

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016486.D
 Acq On : 28 May 2020 15:32
 Operator : JC/SP
 Sample : L2782-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOURCE-WATER

Quant Time: May 29 03:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	286772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	467526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222654	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	170835	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
35) Dibromofluoromethane	5.46	113	135537	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	8.70	98	574516	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.12	95	225734	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	

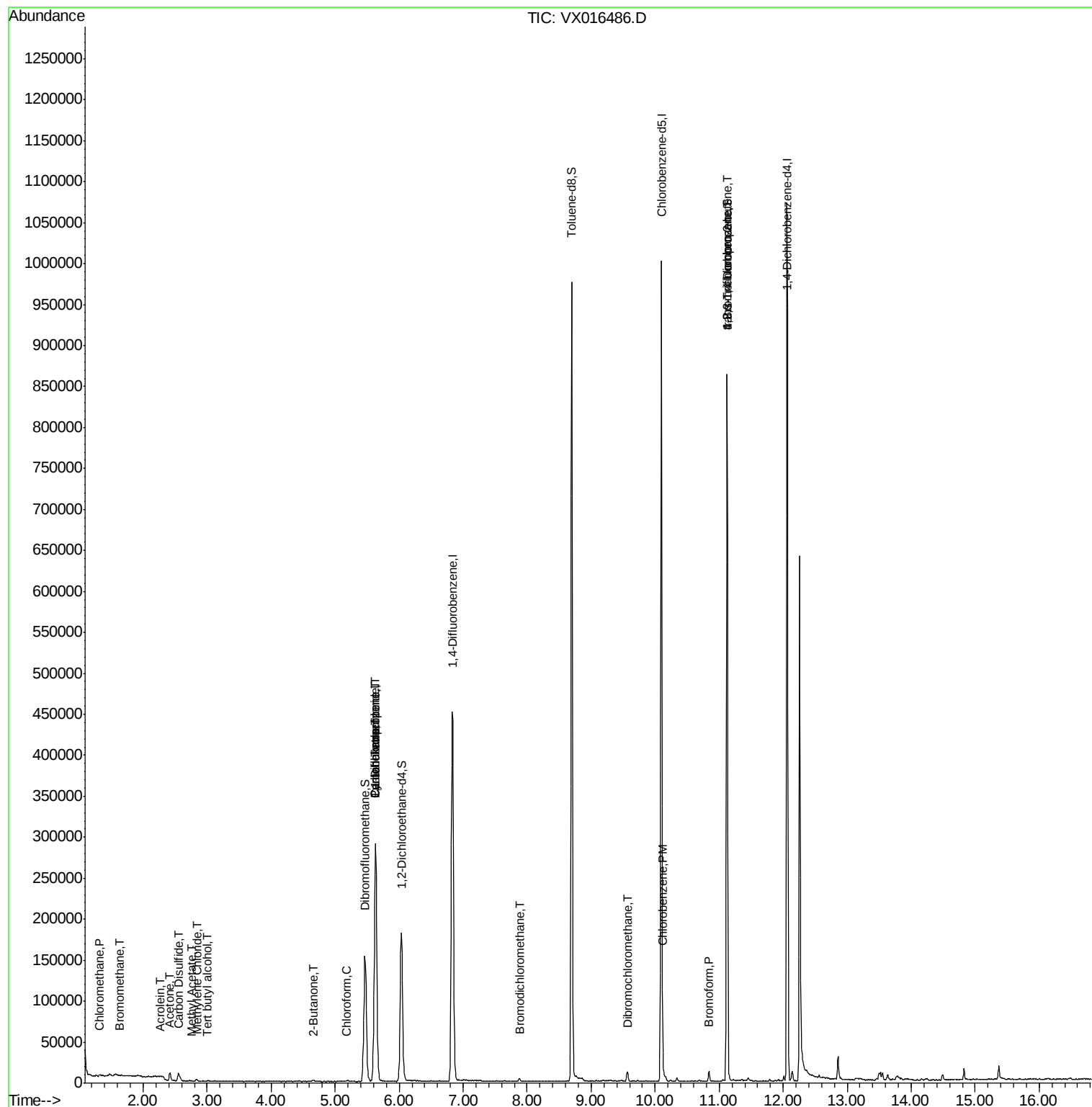
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1021	0.299	ug/l	90
5) Bromomethane	1.64	94	489	0.279	ug/l #	39
11) Tert butyl alcohol	3.00	59	1244	1.362	ug/l #	77
13) Acrolein	2.26	56	348	0.896	ug/l #	76
16) Acetone	2.42	43	9925	6.361	ug/l	96
17) Carbon Disulfide	2.55	76	11564	1.411	ug/l #	91
18) Methyl Acetate	2.76	43	842	0.210	ug/l #	70
20) Methylene Chloride	2.84	84	1232	0.382	ug/l	92
25) 2-Butanone	4.65	43	1745	0.660	ug/l #	89
30) Chloroform	5.18	83	1249	0.225	ug/l	86
31) Cyclohexane	5.64	56	5538	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20682	4.672	ug/l #	50
38) Carbon Tetrachloride	5.64	117	27240	5.856	ug/l #	16
47) Bromodichloromethane	7.88	83	2388	0.512	ug/l #	95
60) Dibromochloromethane	9.57	129	4500	1.210	ug/l	100
65) Chlorobenzene	10.12	112	2367	0.255	ug/l	94
71) Bromoform	10.84	173	4757	1.586	ug/l #	96
76) 1,2,3-Trichloropropane	11.12	75	110771	22.634	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110771	55.676	ug/l #	14

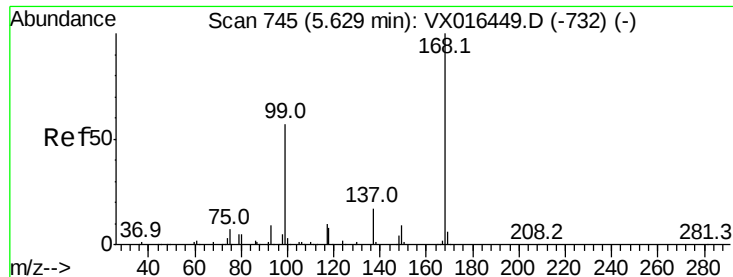
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 29 03:39:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

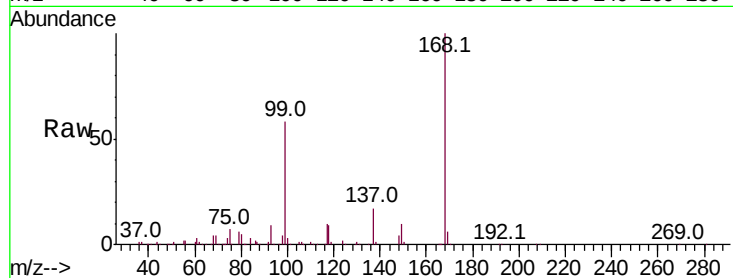
SOURCE-WATER

Tot Ion:168 Resp: 286772

Ion Ratio Lower Upper

168 100

99 57.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

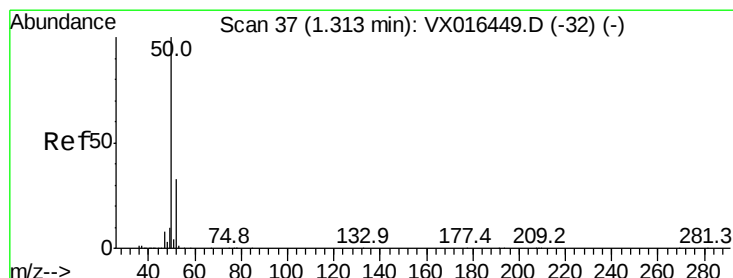
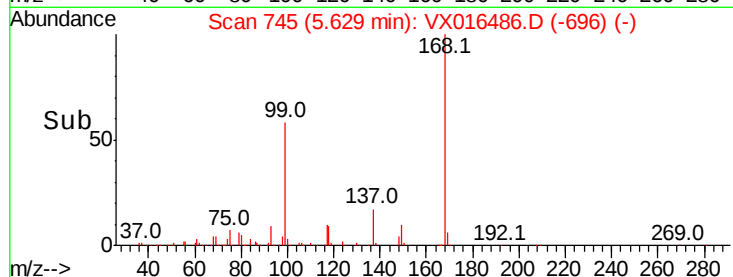
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.299 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016486.D

