

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018495.D
 Acq On : 18 Sep 2020 16:17
 Operator : JC/SP
 Sample : L4087-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Sep 19 01:57:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	576691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	923965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	878559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	446267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	382933	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
35) Dibromofluoromethane	5.46	113	304128	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	8.70	98	1109339	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.12	95	431559	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

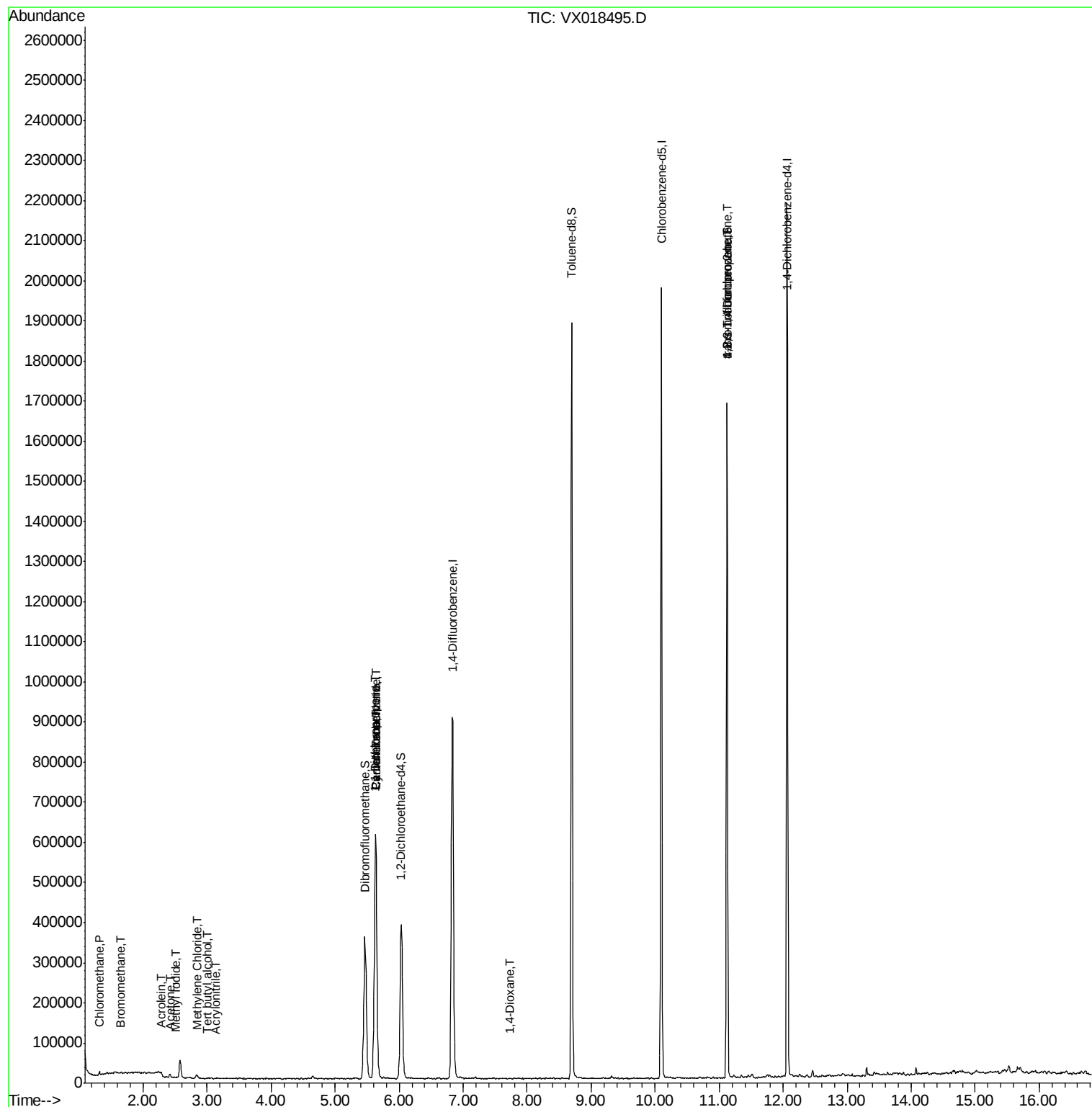
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4672	0.730	ug/l	94
5) Bromomethane	1.64	94	1270	0.305	ug/l #	69
10) Methyl Iodide	2.50	142	891	5.032	ug/l	90
11) Tert butyl alcohol	3.01	59	965	0.680	ug/l #	75
13) Acrolein	2.29	56	451	0.502	ug/l #	52
15) Acrylonitrile	3.12	53	767	0.226	ug/l #	27
16) Acetone	2.42	43	9606	3.079	ug/l	97
20) Methylene Chloride	2.83	84	5231	0.760	ug/l #	67
31) Cyclohexane	5.63	56	12199	1.236	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	43431	4.843	ug/l #	52
38) Carbon Tetrachloride	5.63	117	57634	5.803	ug/l #	19
49) 1,4-Dioxane	7.71	88	107	0.837	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	214790	22.904	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	214790	58.690	ug/l #	12

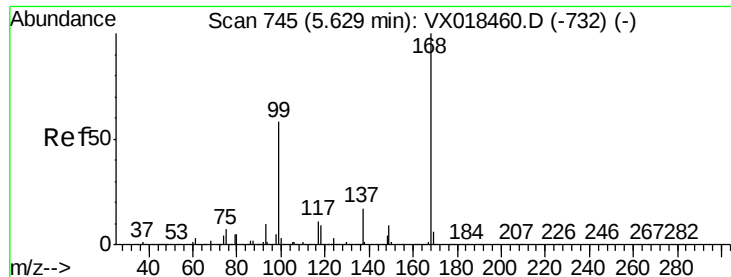
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091820\
Data File : VX018495.D
Acq On : 18 Sep 2020 16:17
Operator : JC/SP
Sample : L4087-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Sep 19 01:57:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

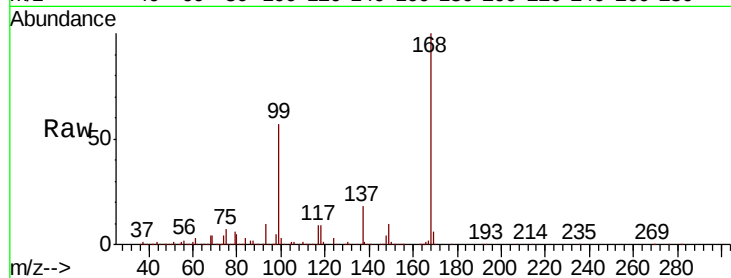
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 576691

Ion Ratio Lower Upper

168 100

99 56.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

100000

50000

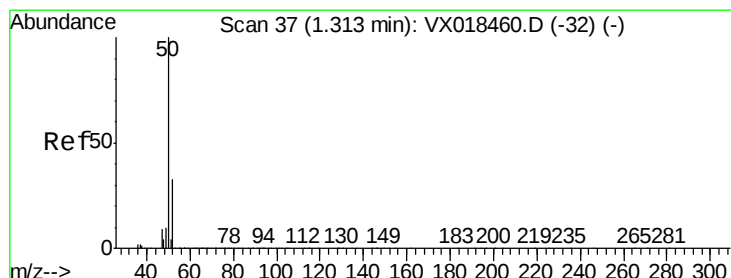
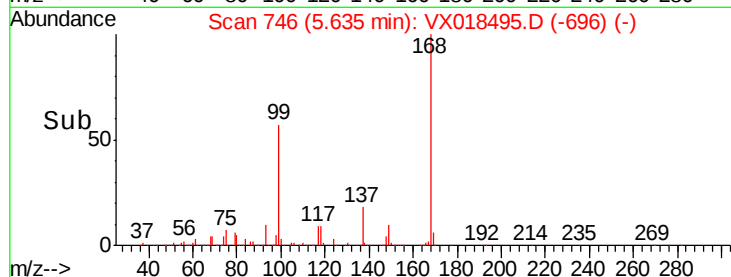
0

