

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
 Data File : VX013843.D
 Acq On : 07 Dec 2019 16:11
 Operator : JC/SP
 Sample : K6137-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(DEC)

Quant Time: Dec 09 03:03:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	96508	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	543168	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	482498	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	208386	29.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.47%
60) 4-Bromofluorobenzene	11.13	95	224866	29.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.67%
63) Toluene-d8	8.71	98	644870	29.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.53%

Target Compounds

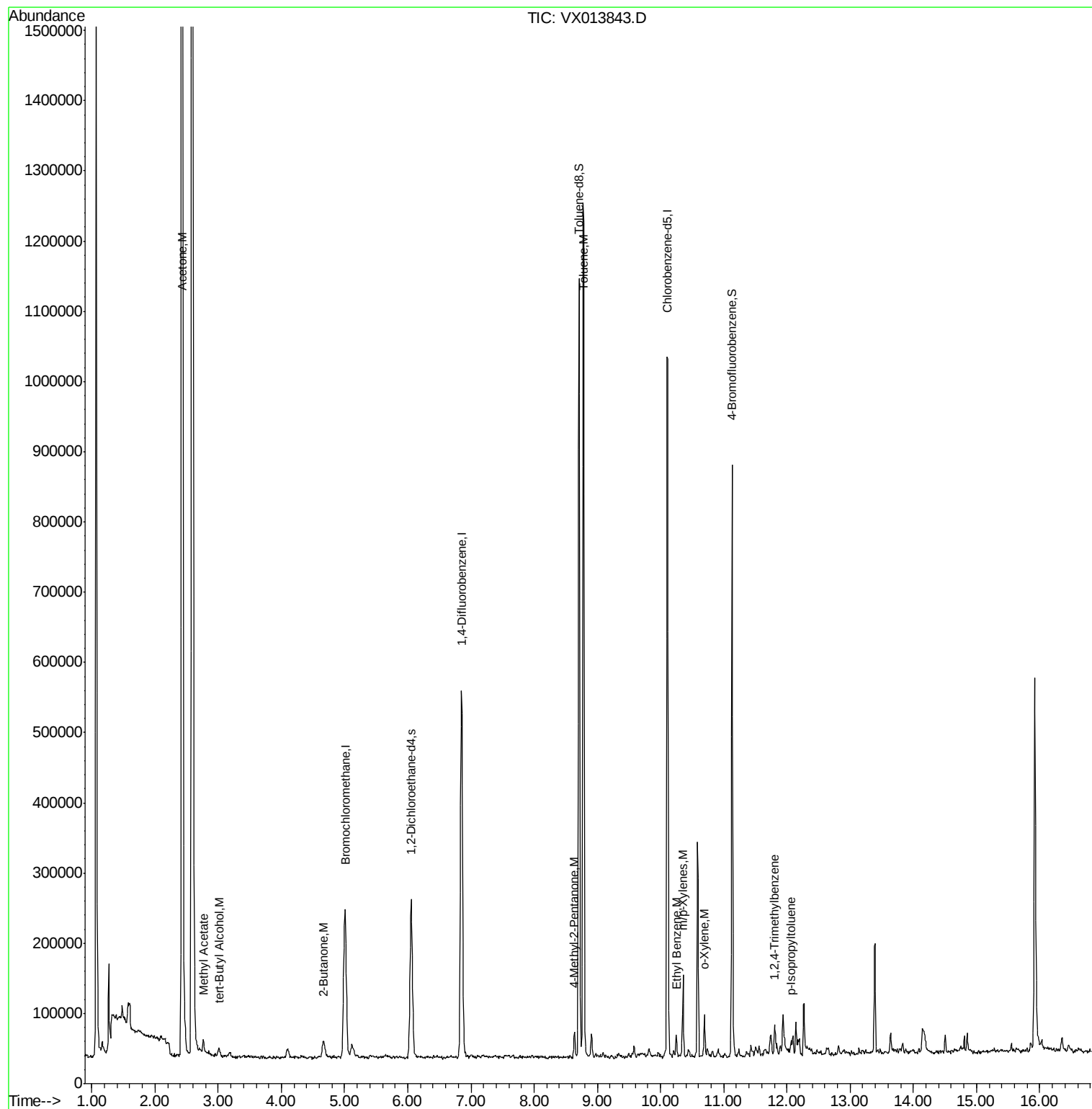
					Ovalue	
12) Methyl Acetate	2.76	43	18103	1.733	ug/l	93
15) Acetone	2.43	58	979274	841.887	ug/l	94
23) tert-Butyl Alcohol	3.01	59	7517	4.067	ug/l #	98
30) 2-Butanone	4.66	43	44090	8.052	ug/l #	96
58) 4-Methyl-2-Pentanone	8.64	43	22681	2.250	ug/l	98
62) Toluene	8.78	91	802829	29.871	ug/l	99
66) Ethyl Benzene	10.25	91	19003	0.644	ug/l	96
67) m/p-Xylenes	10.36	106	28361	2.490	ug/l	93
68) o-Xylene	10.70	106	13356	1.215	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	16268	0.671	ug/l	92
82) p-Isopropyltoluene	12.06	119	8896	0.345	ug/l	92

