

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\
 Data File : VX017638.D
 Acq On : 27 Jul 2020 23:29
 Operator : JC/SP
 Sample : L3429-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 10:07:42 AM

Quant Time: Jul 28 02:29:08 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	482598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	794662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	847208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	477054	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	324153	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.58%	
35) Dibromofluoromethane	5.47	113	283560	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
50) Toluene-d8	8.70	98	1002718	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.12	95	456860	59.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.08%	
Target Compounds						
16) Acetone	2.42	43	38156	13.984	ug/l	98
25) 2-Butanone	4.64	43	11387m	2.938	ug/l	
30) Chloroform	5.17	83	17080	1.744	ug/l	88
39) Methylcyclohexane	7.45	83	21869	2.458	ug/l #	92
70) Styrene	10.70	104	8015	0.413	ug/l	95
73) Isopropylbenzene	11.01	105	23894	0.730	ug/l	98
78) n-propylbenzene	11.34	91	74731	2.025	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	7446	0.268	ug/l	93
85) sec-Butylbenzene	11.93	105	20695	0.664	ug/l	97
89) n-Butylbenzene	12.37	91	23687m	0.896	ug/l	
95) Naphthalene	13.82	128	513935	16.313	ug/l	99

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

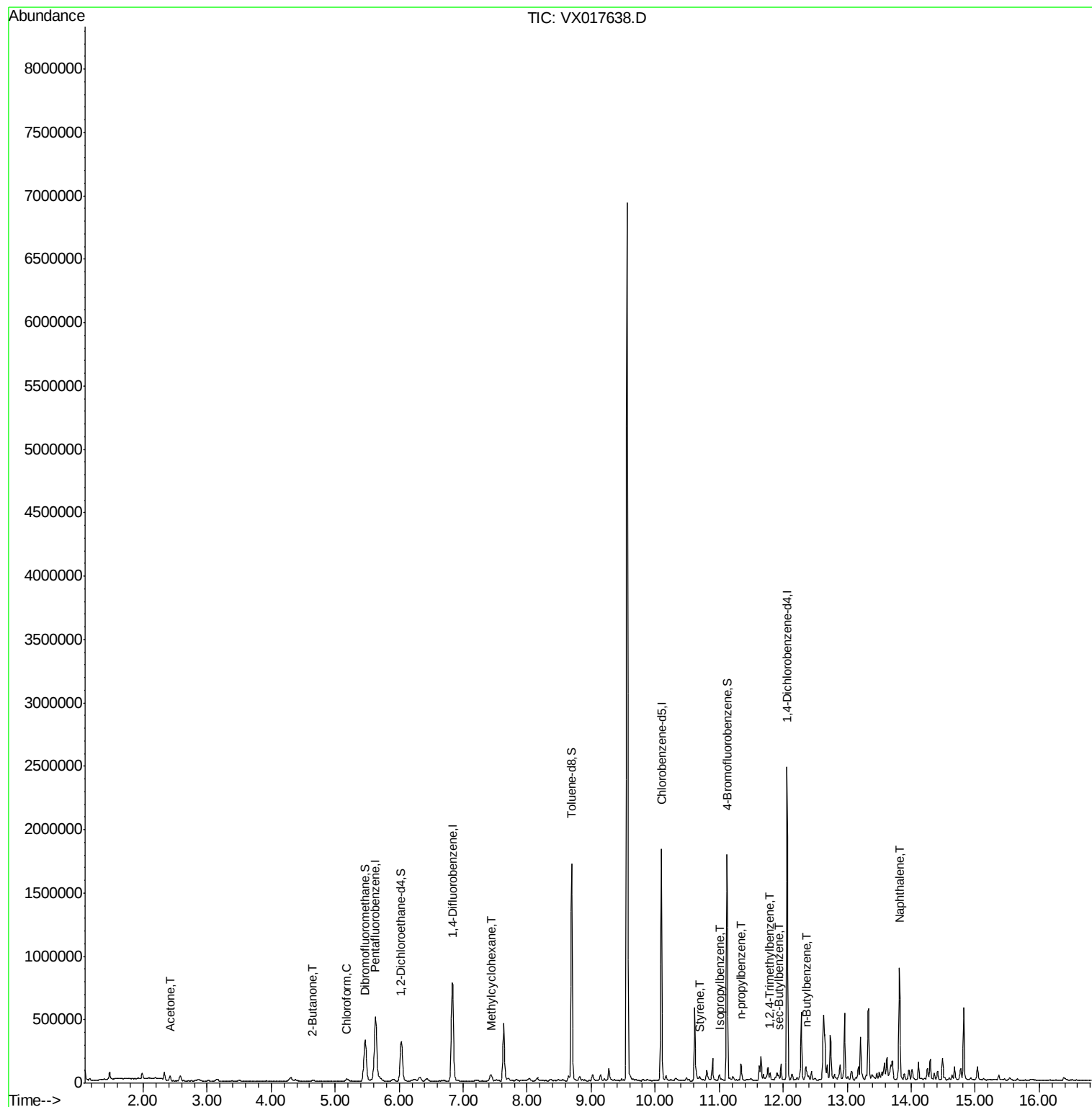
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017638.D
Acq On : 27 Jul 2020 23:29
Operator : JC/SP
Sample : L3429-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

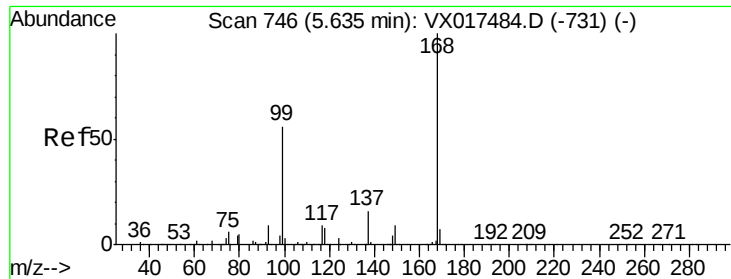
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

Manual Integrations
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MMDadoda
7/28/2020 10:07:42 AM

