

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009361.D
 Acq On : 06 May 2019 19:23
 Operator : JC/SP
 Sample : K2674-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SV28545L

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:42:02 AM

Quant Time: May 07 11:11:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	182772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	258501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113804	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119287	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.50	113	88741	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	8.71	98	367875	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	122346	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	28508	21.279	ug/l	99
25) 2-Butanone	4.69	43	7722	3.709	ug/l	95
39) Methylcyclohexane	7.46	83	1363	0.409	ug/l #	73
52) Toluene	8.79	92	1864	0.365	ug/l	96
67) Ethyl Benzene	10.25	91	3799	0.399	ug/l	95
68) m/p-Xylenes	10.35	106	7515	2.161	ug/l	97
69) o-Xylene	10.69	106	8688	2.532	ug/l	98
73) Isopropylbenzene	11.02	105	2192	0.265	ug/l	96
78) n-propylbenzene	11.36	91	3094	0.327	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	13461	1.932	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	39138	5.596	ug/l	98
85) sec-Butylbenzene	11.94	105	2349	0.292	ug/l	81
86) p-Isopropyltoluene	12.06	119	2479m	0.343	ug/l	
95) Naphthalene	13.83	128	6457	0.778	ug/l #	86

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

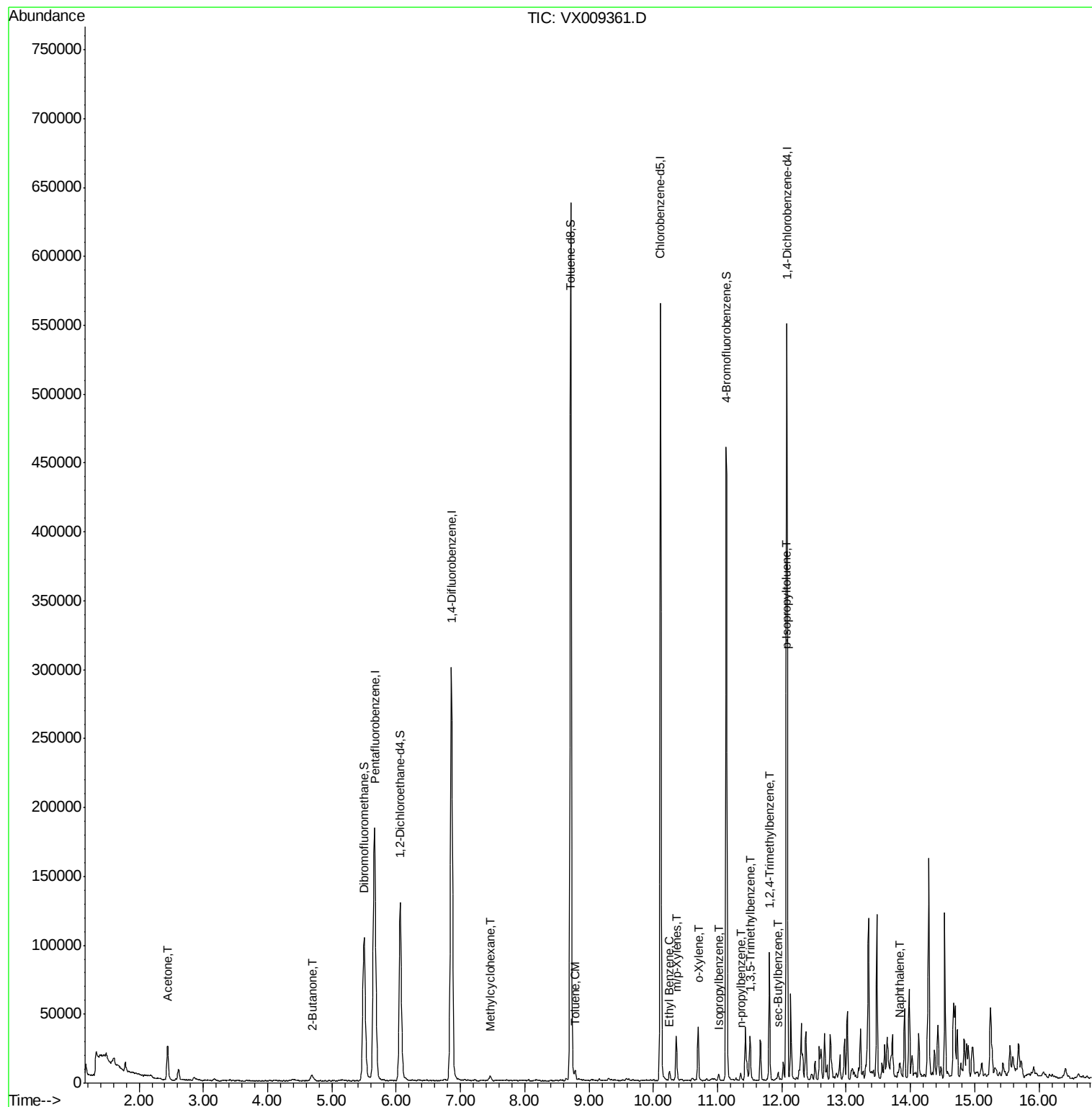
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050619\
Data File : VX009361.D
Acq On : 06 May 2019 19:23
Operator : JC/SP
Sample : K2674-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

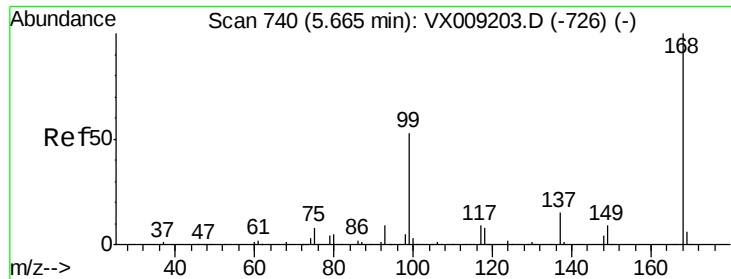
Instrument :
MSVOA_X
ClientSampleId :
SV28545L

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5/7/2019 9:42:02 AM

Quant Time: May 07 11:11:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009361.D

Acq: 06 May 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

SV28545L

Tot Ion:168 Resp: 182772

Ion Ratio Lower Upper

168 100

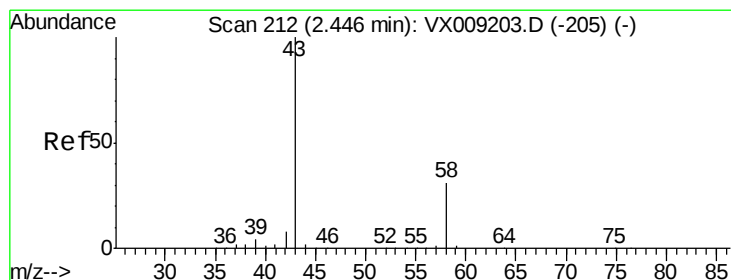
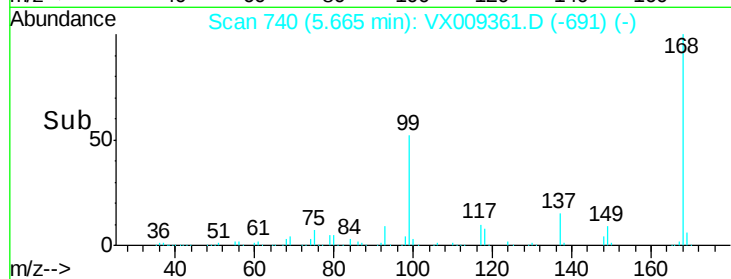
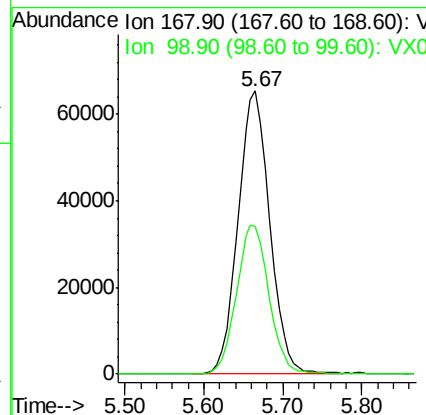
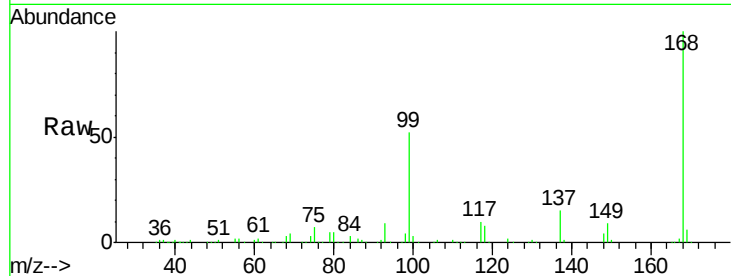
99 52.3 42.3 63.5