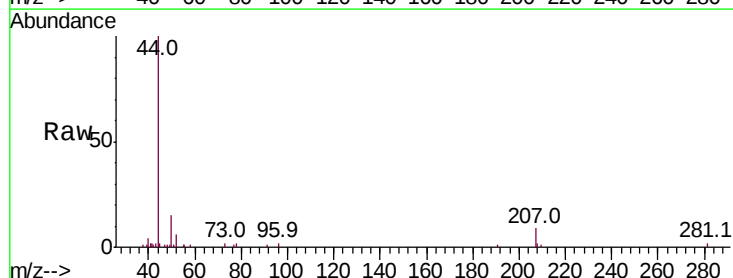
Acq: 28 May 2020 15:32

Tgt Ion: 50 Resp: 1021

Ion Ratio Lower Upper

50 100

52 38.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

600

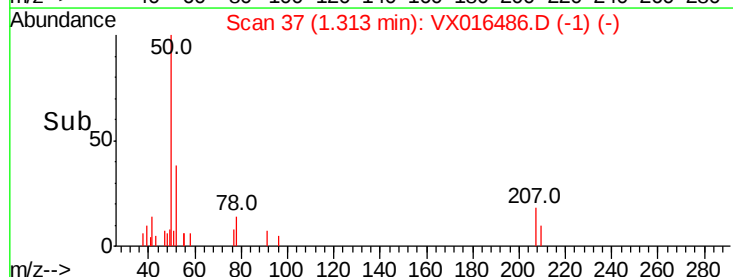
400

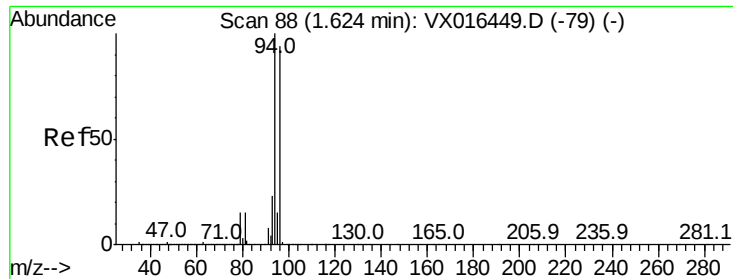
200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

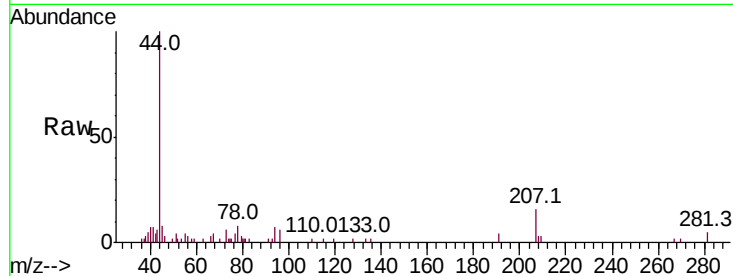
SOURCE-WATER

Tot Ion: 94 Resp: 489

Ion Ratio Lower Upper

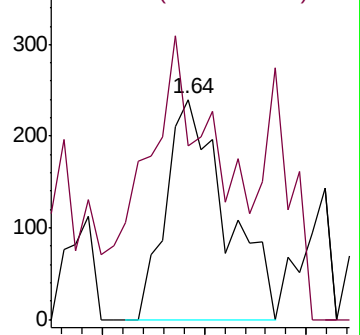
94 100

96 35.0 75.1 112.7#

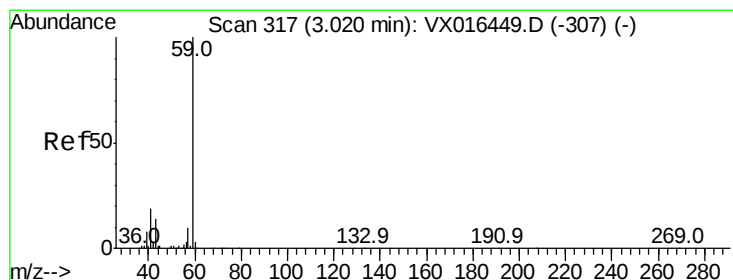
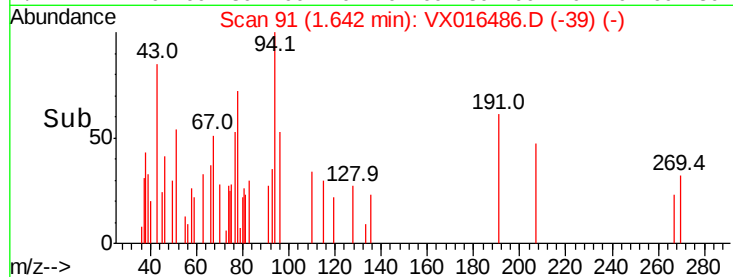


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 1.362 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016486.D

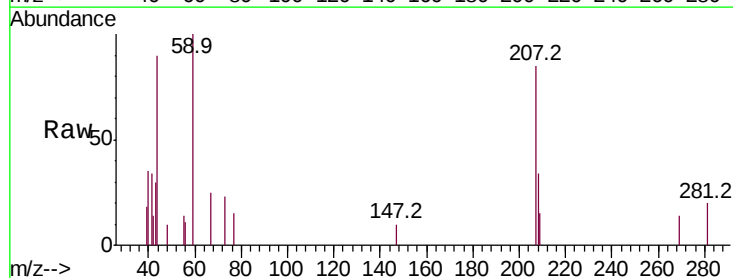
Acq: 28 May 2020 15:32

Tgt Ion: 59 Resp: 1244

Ion Ratio Lower Upper

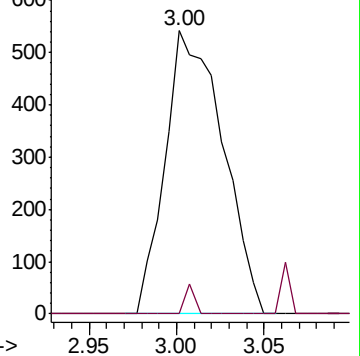
59 100

57 1.7 8.2 12.4#

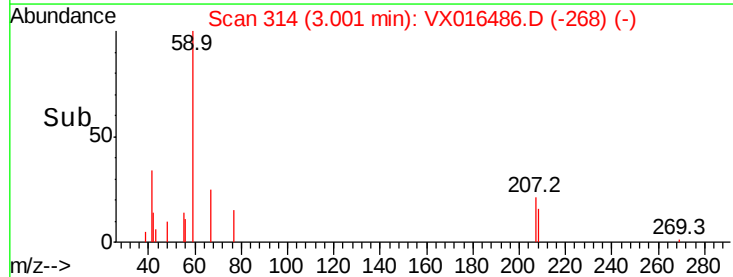


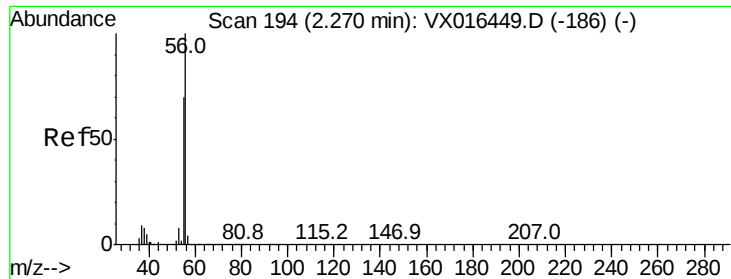
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->





#13

Acrolein

Concen: 0.896 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

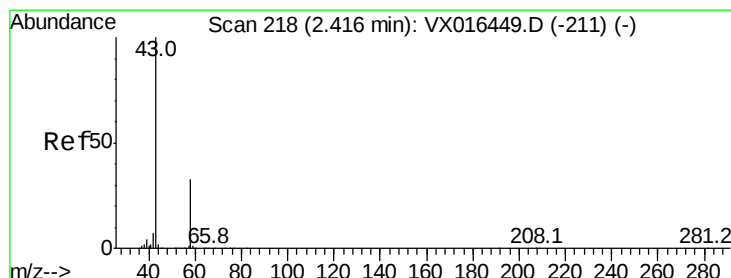
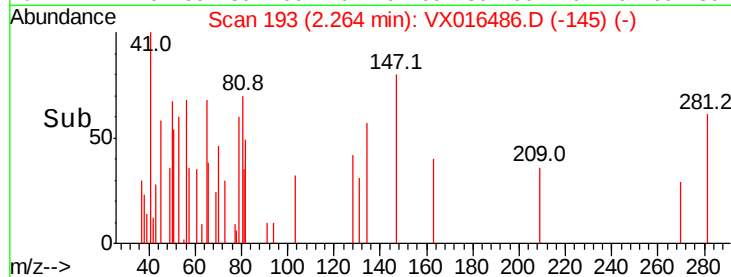
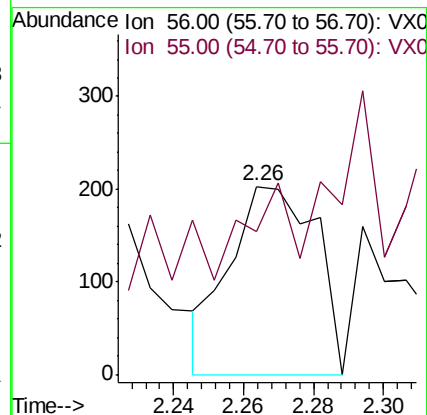
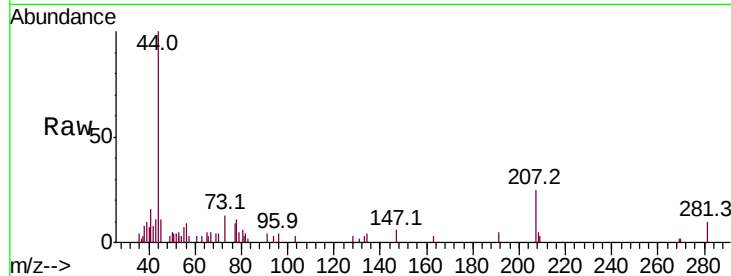
SOURCE-WATER

