

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009373.D
 Acq On : 07 May 2019 12:48
 Operator : JC/SP
 Sample : K2628-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAY)

Quant Time: May 08 02:23:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	30261	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	173620	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	150769	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.06	65	75819	30.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.67%	
60) 4-Bromofluorobenzene		11.13	95	72430	28.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.23%	
63) Toluene-d8		8.71	98	214927	30.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.23%	

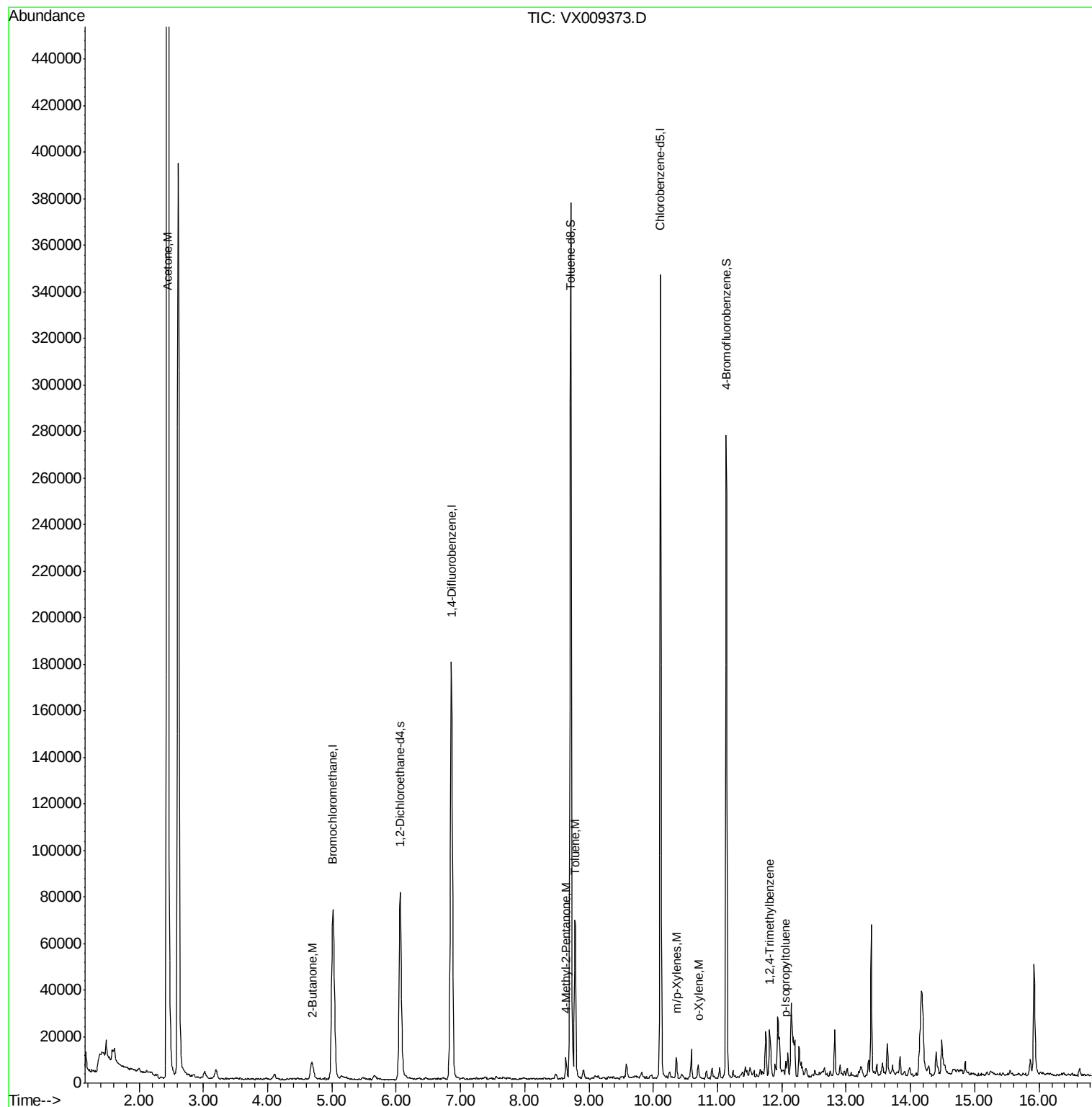
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	2.44	58	402121	1035.171	ug/l	98
30) 2-Butanone	4.69	43	8413	4.217	ug/l #	79
58) 4-Methyl-2-Pentanone	8.64	43	5998	1.618	ug/l	97
62) Toluene	8.78	91	43796	5.436	ug/l	100
67) m/p-Xylenes	10.35	106	2142	0.654	ug/l	95
68) o-Xylene	10.70	106	1252	0.389	ug/l	92
80) 1,2,4-Trimethylbenzene	11.80	105	5317	0.723	ug/l	86
82) p-Isopropyltoluene	12.06	119	2445	0.319	ug/l	95

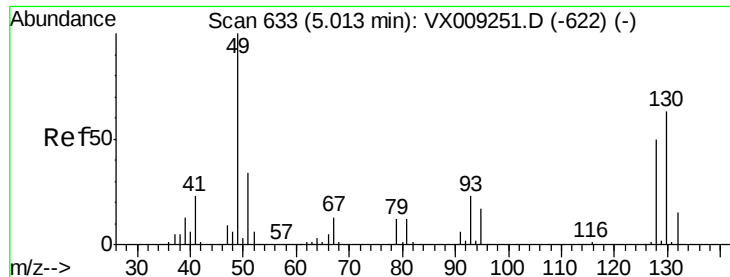
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(MAY)