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#16

Acetone

Concen: 21.279 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009361.D

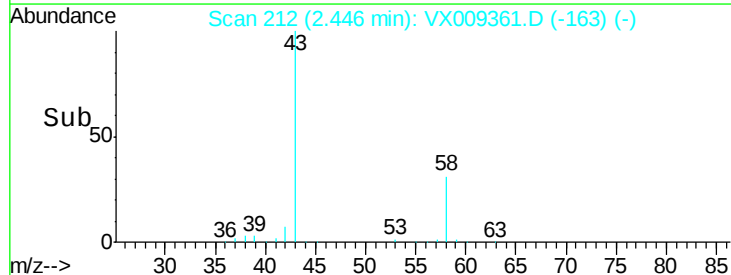
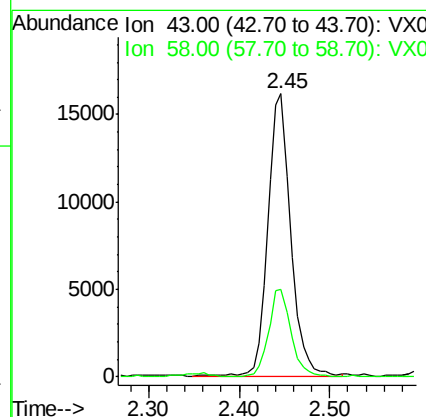
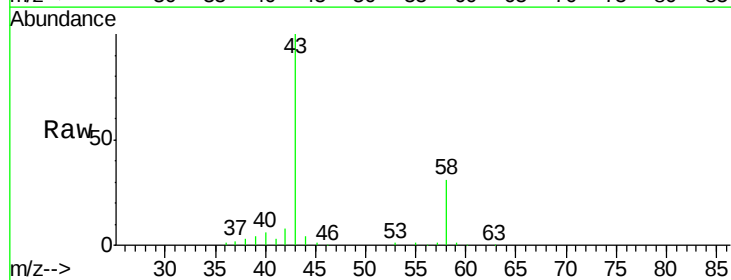
Acq: 06 May 2019 19:23

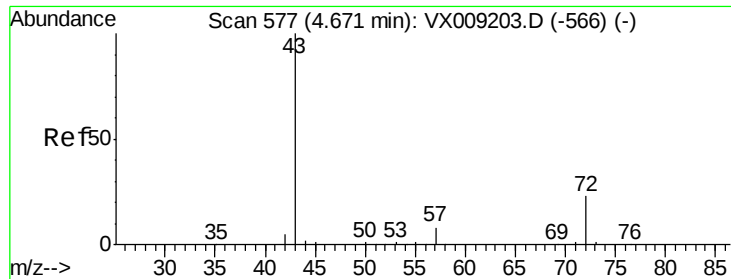
Tgt Ion: 43 Resp: 28508

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3





#25

2-Butanone

Concen: 3.709 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009361.D

Acq: 06 May 2019 19:23

Instrument :

MSVOA_X

ClientSampled :

SV28545L

Tot Ion: 43 Resp: 7722

Ion Ratio Lower Upper

43 100

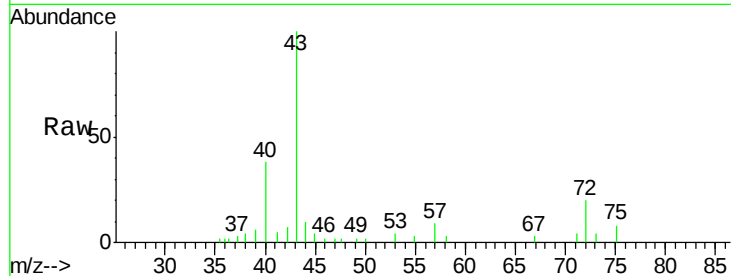
72 20.2 18.2 27.2

Manual Integrations

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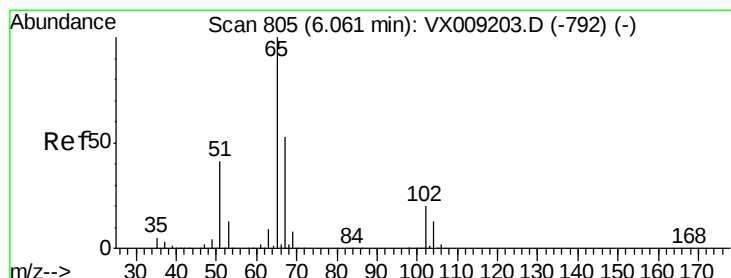
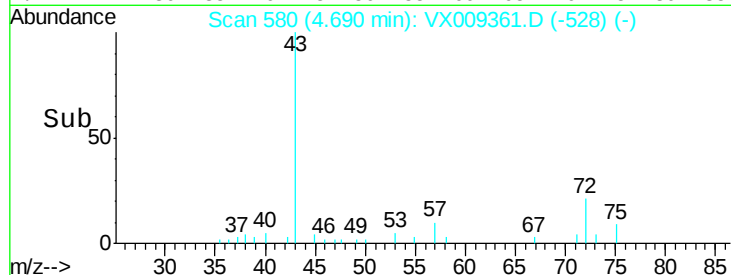
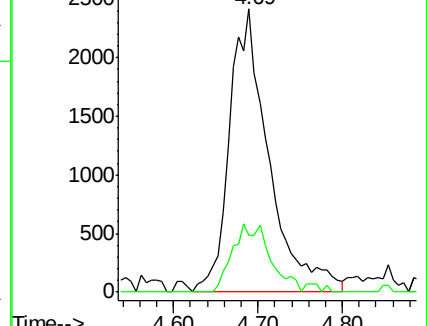
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.809 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009361.D

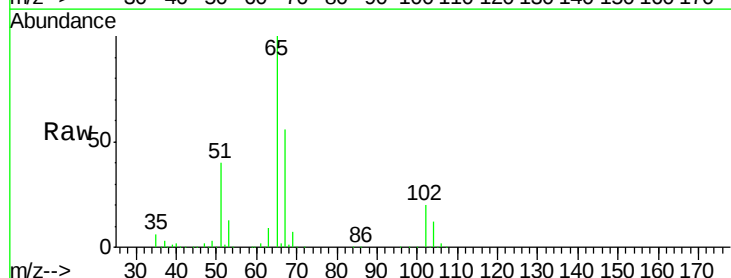
Acq: 06 May 2019 19:23

Tgt Ion: 65 Resp: 119287

Ion Ratio Lower Upper

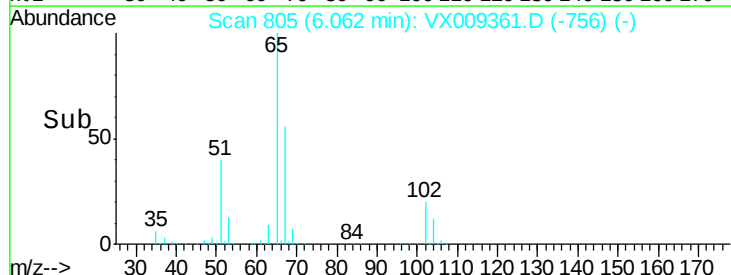
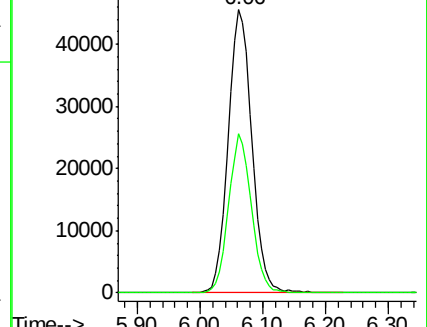
65 100