Quant Time: Jul 28 02:29:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

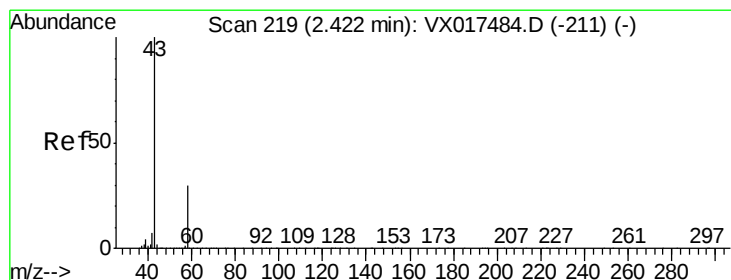
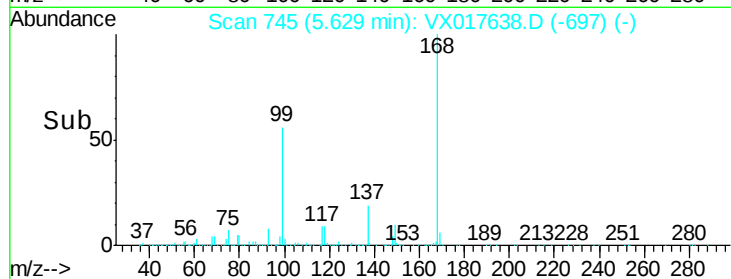
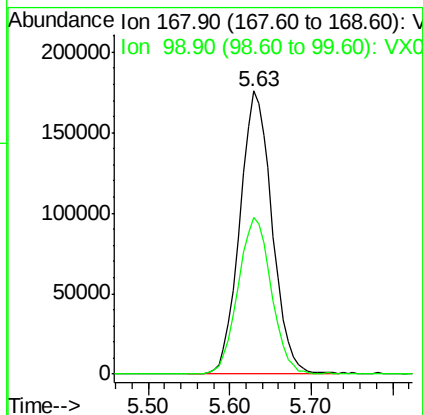
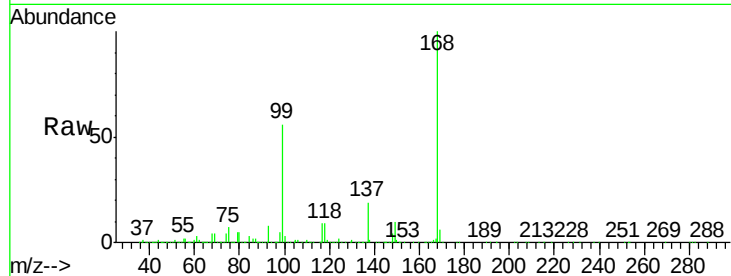
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX017638.D
 Acq: 27 Jul 2020 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Resp	Lower	Upper
168	100	482598		
99	55.4		43.4	65.2

Manual Integrations
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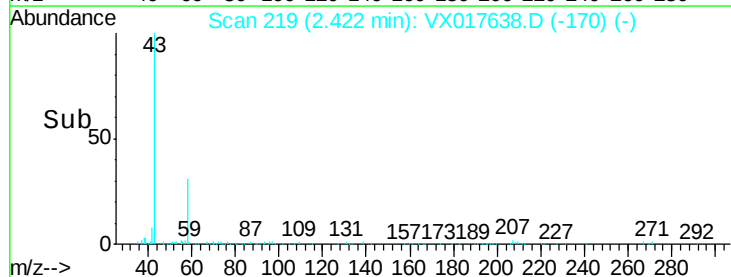
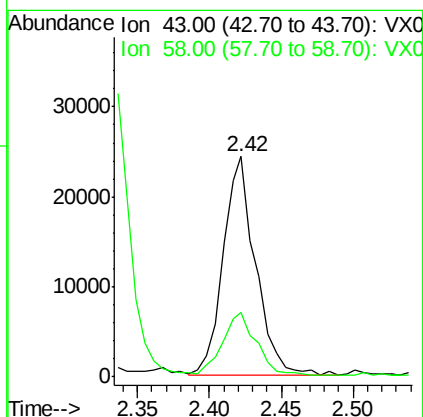
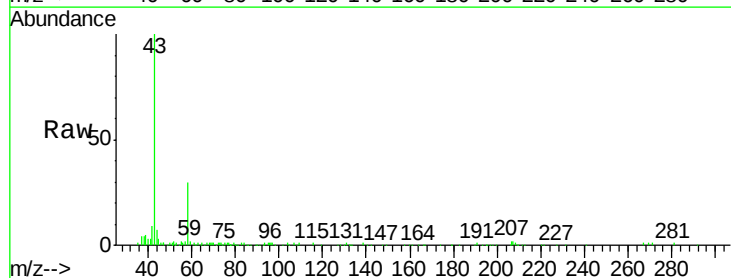
MMDadoda
 7/28/2020 10:07:42 AM

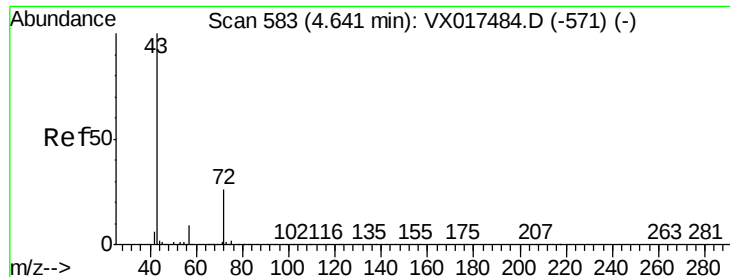


#16

Acetone
 Concen: 13.984 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX017638.D
 Acq: 27 Jul 2020 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	38156		
58	29.1		24.2	36.4





#25

2-Butanone

Concen: 2.938 ug/l m

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

Tot Ion: 43 Resp: 11387

Ion Ratio Lower Upper

43 100

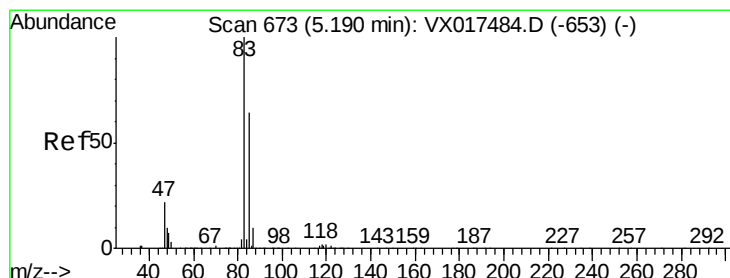
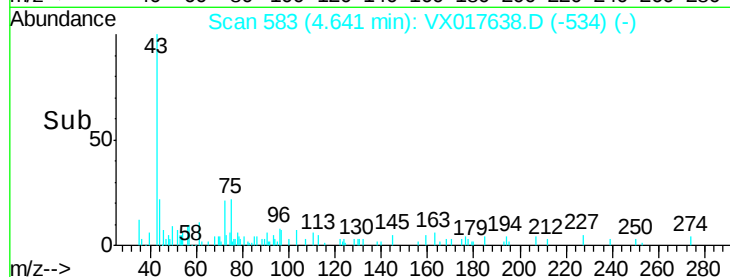
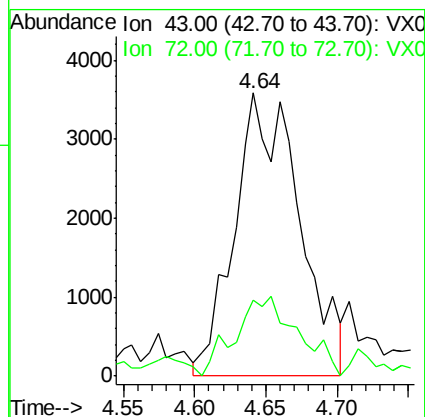
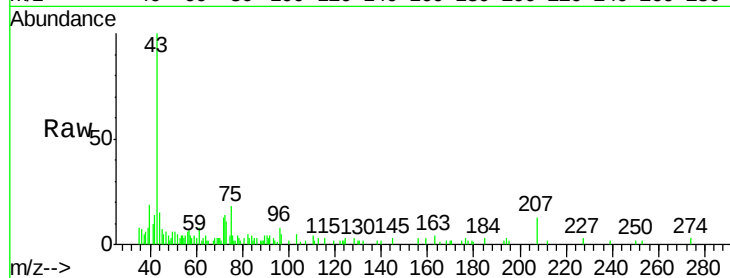
72 14.3 19.0 28.4#