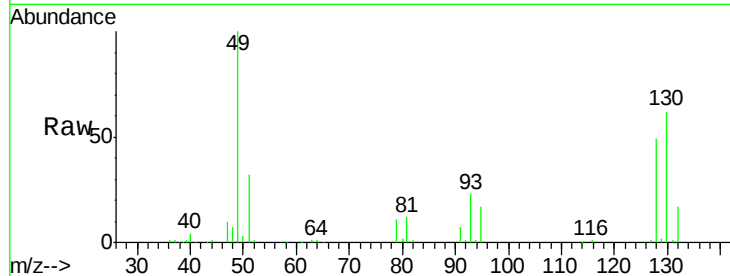
Tot Ion:128 Resp: 30261

Ion Ratio Lower Upper

128 100

49 198.3 0.0 515.0

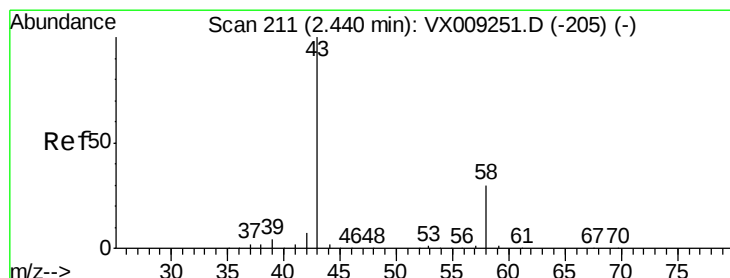
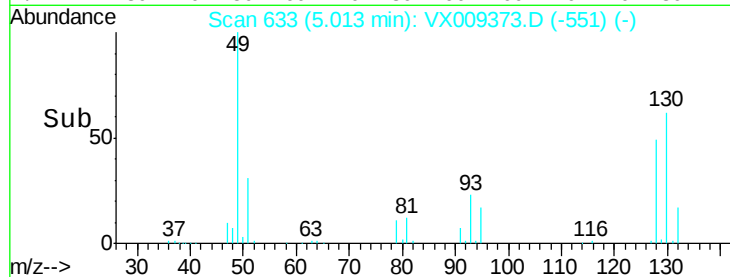
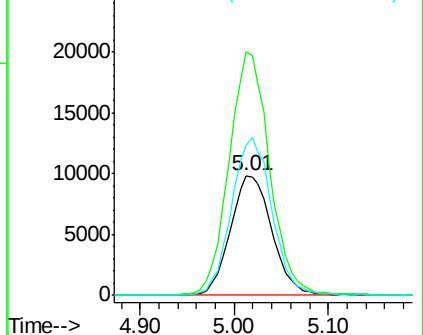
130 128.7 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 1035.171 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009373.D

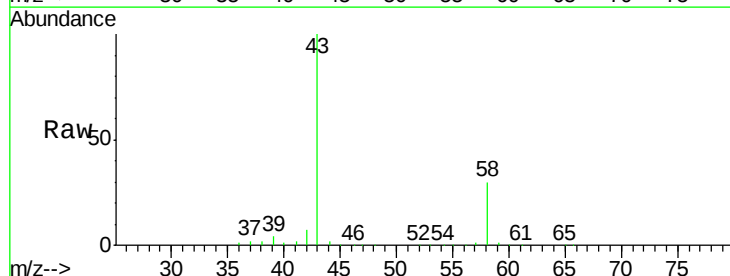
Acq: 07 May 2019 12:48

Tgt Ion: 58 Resp: 402121

Ion Ratio Lower Upper

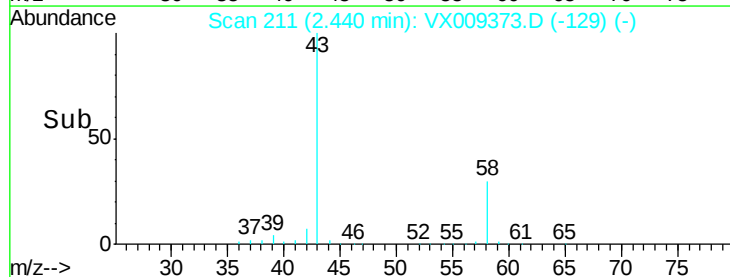
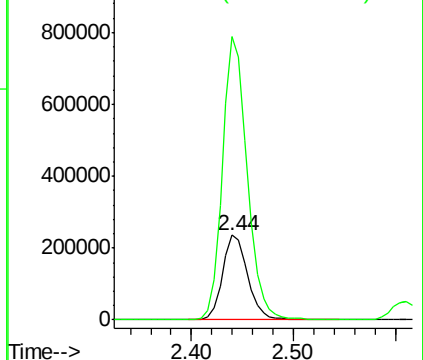
58 100