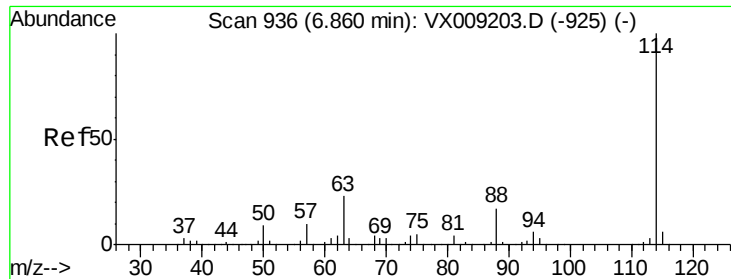
67 54.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





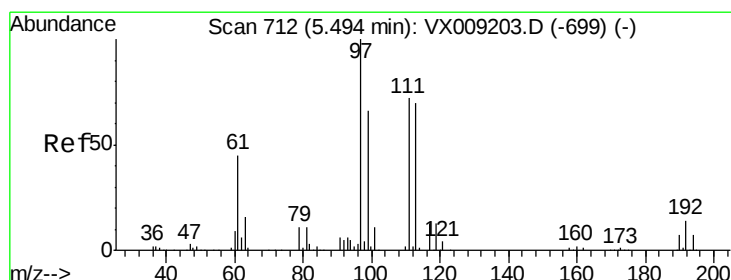
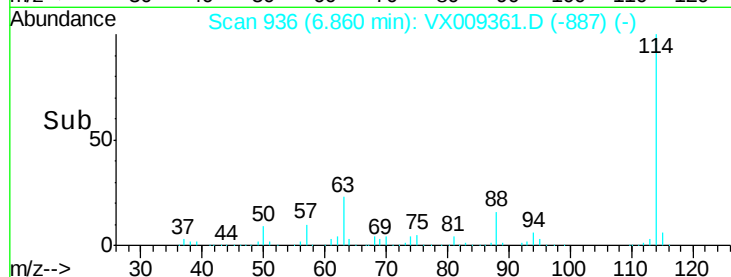
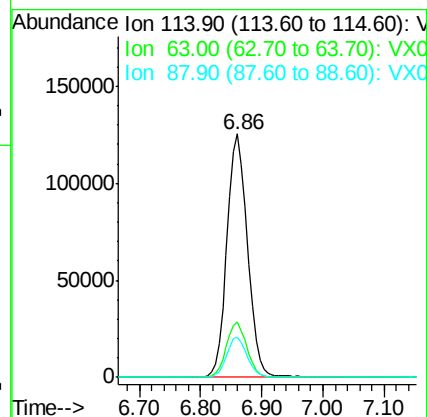
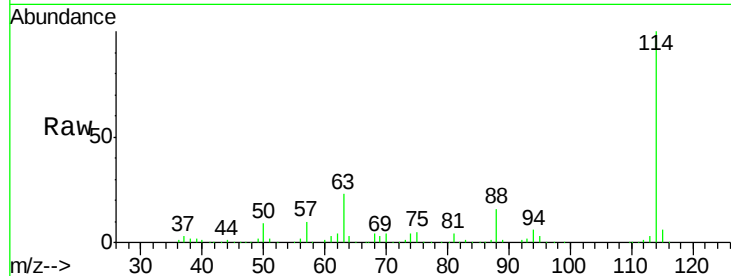
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
SV28545L

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.7	0.0	45.6
88	16.5	0.0	33.2

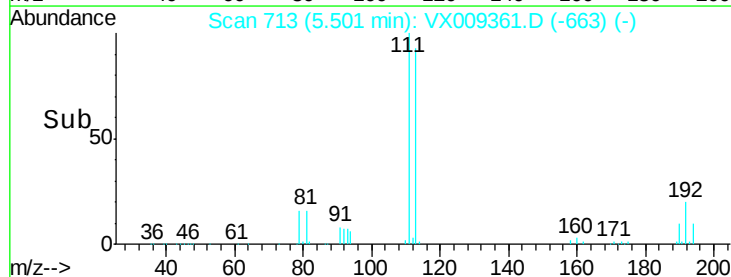
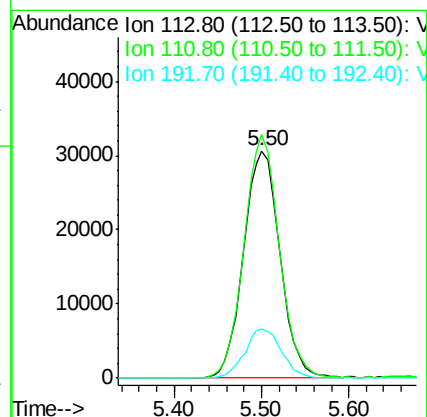
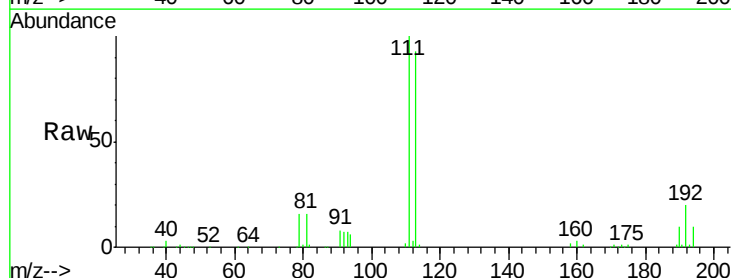
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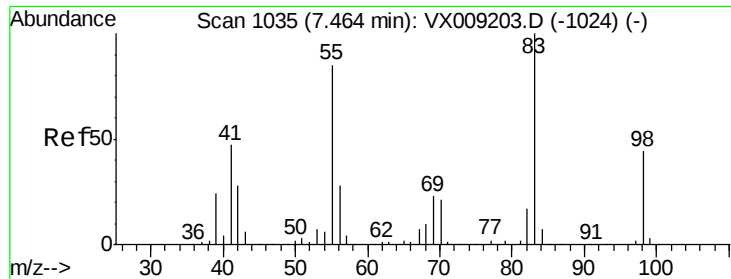
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#35
Dibromofluoromethane
Concen: 48.384 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	104.0	82.8	124.2
192	21.9	17.0	25.6





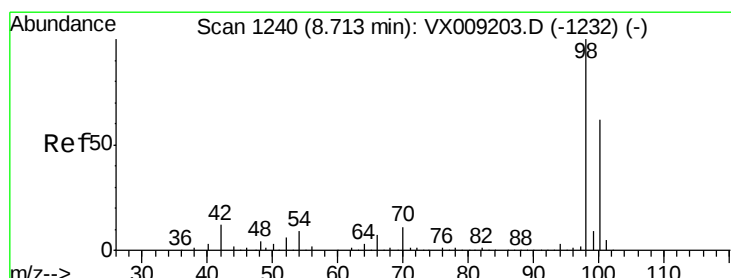
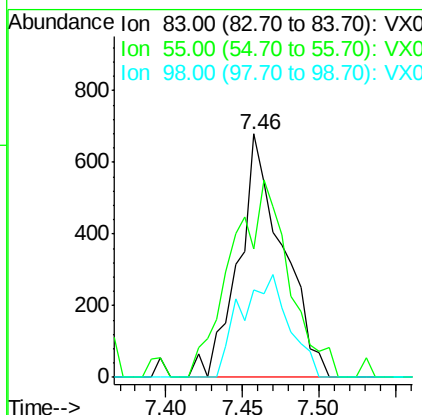
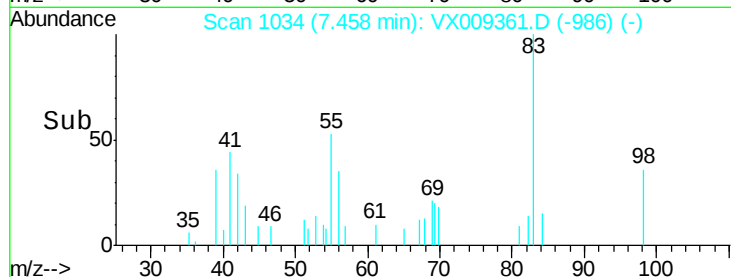
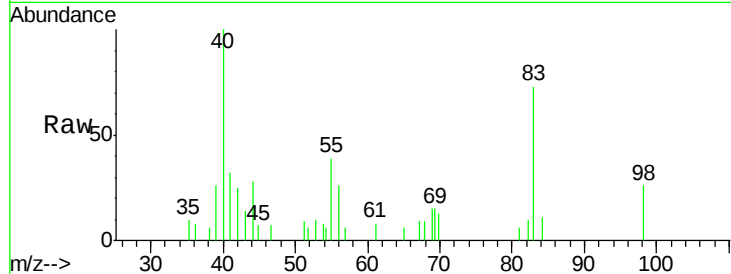
#39
Methvlcvclohexane
Concen: 0.409 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
SV28545L