Time-->

5.50

5.60

5.70



#3

Chloromethane

Concen: 0.730 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018495.D

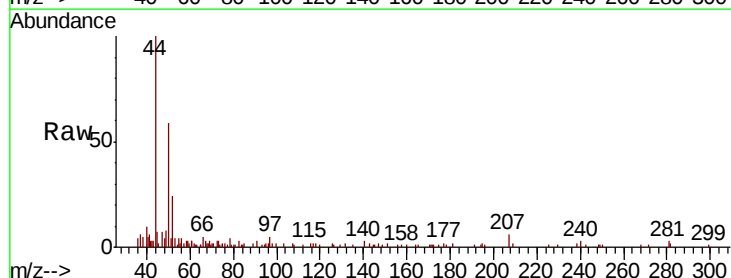
Acq: 18 Sep 2020 16:17

Tgt Ion: 50 Resp: 4672

Ion Ratio Lower Upper

50 100

52 36.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

4000

3000

2000

1000

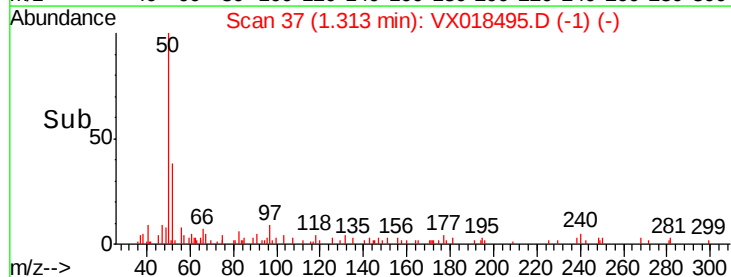
0

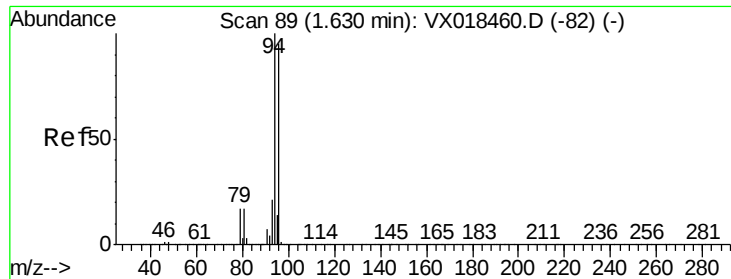
Time-->

1.25

1.30

1.35





#5

Bromomethane

Concen: 0.305 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

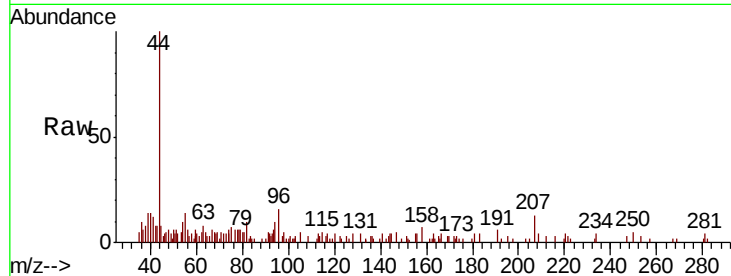
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 1270

Ion Ratio Lower Upper

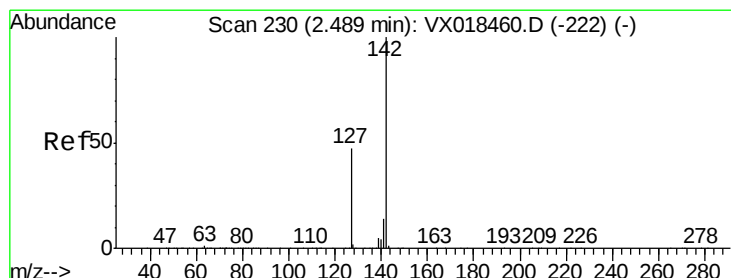
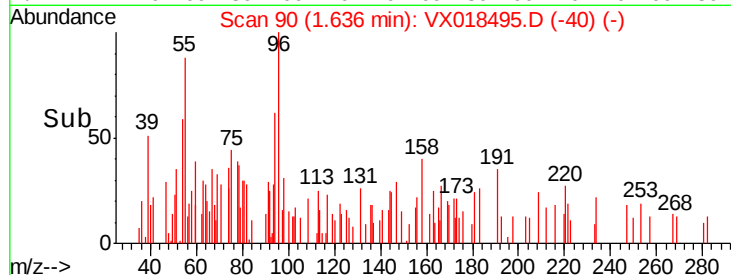
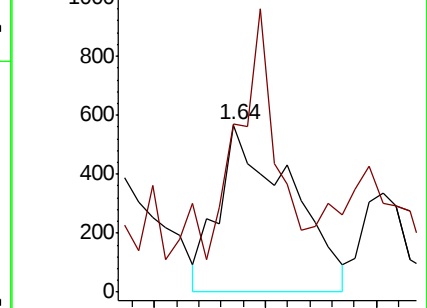
94 100

96 64.8 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.032 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

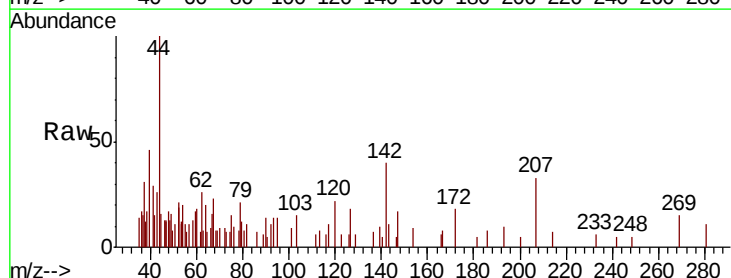
Tgt Ion: 142 Resp: 891

Ion Ratio Lower Upper

142 100

127 52.7 36.0 54.0

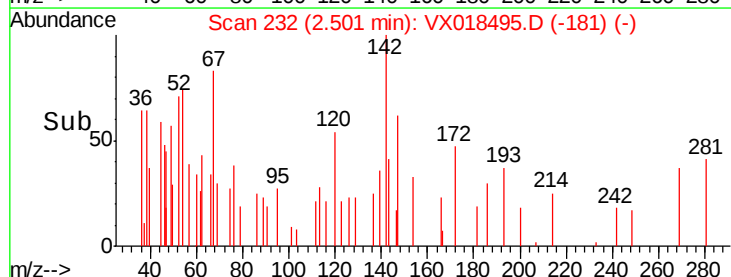
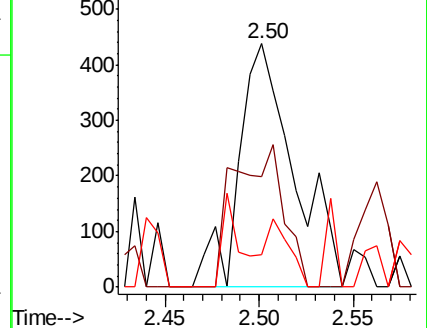
141 13.1 11.9 17.9

