

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016892.D
 Acq On : 19 Jun 2020 20:02
 Operator : JC/SP
 Sample : L3048-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

Quant Time: Jun 22 05:58:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	237616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	387603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	397628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211521	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	140443	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	5.47	113	120034	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	8.70	98	473162	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.12	95	202652	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

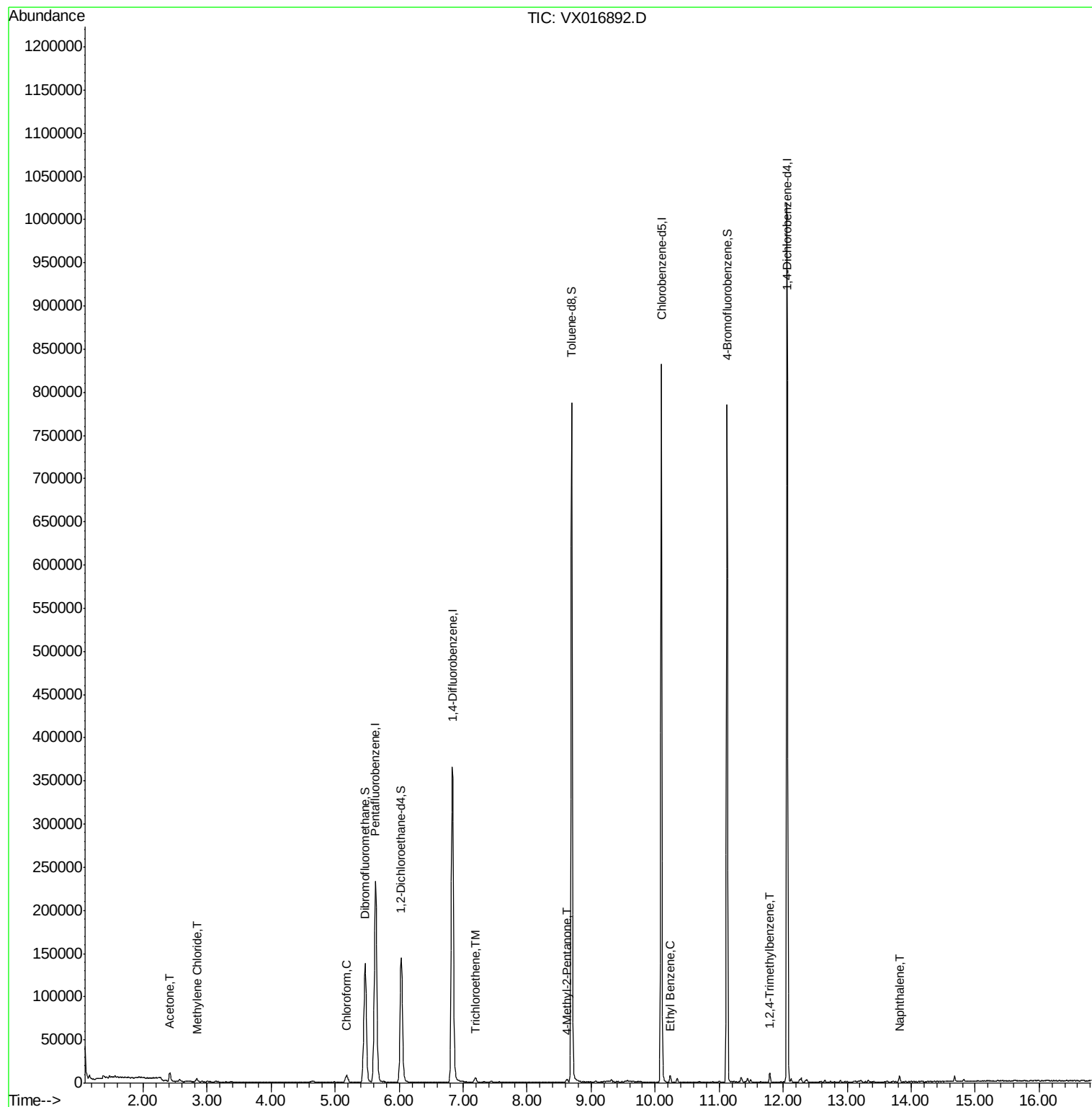
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	11263	10.857	ug/l	89
20) Methylene Chloride	2.84	84	1857	0.746	ug/l	95
30) Chloroform	5.18	83	10079	2.375	ug/l	98
44) Trichloroethene	7.19	130	2080	0.632	ug/l	87
51) 4-Methyl-2-Pentanone	8.62	43	2360	0.711	ug/l	93
67) Ethyl Benzene	10.24	91	4675	0.344	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	4693	0.388	ug/l	99
95) Naphthalene	13.82	128	4310	0.334	ug/l	97

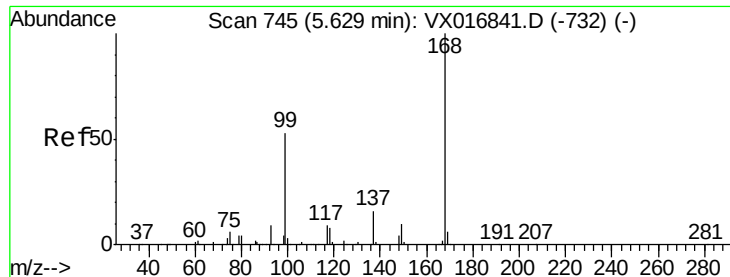
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
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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: VX016892.D

