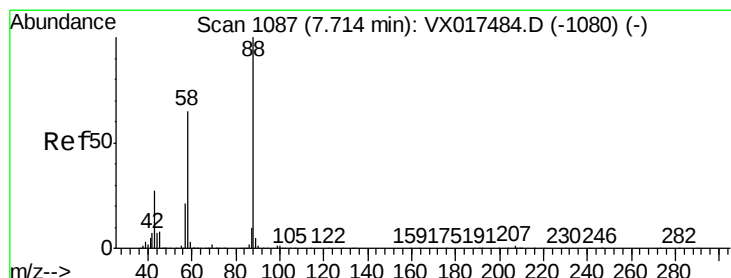
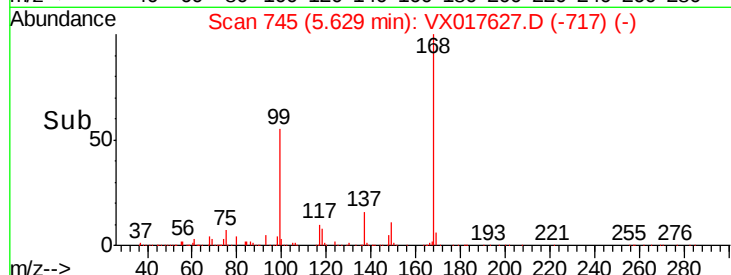
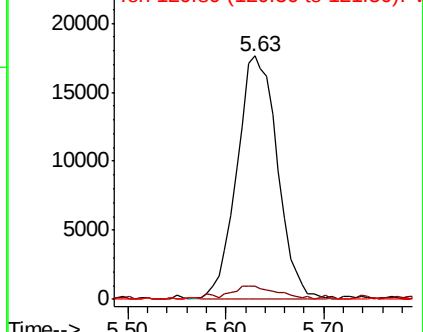
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 4.236 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

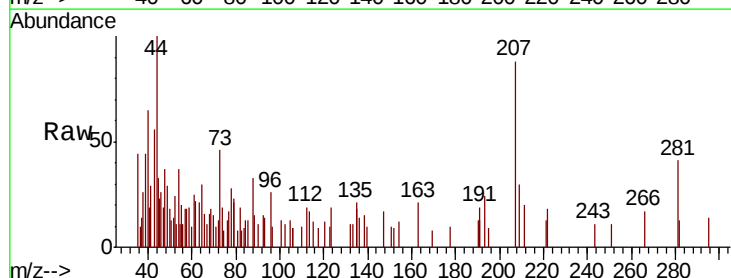
Tgt Ion: 88 Resp: 535

Ion Ratio Lower Upper

88 100

43 225.2 27.8 41.6#

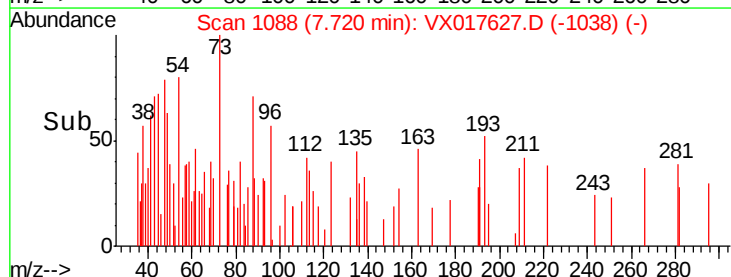
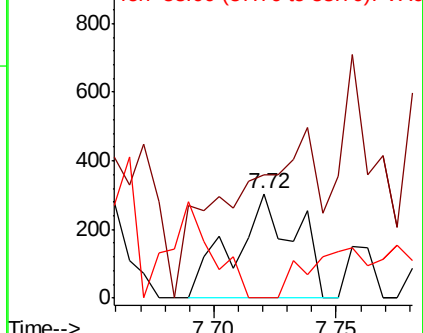
58 0.0 58.3 87.5#

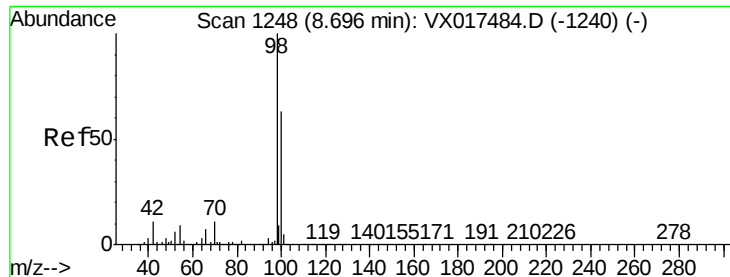


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 54.402 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