Tot Ion: 56 Resp: 348

Ion Ratio Lower Upper

56 100

55 53.2 58.3 87.5#



#16

Acetone

Concen: 6.361 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016486.D

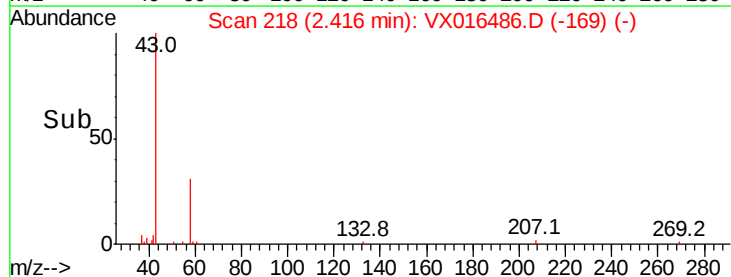
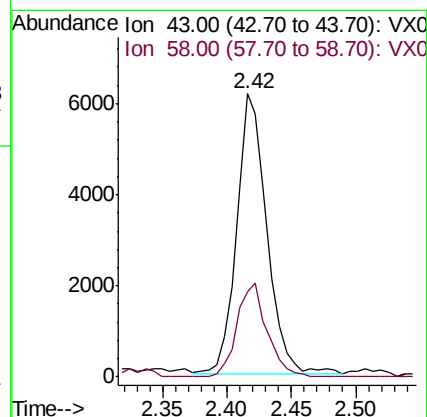
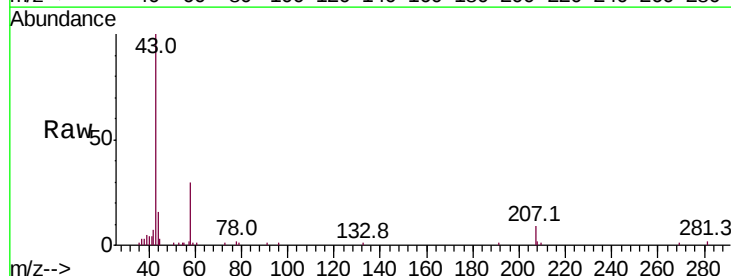
Acq: 28 May 2020 15:32

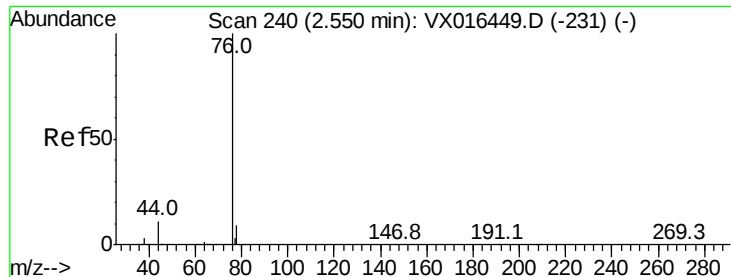
Tgt Ion: 43 Resp: 9925

Ion Ratio Lower Upper

43 100

58 30.3 26.1 39.1





#17

Carbon Disulfide

Concen: 1.411 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

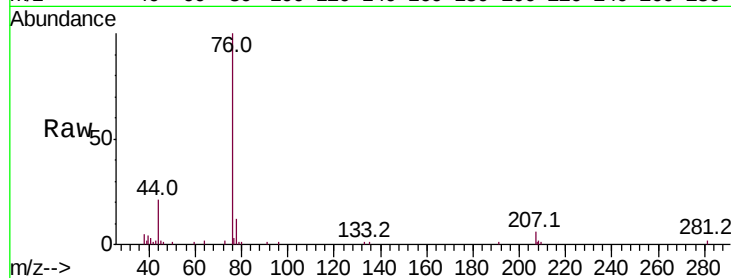
SOURCE-WATER

Tot Ion: 76 Resp: 11564

Ion Ratio Lower Upper

76 100

78 12.3 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

8000

6000

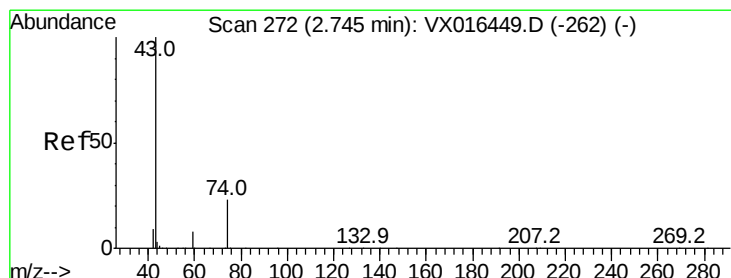
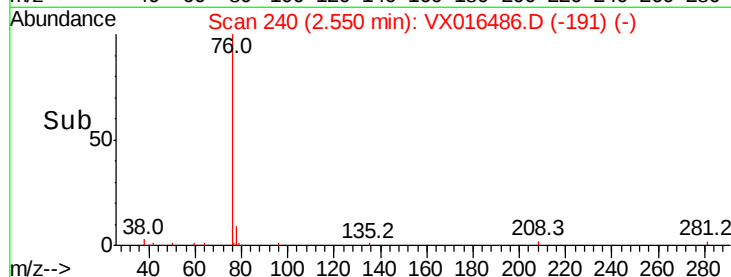
4000

2000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 0.210 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX016486.D

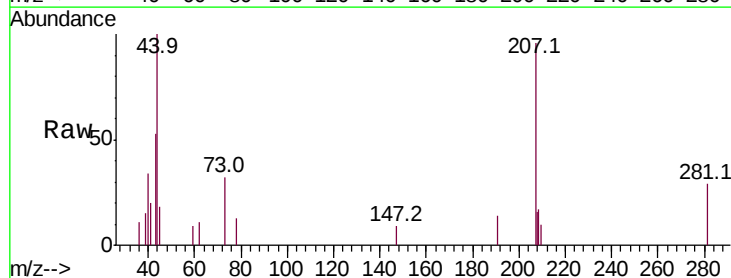
Acq: 28 May 2020 15:32

Tgt Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

74 9.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

300

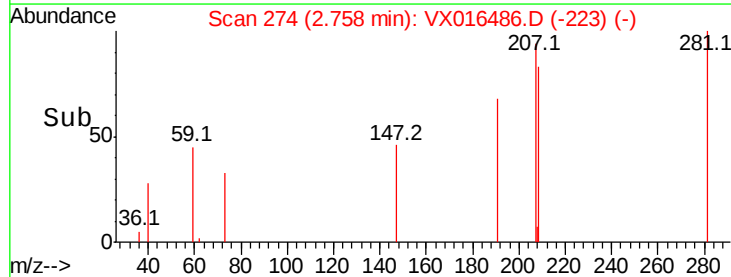
200

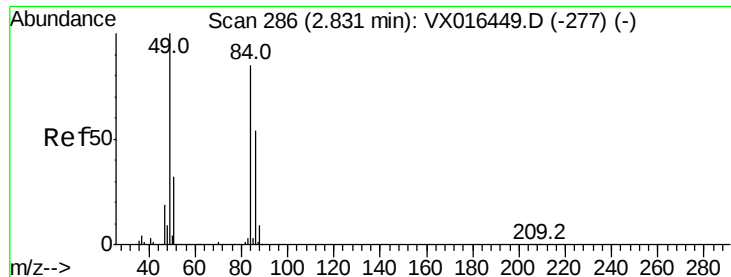
100

0

Time-->

2.70 2.75 2.80

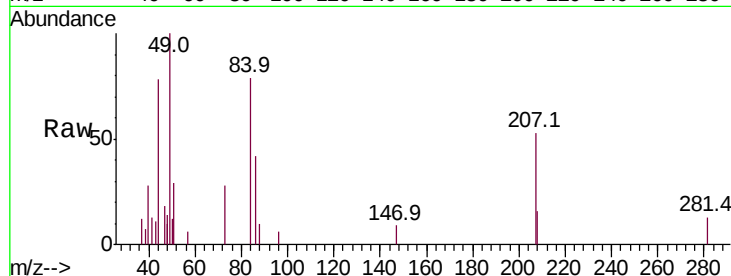




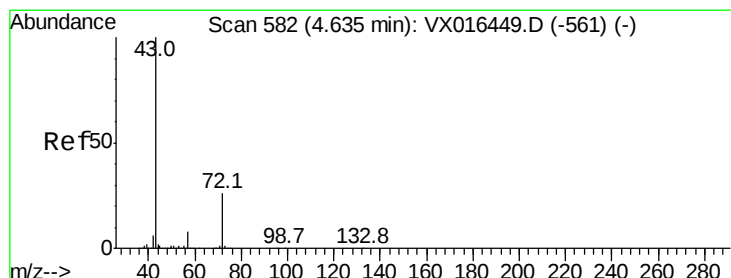
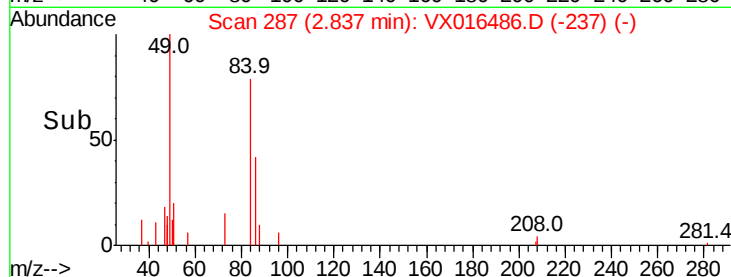
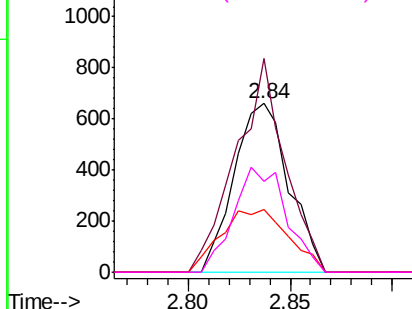
#20
Methvlene Chloride
Concen: 0.382 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016486.D
Acq: 28 May 2020 15:32