Manual Integrations

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#30

Chloroform

Concen: 1.744 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.02 min

Lab File: VX017638.D

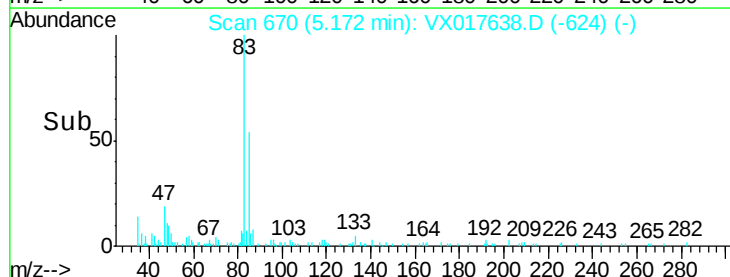
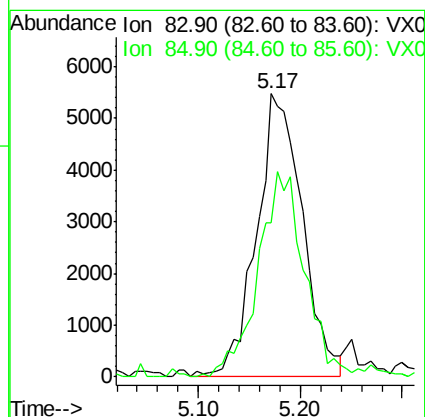
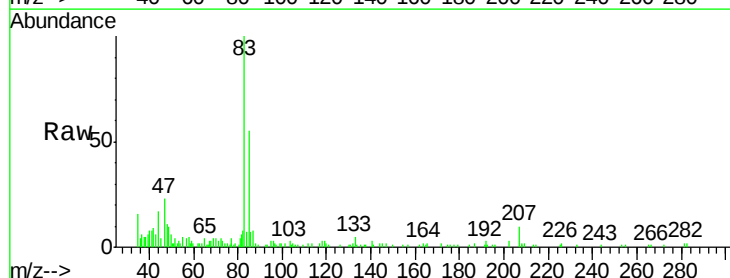
Acq: 27 Jul 2020 23:29

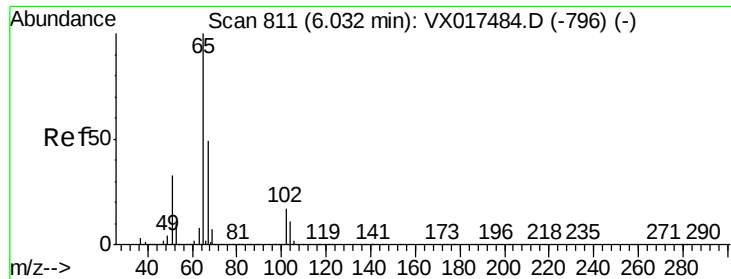
Tgt Ion: 83 Resp: 17080

Ion Ratio Lower Upper

83 100

85 54.5 51.4 77.2





#33

1,2-Dichloroethane-d4

Concen: 52.290 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

Tot Ion: 65 Resp: 324153

Ion Ratio Lower Upper

65 100

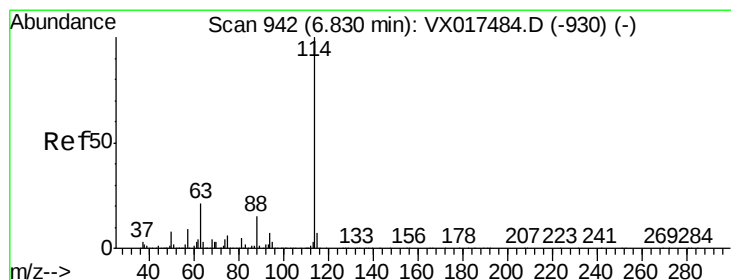
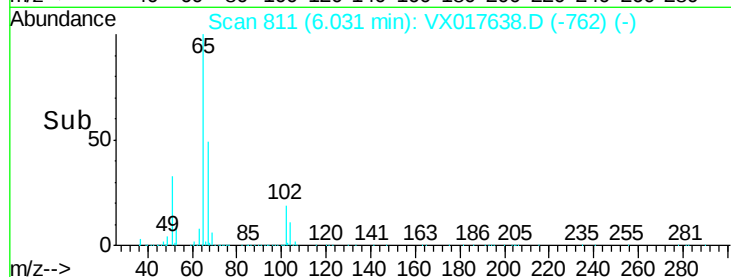
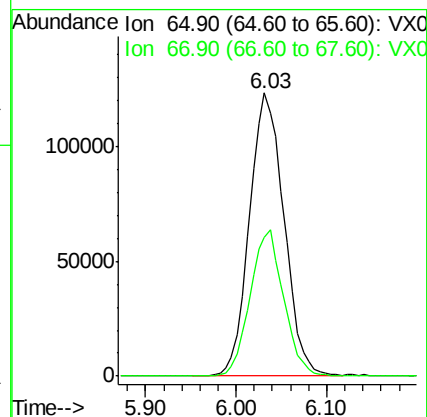
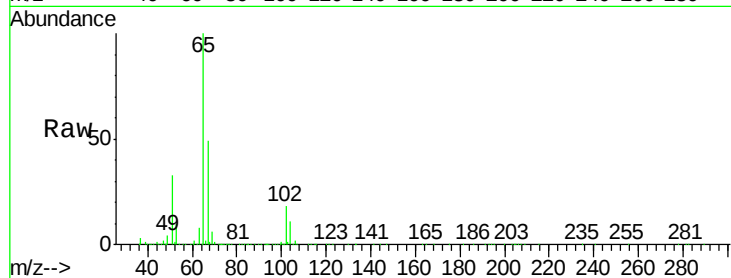
67 50.2 0.0 102.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

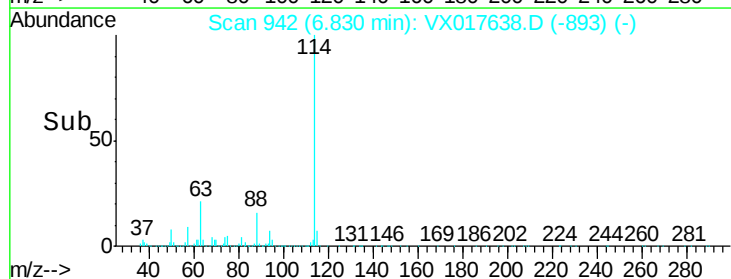
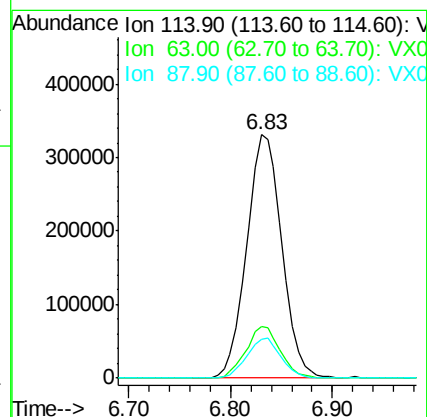
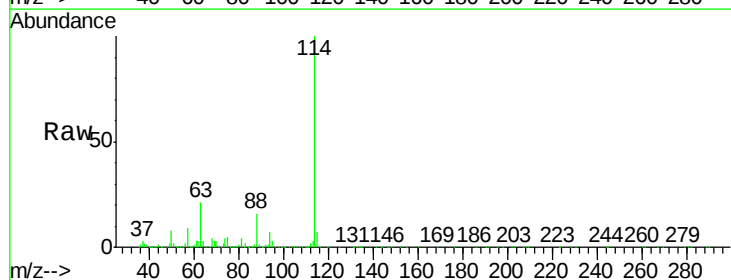
Tgt Ion: 114 Resp: 794662