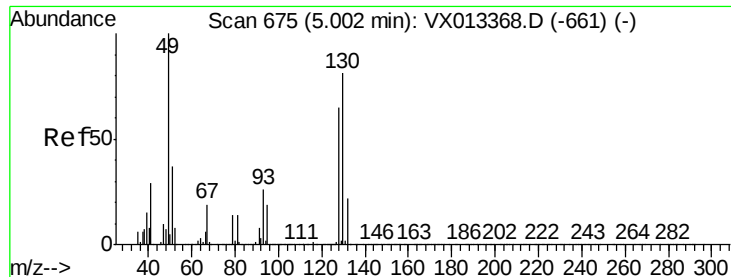
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120719\
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013843.D

Acq: 07 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(DEC)

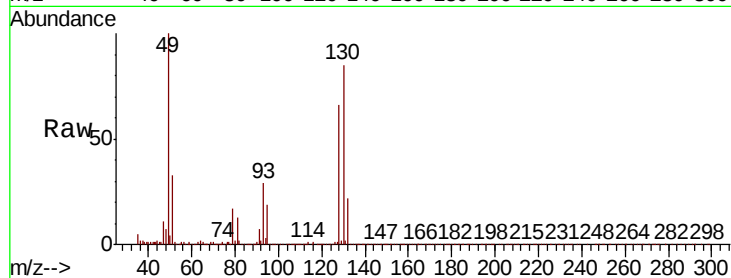
Tot Ion:128 Resp: 96508

Ion Ratio Lower Upper

128 100

49 158.9 0.0 388.3

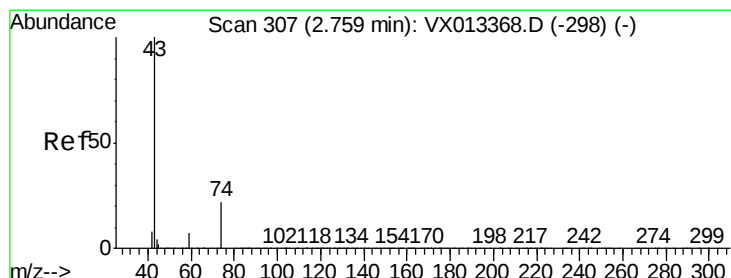
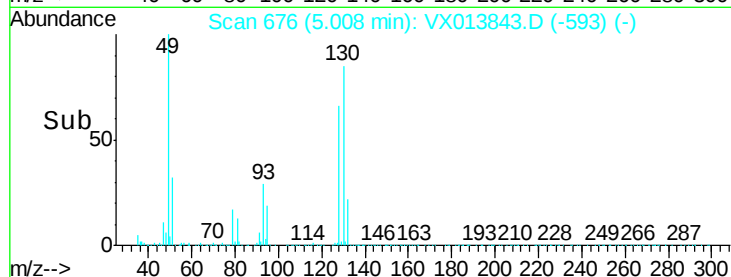
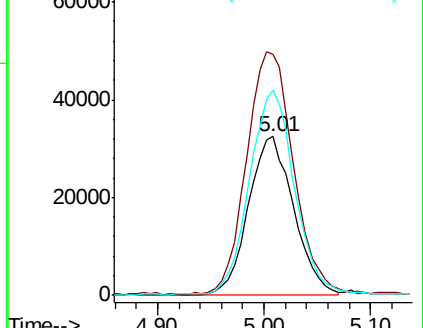
130 129.8 0.0 318.5