Acq: 19 Jun 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

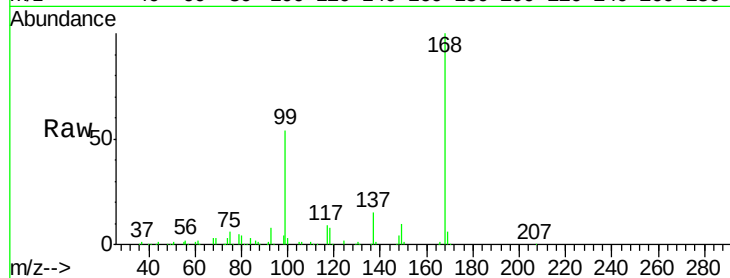
GROUNDWATER

Tot Ion:168 Resp: 237616

Ion Ratio Lower Upper

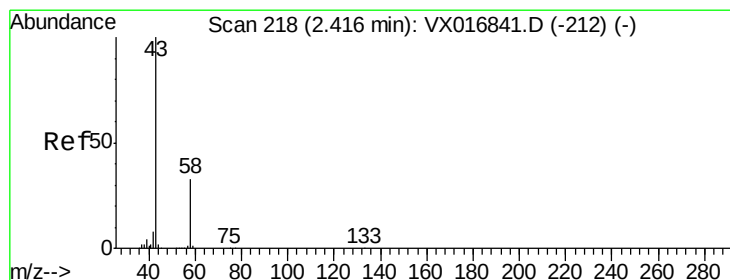
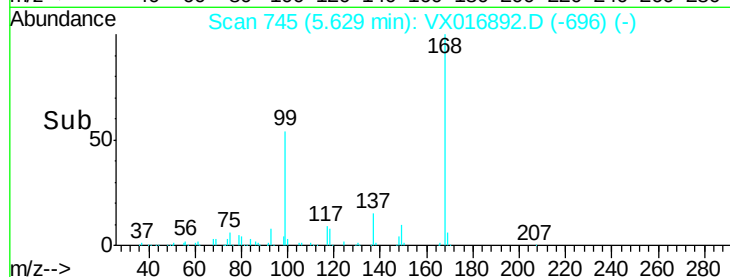
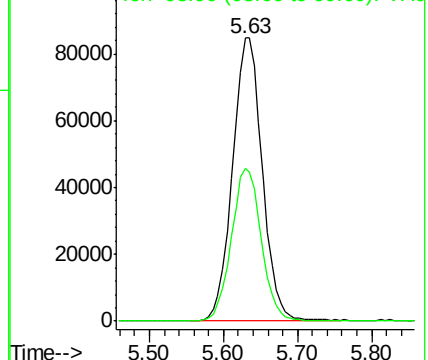
168 100

99 53.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 10.857 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016892.D

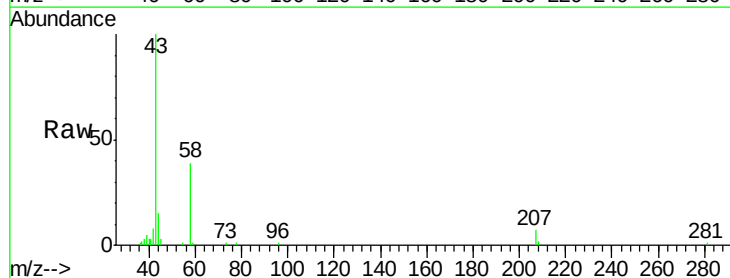
Acq: 19 Jun 2020 20:02

Tgt Ion: 43 Resp: 11263

Ion Ratio Lower Upper

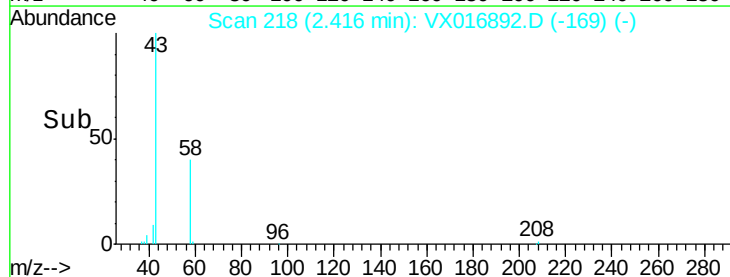
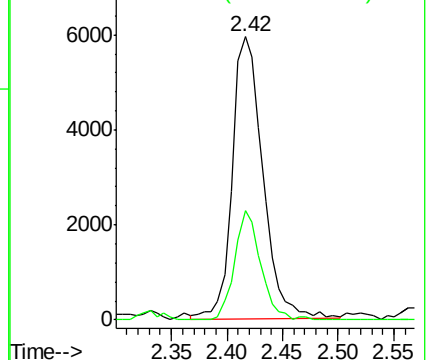
43 100

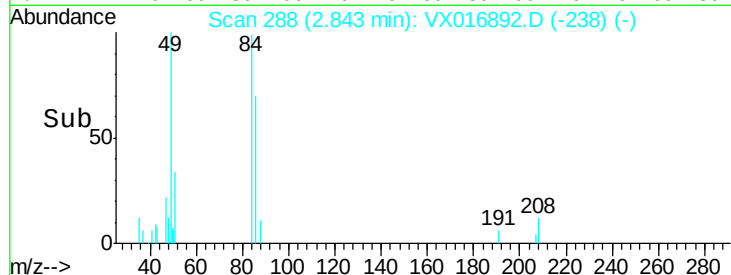
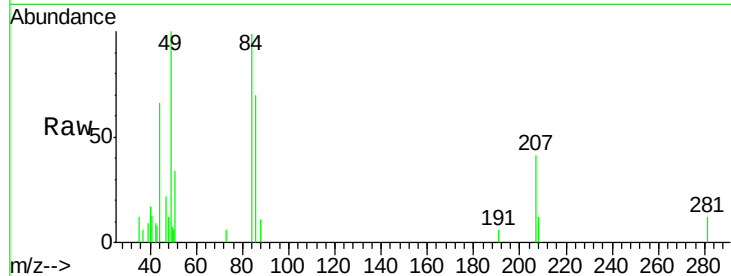
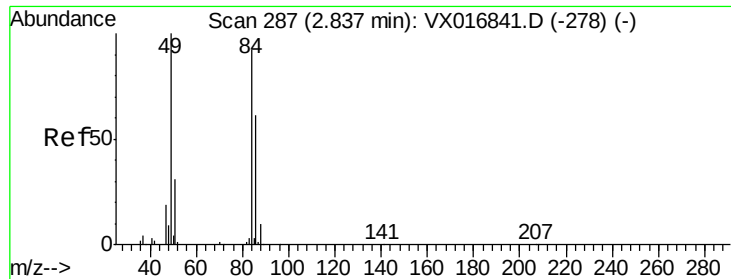
58 39.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