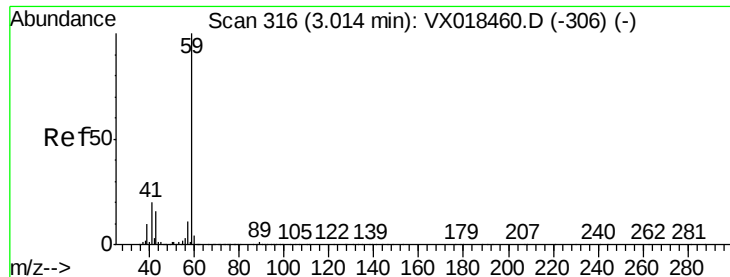


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



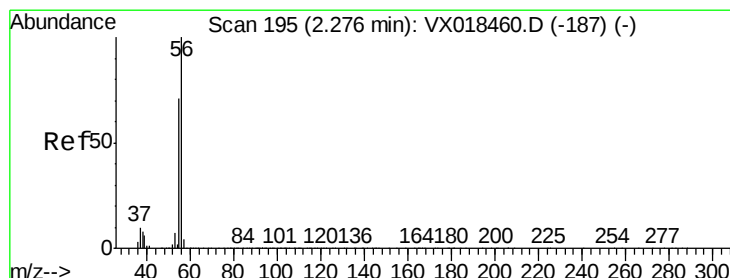
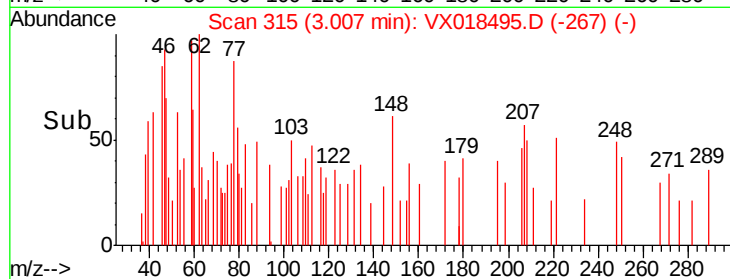
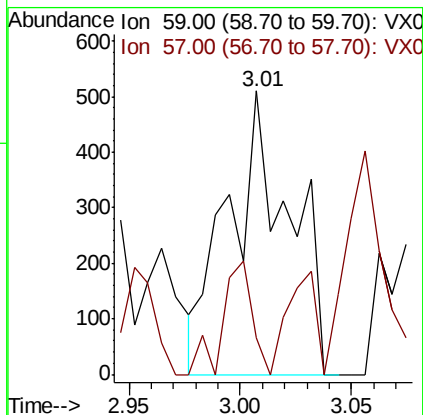
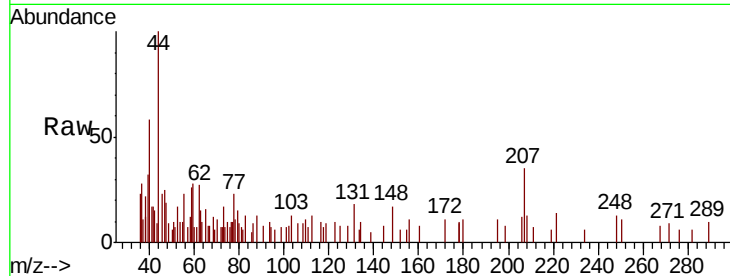


#11

Tert butyl alcohol
Concen: 0.680 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018495.D
Acq: 18 Sep 2020 16:17

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

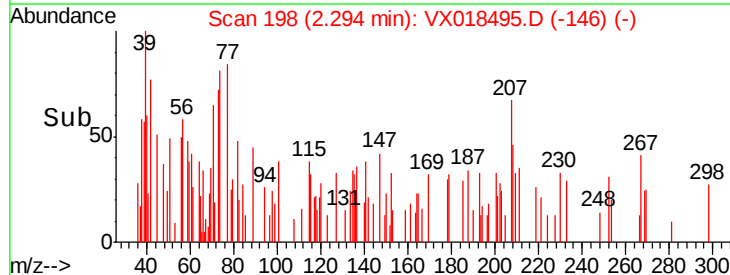
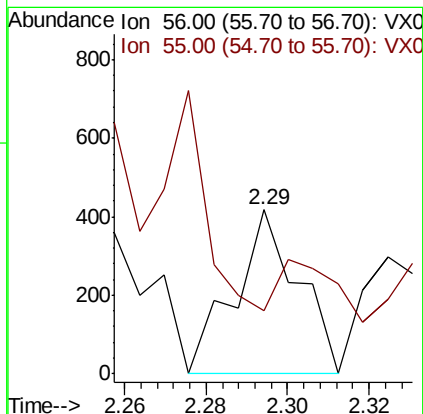
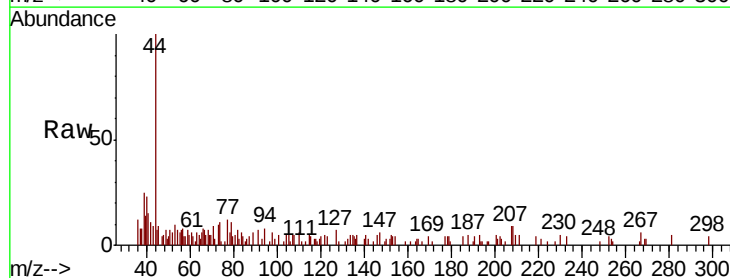
Tot Ion: 59 Resp: 965
Ion Ratio Lower Upper
59 100
57 19.5 8.2 12.4#

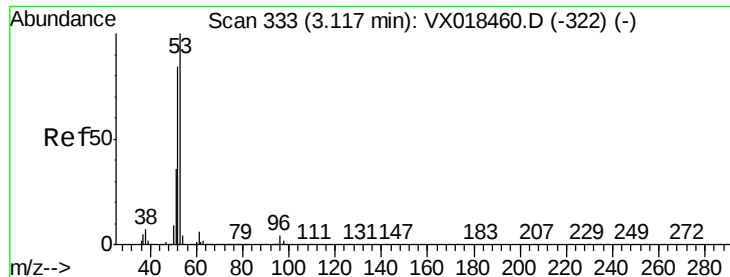


#13

Acrolein
Concen: 0.502 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX018495.D
Acq: 18 Sep 2020 16:17