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



#12

Methyl Acetate

Concen: 1.733 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013843.D

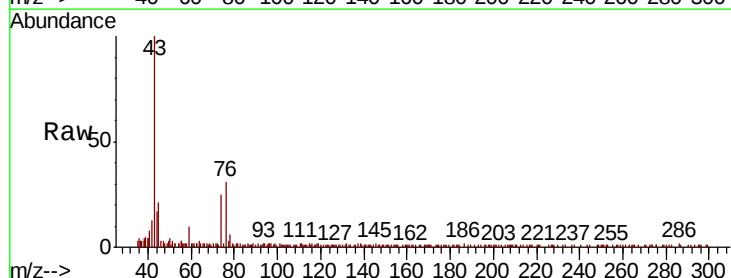
Acq: 07 Dec 2019 16:11

Tgt Ion: 43 Resp: 18103

Ion Ratio Lower Upper

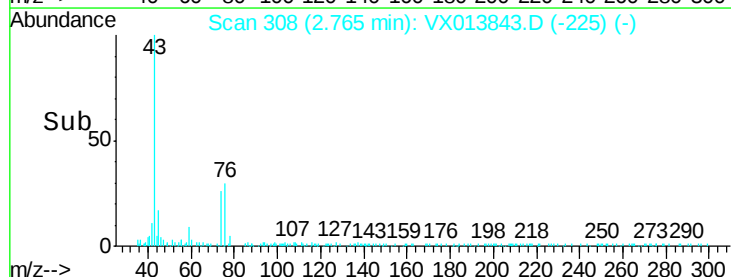
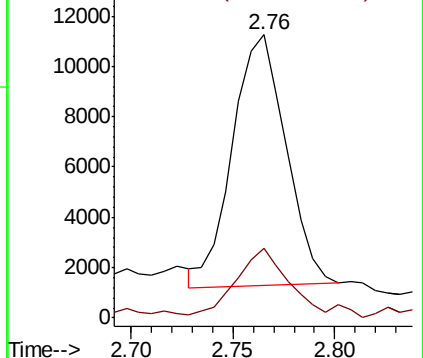
43 100

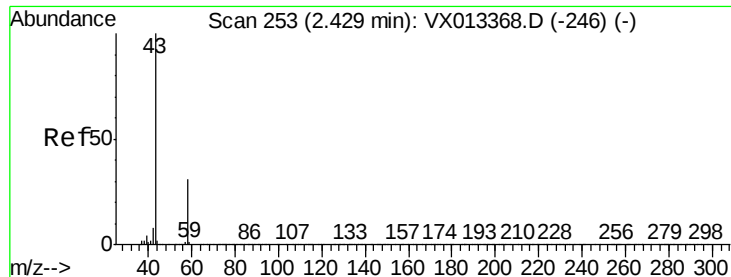
74 25.8 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#15

Acetone

Concen: 841.887 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013843.D

Acq: 07 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

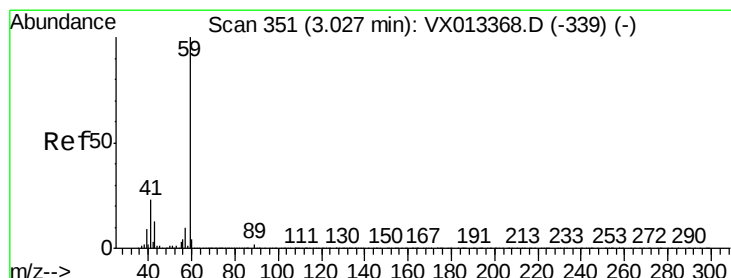
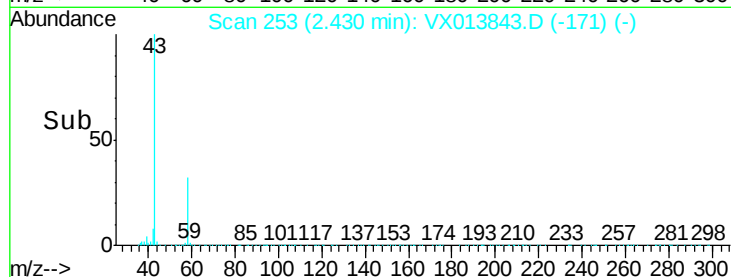
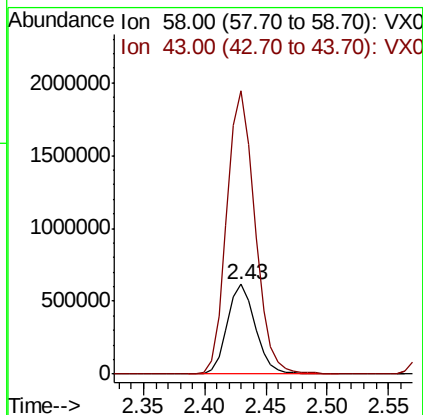
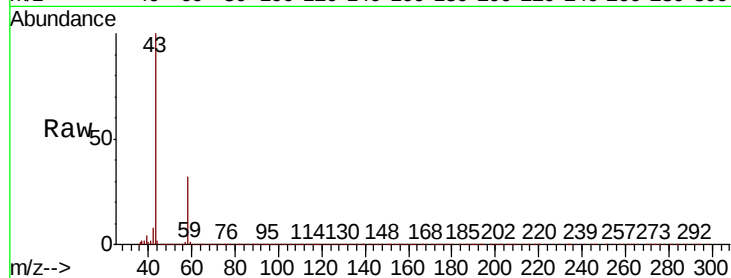
002-35TH-AVE-(DEC)