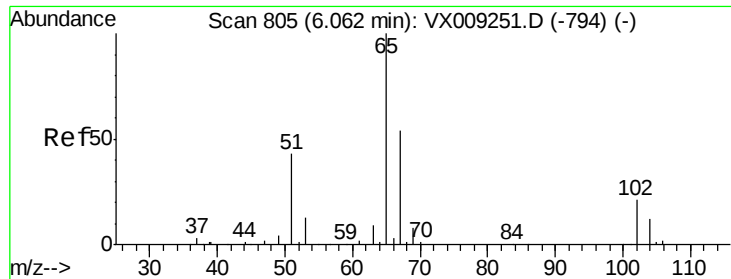
43 333.5 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.203 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009373.D

Acq: 07 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

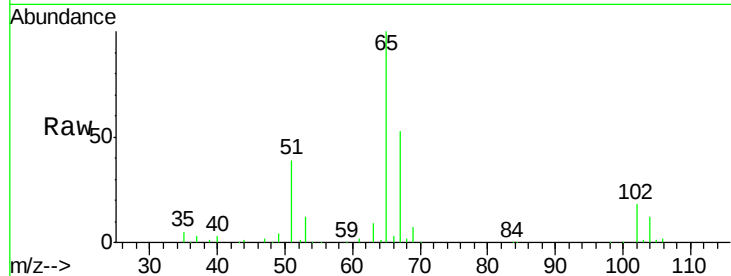
002M-35TH-AVE(MAY)

Tot Ion: 65 Resp: 75819

Ion Ratio Lower Upper

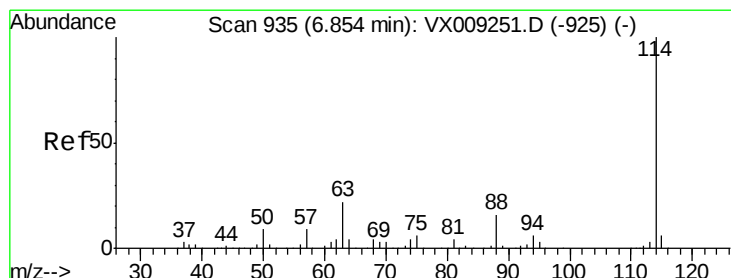
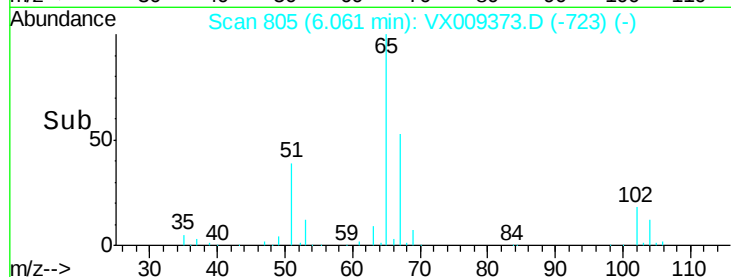
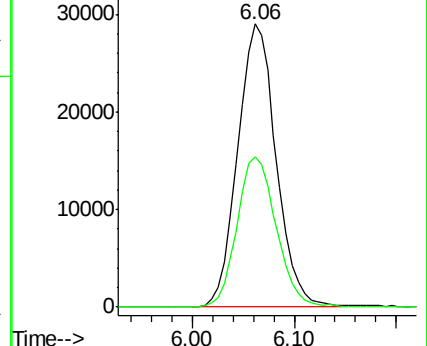
65 100

67 53.8 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009373.D

Acq: 07 May 2019 12:48

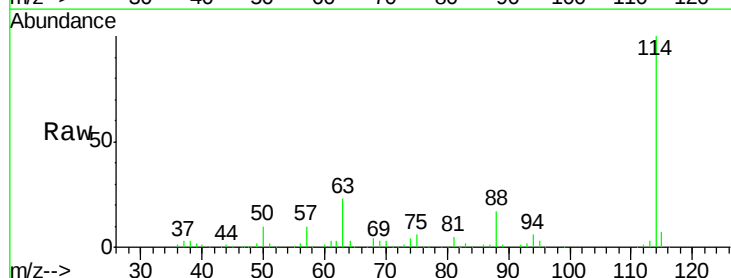
Tgt Ion: 114 Resp: 173620

Ion Ratio Lower Upper

114 100

63 22.7 18.0 27.0

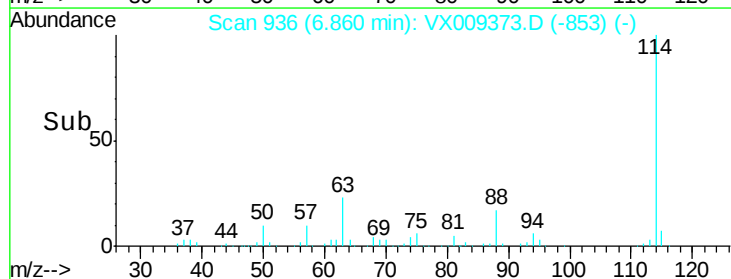
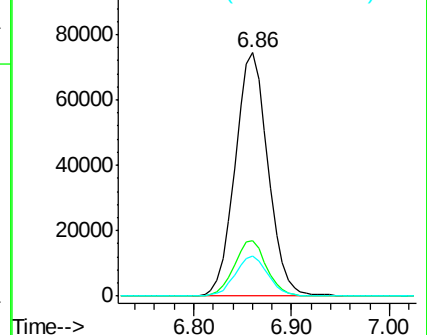
88 16.4 13.4 20.0