Instrument :
MSVOA_X
ClientSampleId :
SOURCE-WATER

Tot Ion: 84 Resp: 1232
Ion Ratio Lower Upper
84 100
49 126.7 94.5 141.7
51 37.3 30.2 45.4
86 53.6 51.1 76.7

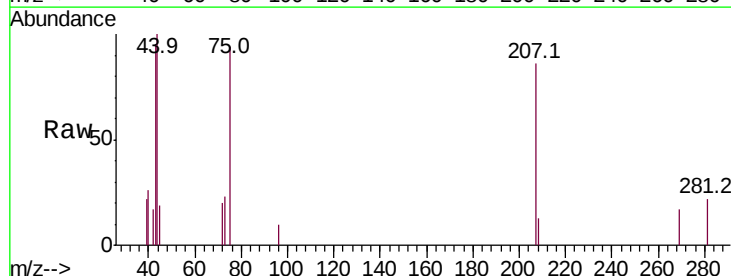


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

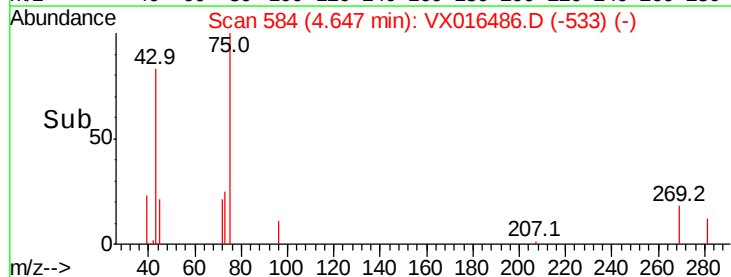
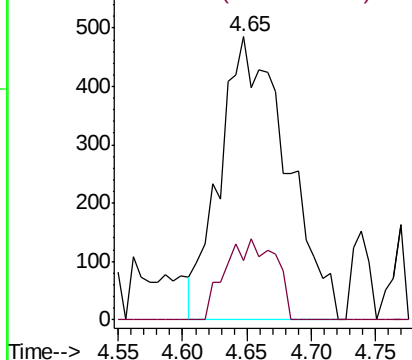


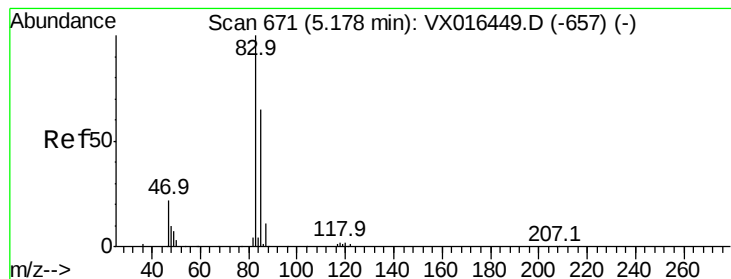
#25
2-Butanone
Concen: 0.660 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016486.D
Acq: 28 May 2020 15:32

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
72 20.8 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#30

Chloroform

Concen: 0.225 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

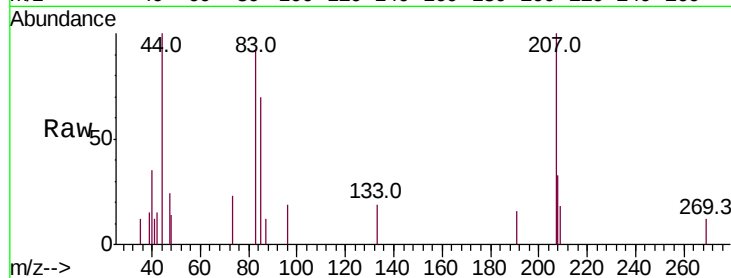
SOURCE-WATER

Tot Ion: 83 Resp: 1249

Ion Ratio Lower Upper

83 100

85 76.1 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.18

400

300

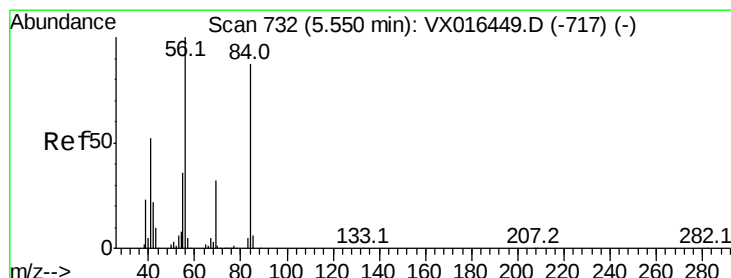
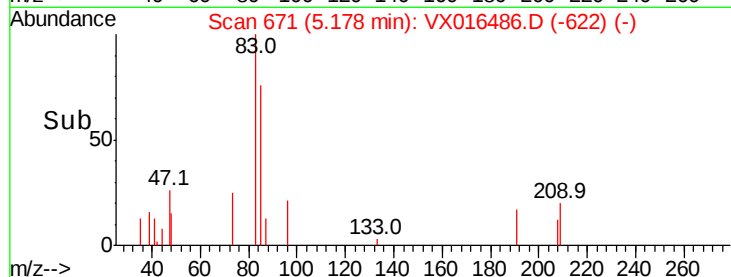
200

100

0

5.10 5.15 5.20 5.25

Time-->



#31

Cyclohexane

Concen: 1.119 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

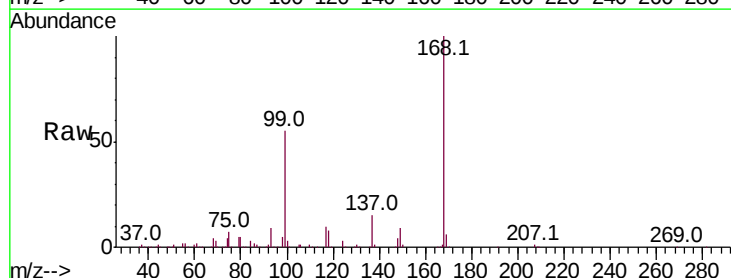
Tgt Ion: 56 Resp: 5538

Ion Ratio Lower Upper

56 100

69 173.3 25.7 38.5#

84 131.5 70.0 105.0#



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

5000

4000

3000

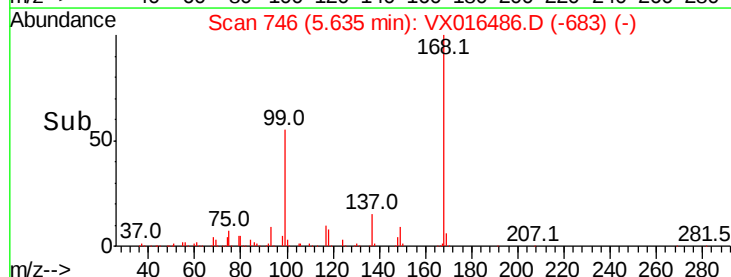
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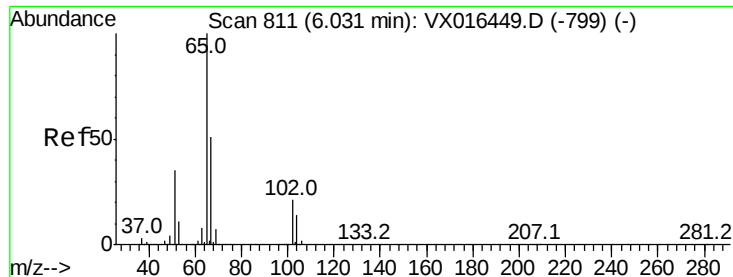
1000

0

5.50 5.60 5.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.969 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