Tot Ion: 58 Resp: 979274

Ion Ratio Lower Upper

58 100

43 314.4 261.4 392.2



#23

tert-Butyl Alcohol

Concen: 4.067 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013843.D

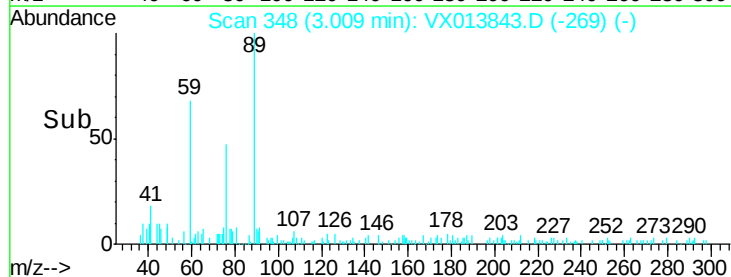
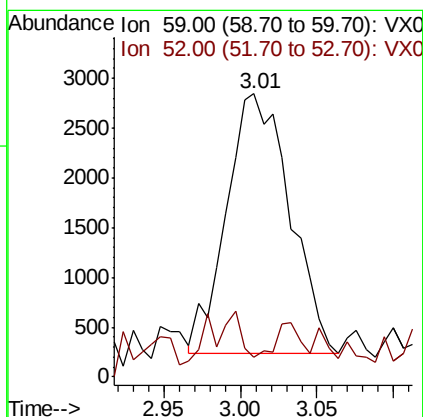
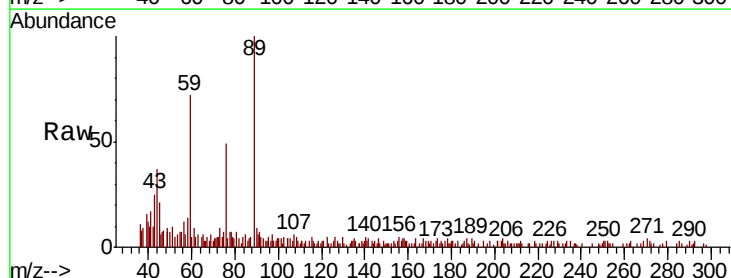
Acq: 07 Dec 2019 16:11

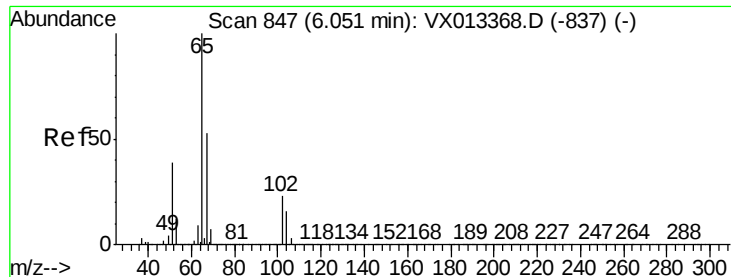
Tgt Ion: 59 Resp: 7517

Ion Ratio Lower Upper

59 100

52 4.3 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.242 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013843.D

Acq: 07 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

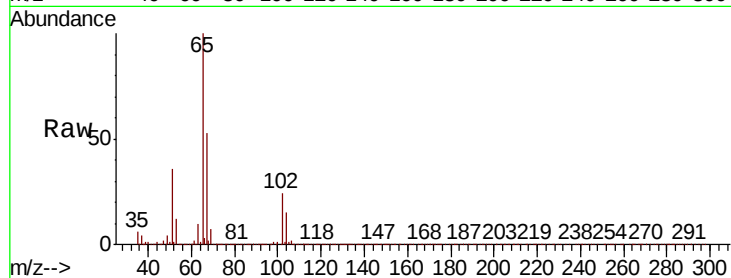
002-35TH-AVE-(DEC)

Tot Ion: 65 Resp: 208386

Ion Ratio Lower Upper

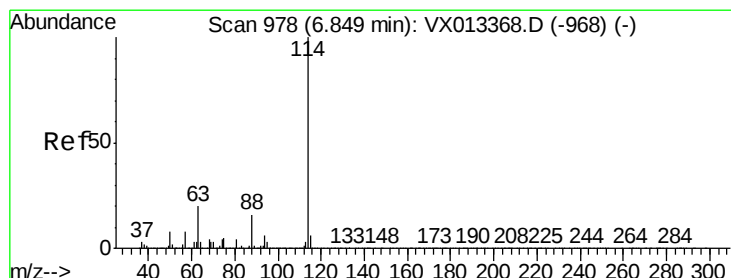
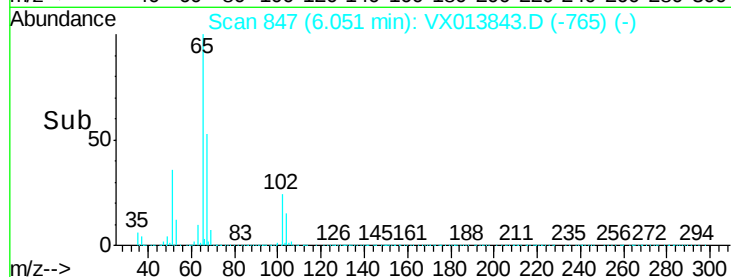
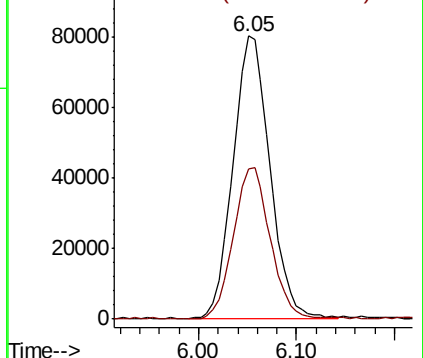
65 100