Tgt Ion: 56 Resp: 451
Ion Ratio Lower Upper
56 100
55 32.4 58.2 87.4#





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

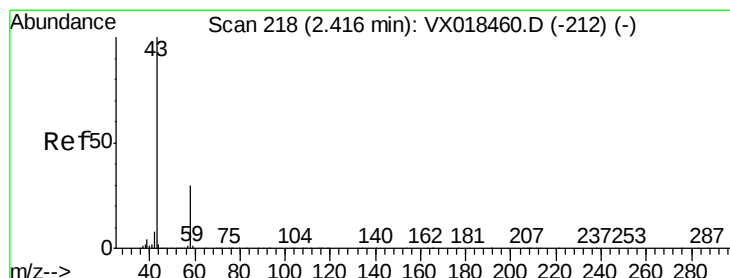
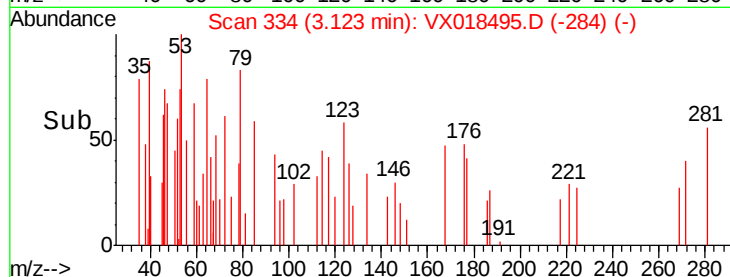
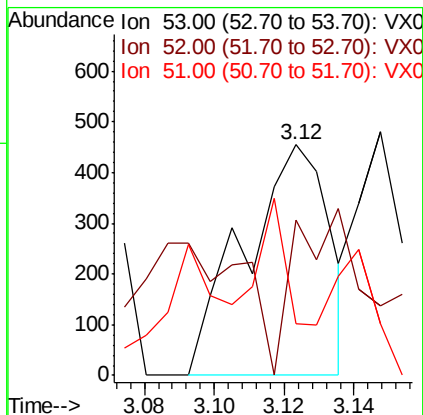
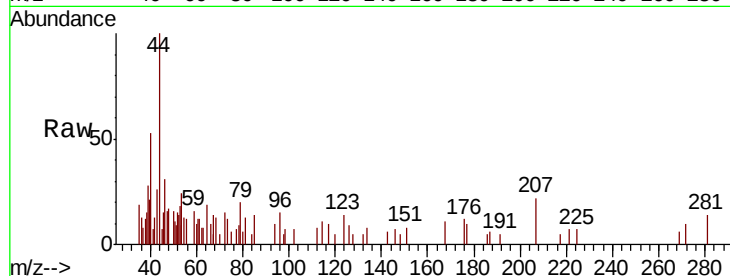
Tot Ion: 53 Resp: 767

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.8#

51 18.5 29.2 43.8#



#16

Acetone

Concen: 3.079 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018495.D

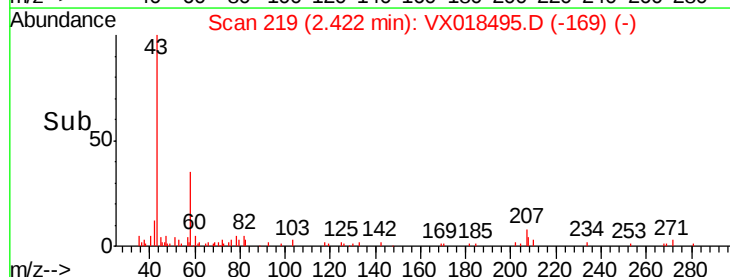
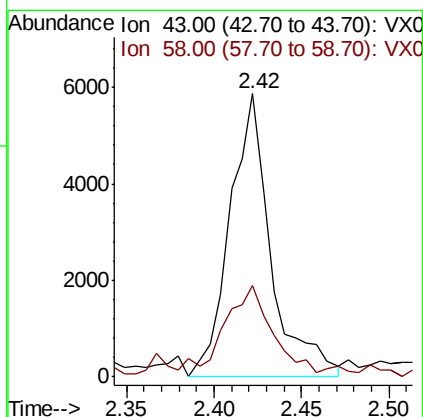
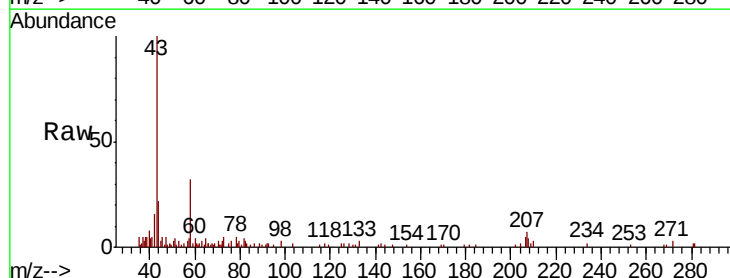
Acq: 18 Sep 2020 16:17

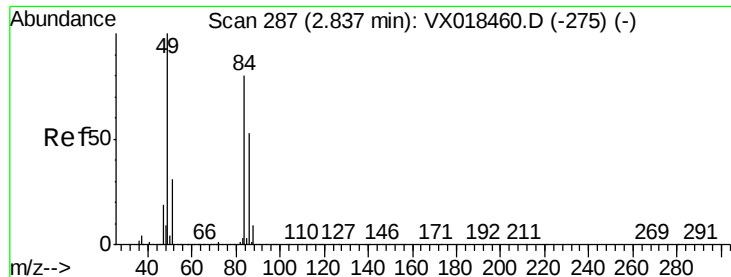
Tgt Ion: 43 Resp: 9606

Ion Ratio Lower Upper

43 100

58 28.5 24.0 36.0

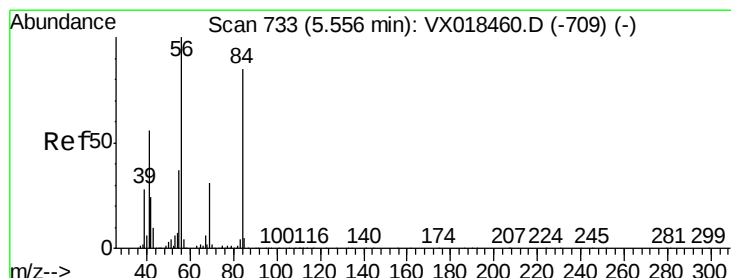
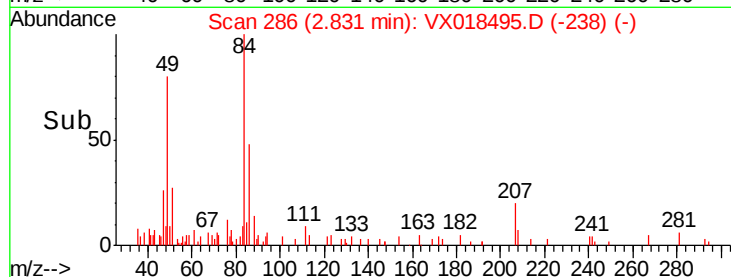
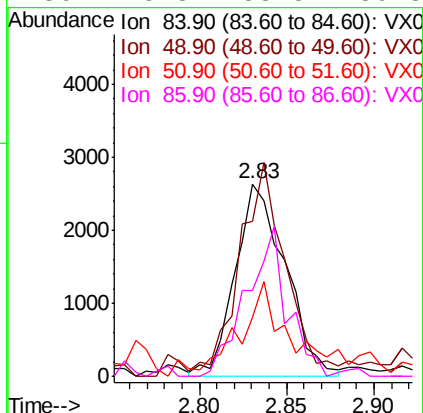
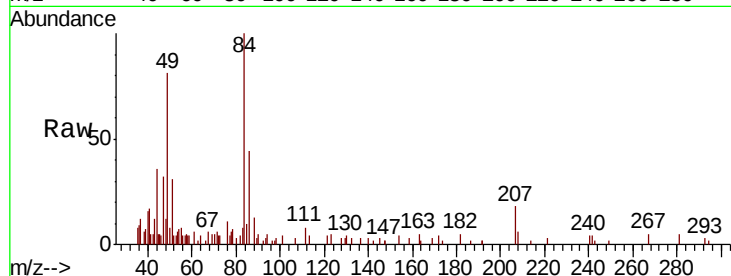




#20
Methvlene Chloride
Concen: 0.760 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018495.D
Acq: 18 Sep 2020 16:17