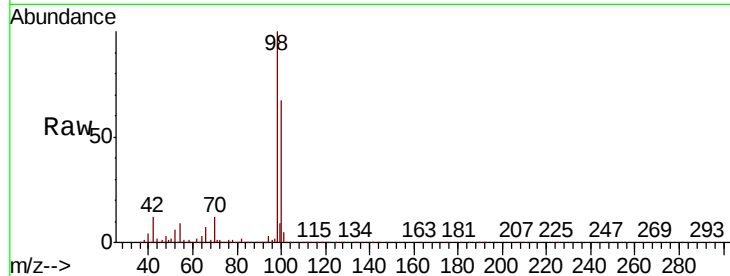
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 1007468

Ion Ratio Lower Upper

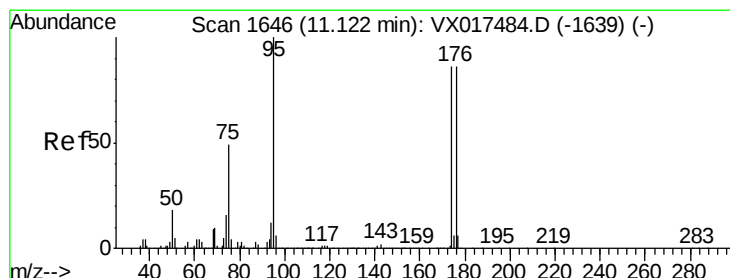
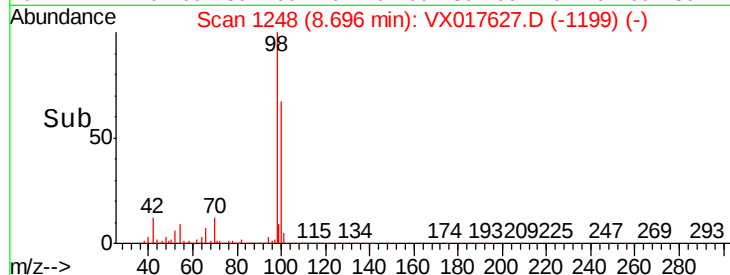
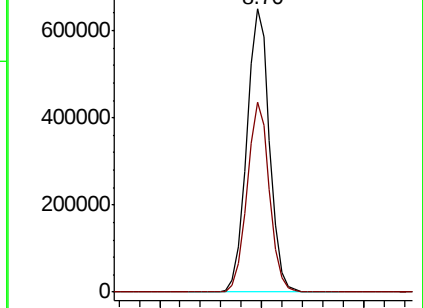
98 100

100 65.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 56.273 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

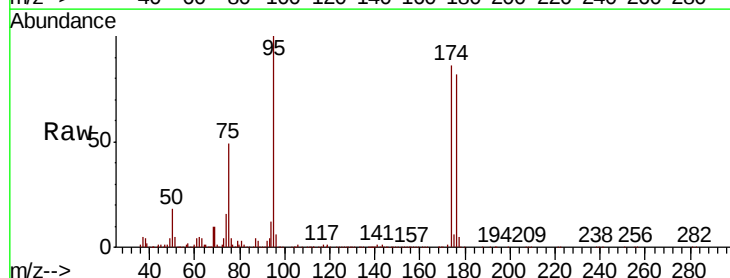
Tgt Ion: 95 Resp: 417057

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.0

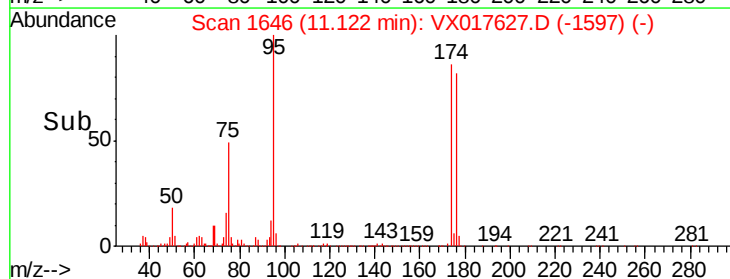
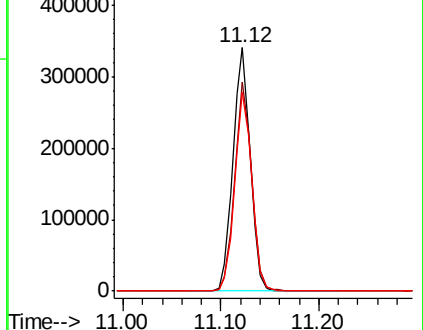
176 80.9 0.0 161.0