Tot Ion: 83 Resp: 1363
Ion Ratio Lower Upper
83 100
55 53.0 67.7 101.5#
98 36.1 35.5 53.3

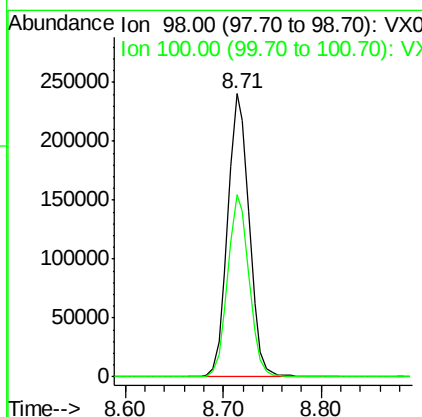
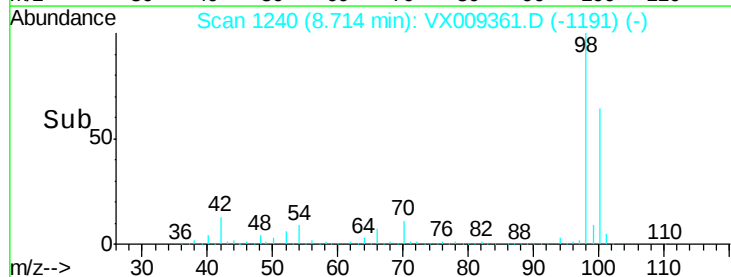
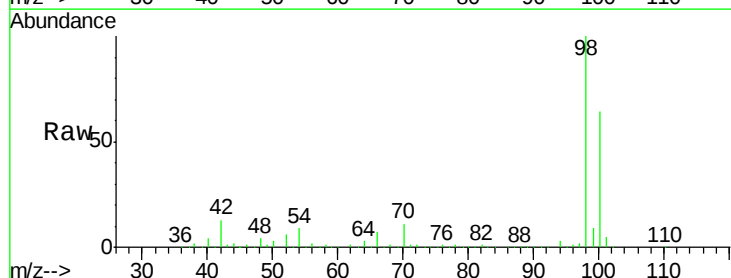
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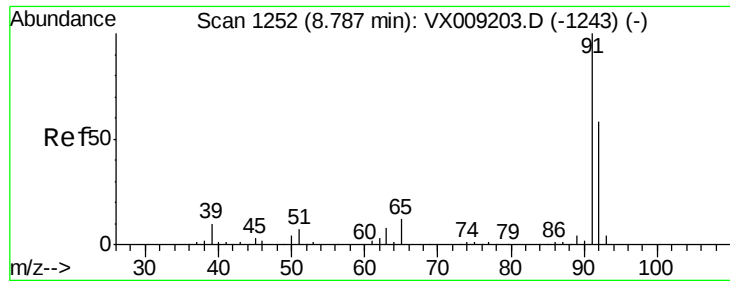
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#50
Toluene-d8
Concen: 49.681 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Tgt Ion: 98 Resp: 367875
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#52

Toluene

Concen: 0.365 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009361.D

Acq: 06 May 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

SV28545L

Tot Ion: 92 Resp: 1864

Ion Ratio Lower Upper

92 100

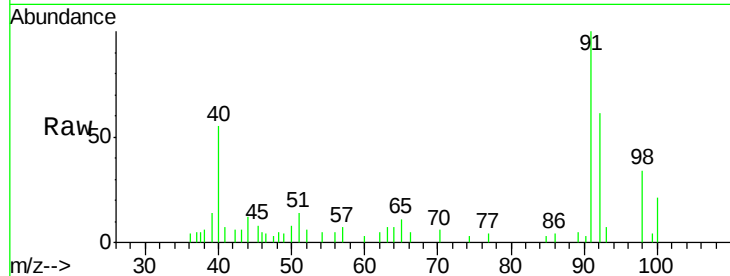
91 167.8 138.8 208.2

Manual Integrations

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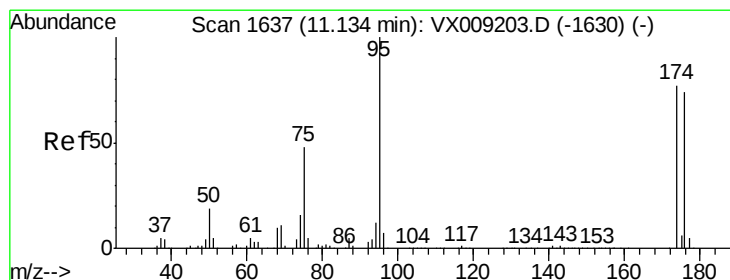
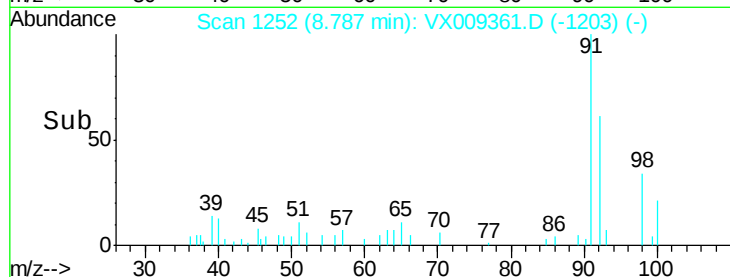
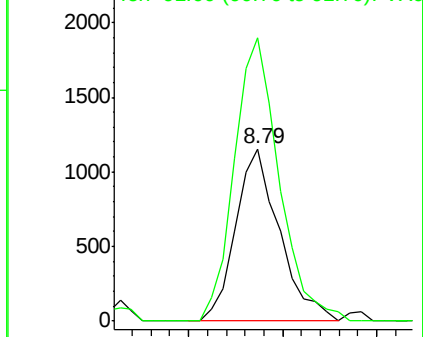
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.472 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009361.D

Acq: 06 May 2019 19:23

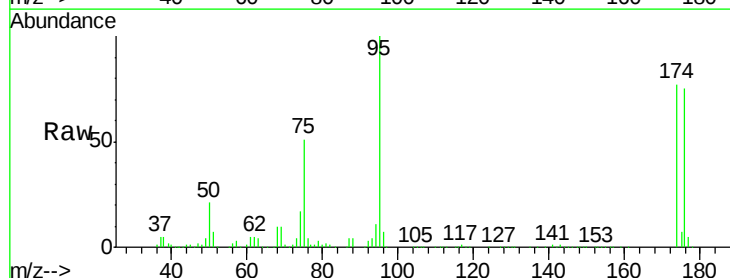
Tgt Ion: 95 Resp: 122346

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

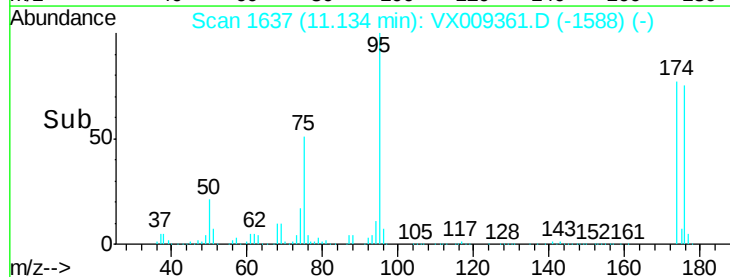
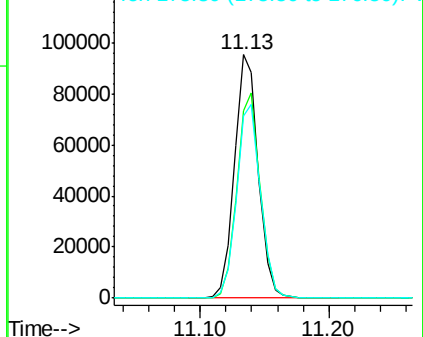
176 80.1 0.0 159.2