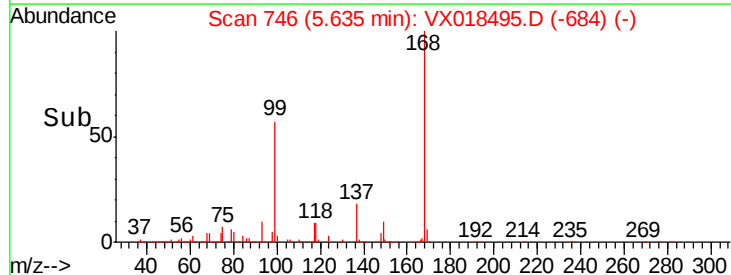
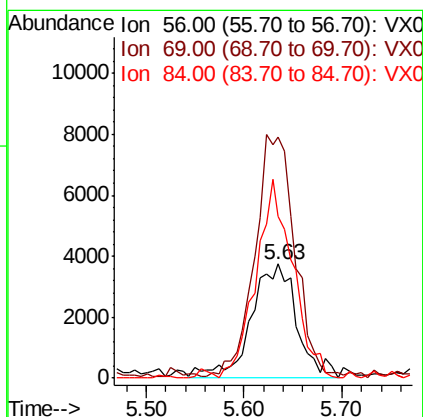
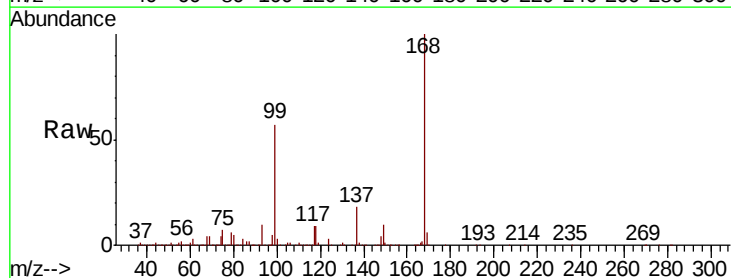
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

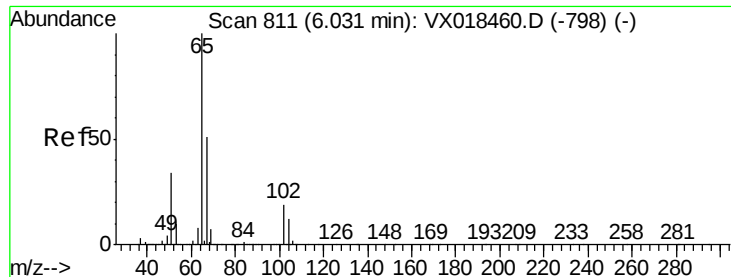
Tot Ion:	84	Resp:	5231
Ion	Ratio	Lower	Upper
84	100		
49	79.6	100.6	151.0#
51	27.2	30.9	46.3#
86	45.3	53.5	80.3#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX018495.D
Acq: 18 Sep 2020 16:17

Tgt Ion:	56	Resp:	12199
Ion	Ratio	Lower	Upper
56	100		
69	208.3	24.8	37.2#
84	142.2	67.6	101.4#





#33

1,2-Dichloroethane-d4

Concen: 46.939 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

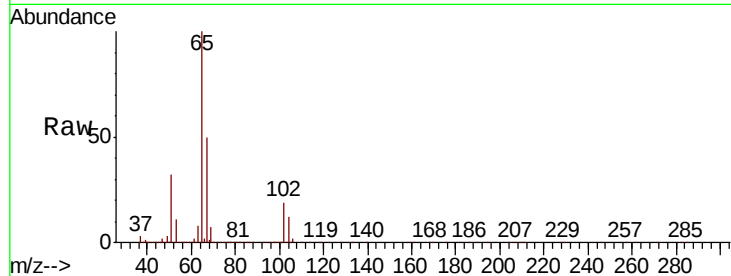
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 382933

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

150000

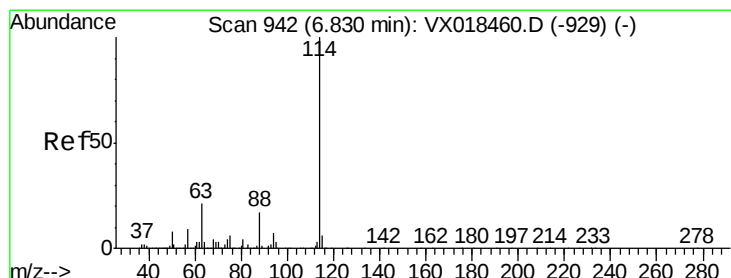
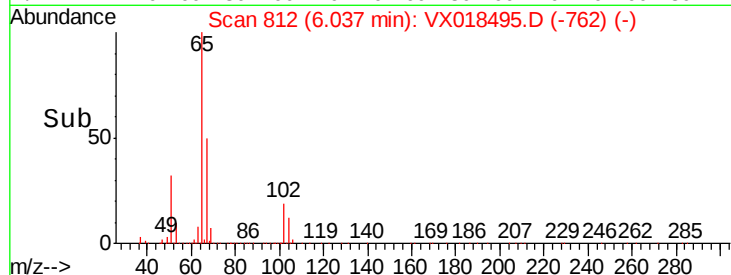
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

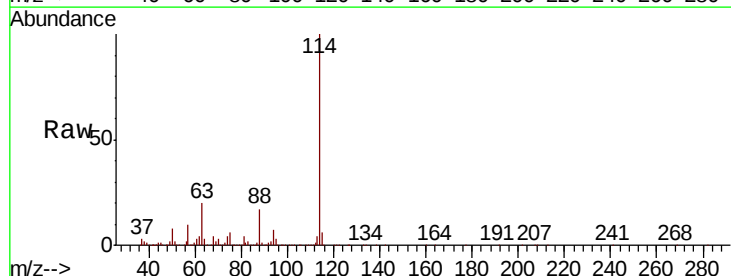
Tgt Ion: 114 Resp: 923965

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

88 16.7 0.0 33.6



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

500000

400000

300000

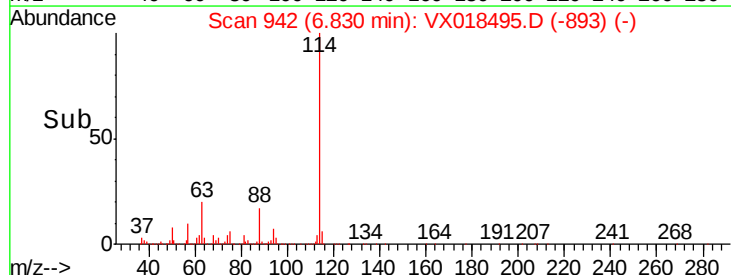
200000

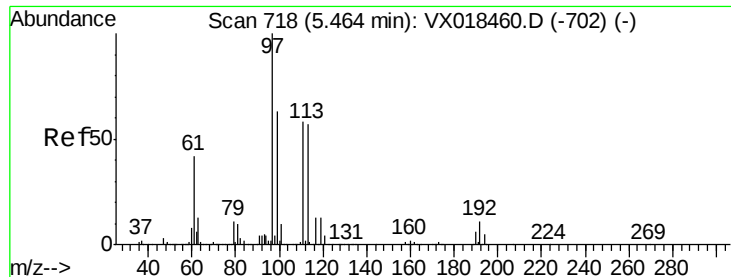
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.613 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