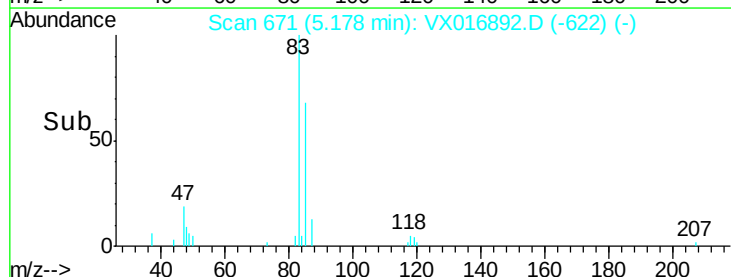
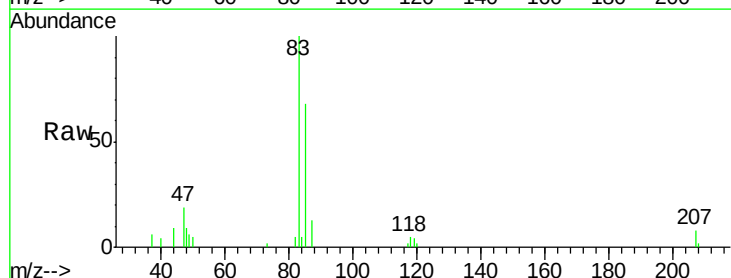
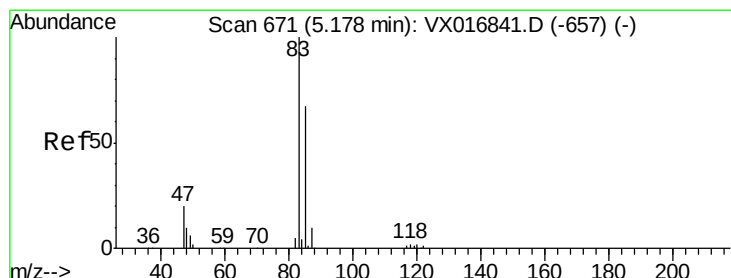
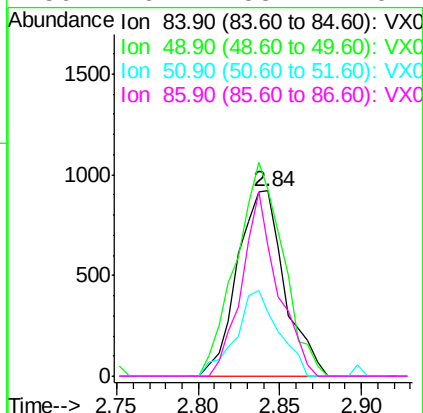




#20
Methylene Chloride
Concen: 0.746 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016892.D
Acq: 19 Jun 2020 20:02

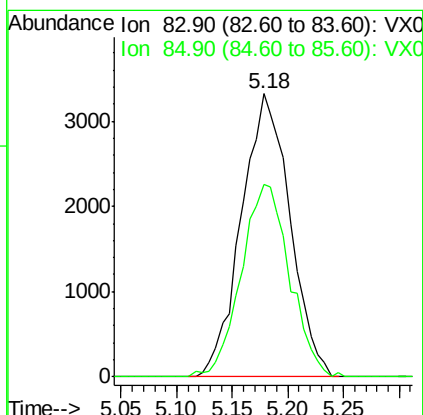
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

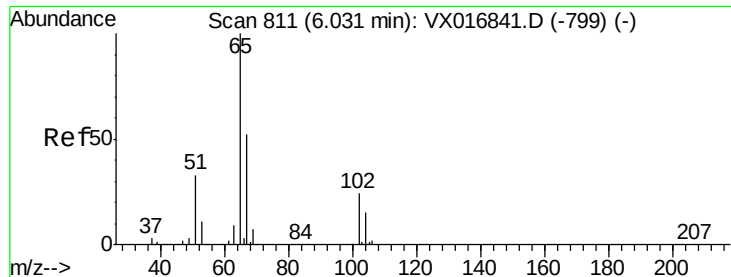
Tot Ion:	84	Resp:	1857
Ion	Ratio	Lower	Upper
84	100		
49	101.0	86.6	129.8
51	34.6	27.1	40.7
86	70.7	53.1	79.7



#30
Chloroform
Concen: 2.375 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016892.D
Acq: 19 Jun 2020 20:02

Tgt Ion:	83	Resp:	10079
Ion	Ratio	Lower	Upper
83	100		
85	67.9	53.4	80.0

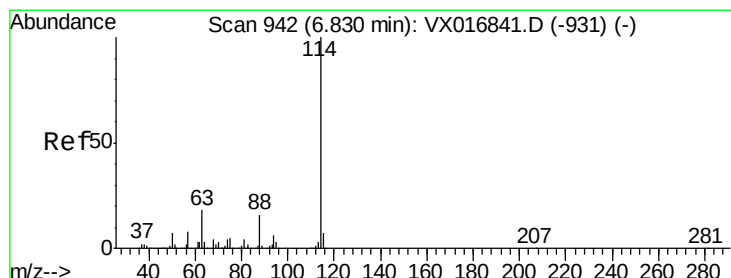
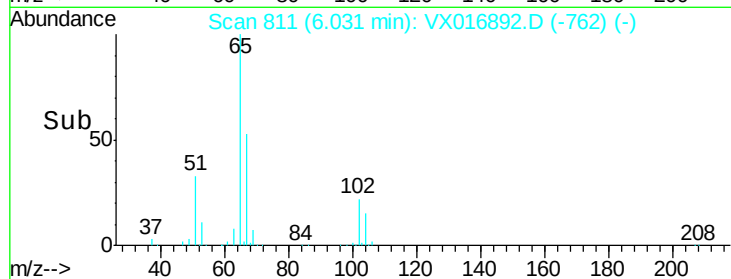
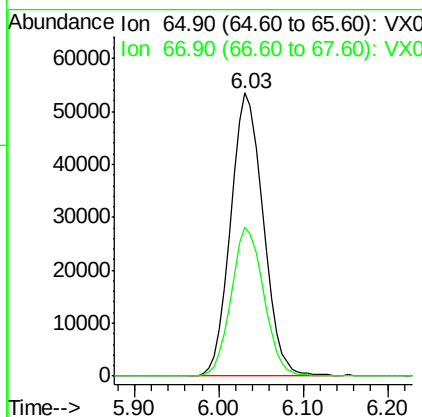
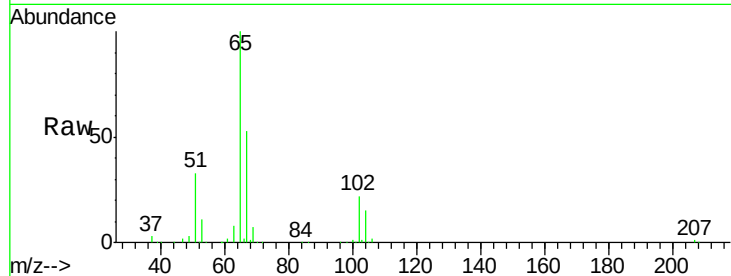