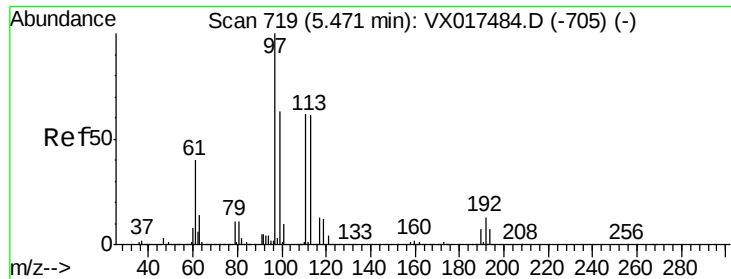
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.353 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Instrument :

MSVOA_X

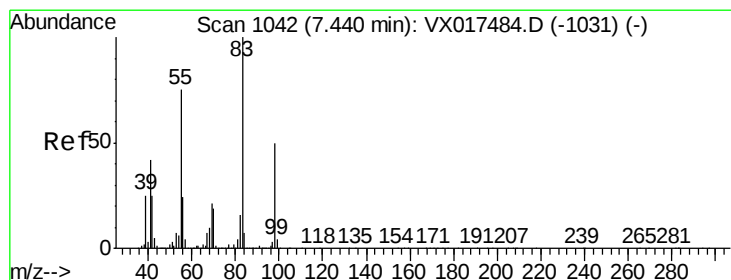
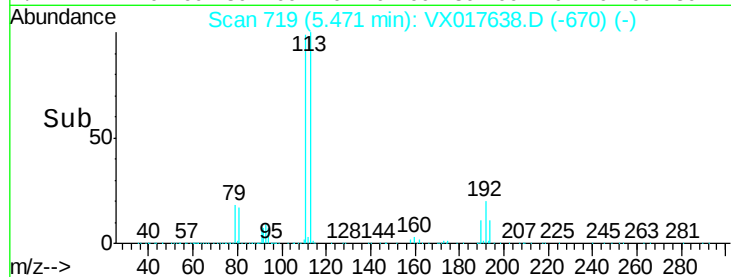
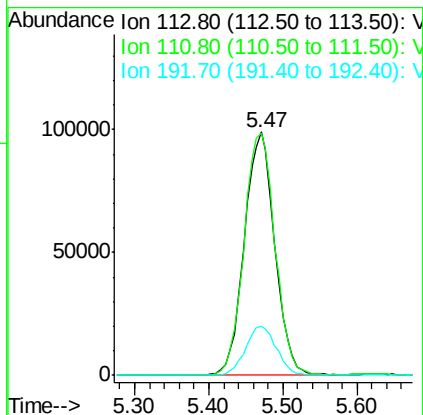
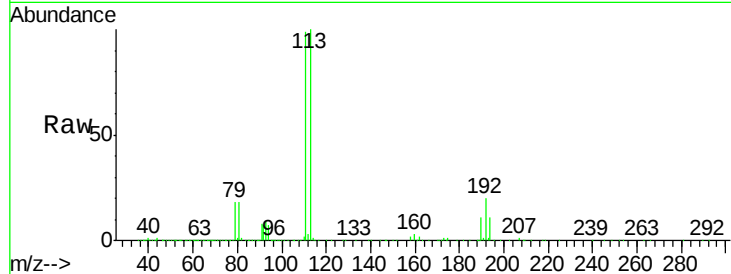
ClientSampleId :

GROUNDWATER

Tot Ion:	113	Resp:	283560
Ion Ratio	Lower	Upper	
113	100		
111	101.7	80.7	121.1
192	20.8	16.9	25.3

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#39

Methylcyclohexane

Concen: 2.458 ug/l

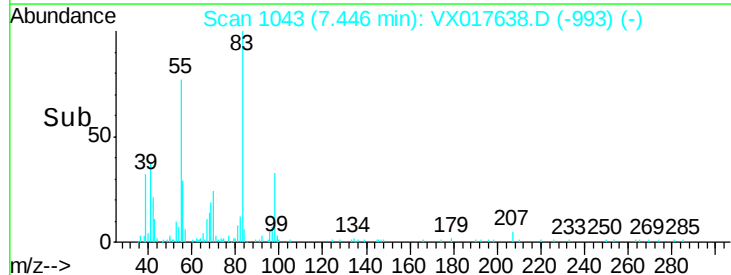
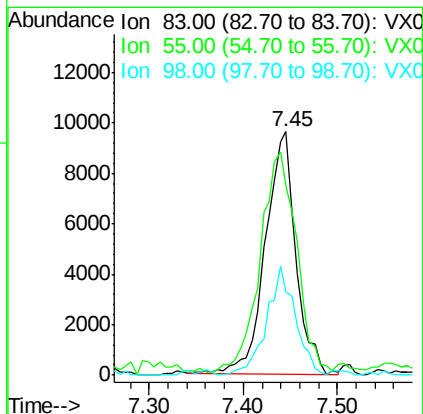
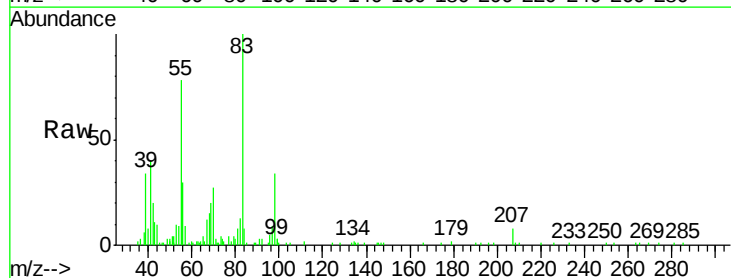
RT: 7.45 min Scan# 1043

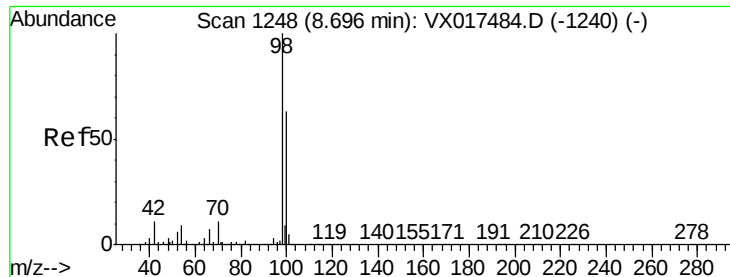
Delta R.T. 0.01 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Tgt Ion:	83	Resp:	21869
Ion Ratio	Lower	Upper	
83	100		
55	76.8	61.8	92.8
98	32.6	36.9	55.3#





#50

Toluene-d8

Concen: 52.299 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Tot Ion: 98 Resp: 1002718

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5

Instrument :

MSVOA_X

ClientSampleId :