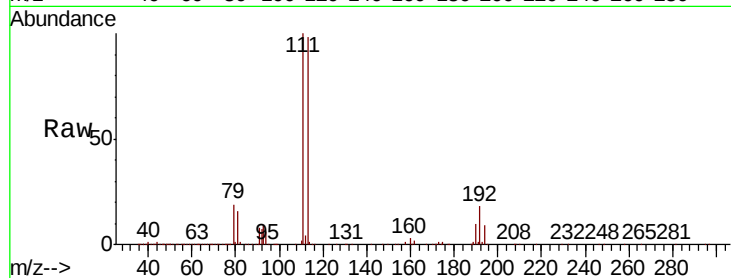
Tot Ion:113 Resp: 304128

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

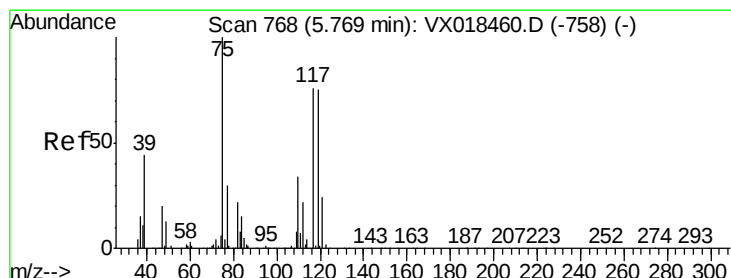
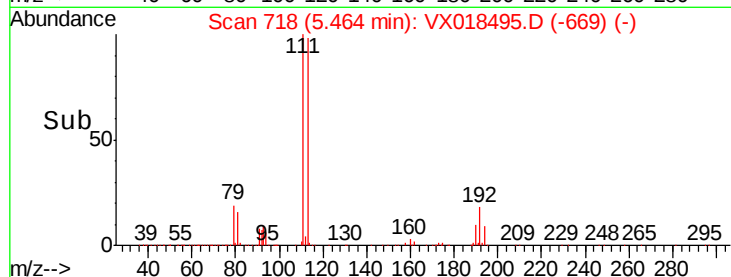
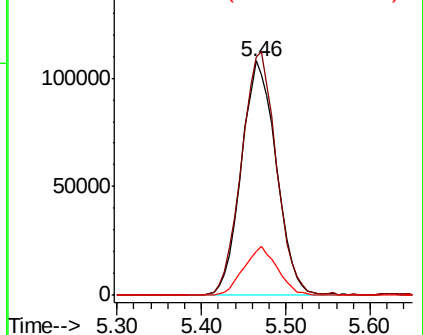
192 20.3 16.6 24.8



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: 4.843 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

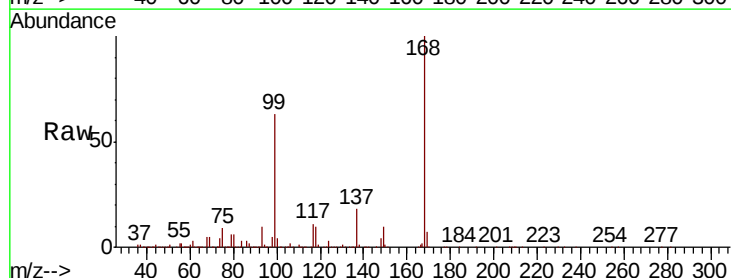
Tgt Ion: 75 Resp: 43431

Ion Ratio Lower Upper

75 100

110 10.9 17.6 52.8#

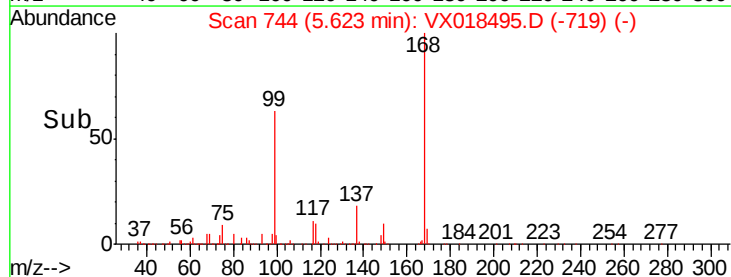
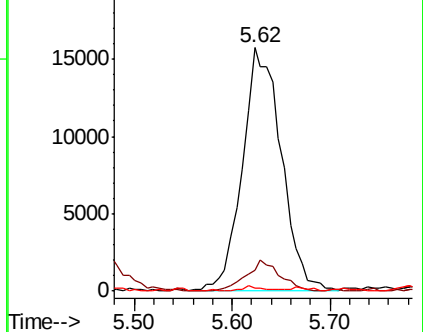
77 1.0 25.0 37.6#

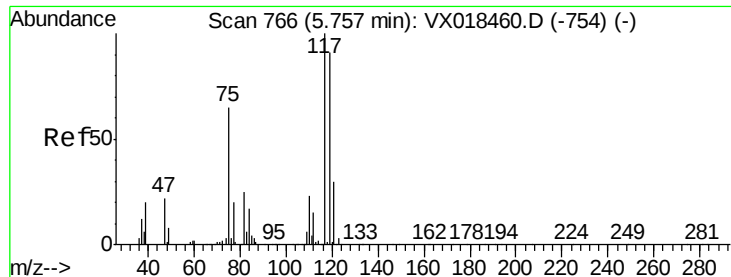


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.803 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

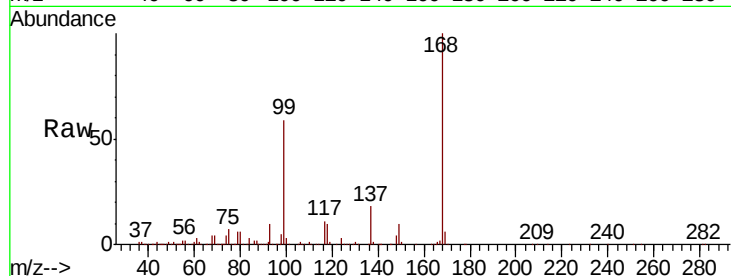
Tot Ion:117 Resp: 57634

Ion Ratio Lower Upper

117 100

119 5.8 72.3 108.5#

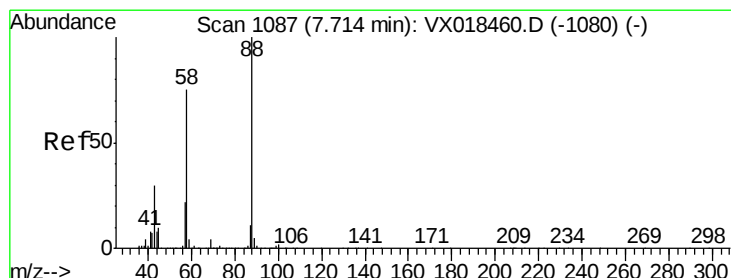
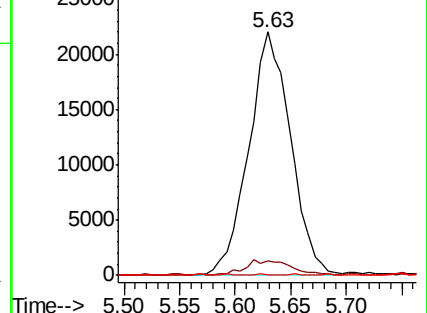
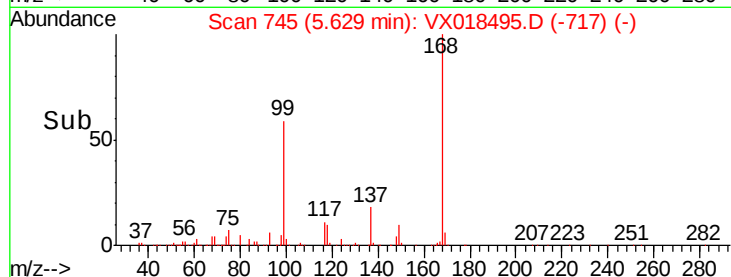
121 0.0 23.8 35.8#



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: 0.837 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