67 53.2 41.0 61.6



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013843.D

Acq: 07 Dec 2019 16:11

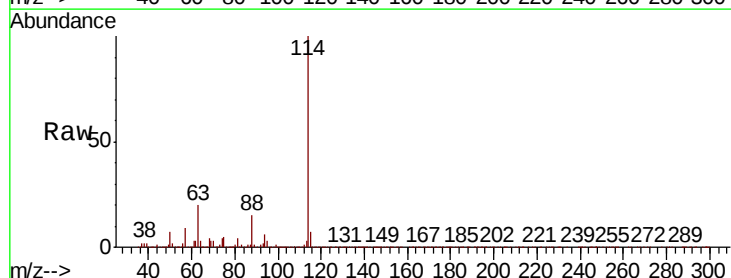
Tgt Ion: 114 Resp: 543168

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

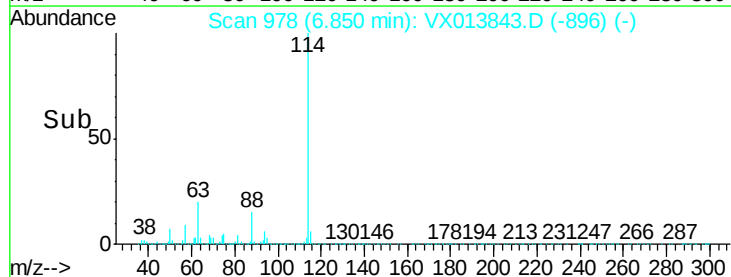
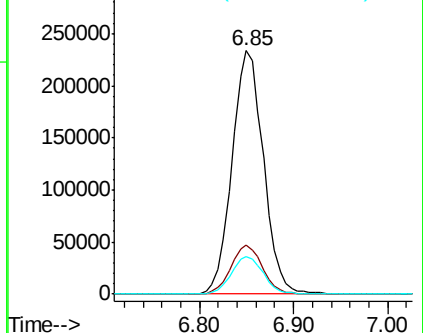
88 15.4 12.3 18.5

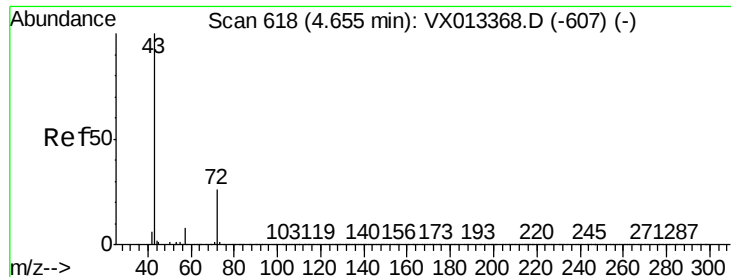


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

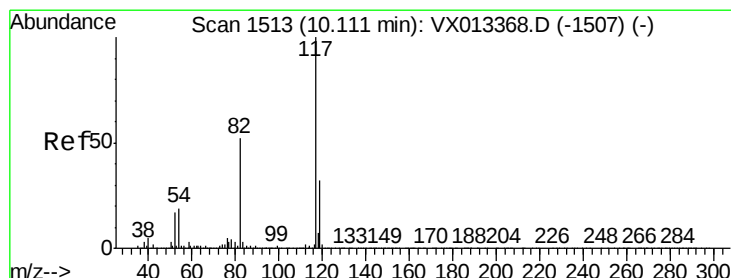
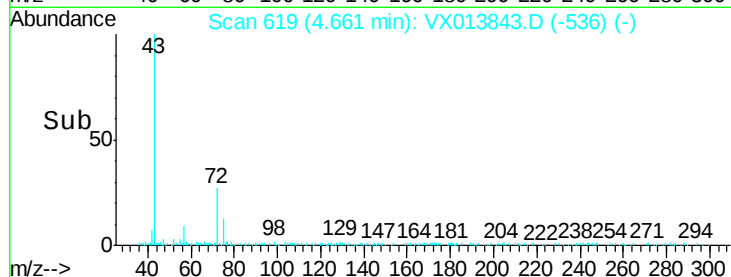
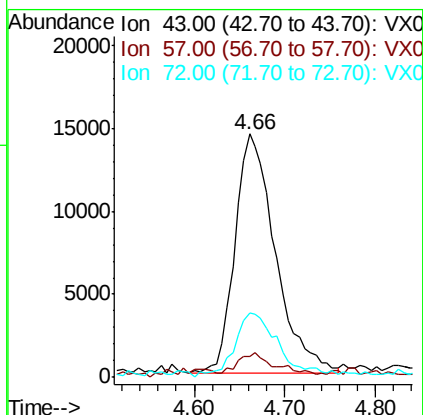
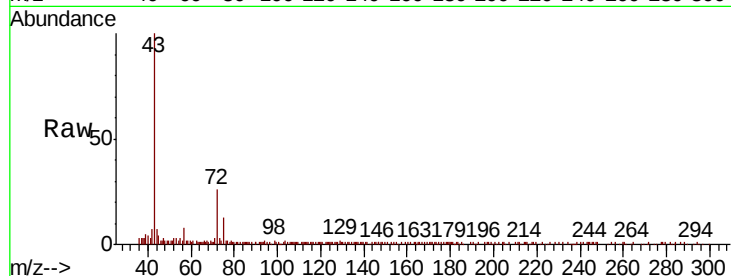