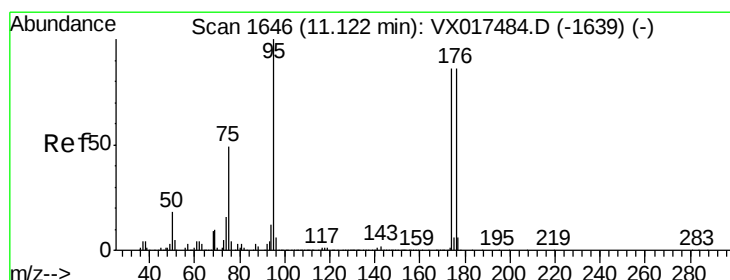
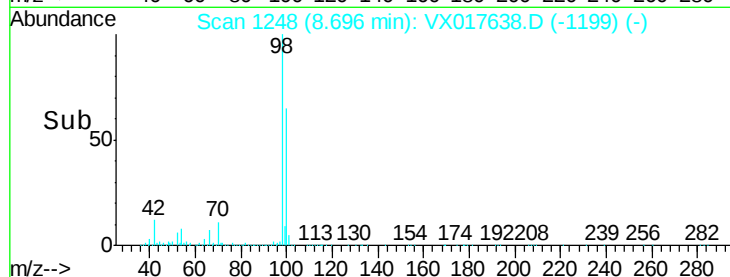
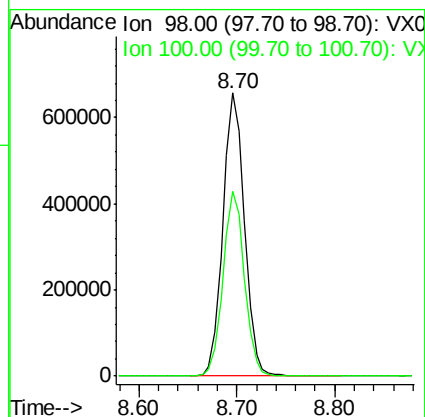
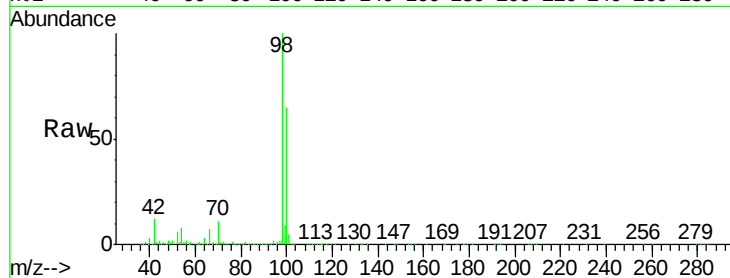
GROUNDWATER

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 59.541 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

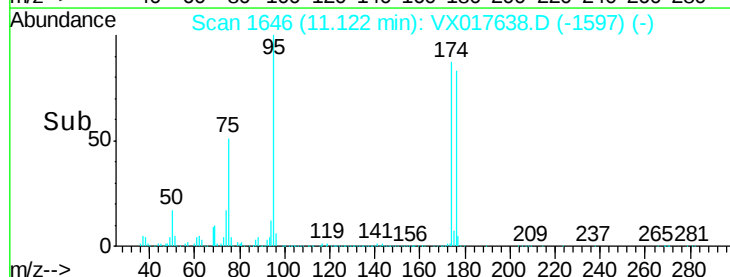
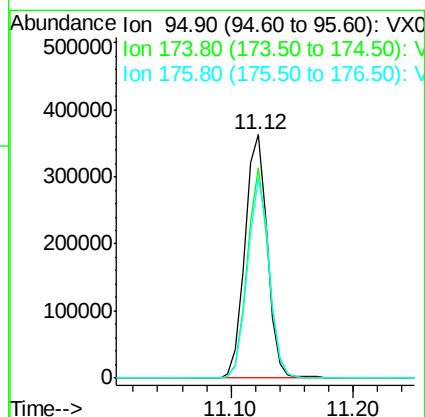
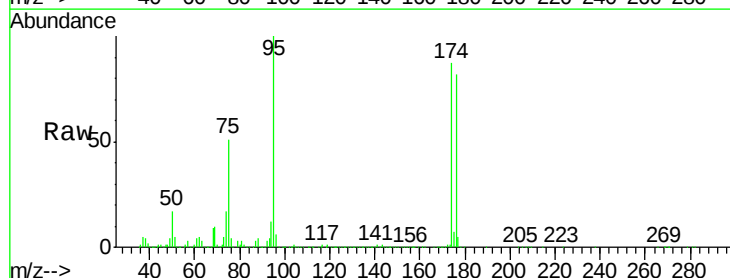
Tgt Ion: 95 Resp: 456860

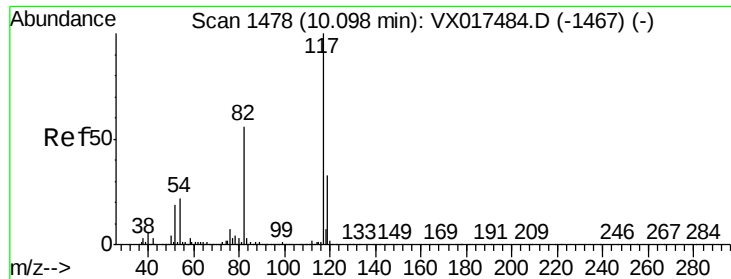
Ion Ratio Lower Upper

95 100

174 83.1 0.0 169.0

176 80.3 0.0 161.0





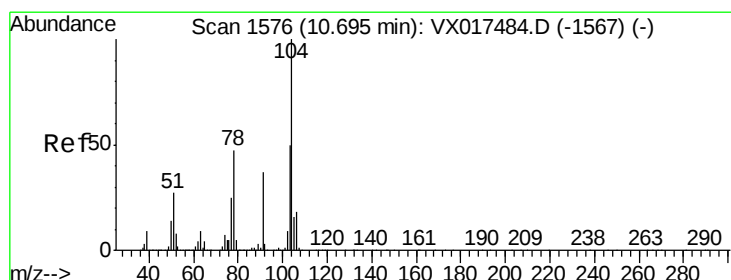
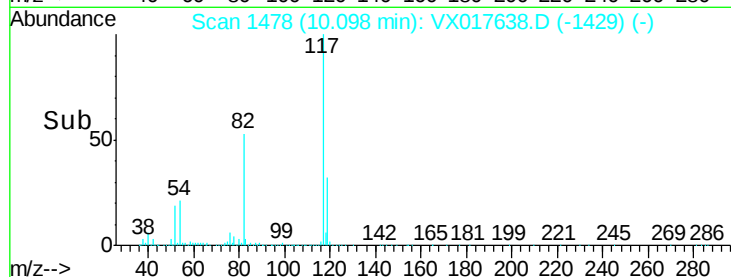
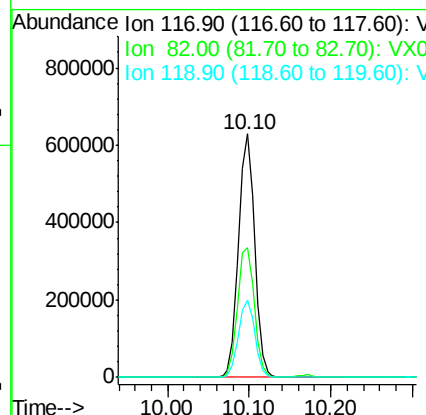
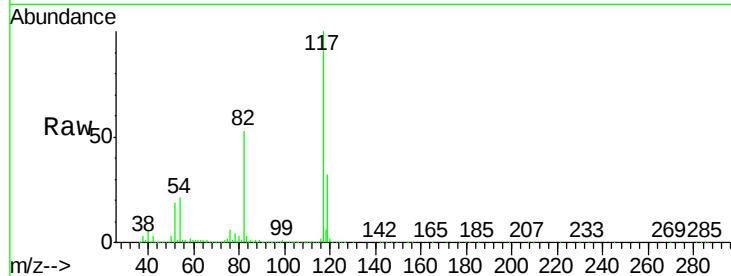
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017638.D
Acq: 27 Jul 2020 23:29

Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

Tot Ion	Ratio	Resp	Lower	Upper
117	100	847208		
82	53.0		44.0	66.0
119	31.7		25.4	38.0

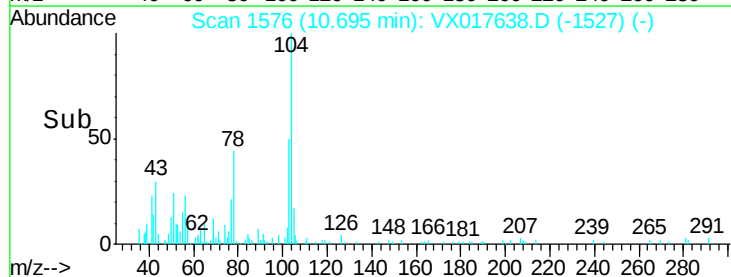
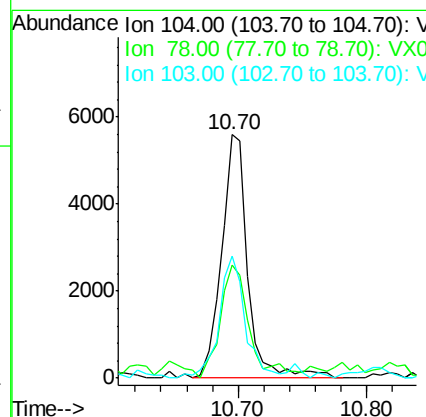
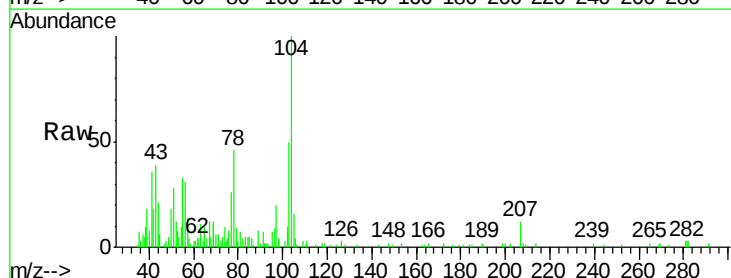
Manual Integrations
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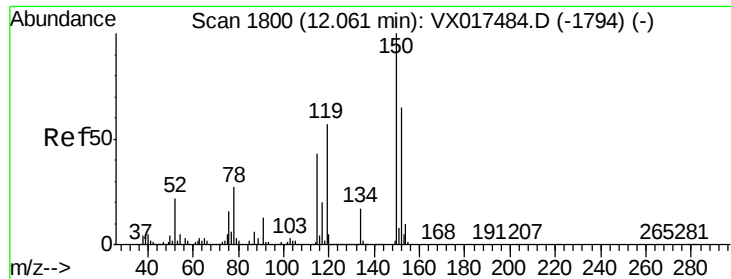
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#70
Styrene
Concen: 0.413 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017638.D
Acq: 27 Jul 2020 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	8015		
78	52.1		42.5	63.7
103	49.7		44.3	66.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

Tot Ion:152 Resp: 477054
Ion Ratio Lower Upper

152 100

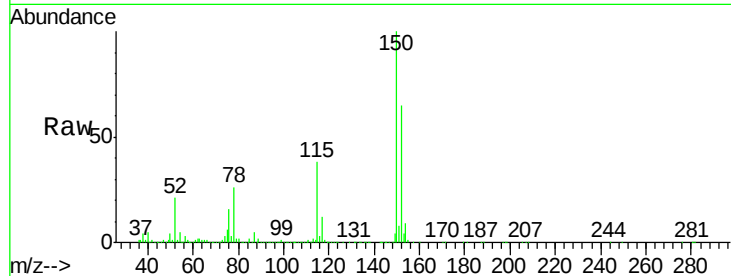
115 58.5 65.5 196.6#

150 158.1 0.0 412.6

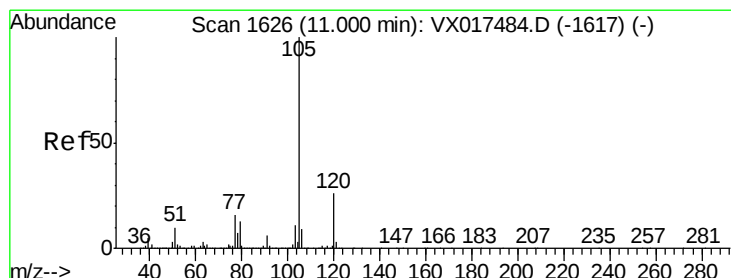
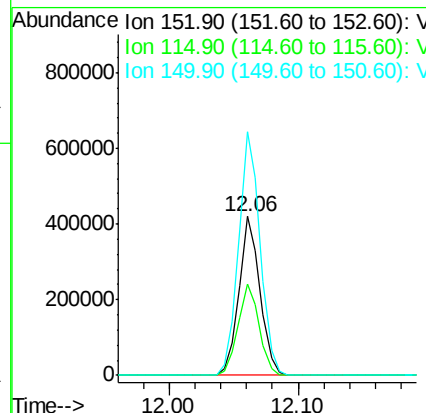
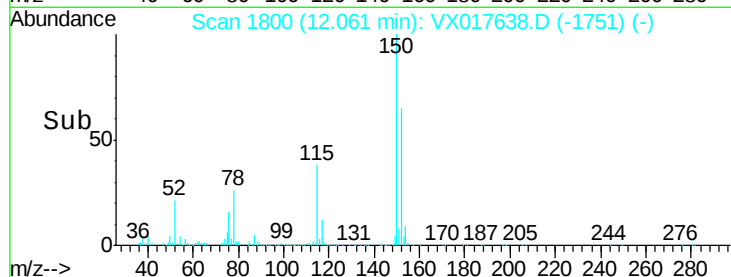
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.730 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

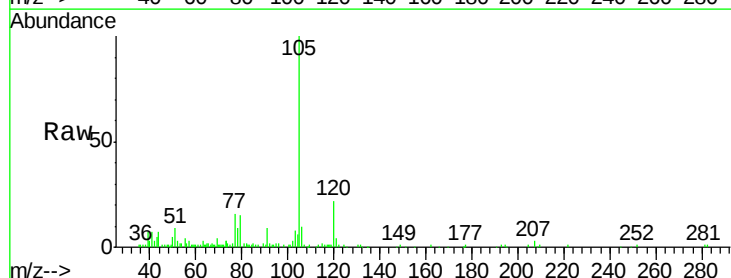
Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