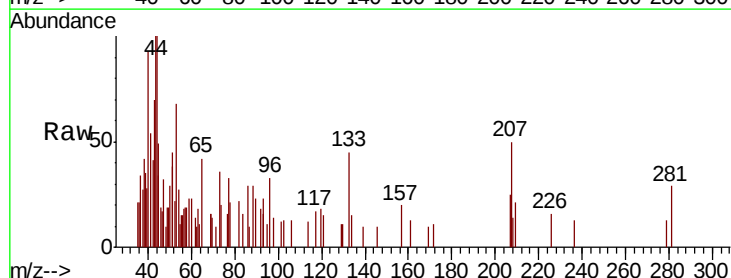
Tgt Ion: 88 Resp: 107

Ion Ratio Lower Upper

88 100

43 339.3 29.9 44.9#

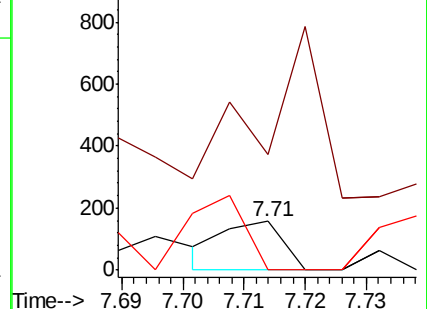
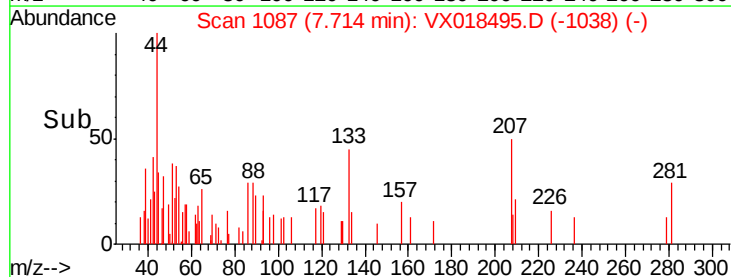
58 143.9 59.0 88.6#

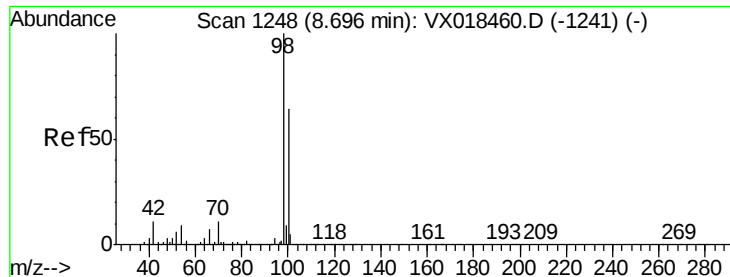


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.800 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

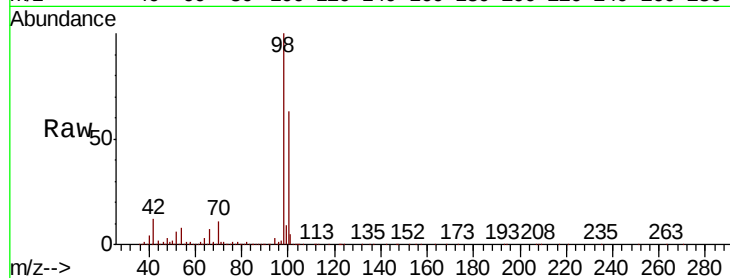
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 1109339

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

800000

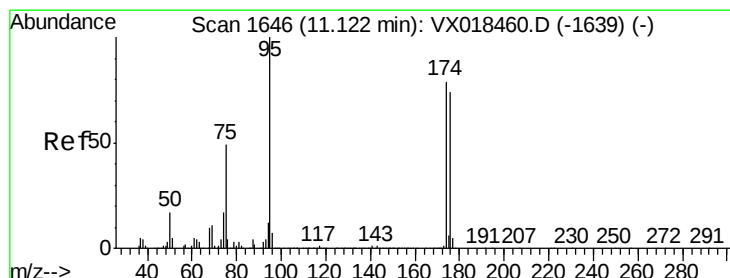
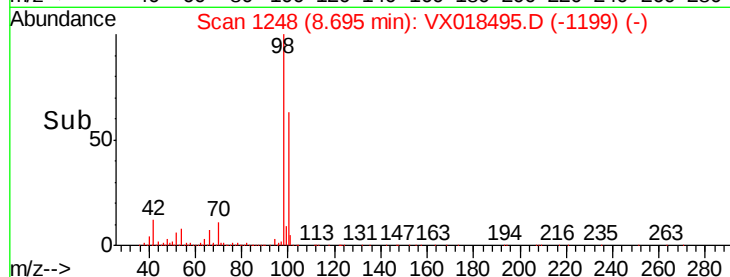
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.748 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

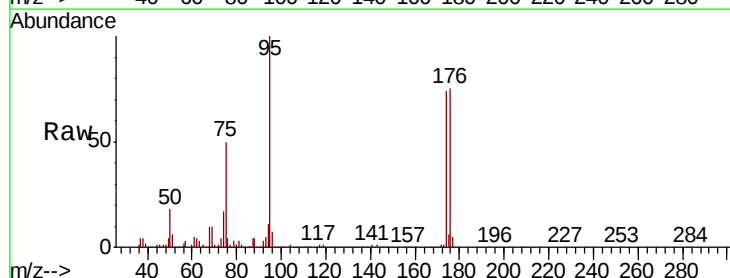
Tgt Ion: 95 Resp: 431559

Ion Ratio Lower Upper

95 100

174 77.1 0.0 161.4

176 74.7 0.0 151.4



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

11.12

400000

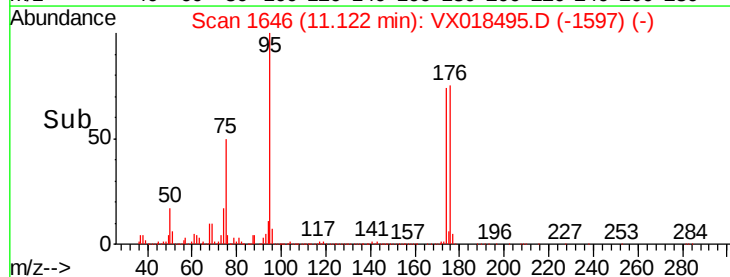
300000

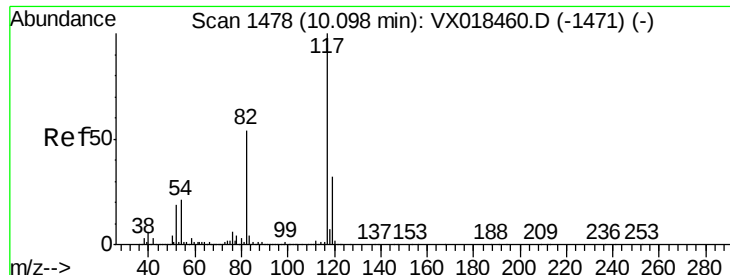
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