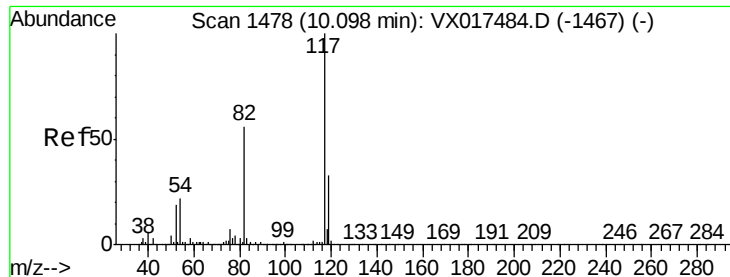


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

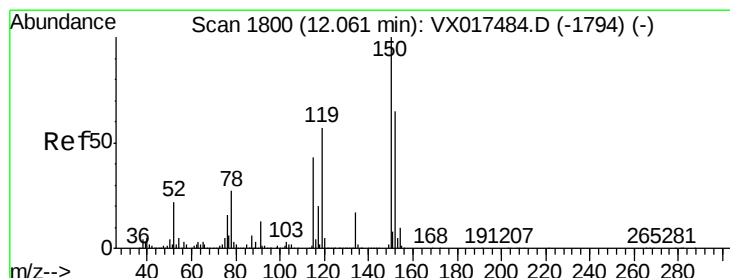
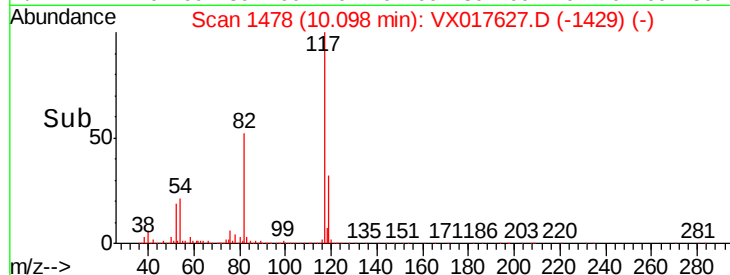
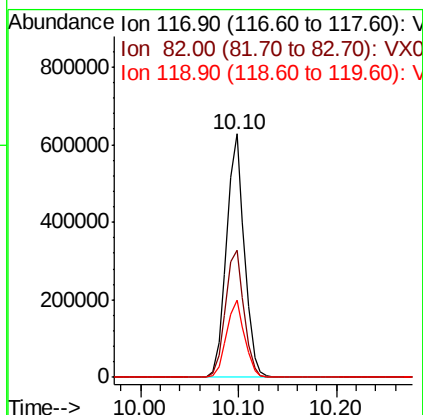
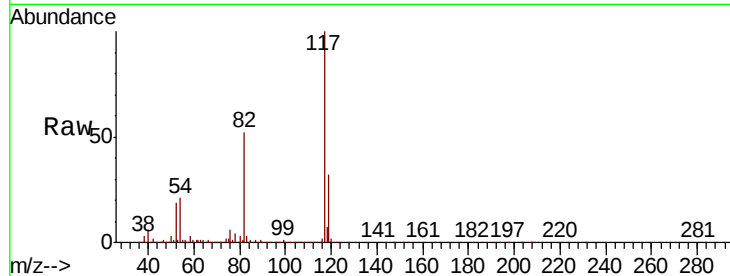