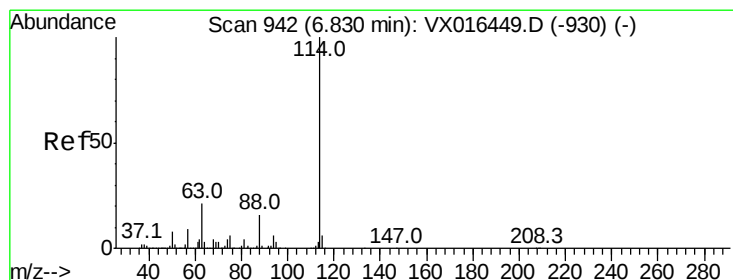
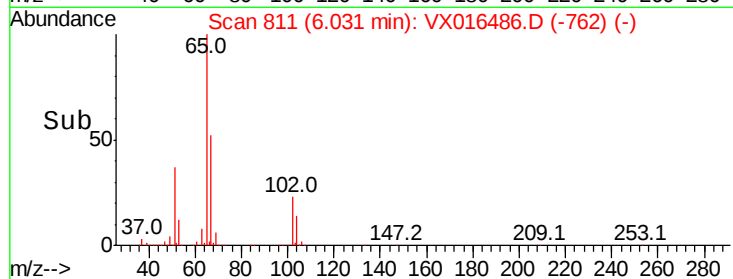
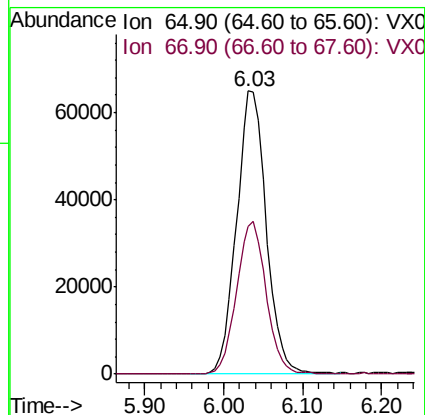
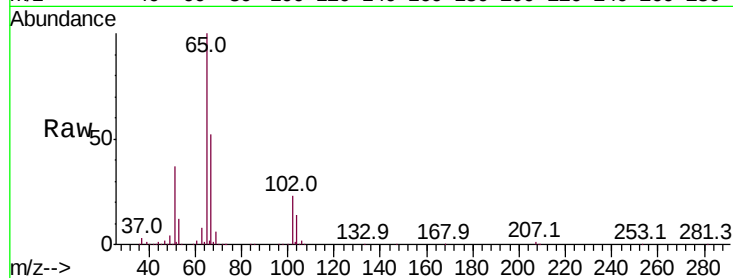
SOURCE-WATER

Tot Ion: 65 Resp: 170835

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

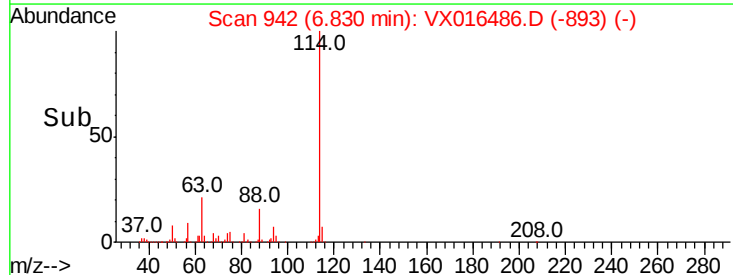
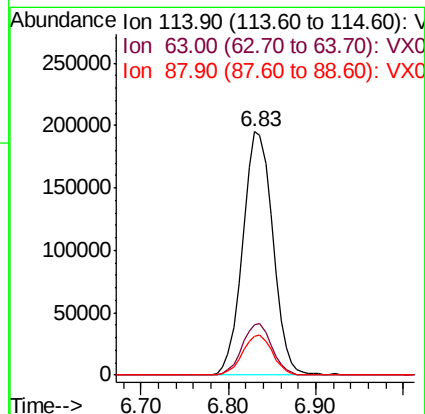
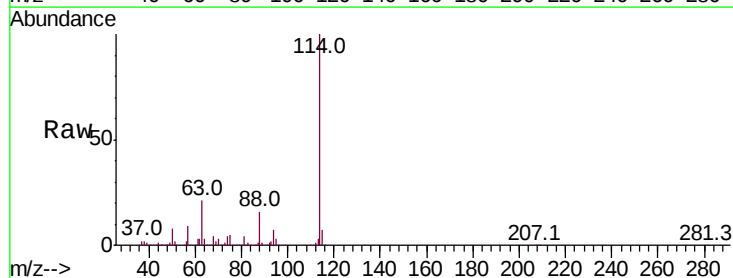
Tgt Ion: 114 Resp: 467526

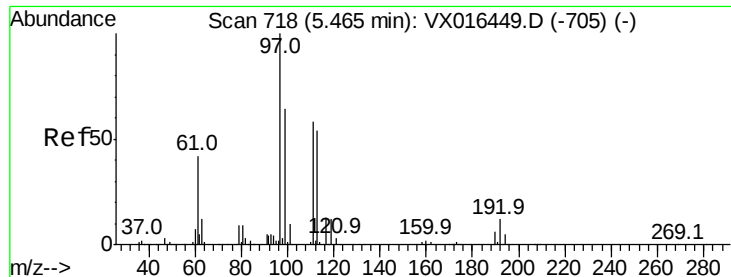
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 16.2 0.0 32.8

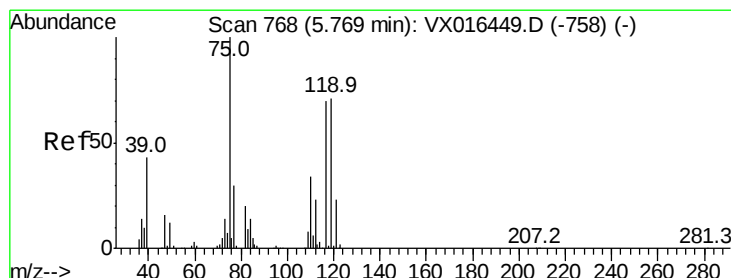
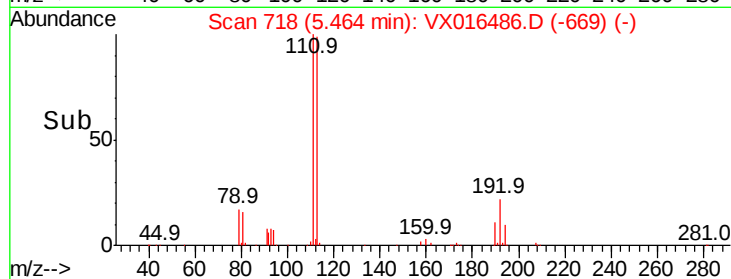
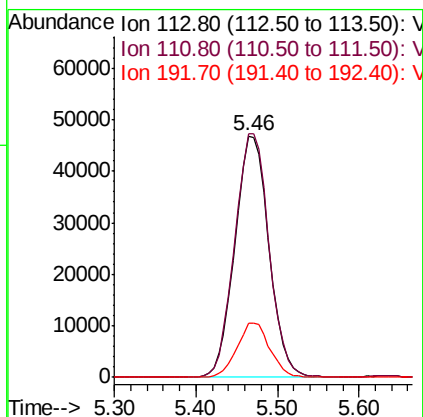
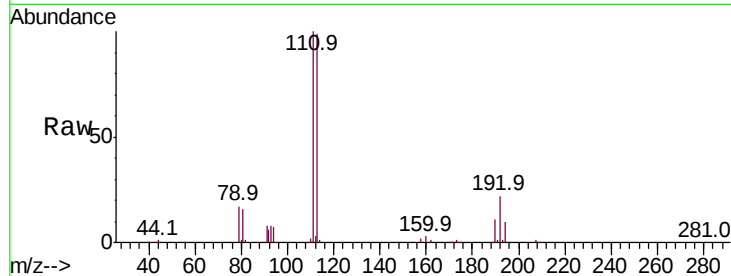




#35
 Dibromofluoromethane
 Concen: 47.082 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016486.D
 Acq: 28 May 2020 15:32

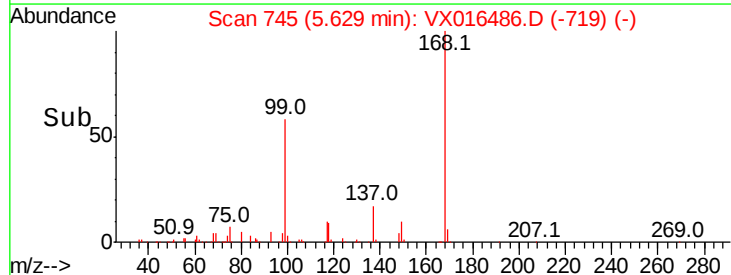
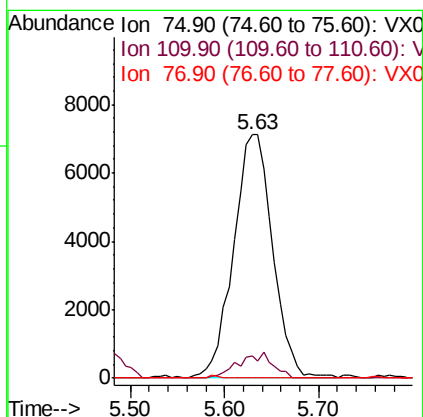
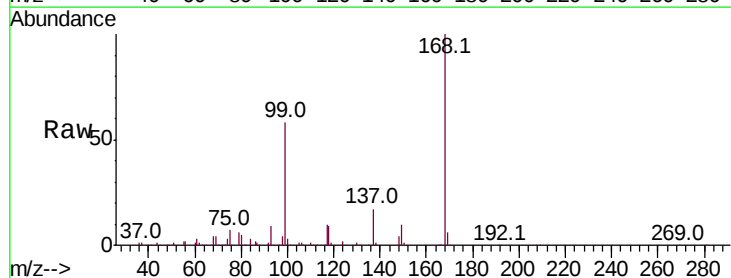
Instrument :
 MSVOA_X
 ClientSampleId :
 SOURCE-WATER