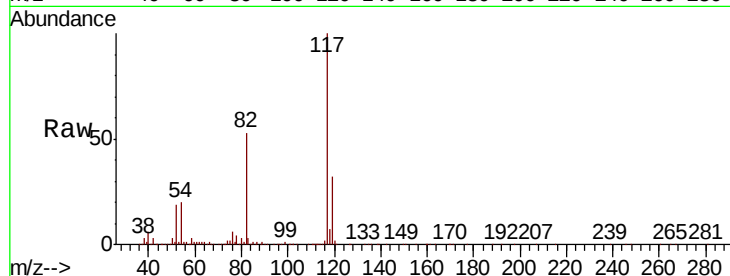
Tot Ion:117 Resp: 878559

Ion Ratio Lower Upper

117 100

82 53.4 43.3 64.9

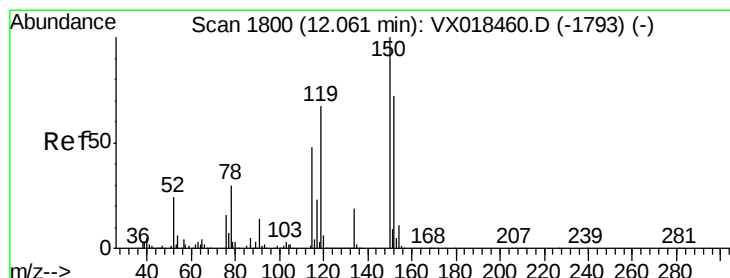
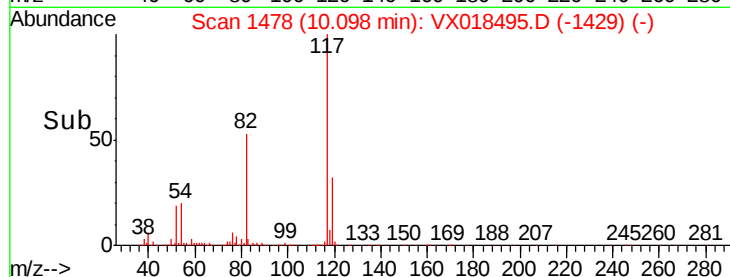
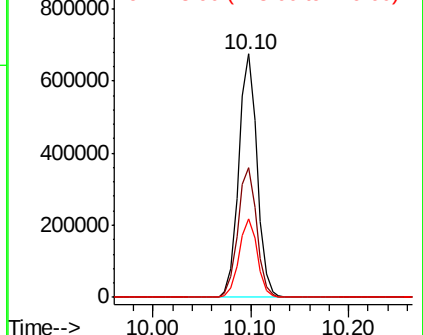
119 32.4 25.9 38.9



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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

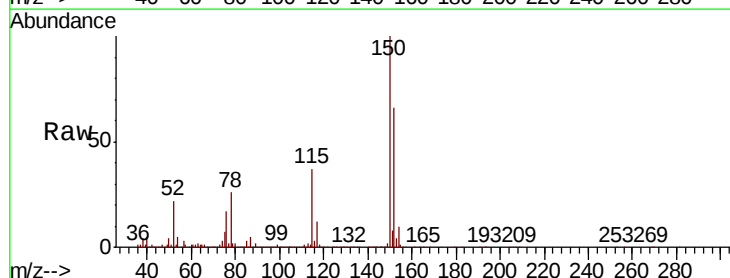
Tgt Ion:152 Resp: 446267

Ion Ratio Lower Upper

152 100

115 57.5 41.8 125.4

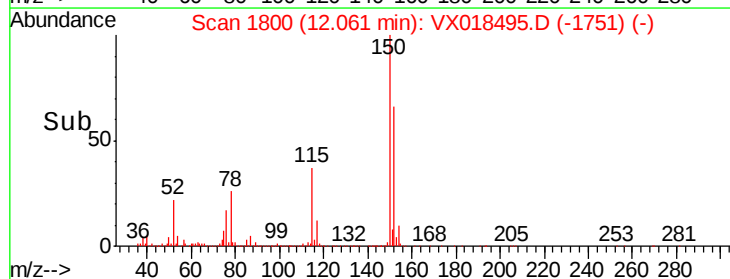
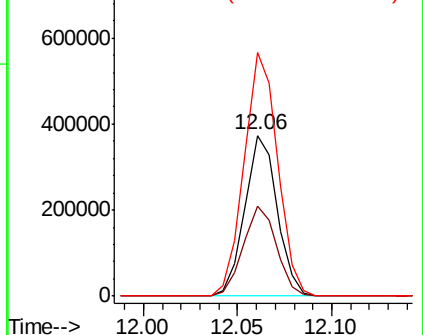
150 157.1 0.0 342.4

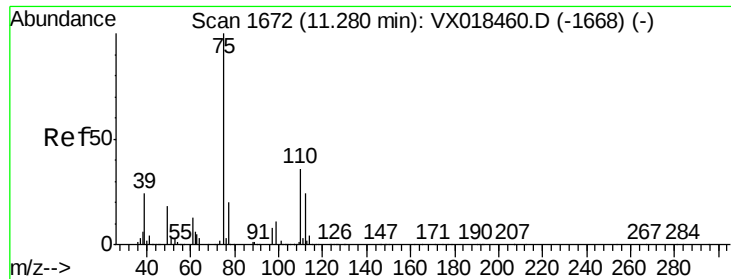


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.904 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

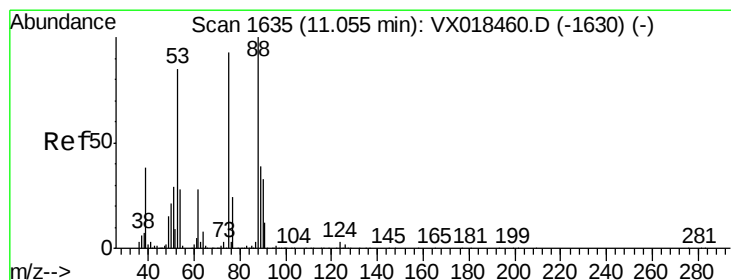
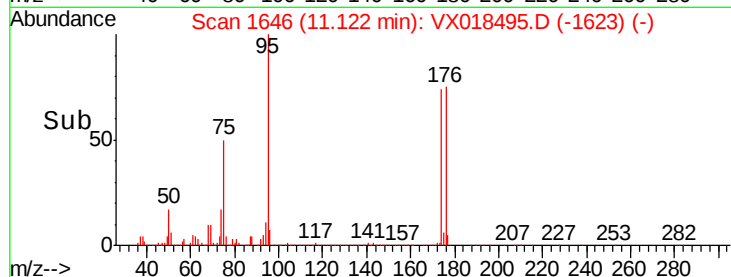
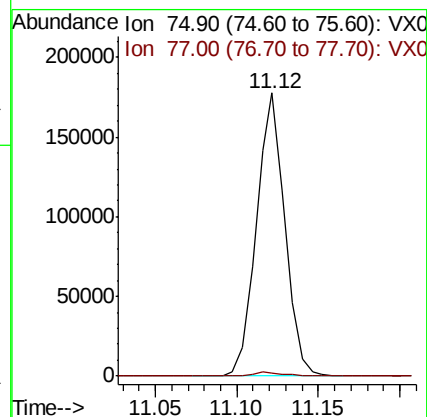
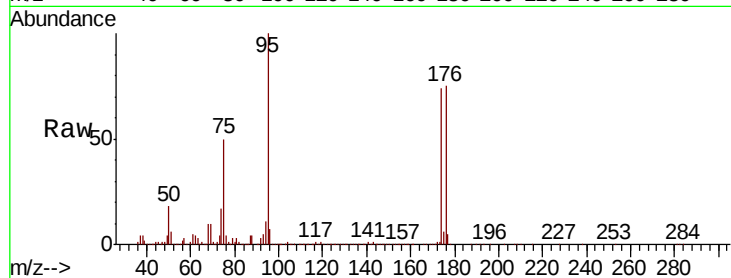
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 214790

Ion Ratio Lower Upper

75 100

77 1.5 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.690 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018495.D

Acq: 18 Sep 2020 16:17

Tgt Ion: 75 Resp: 214790

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.0 36.2 54.4#