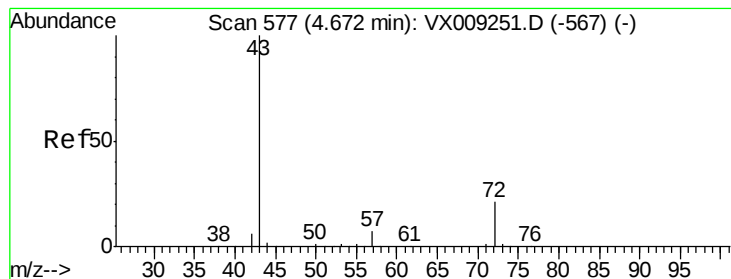


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#30

2-Butanone

Concen: 4.217 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009373.D

Acq: 07 May 2019 12:48

Instrument :

MSVOA_X

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002M-35TH-AVE(MAY)

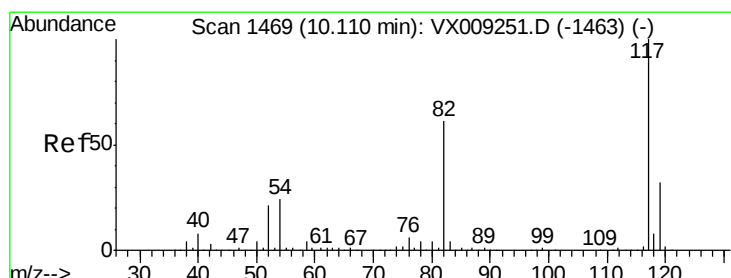
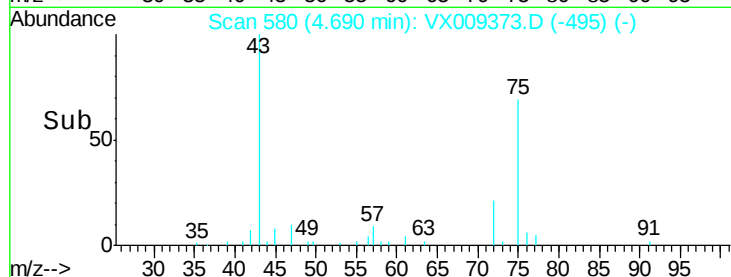
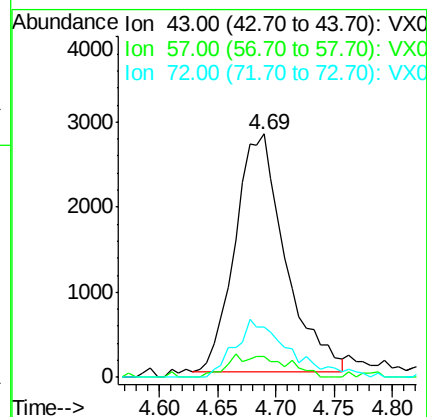
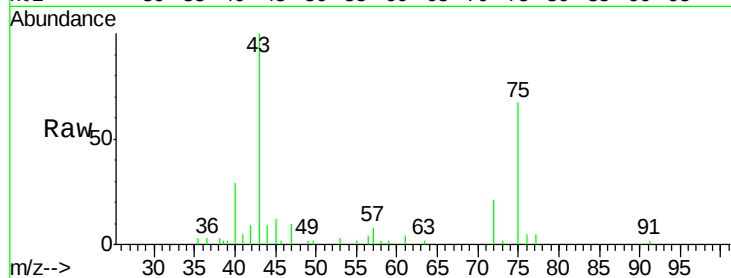
Tot Ion: 43 Resp: 8413

Ion Ratio Lower Upper

43 100

57 4.0 6.0 9.0#

72 11.0 18.2 27.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009373.D

Acq: 07 May 2019 12:48

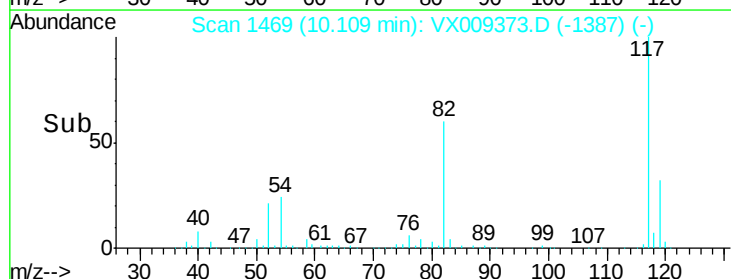
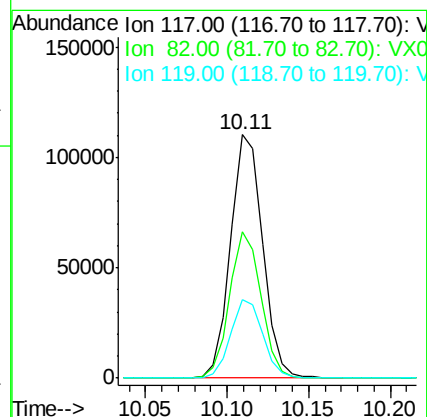
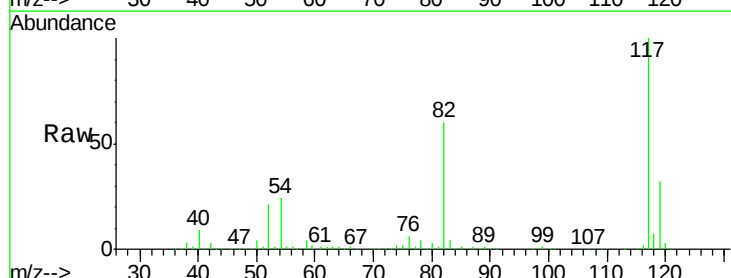
Tgt Ion: 117 Resp: 150769