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

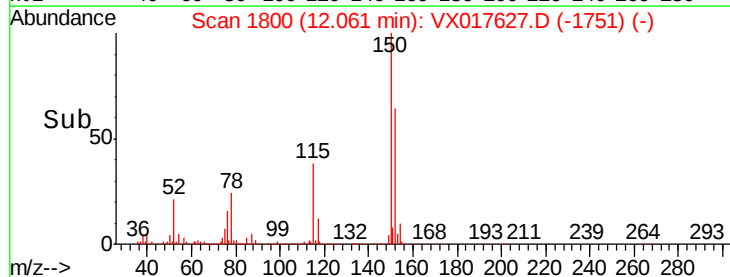
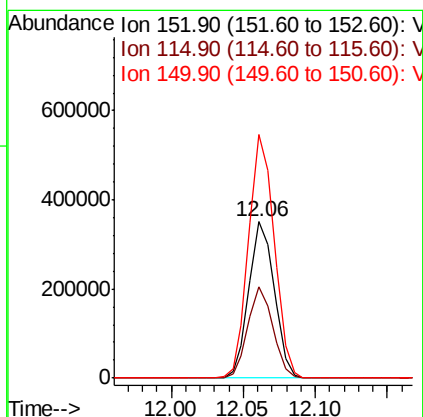
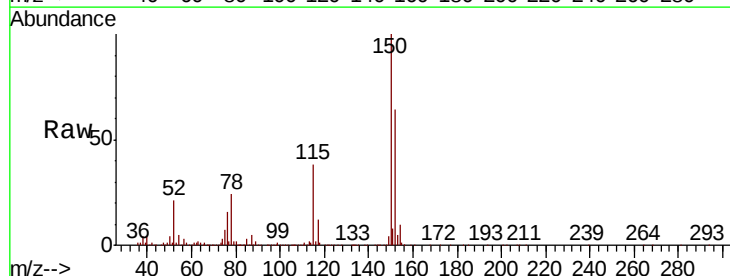
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

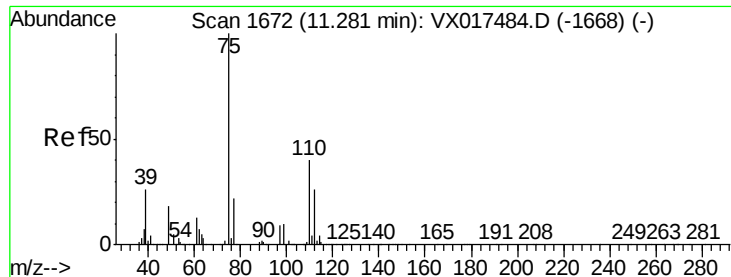
Tot Ion:117 Resp: 796809
Ion Ratio Lower Upper
117 100
82 52.3 44.0 66.0
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017627.D
Acq: 27 Jul 2020 19:18

Tgt Ion:152 Resp: 428843
Ion Ratio Lower Upper
152 100
115 57.5 65.5 196.6#
150 157.2 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.761 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

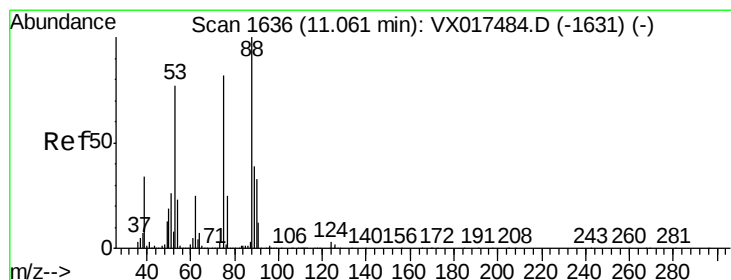
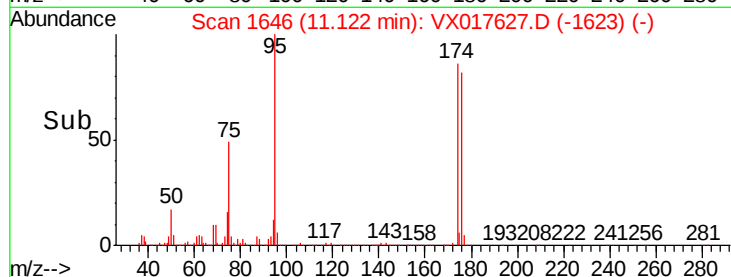
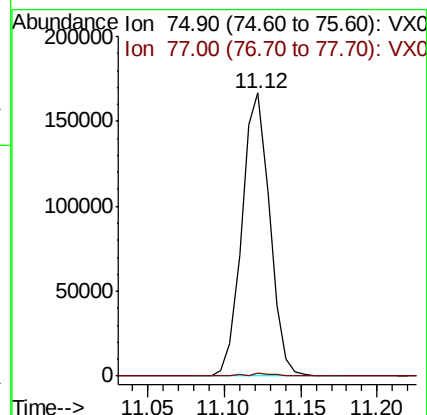
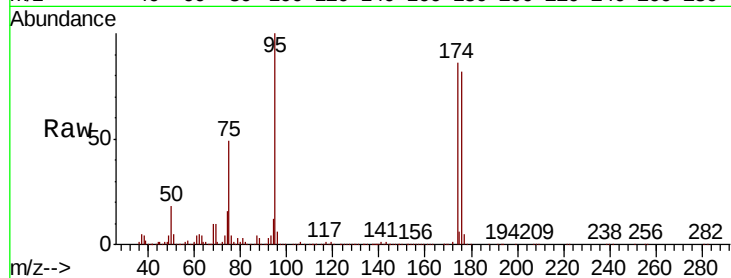
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 209605