#33
 1,2-Dichloroethane-d4
 Concen: 49.145 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016892.D
 Acq: 19 Jun 2020 20:02

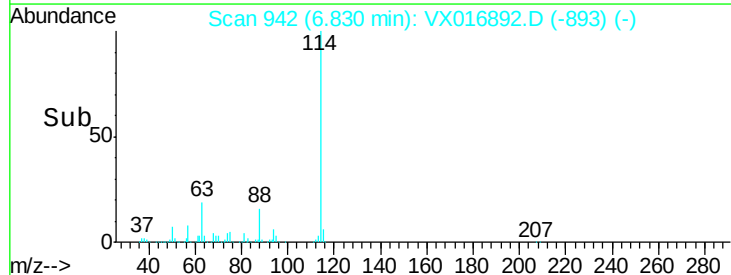
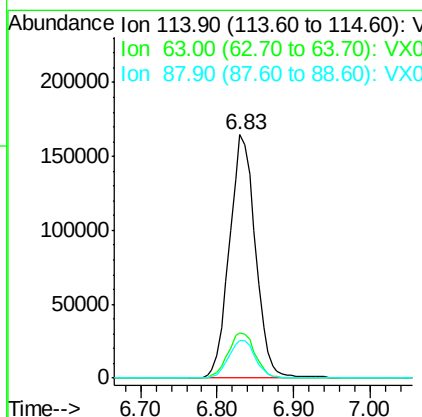
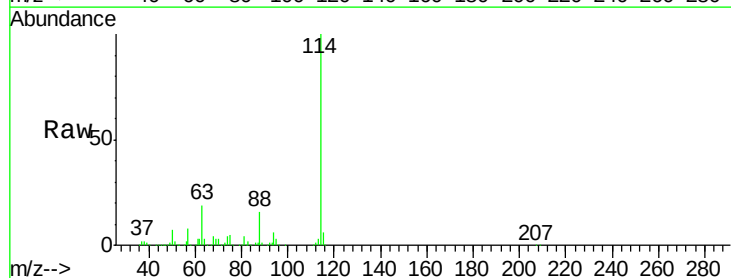
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

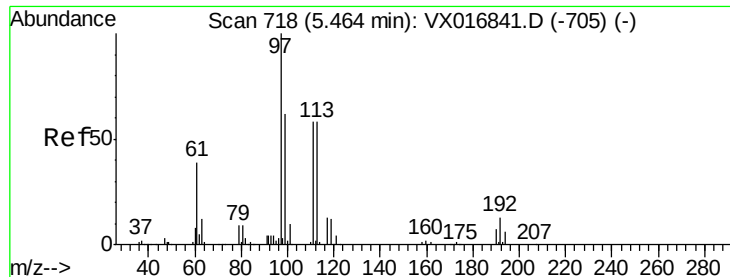
Tot Ion: 65 Resp: 140443
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016892.D
 Acq: 19 Jun 2020 20:02

Tgt Ion: 114 Resp: 387603
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.0
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.411 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016892.D

Acq: 19 Jun 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

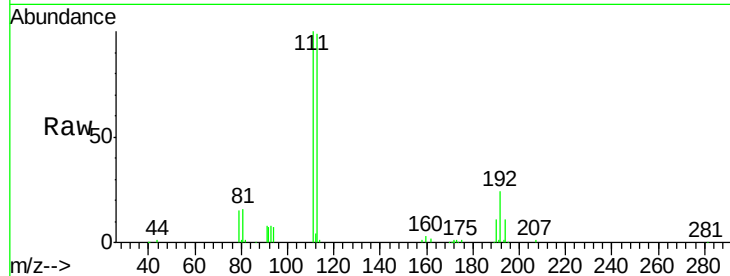
Tot Ion:113 Resp: 120034

Ion Ratio Lower Upper

113 100

111 103.7 81.0 121.4

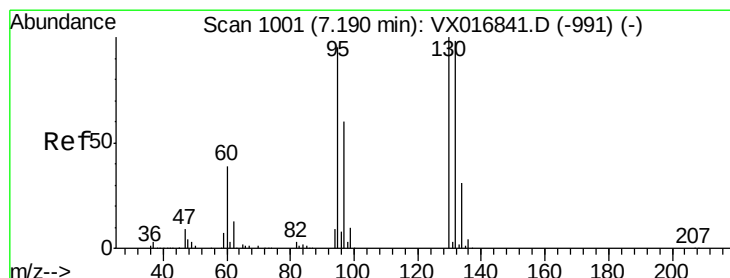
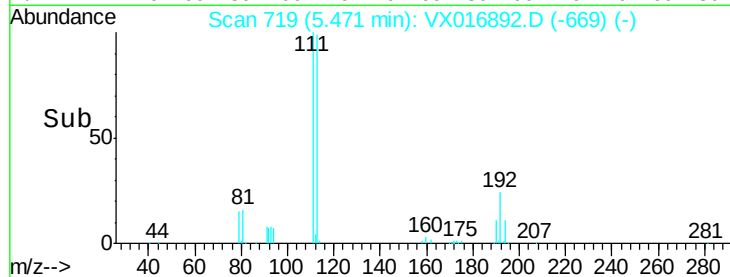
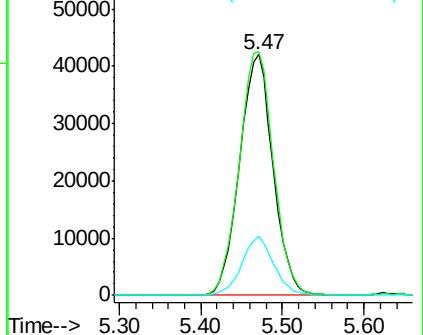
192 23.3 18.5 27.7