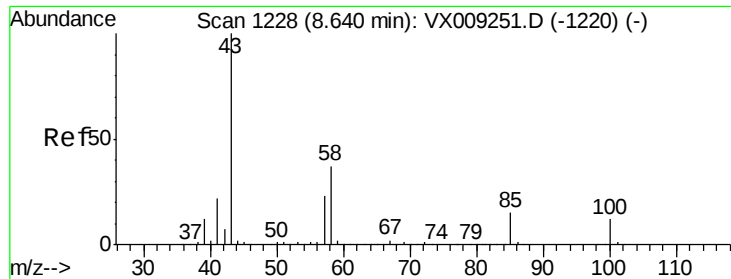
Ion Ratio Lower Upper

117 100

82 58.8 47.8 71.8

119 32.4 25.6 38.4

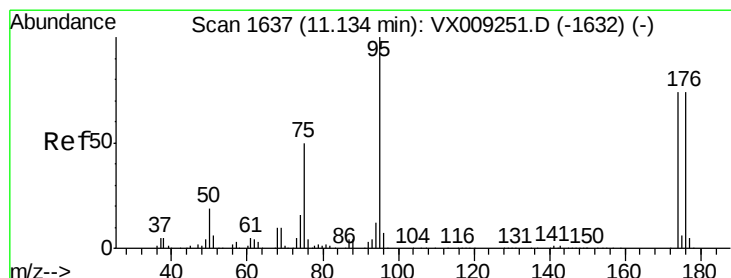
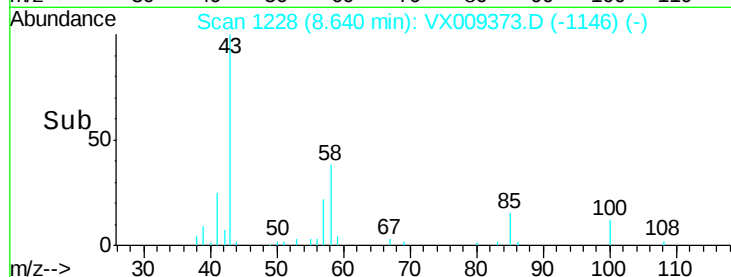
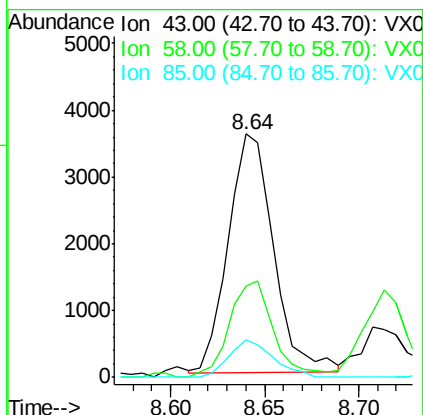
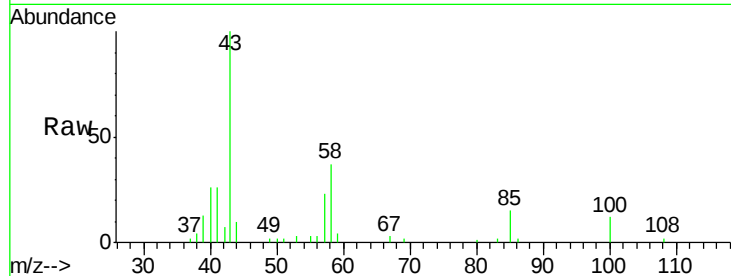




#58
4-Methyl-2-Pentanone
Concen: 1.618 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009373.D
Acq: 07 May 2019 12:48

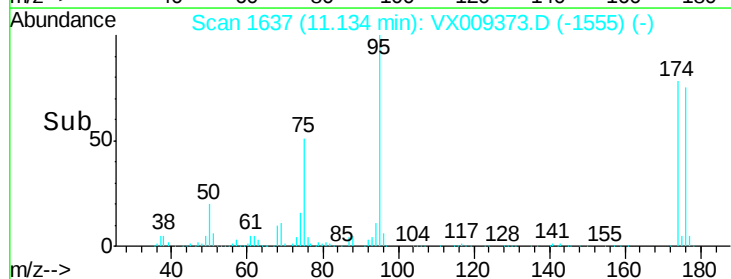
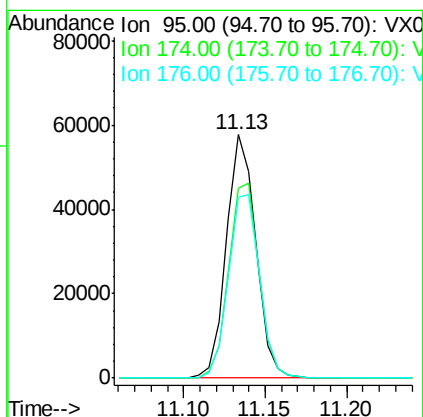
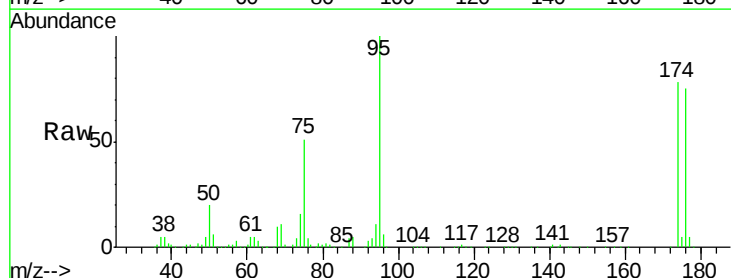
Instrument :
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ClientSampleId :
002M-35TH-AVE(MAY)