#30
2-Butanone
Concen: 8.052 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

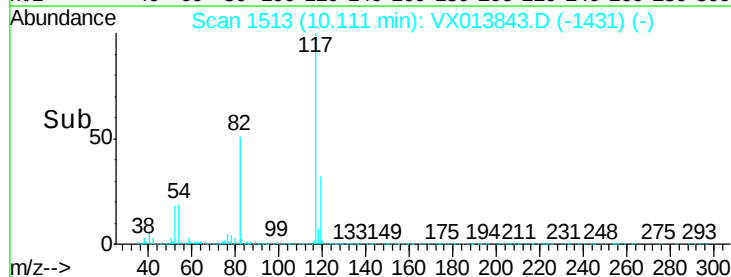
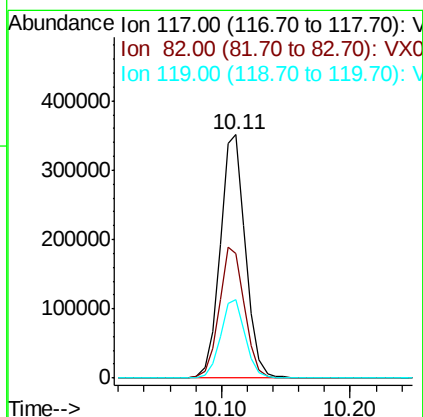
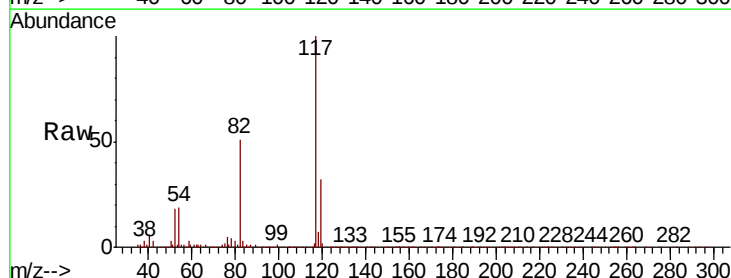
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(DEC)

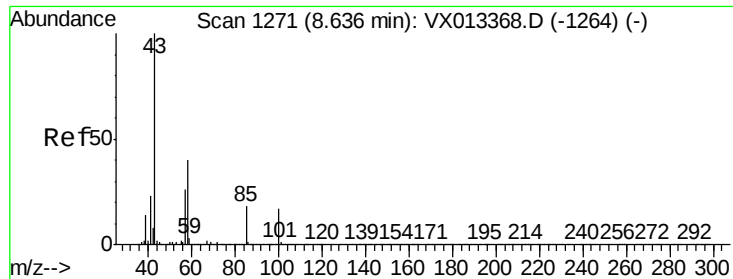
Tot Ion: 43 Resp: 44090
Ion Ratio Lower Upper
43 100
57 5.7 6.1 9.1#
72 24.0 20.5 30.7



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

Tgt Ion: 117 Resp: 482498
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 31.8 25.5 38.3

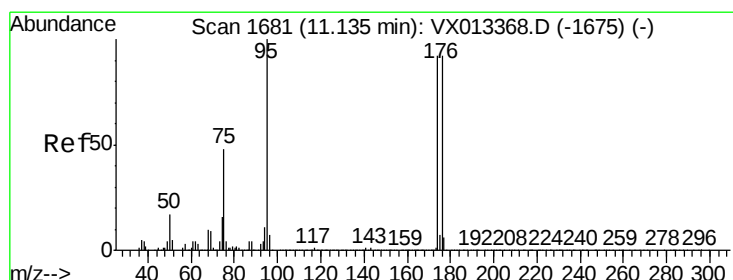
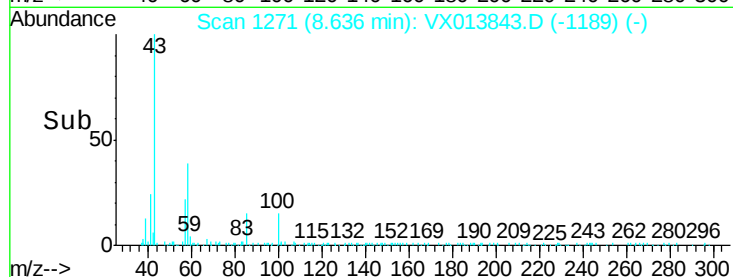
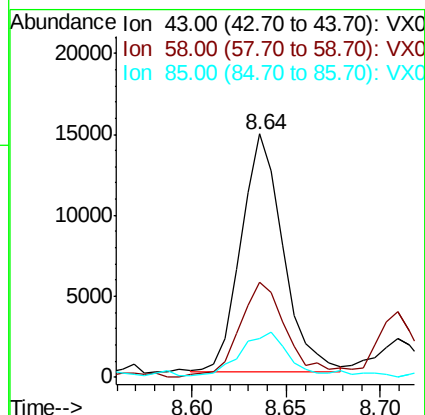
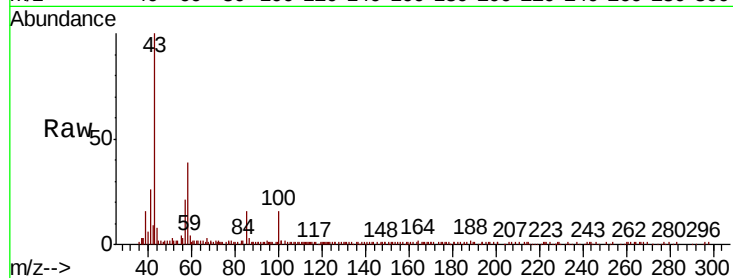