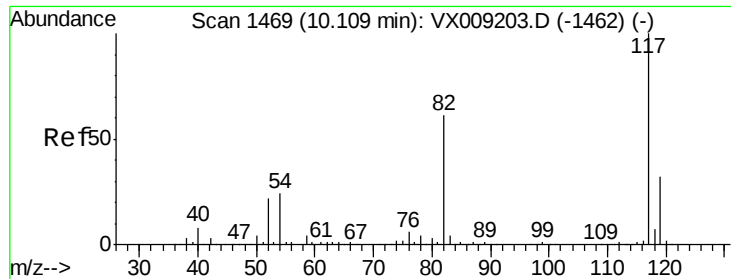


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





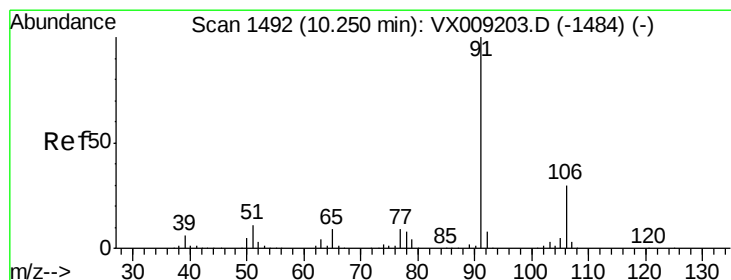
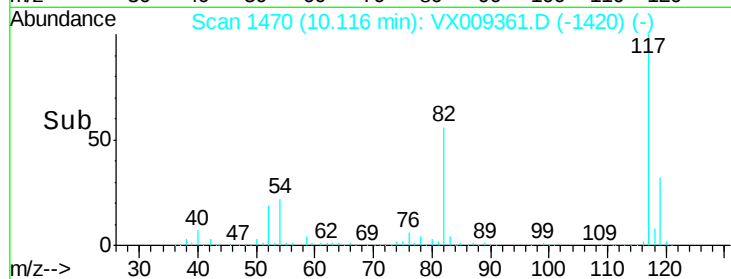
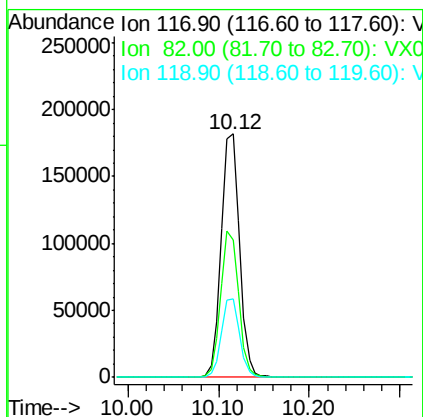
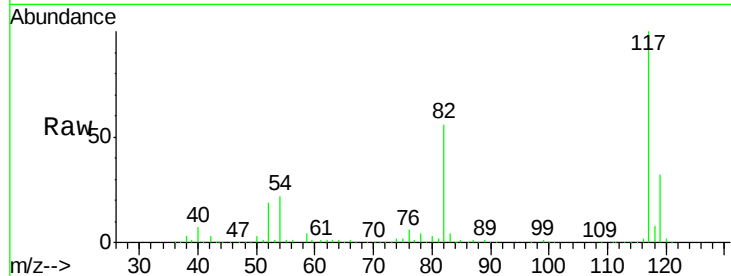
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Instrument :
MSVOA_X
ClientSampled :
SV28545L

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	48.8	73.2
119	32.4	25.8	38.6

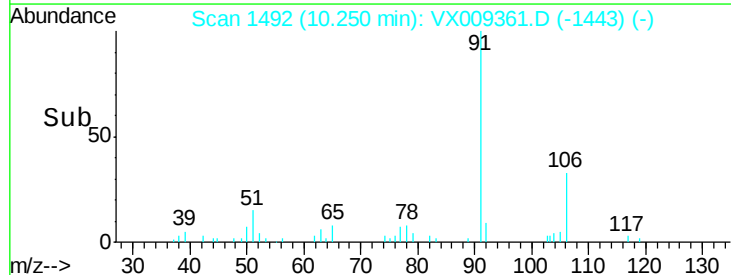
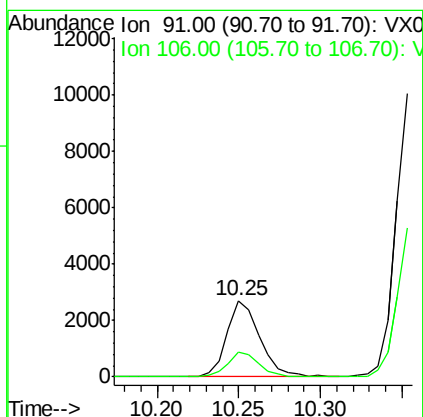
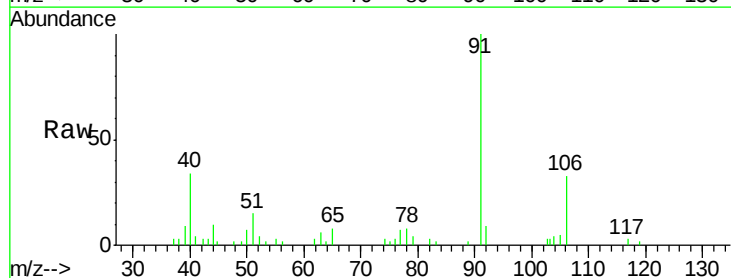
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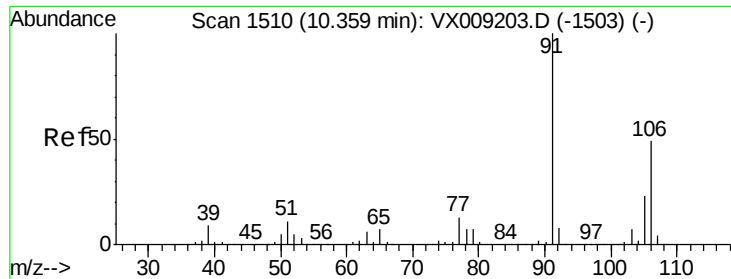
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#67
Ethyl Benzene
Concen: 0.399 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.0	36.0