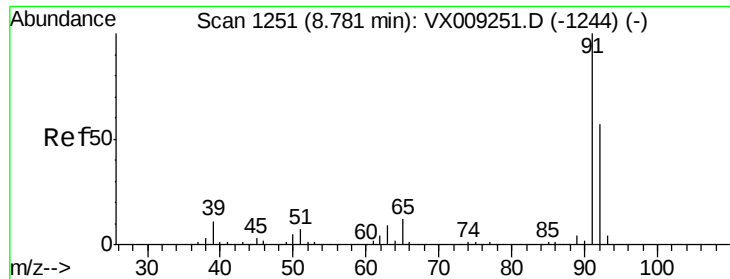
Tot Ion: 43 Resp: 5998
Ion Ratio Lower Upper
43 100
58 39.1 29.4 44.0
85 15.0 11.8 17.8



#60
4-Bromofluorobenzene
Concen: 28.272 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009373.D
Acq: 07 May 2019 12:48

Tgt Ion: 95 Resp: 72430
Ion Ratio Lower Upper
95 100
174 83.2 63.6 95.4
176 79.8 62.4 93.6





#62

Toluene

Concen: 5.436 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009373.D

Acq: 07 May 2019 12:48

Instrument :

MSVOA_X

ClientSampleId :

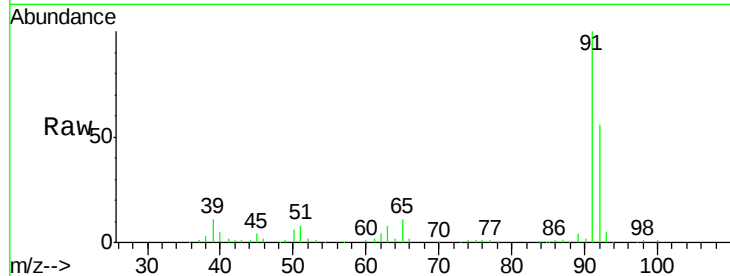
002M-35TH-AVE(MAY)

Tot Ion: 91 Resp: 43796

Ion Ratio Lower Upper

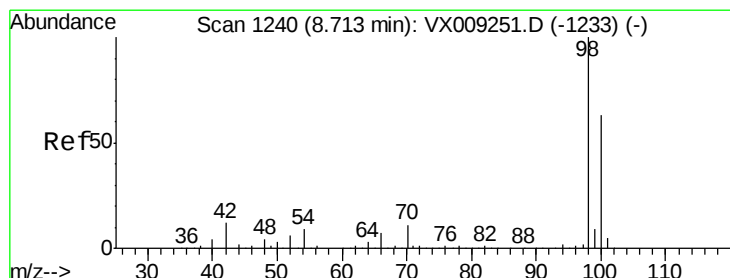
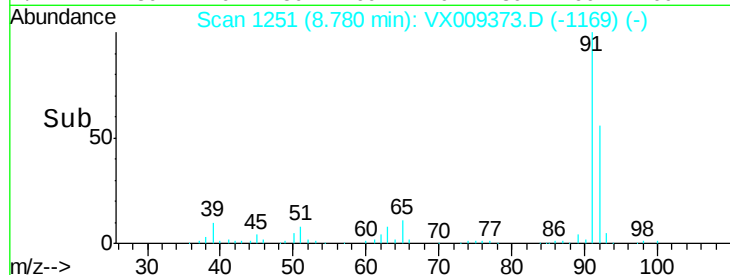
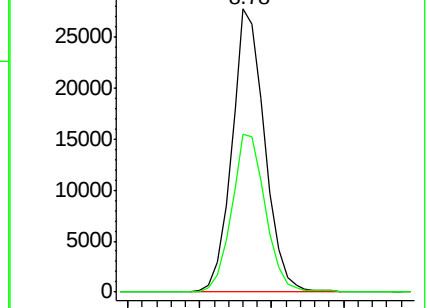
91 100

92 57.5 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 30.068 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009373.D