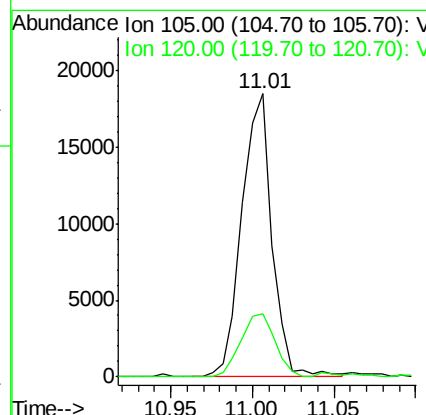
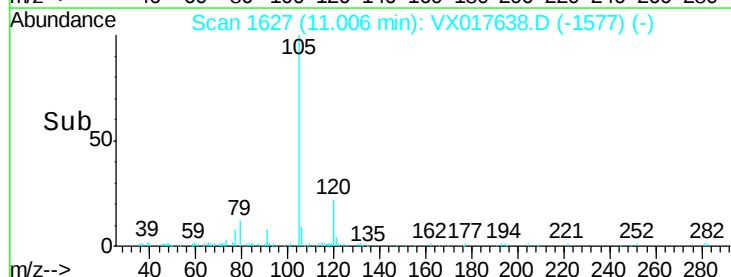
Tgt Ion:105 Resp: 23894
Ion Ratio Lower Upper

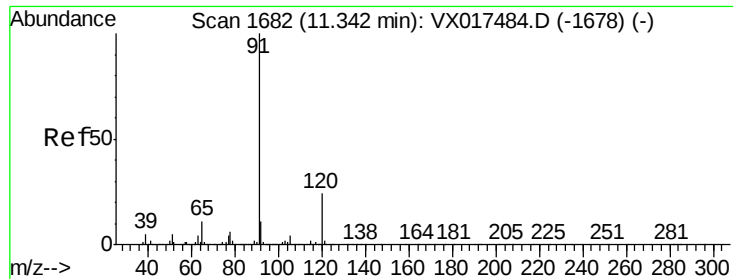
105 100

120 25.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.025 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

Tot Ion: 91 Resp: 74731

Ion Ratio Lower Upper

91 100

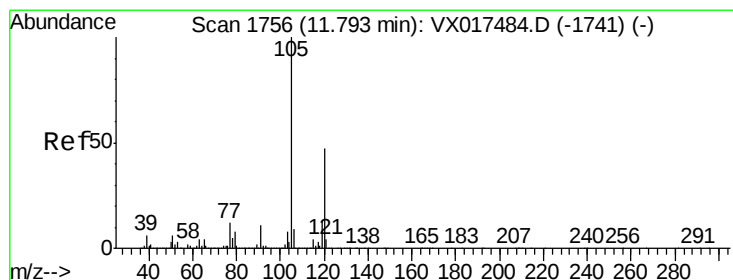
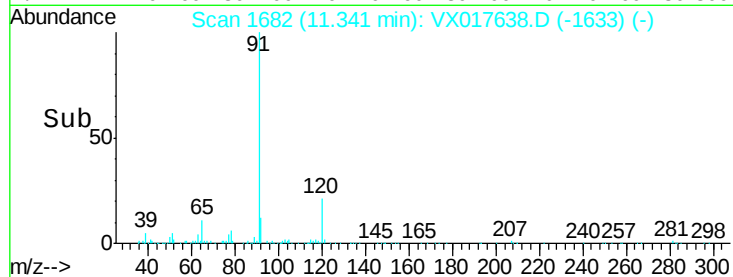
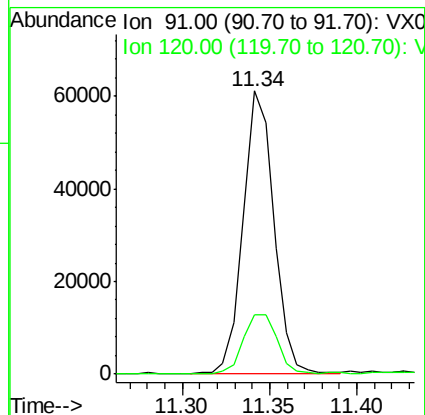
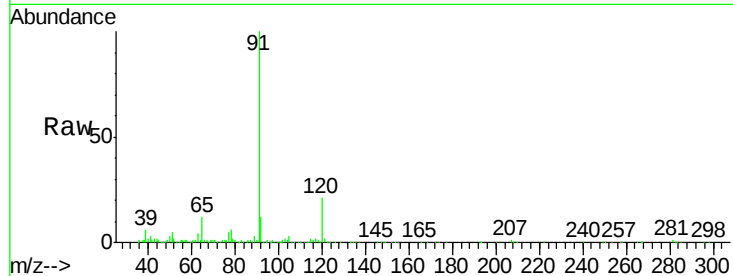
120 24.4 12.2 36.4

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 0.268 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017638.D

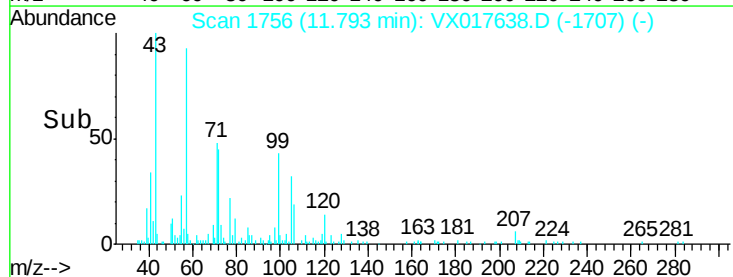
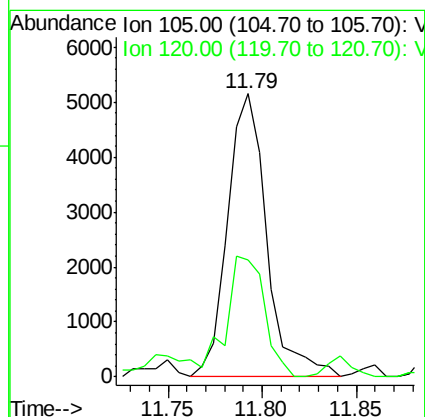
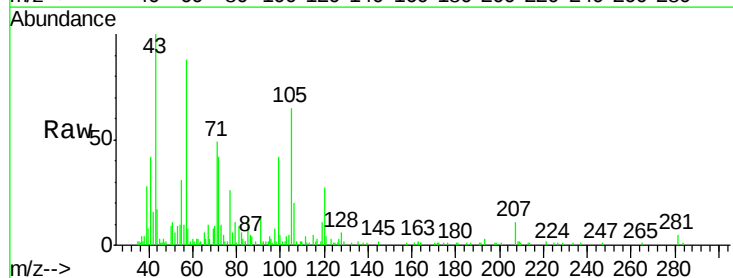
Acq: 27 Jul 2020 23:29