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



#44

Trichloroethene

Concen: 0.632 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016892.D

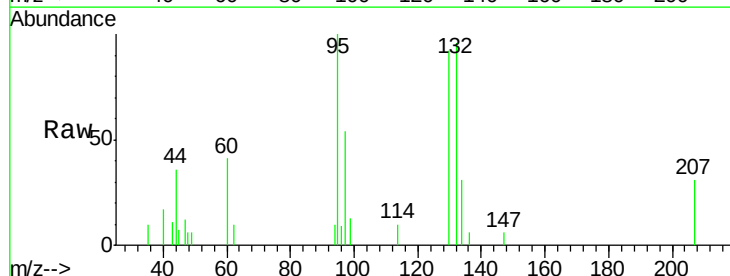
Acq: 19 Jun 2020 20:02

Tgt Ion:130 Resp: 2080

Ion Ratio Lower Upper

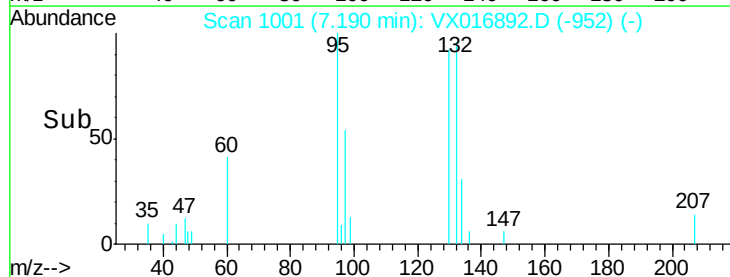
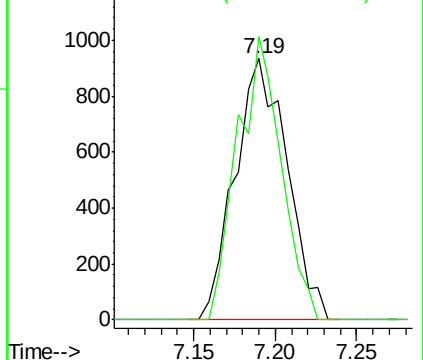
130 100

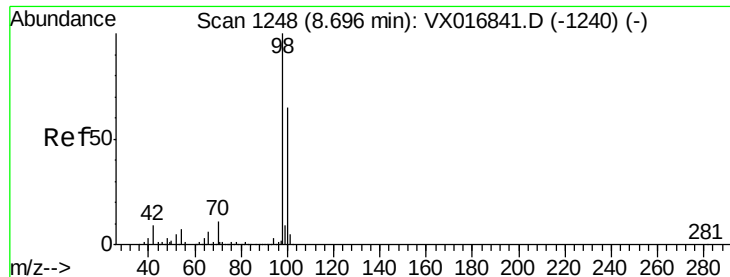
95 108.5 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

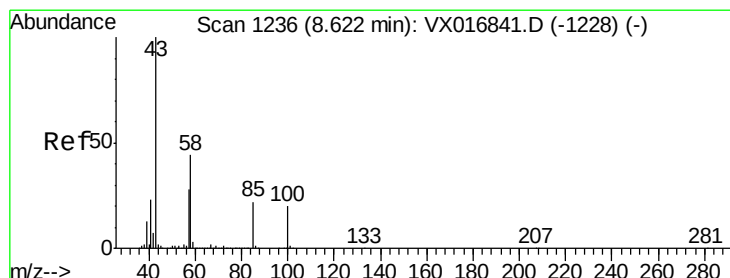
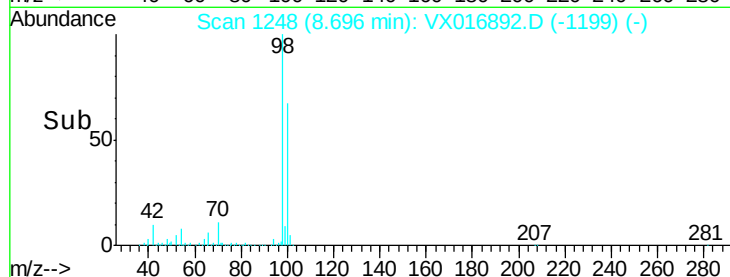
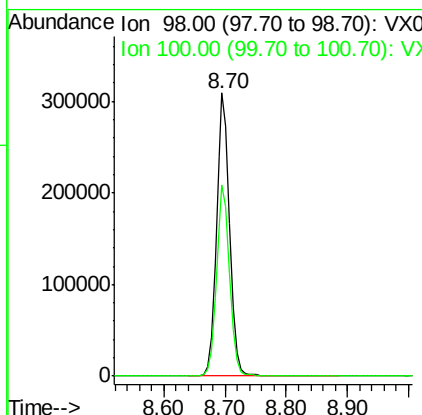
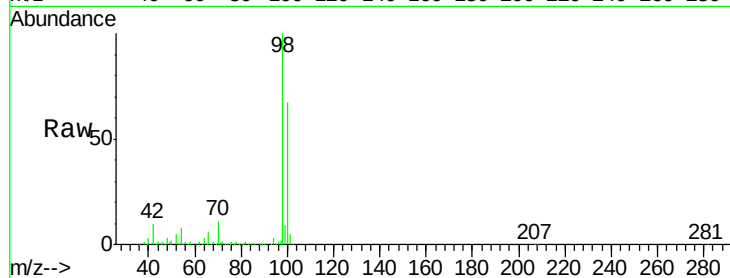