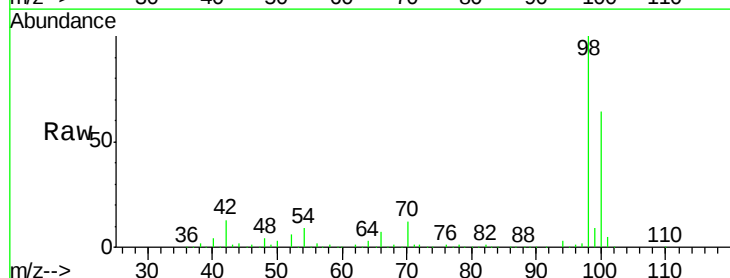
Acq: 07 May 2019 12:48

Tgt Ion: 98 Resp: 214927

Ion Ratio Lower Upper

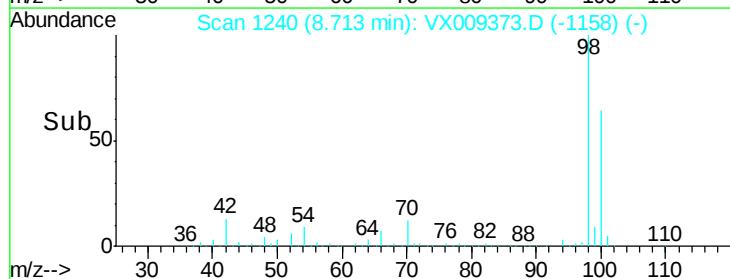
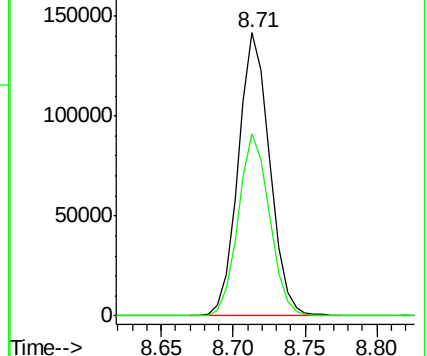
98 100

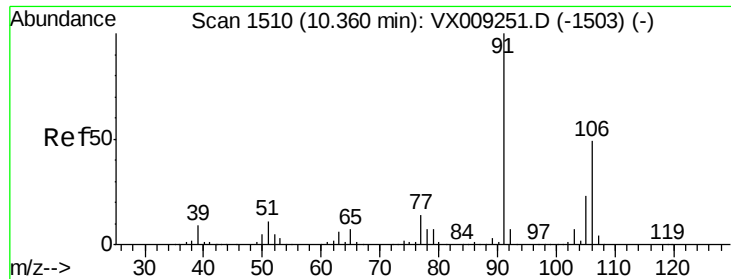
100 64.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

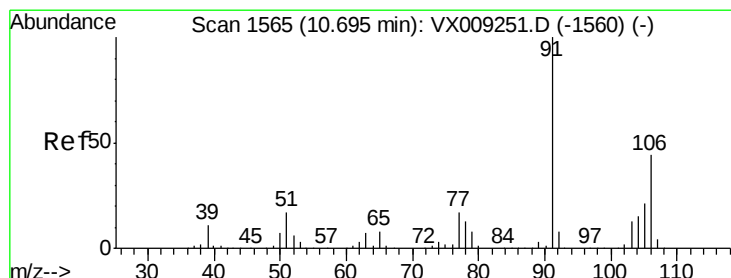
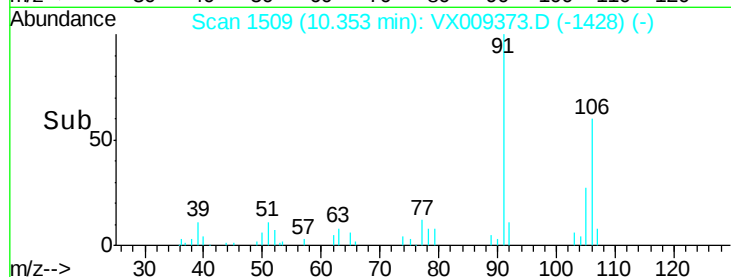
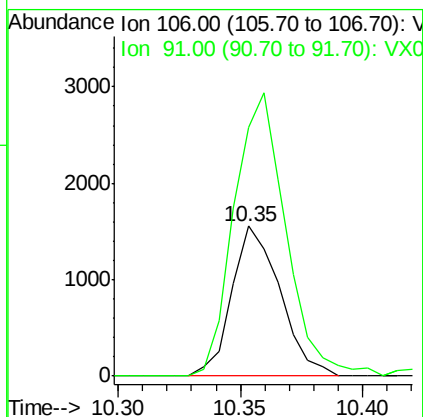
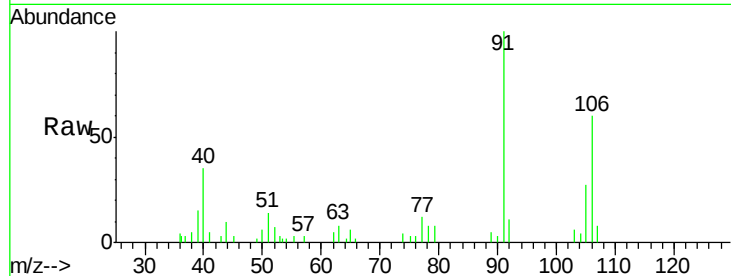




#67
m/p-Xvlenes
Concen: 0.654 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009373.D
Acq: 07 May 2019 12:48