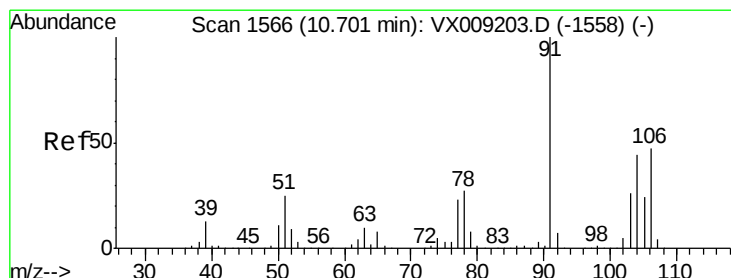
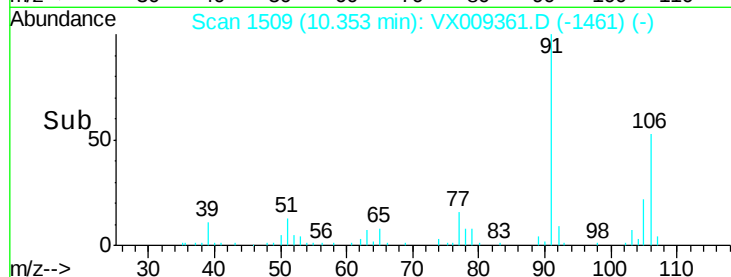
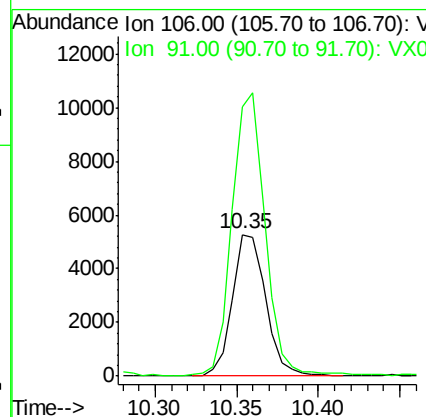
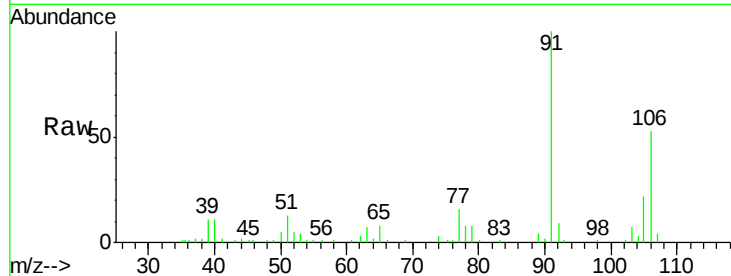
#68
m/p-Xvlenes
Concen: 2.161 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
SV28545L

Tot Ion:106 Resp: 7515
Ion Ratio Lower Upper
106 100
91 199.9 164.0 246.0

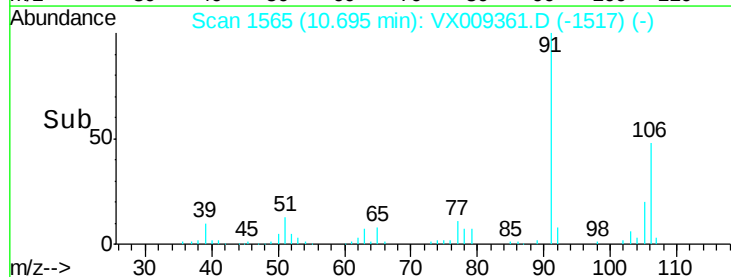
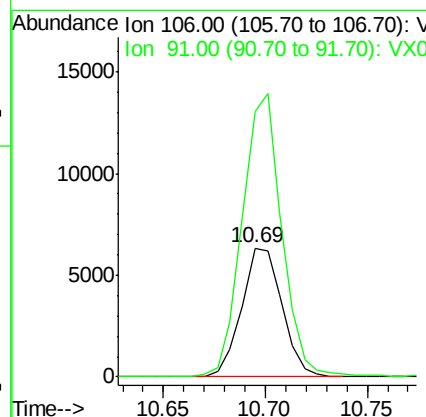
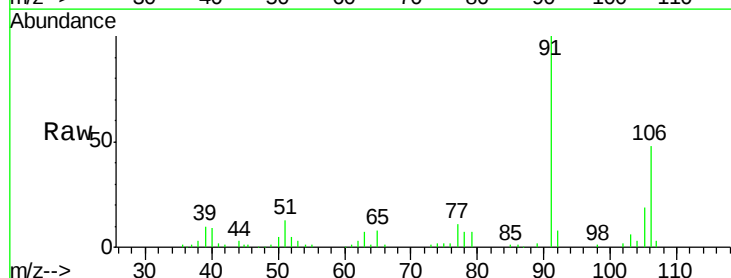
Manual Integrations
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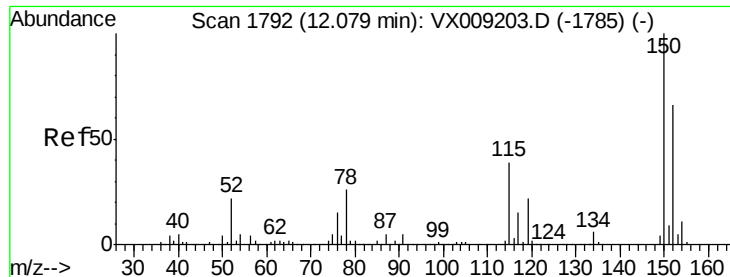
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#69
o-Xylene
Concen: 2.532 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Tgt Ion:106 Resp: 8688
Ion Ratio Lower Upper
106 100
91 216.4 109.5 328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009361.D

Acq: 06 May 2019 19:23

Instrument :

MSVOA_X

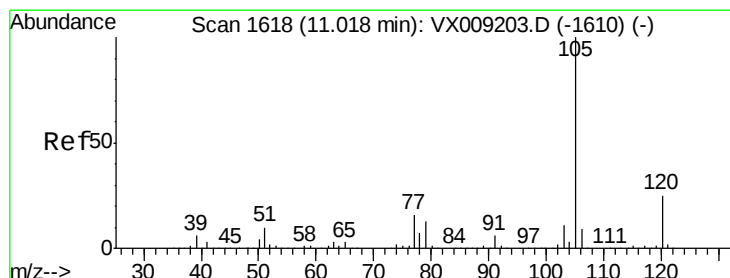
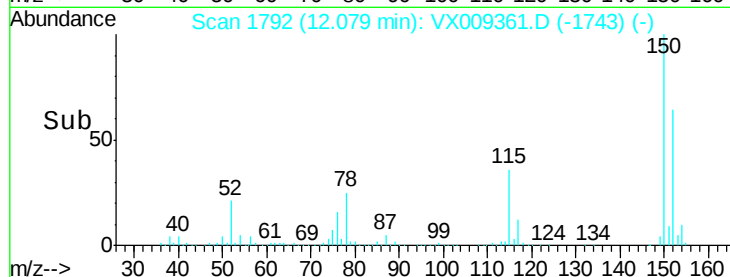
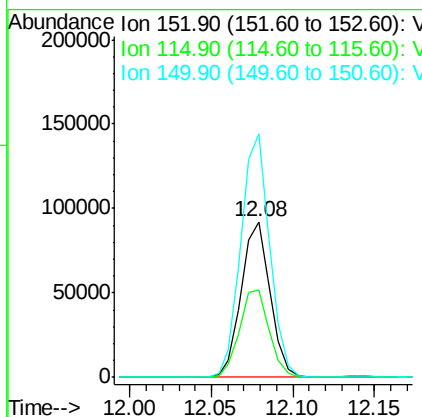
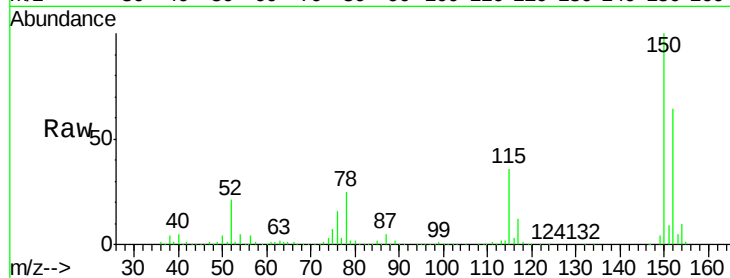
ClientSampleId :

SV28545L

Tot Ion:	152	Resp:	113804
Ion Ratio	Lower	Upper	
152	100		
115	58.0	41.2	123.6
150	156.8	0.0	346.4