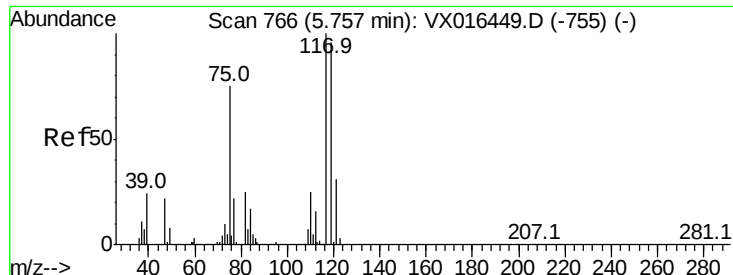
Tot Ion:113 Resp: 135537
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.0 124.6
 192 21.8 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.672 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016486.D
 Acq: 28 May 2020 15:32

Tgt Ion: 75 Resp: 20682
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.4 52.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.856 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

SOURCE-WATER

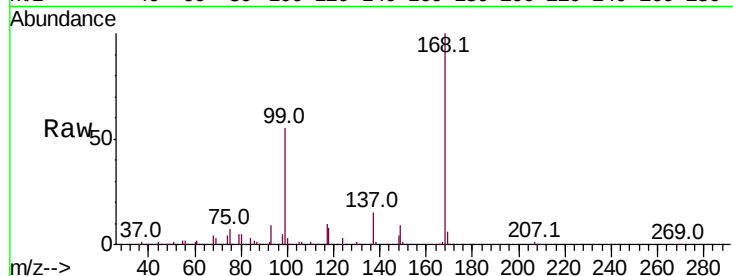
Tot Ion:117 Resp: 27240

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

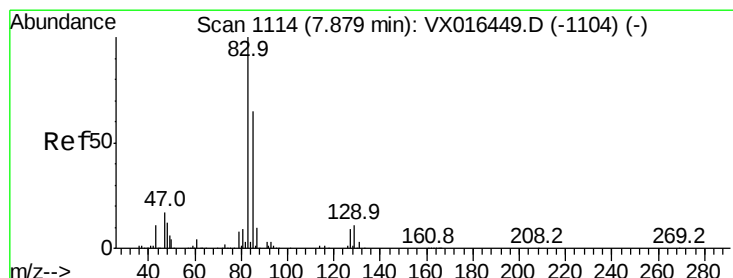
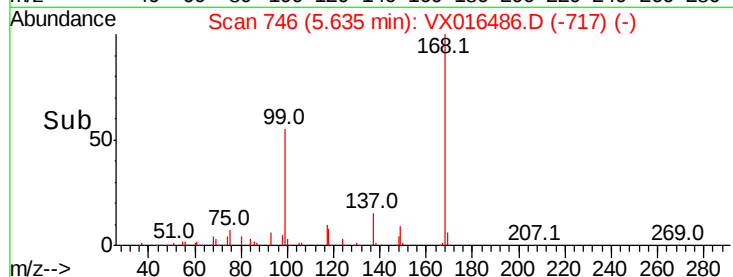
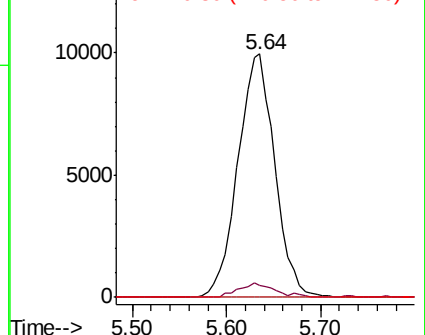
121 0.0 24.6 37.0#



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



#47

Bromodichloromethane

Concen: 0.512 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

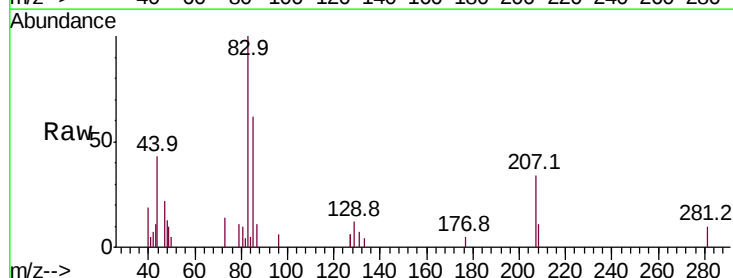
Tgt Ion: 83 Resp: 2388

Ion Ratio Lower Upper

83 100

85 61.6 52.0 78.0

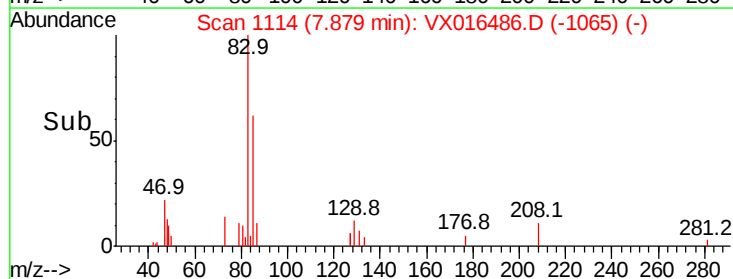
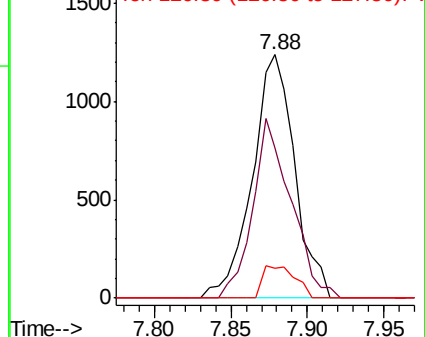
127 12.5 7.4 11.0#

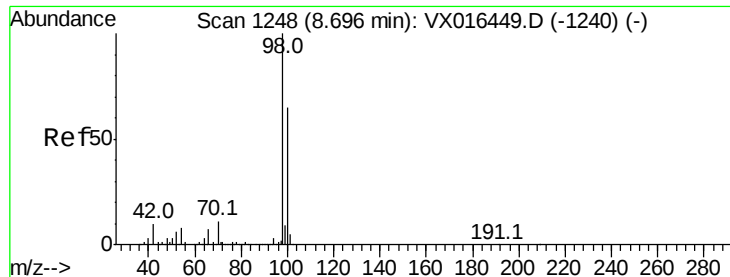


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 51.274 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

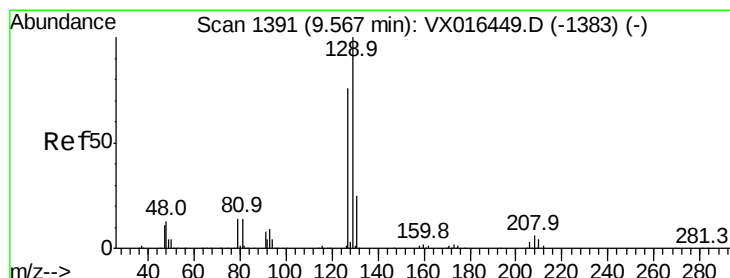
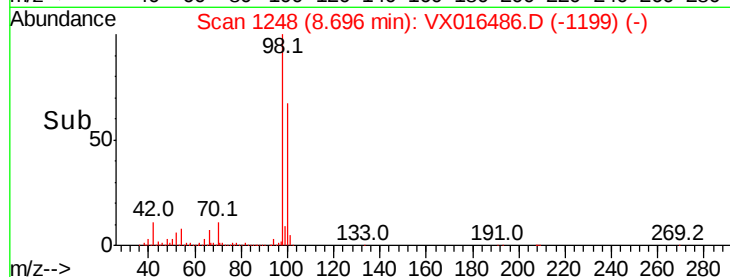
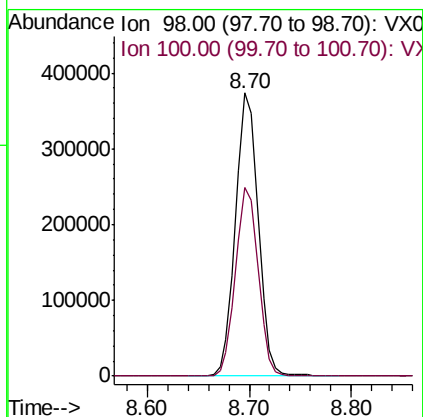
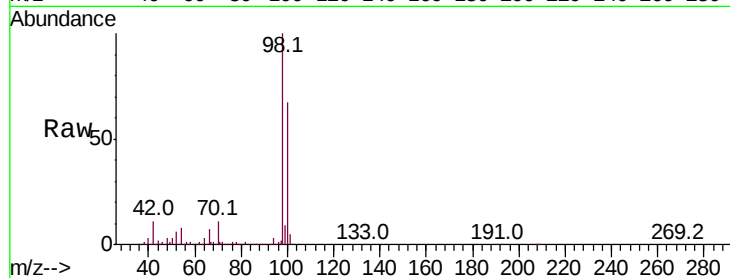
SOURCE-WATER