#58
4-Methyl-2-Pentanone
Concen: 2.250 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

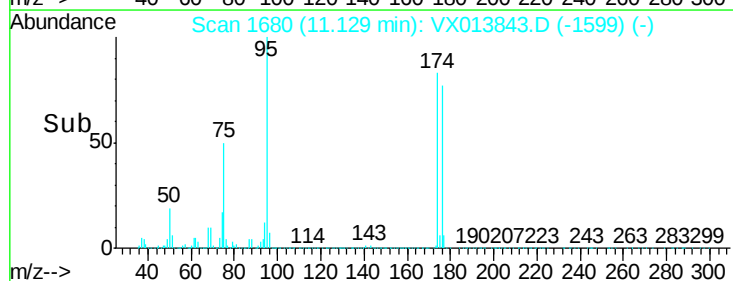
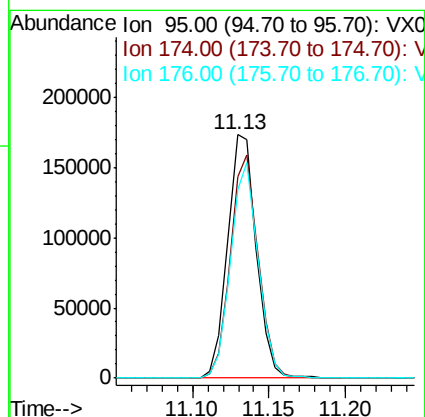
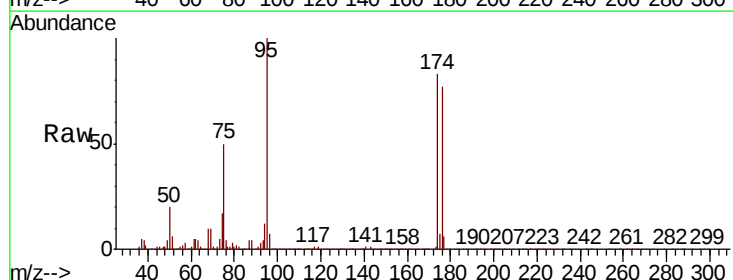
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MSVOA_X
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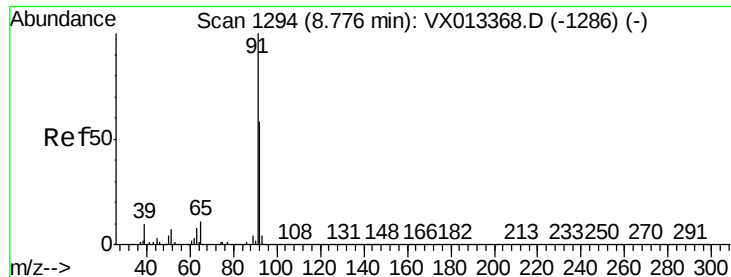
Tot Ion:	43	Resp:	22681
Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.6	47.4
85	19.8	14.2	21.2



#60
4-Bromofluorobenzene
Concen: 28.996 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

Tgt Ion:	95	Resp:	224866
Ion	Ratio	Lower	Upper
95	100		
174	89.2	70.2	105.2
176	85.7	68.3	102.5