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#73

Isopropylbenzene

Concen: 0.265 ug/l

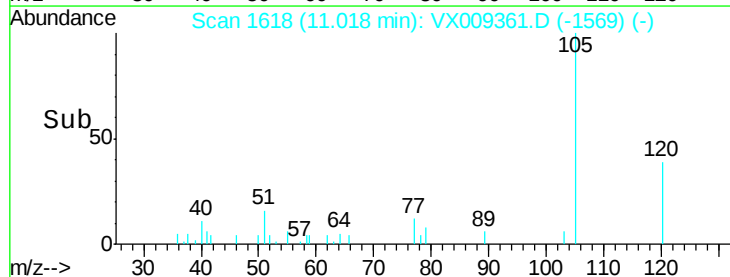
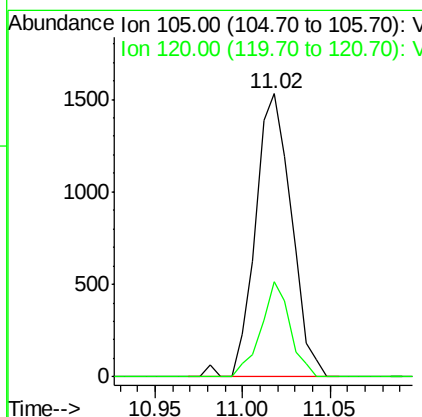
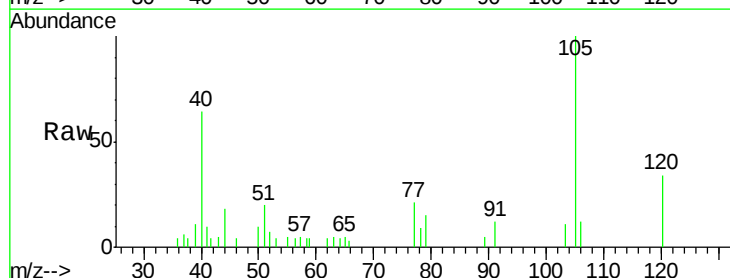
RT: 11.02 min Scan# 1618

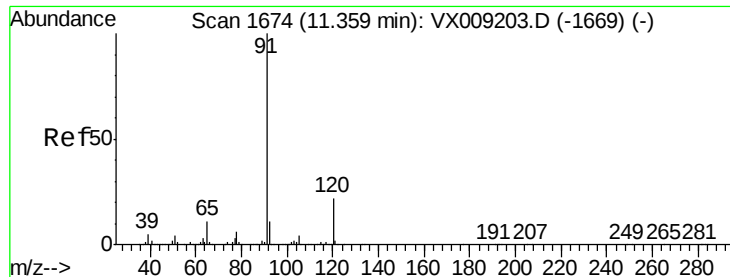
Delta R.T. 0.00 min

Lab File: VX009361.D

Acq: 06 May 2019 19:23

Tgt Ion:	105	Resp:	2192
Ion Ratio	Lower	Upper	
105	100		
120	27.4	12.8	38.3





#78

n-propylbenzene

Concen: 0.327 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009361.D

Acq: 06 May 2019 19:23

Instrument :

MSVOA_X

ClientSampled :

SV28545L

Tot Ion: 91 Resp: 3094

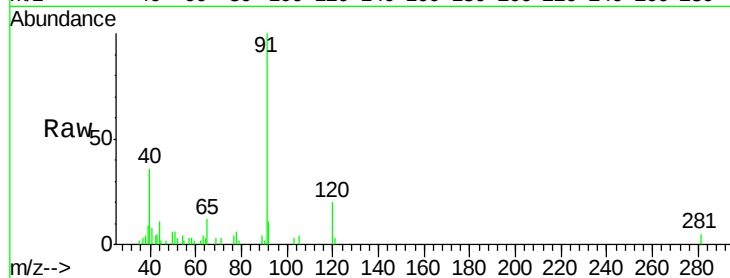
Ion Ratio Lower Upper

91 100

120 20.5 11.0 33.0

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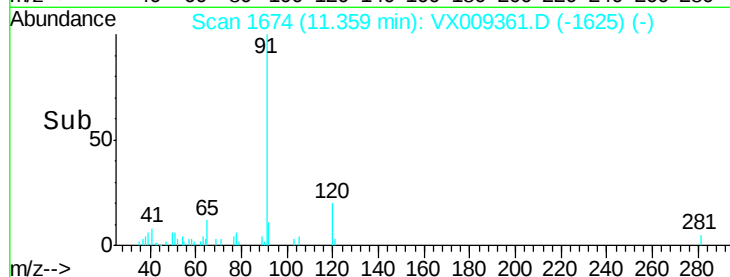
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1669) (-)

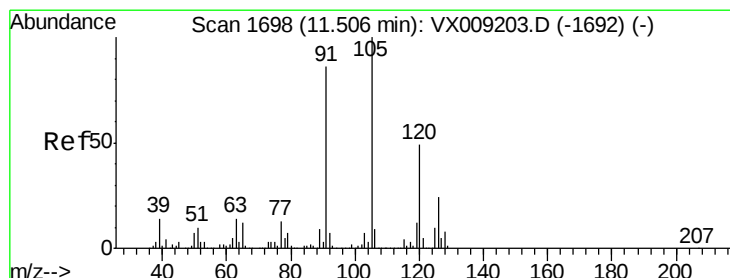
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VX009361.D (-1625) (-)

Ion 120.00 (119.70 to 120.70): VX009361.D (-1625) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.932 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009361.D

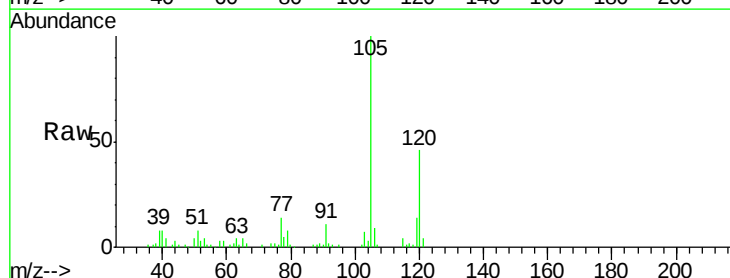
Acq: 06 May 2019 19:23

Tgt Ion: 105 Resp: 13461

Ion Ratio Lower Upper

105 100

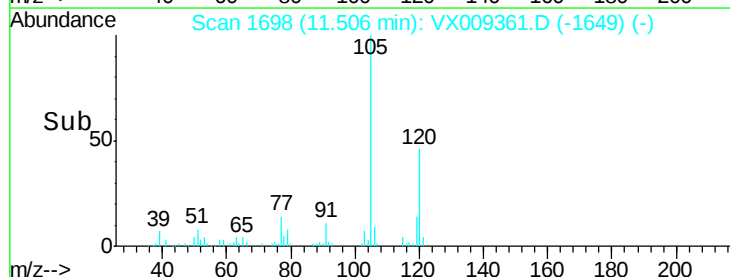
120 47.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)

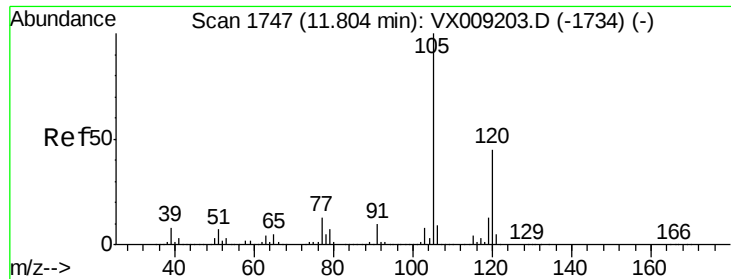
Time-->



Abundance Ion 105.00 (104.70 to 105.70): VX009361.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009361.D (-1649) (-)