Tot Ion: 98 Resp: 574516

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6



#60

Dibromochloromethane

Concen: 1.210 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016486.D

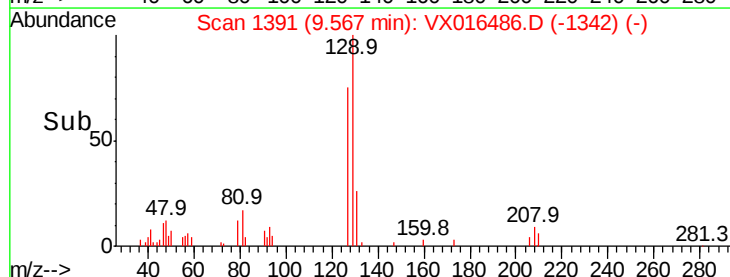
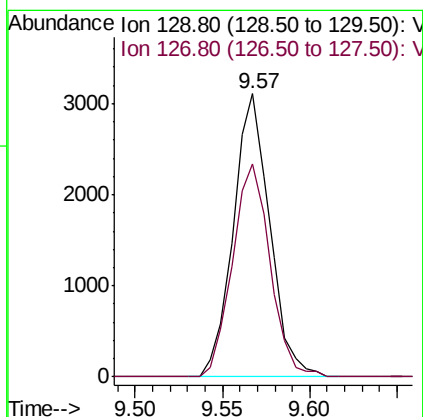
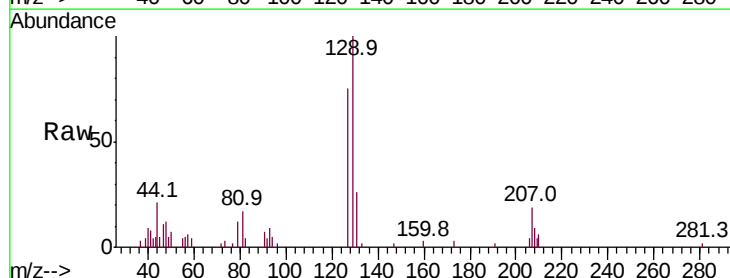
Acq: 28 May 2020 15:32

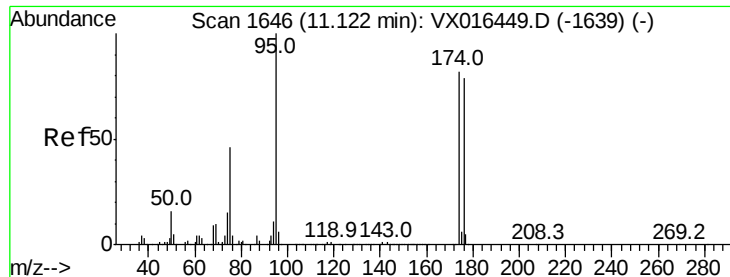
Tgt Ion: 129 Resp: 4500

Ion Ratio Lower Upper

129 100

127 77.5 38.6 116.0





#62

4-Bromofluorobenzene

Concen: 52.138 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

SOURCE-WATER

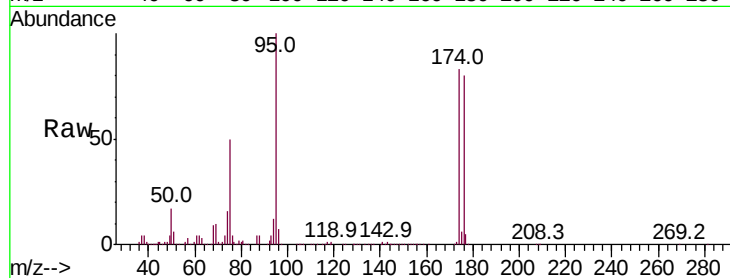
Tot Ion: 95 Resp: 225734

Ion Ratio Lower Upper

95 100

174 82.0 0.0 163.0

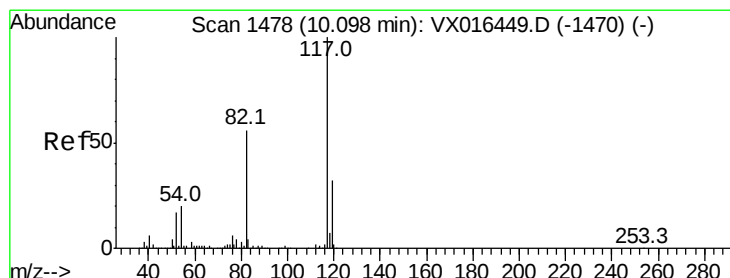
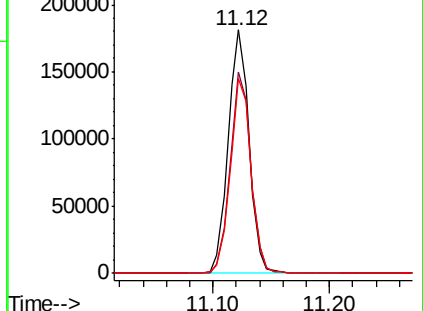
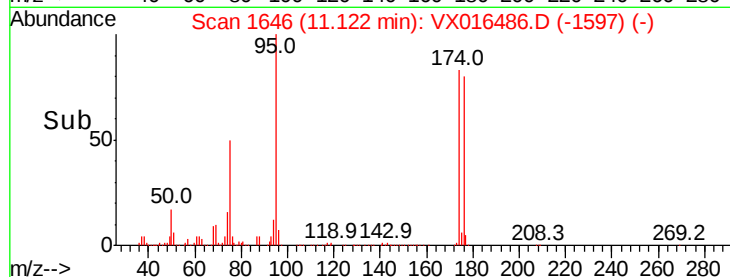
176 79.5 0.0 156.8



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: VX016486.D

Acq: 28 May 2020 15:32

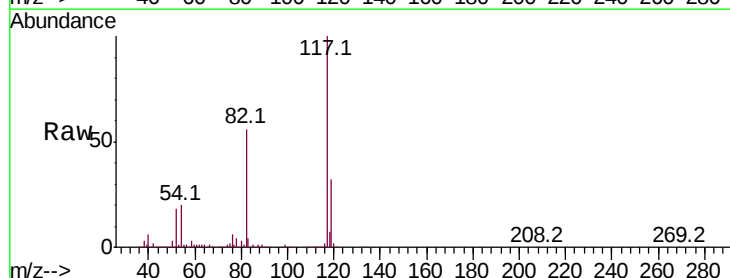
Tgt Ion: 117 Resp: 456077

Ion Ratio Lower Upper

117 100

82 55.7 45.0 67.6

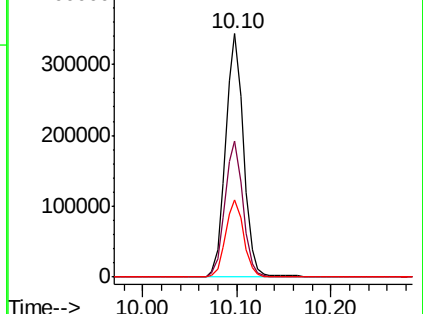
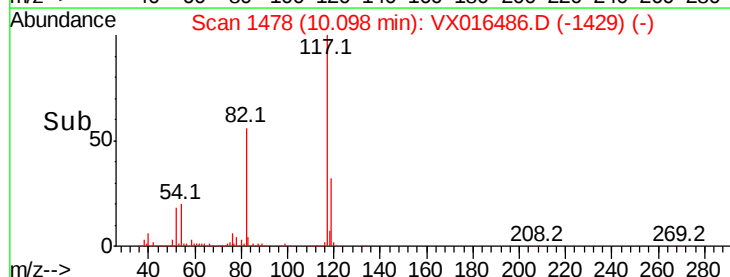
119 31.9 25.8 38.8

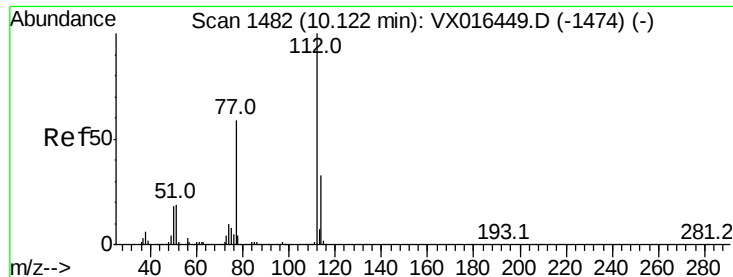


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 0.255 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