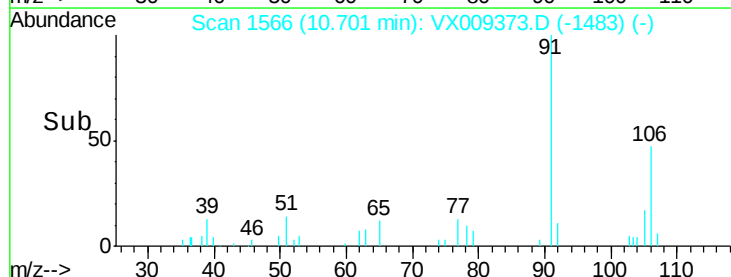
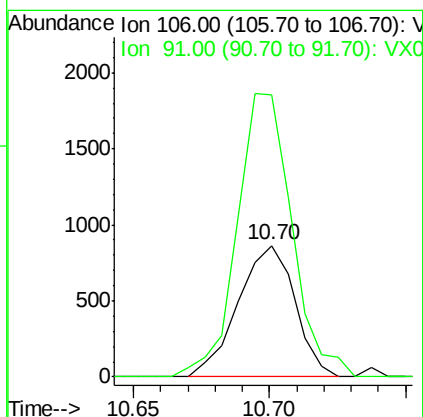
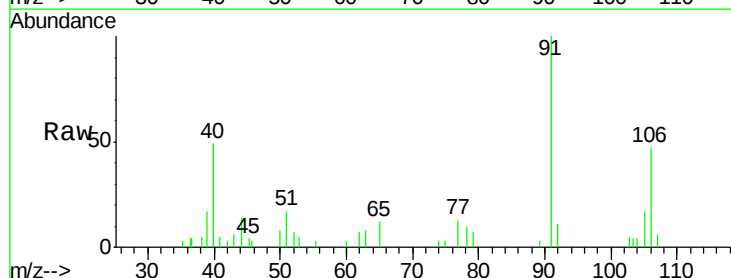
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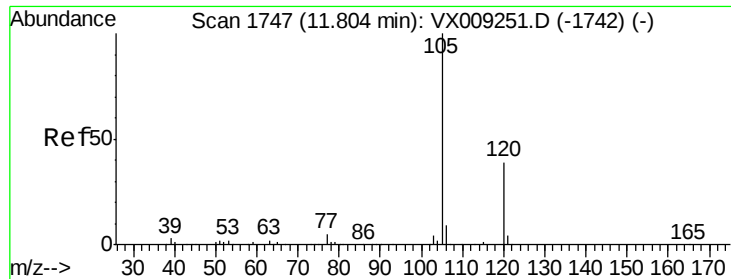
Tot Ion:106 Resp: 2142
Ion Ratio Lower Upper
106 100
91 200.7 166.8 250.2



#68
o-Xylene
Concen: 0.389 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009373.D
Acq: 07 May 2019 12:48

Tgt Ion:106 Resp: 1252
Ion Ratio Lower Upper
106 100
91 208.2 110.8 332.3

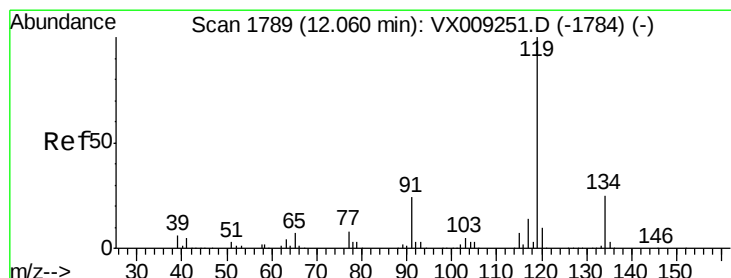
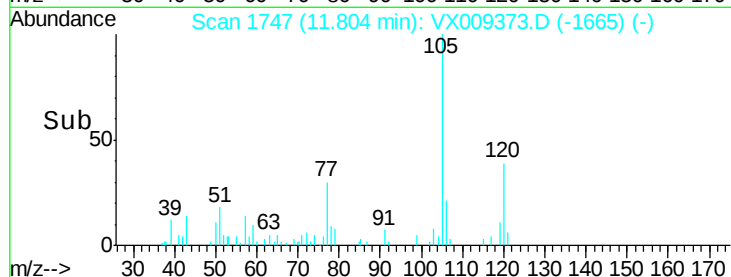
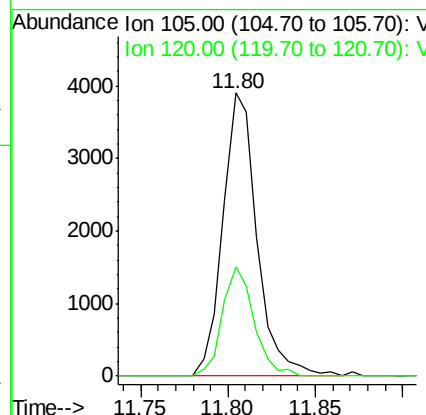
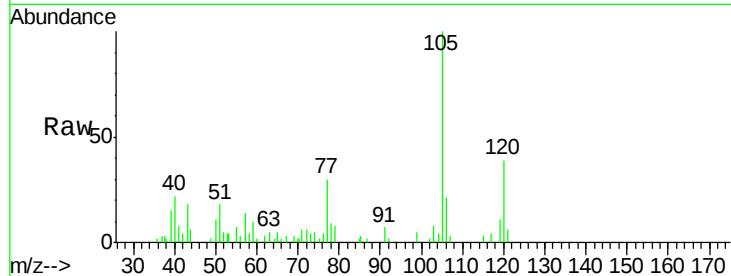




#80
 1,2,4-Trimethylbenzene
 Concen: 0.723 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009373.D
 Acq: 07 May 2019 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAY)

Tot Ion:105 Resp: 5317
 Ion Ratio Lower Upper
 105 100
 120 35.7 0.0 89.6



#82
 p-Isopropyltoluene
 Concen: 0.319 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009373.D
 Acq: 07 May 2019 12:48

Tgt Ion:119 Resp: 2445
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 50.8
 91 27.1 0.0 47.2