Time-->



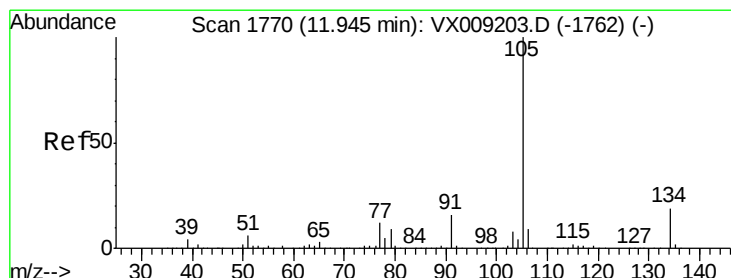
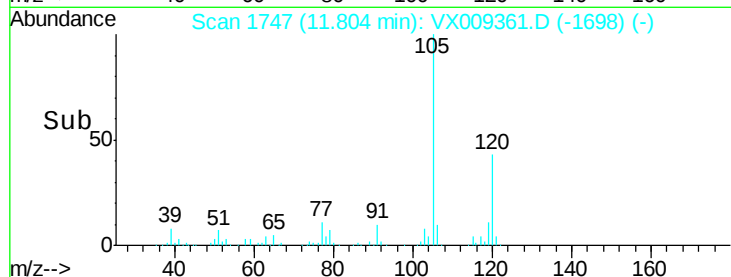
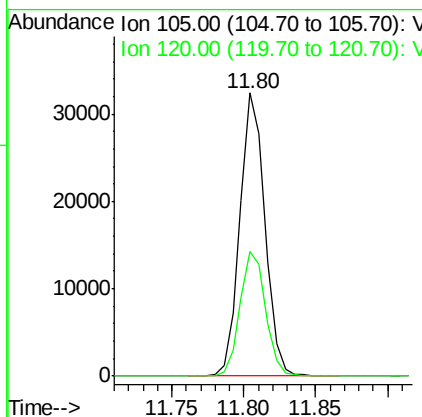
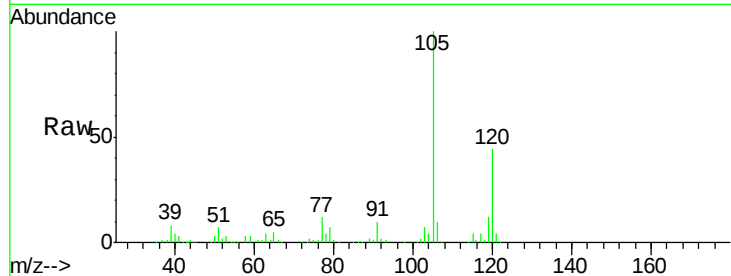
#84
 1,2,4-Trimethylbenzene
 Concen: 5.596 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009361.D
 Acq: 06 May 2019 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 SV28545L

Tot Ion:105 Resp: 39138
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.0 66.0

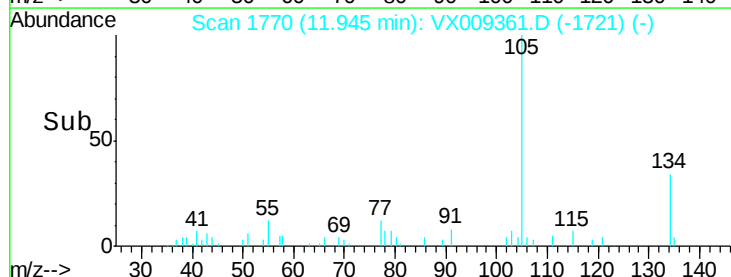
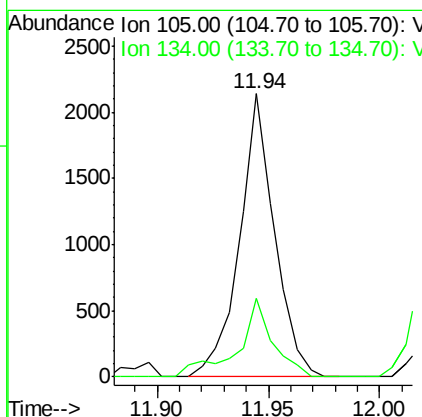
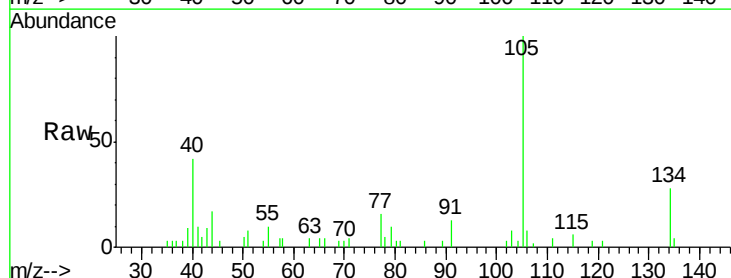
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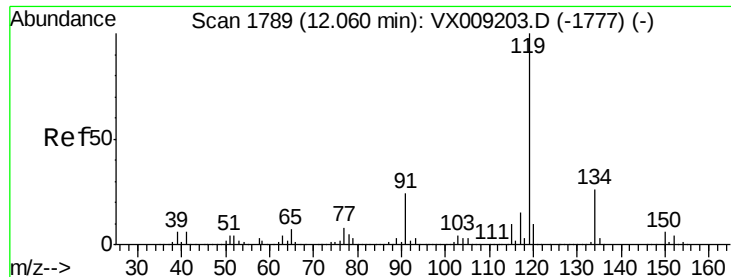
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#85
 sec-Butylbenzene
 Concen: 0.292 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009361.D
 Acq: 06 May 2019 19:23

Tgt Ion:105 Resp: 2349
 Ion Ratio Lower Upper
 105 100
 134 28.0 9.7 28.9





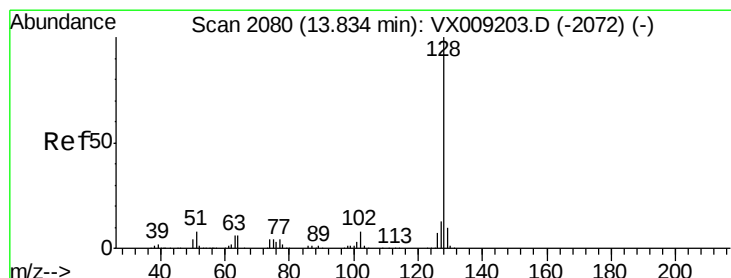
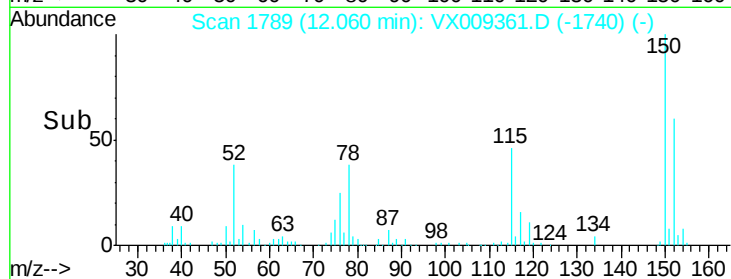
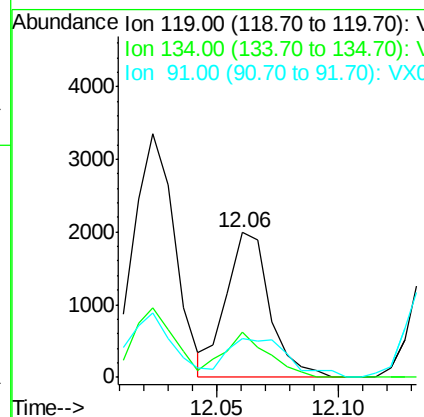
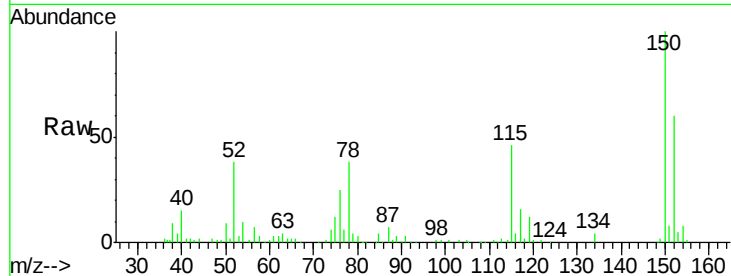
#86
p-Isopropyltoluene
Concen: 0.343 ug/l m
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Instrument :
MSVOA_X
ClientSampled :
SV28545L

Tot Ion	Ratio	Resp	Lower	Upper
119	100	2479		
134	46.3	12.9	38.7#	
91	47.9	11.8	35.4#	

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#95
Naphthalene
Concen: 0.778 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009361.D
Acq: 06 May 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	6457		
127	16.1	10.4	15.6#	
129	19.3	8.6	13.0#	