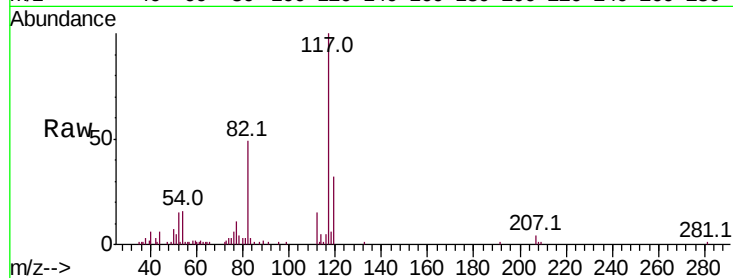
SOURCE-WATER

Tot Ion:112 Resp: 2367

Ion Ratio Lower Upper

112 100

114 35.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

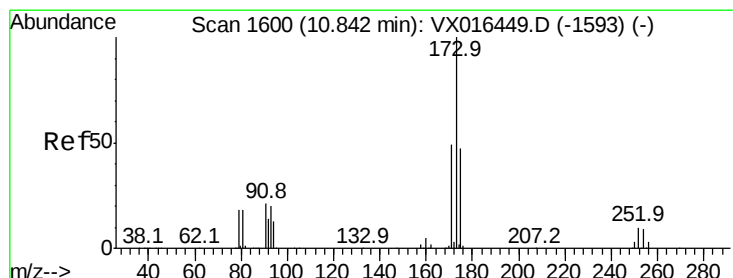
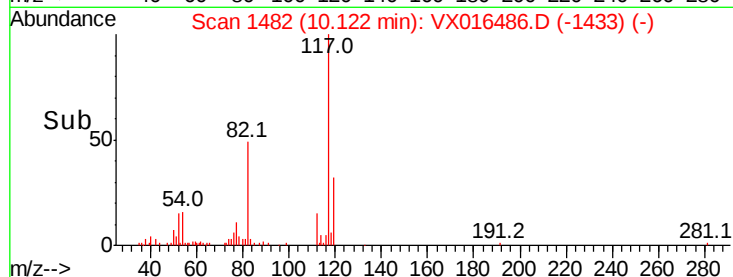
1500

1000

500

0

Time--> 10.05 10.10 10.15



#71

Bromoform

Concen: 1.586 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

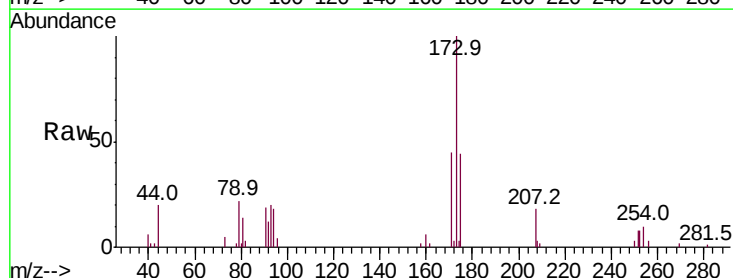
Tgt Ion:173 Resp: 4757

Ion Ratio Lower Upper

173 100

175 45.3 23.9 71.7

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

10.84

4000

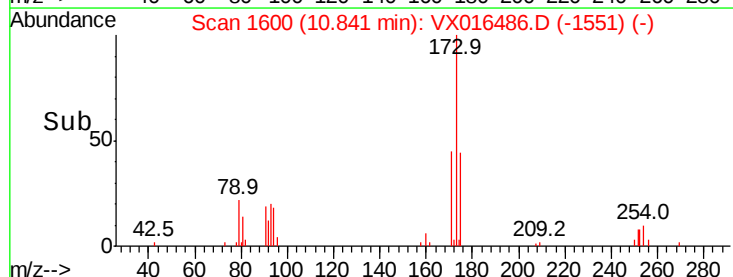
3000

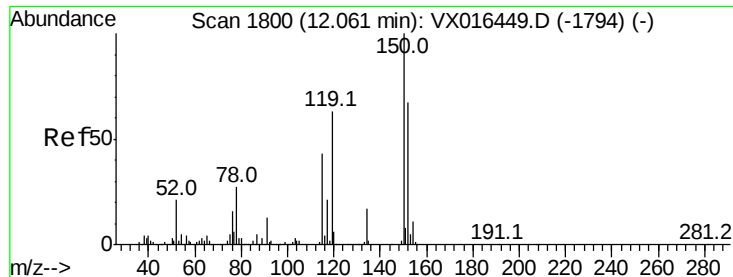
2000

1000

0

Time--> 10.80 10.85 10.90





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016486.D

Acq: 28 May 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

SOURCE-WATER

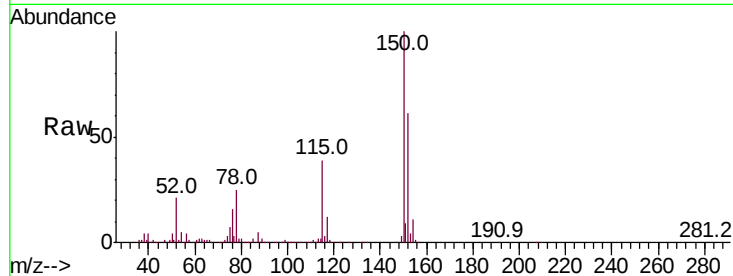
Tot Ion:152 Resp: 222654

Ion Ratio Lower Upper

152 100

115 58.6 39.9 119.6

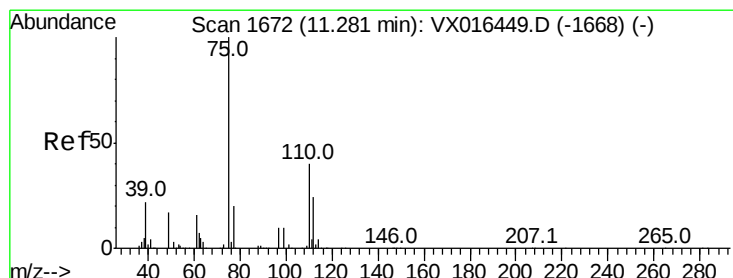
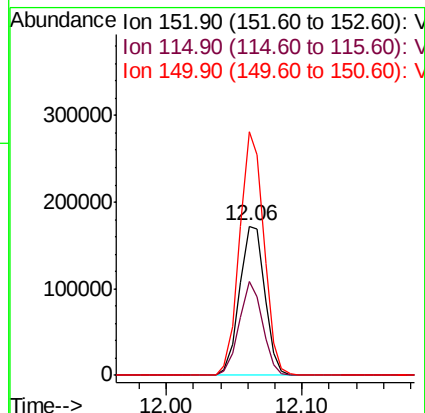
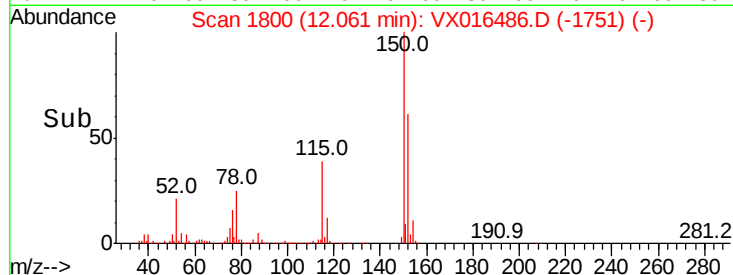
150 156.8 0.0 341.0



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: 22.634 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016486.D

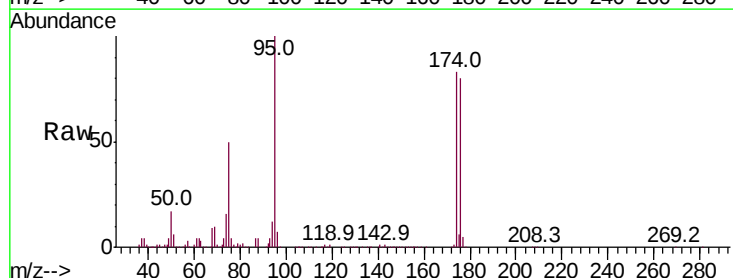
Acq: 28 May 2020 15:32

Tgt Ion: 75 Resp: 110771

Ion Ratio Lower Upper

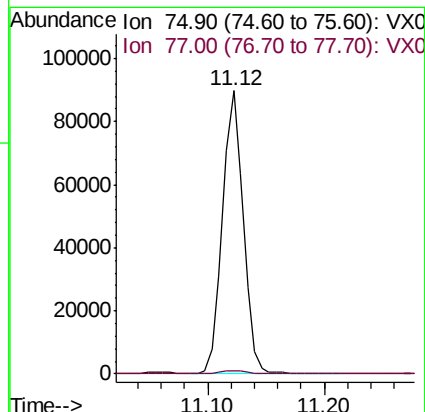
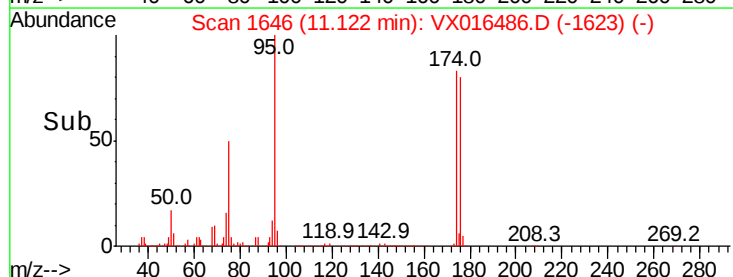
75 100

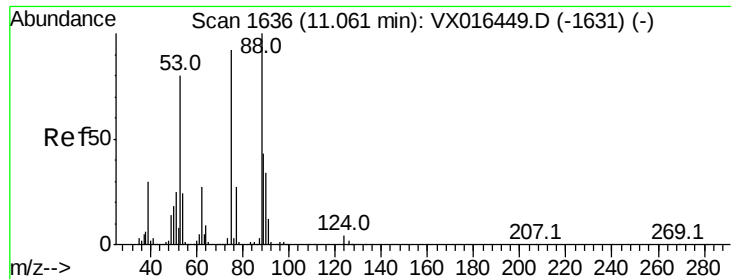
77 1.4 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.676 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016486.D
 Acq: 28 May 2020 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 SOURCE-WATER

Tot Ion: 75 Resp: 110771
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#