#50
Toluene-d8
Concen: 47.697 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016892.D
Acq: 19 Jun 2020 20:02

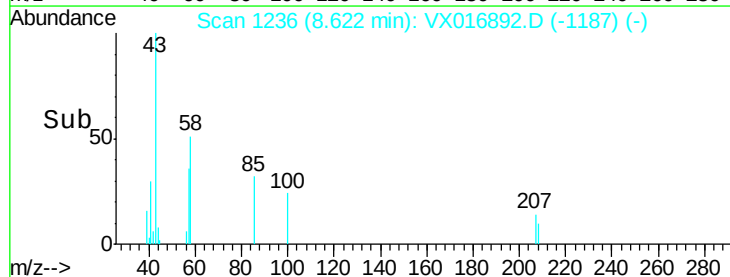
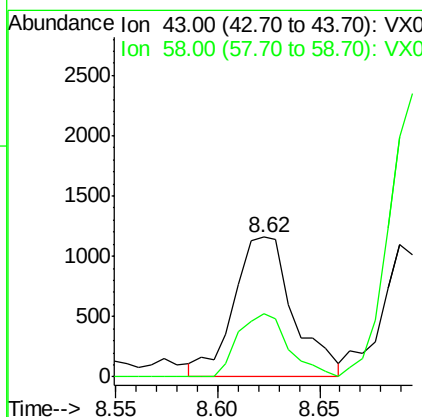
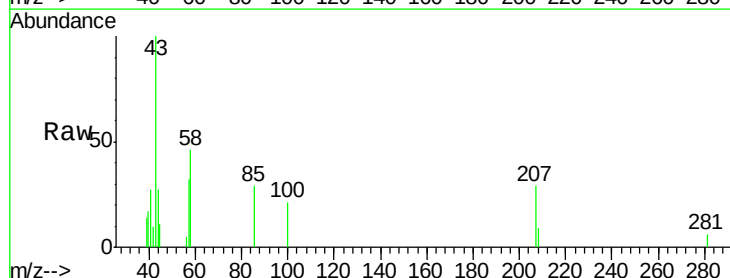
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

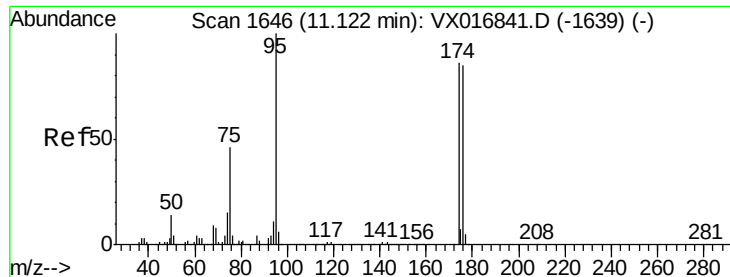
Tot Ion: 98 Resp: 473162
Ion Ratio Lower Upper
98 100
100 67.5 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 0.711 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016892.D
Acq: 19 Jun 2020 20:02

Tgt Ion: 43 Resp: 2360
Ion Ratio Lower Upper
43 100
58 38.3 34.3 51.5





#62

4-Bromofluorobenzene

Concen: 53.318 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016892.D

Acq: 19 Jun 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

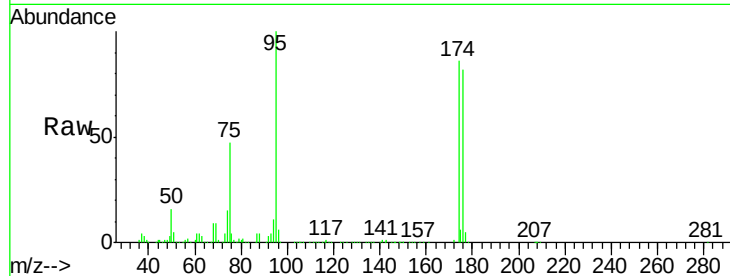
Tot Ion: 95 Resp: 202652

Ion Ratio Lower Upper

95 100

174 86.4 0.0 174.2

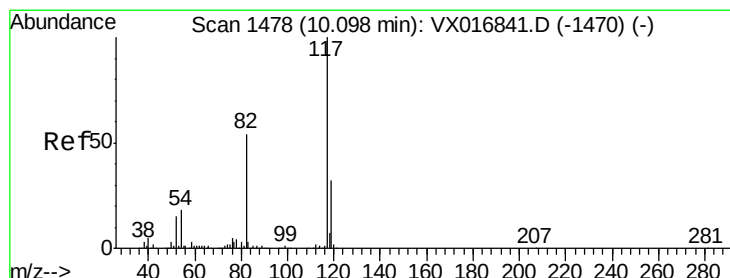
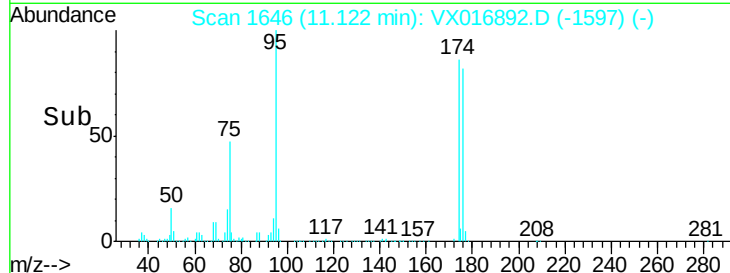
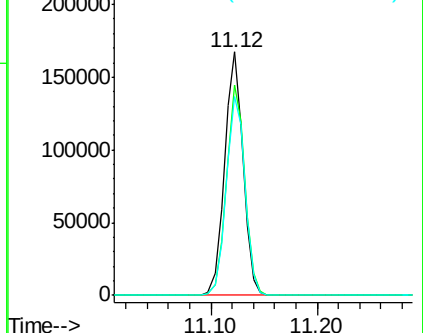
176 83.5 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016892.D