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.872 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

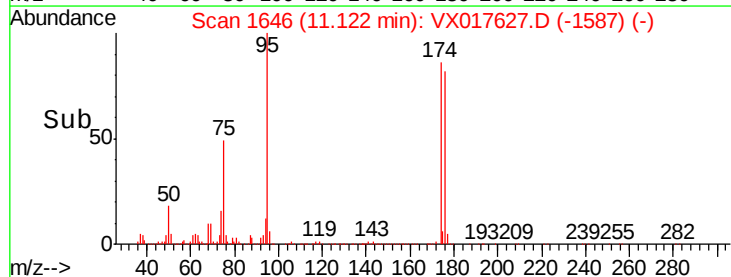
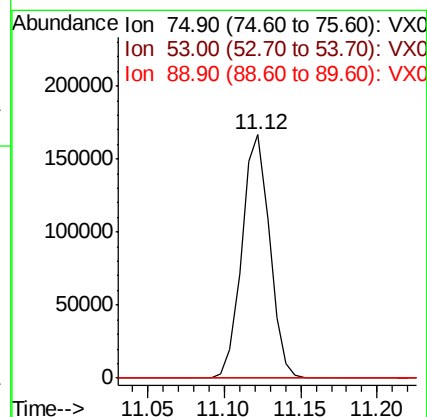
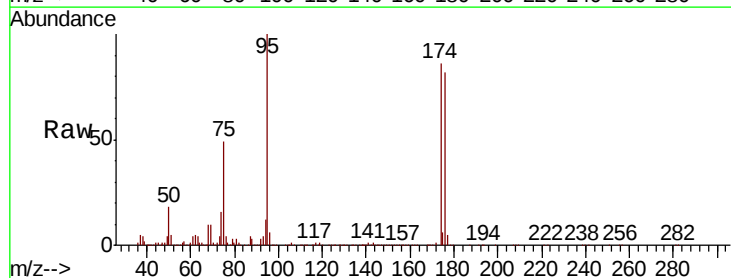
Tgt Ion: 75 Resp: 209605

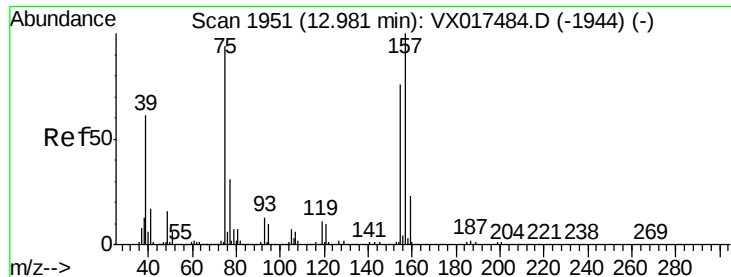
Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

89 0.1 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.679 ug/l

RT: 12.97 min Scan# 1949

Delta R.T. -0.01 min

Lab File: VX017627.D

Acq: 27 Jul 2020 19:18

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

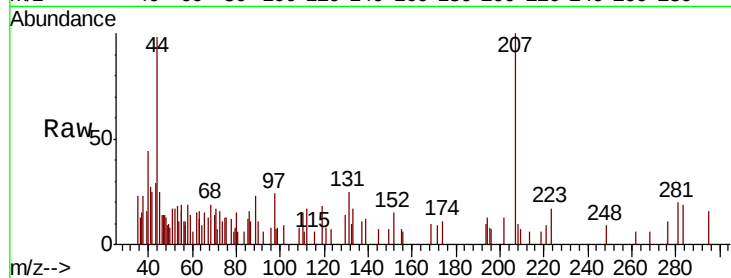
Tot Ion: 75 Resp: 281

Ion Ratio Lower Upper

75 100

155 8.2 42.3 126.8#

157 0.0 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