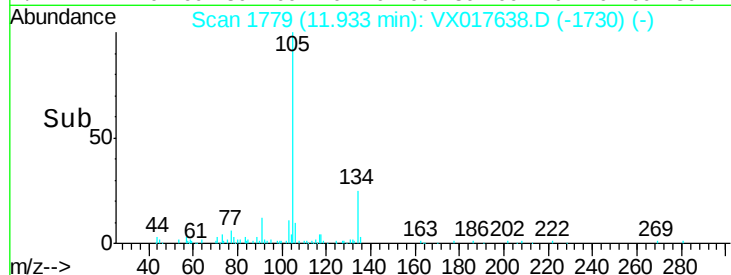
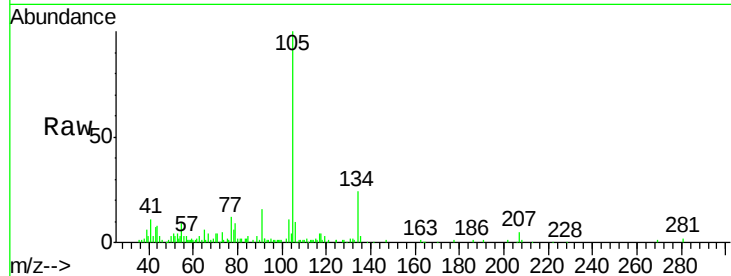
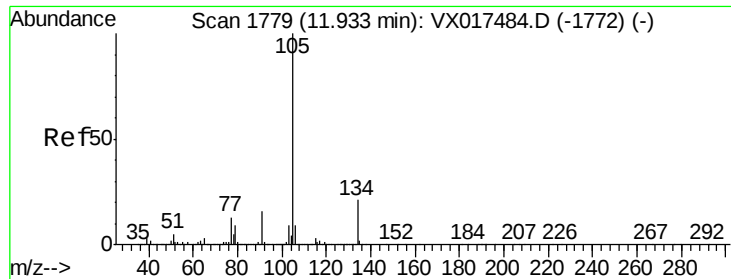
Tgt Ion: 105 Resp: 7446

Ion Ratio Lower Upper

105 100

120 41.0 22.7 68.0





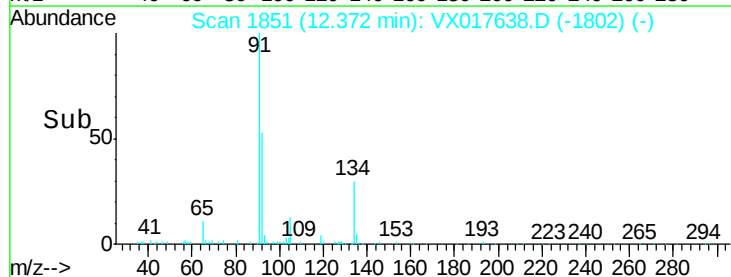
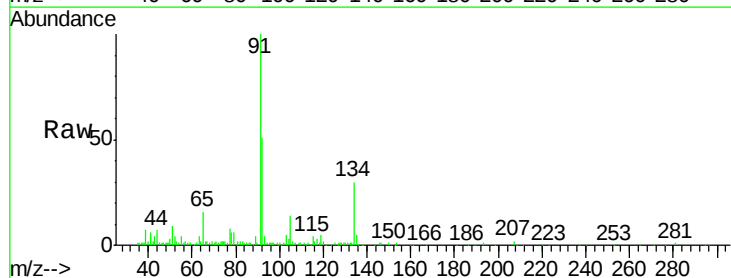
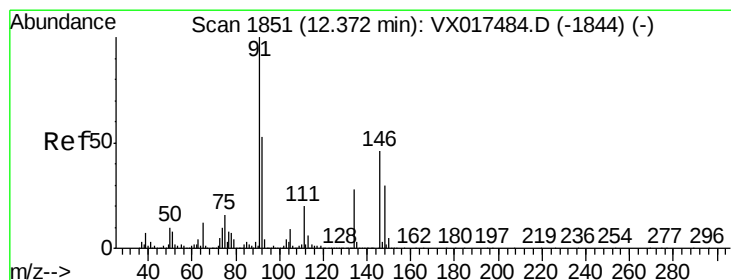
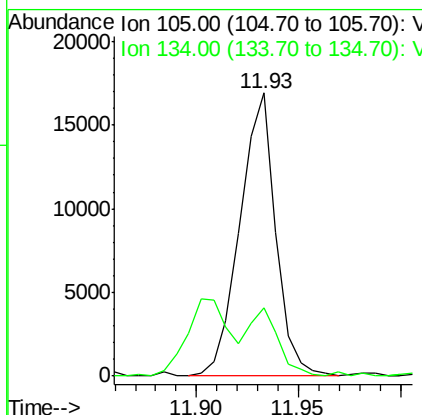
#85
 sec-Butylbenzene
 Concen: 0.664 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX017638.D
 Acq: 27 Jul 2020 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.4	31.2

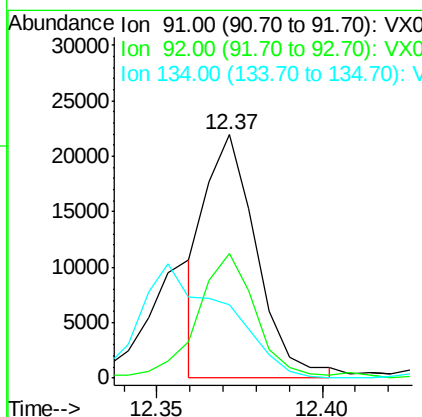
Manual Integrations
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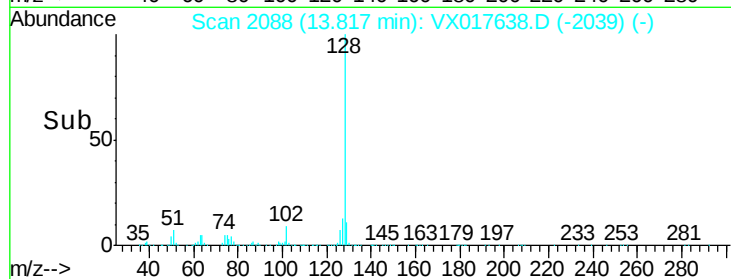
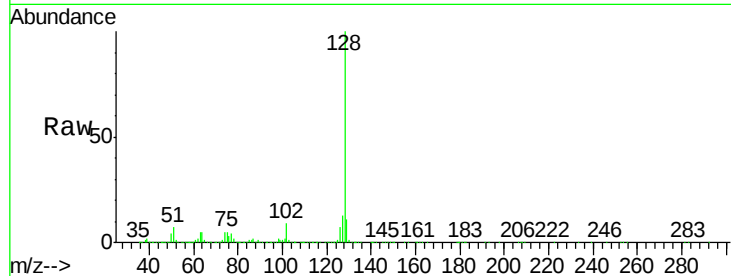
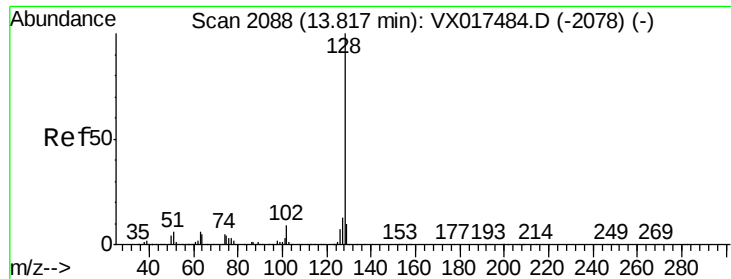
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#89
 n-Butylbenzene
 Concen: 0.896 ug/l m
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX017638.D
 Acq: 27 Jul 2020 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	26.7	80.1
134	78.5	13.6	40.7#





#95

Naphthalene

Concen: 16.313 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017638.D

Acq: 27 Jul 2020 23:29

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

Tot Ion:	128	Resp:	513935
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.7	8.9	13.3

Manual Integrations
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