Acq: 19 Jun 2020 20:02

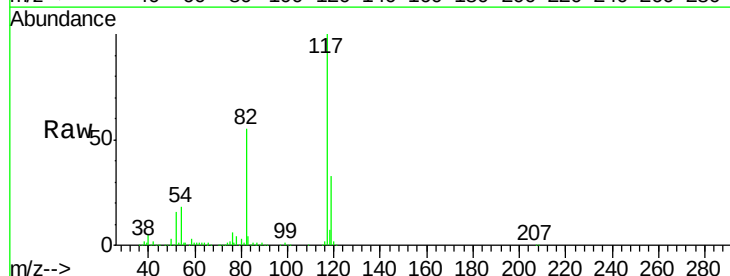
Tgt Ion: 117 Resp: 397628

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

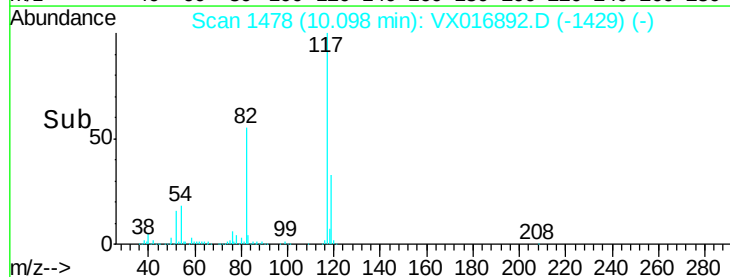
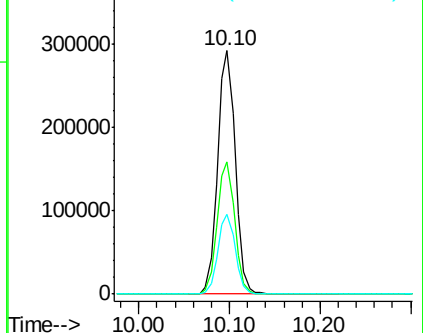
119 32.8 25.7 38.5

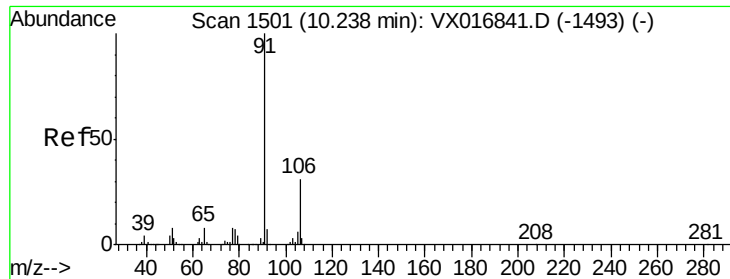


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#67

Ethyl Benzene

Concen: 0.344 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016892.D

Acq: 19 Jun 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

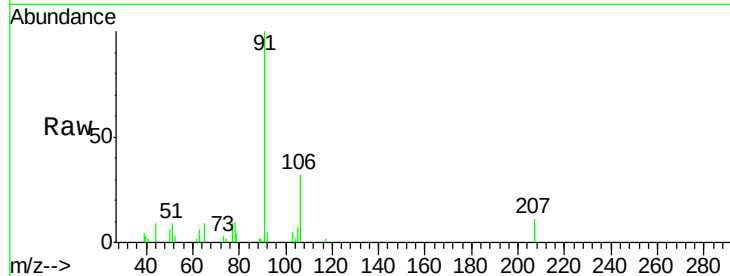
GROUNDWATER

Tot Ion: 91 Resp: 4675

Ion Ratio Lower Upper

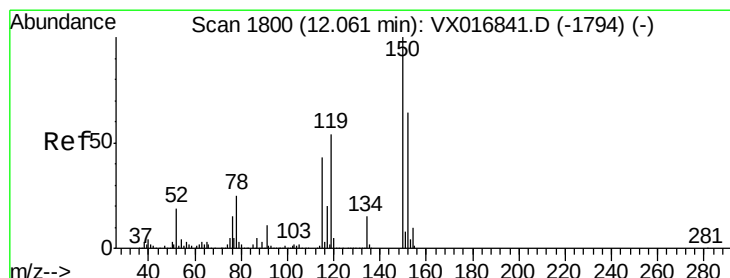
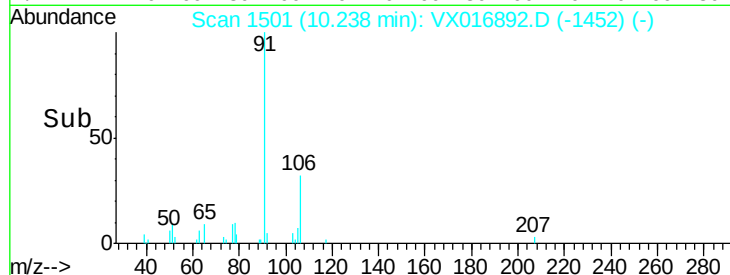
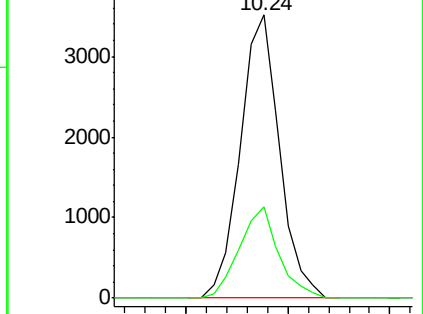
91 100

106 32.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016841.D (-1493) (-)

Ion 106.00 (105.70 to 106.70): VX016841.D (-1493) (-)



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016892.D

Acq: 19 Jun 2020 20:02

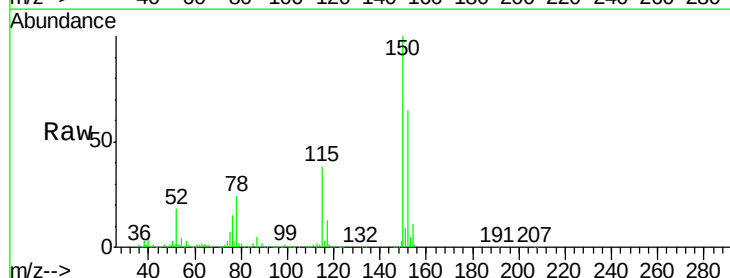
Tgt Ion: 152 Resp: 211521

Ion Ratio Lower Upper

152 100

115 58.6 40.9 122.8

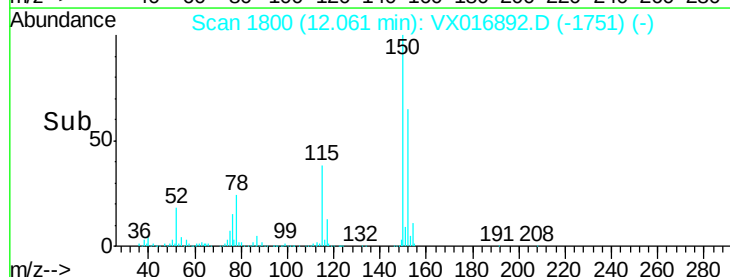
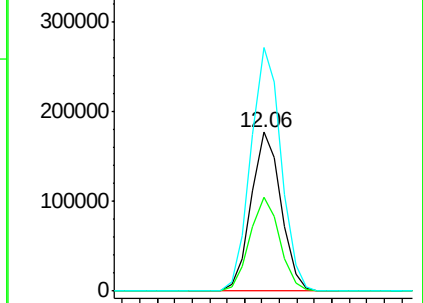
150 155.3 0.0 344.2

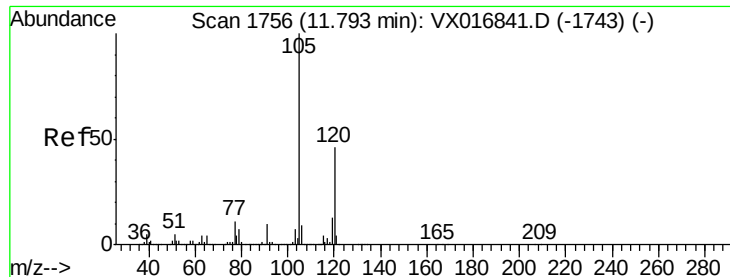


Abundance Ion 151.90 (151.60 to 152.60): VX016841.D (-1794) (-)

Ion 114.90 (114.60 to 115.60): VX016841.D (-1794) (-)

Ion 149.90 (149.60 to 150.60): VX016841.D (-1794) (-)





#84

1,2,4-Trimethylbenzene

Concen: 0.388 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016892.D

Acq: 19 Jun 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

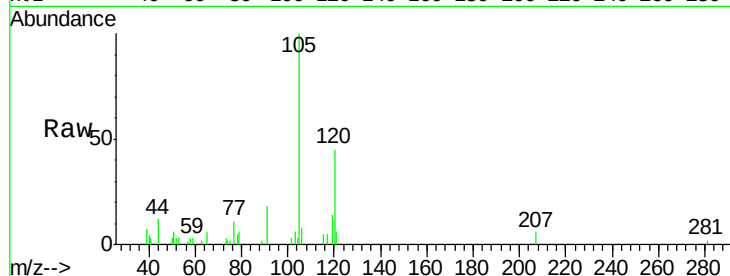
GROUNDWATER

Tot Ion:105 Resp: 4693

Ion Ratio Lower Upper

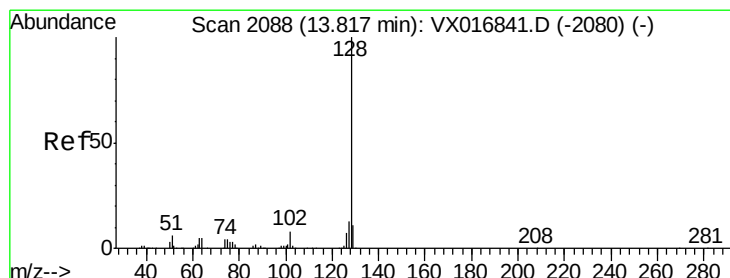
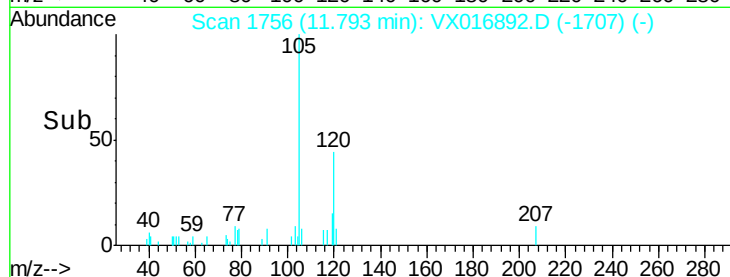
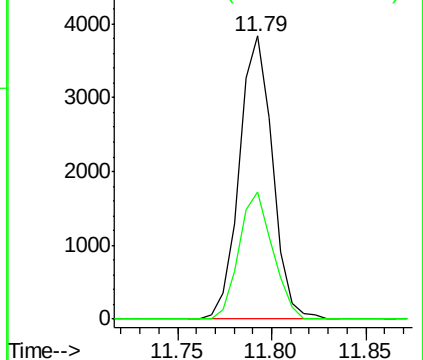
105 100

120 45.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 0.334 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016892.D

Acq: 19 Jun 2020 20:02

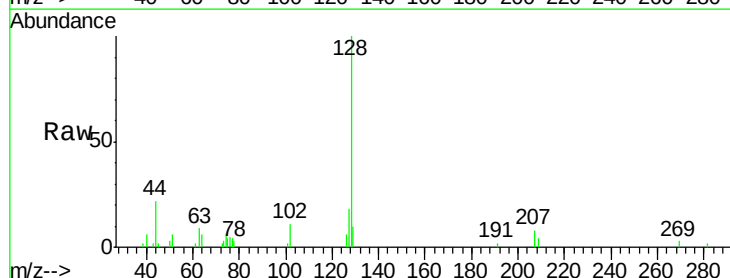
Tgt Ion:128 Resp: 4310

Ion Ratio Lower Upper

128 100

127 14.8 10.4 15.6

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