#62

Toluene

Concen: 29.871 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013843.D

Acq: 07 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

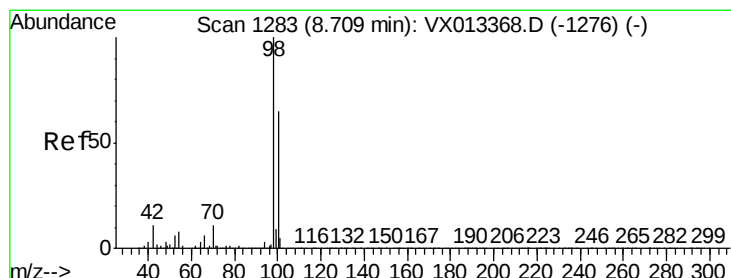
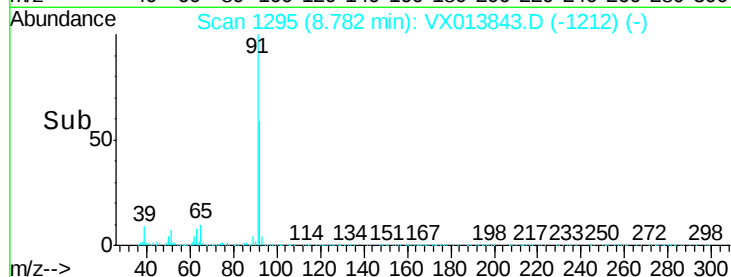
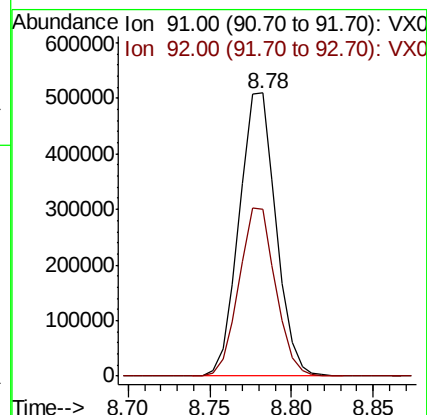
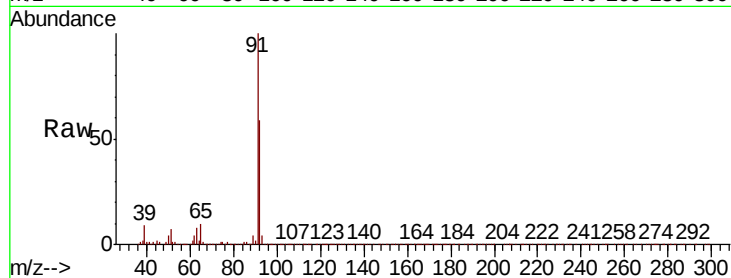
002-35TH-AVE-(DEC)

Tot Ion: 91 Resp: 802829

Ion Ratio Lower Upper

91 100

92 59.0 46.6 69.8



#63

Toluene-d8

Concen: 29.556 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013843.D

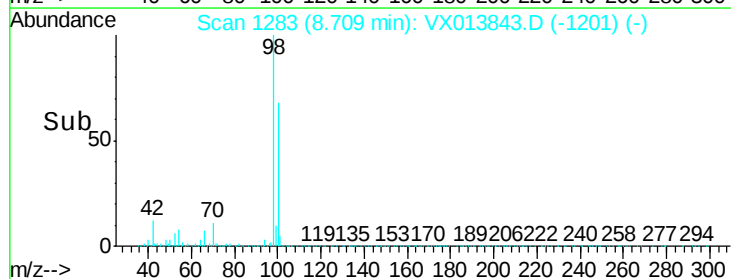
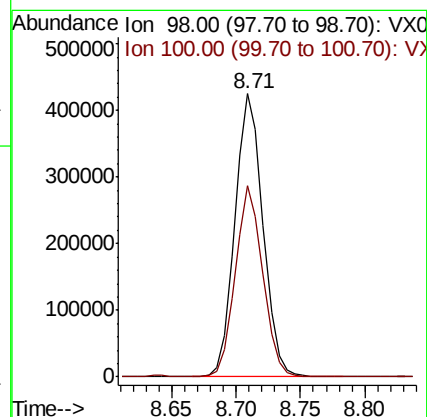
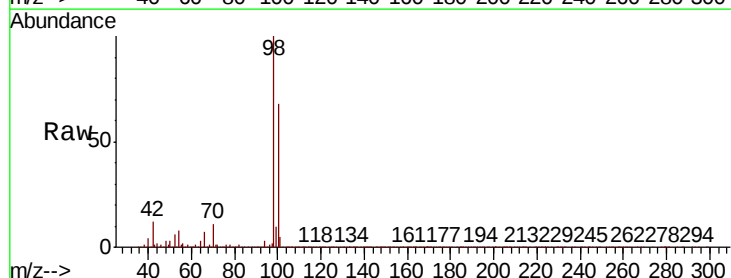
Acq: 07 Dec 2019 16:11

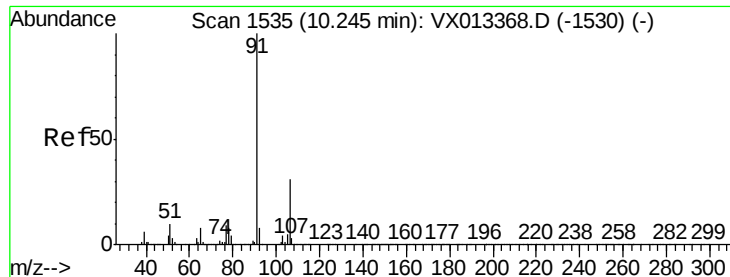
Tgt Ion: 98 Resp: 644870

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

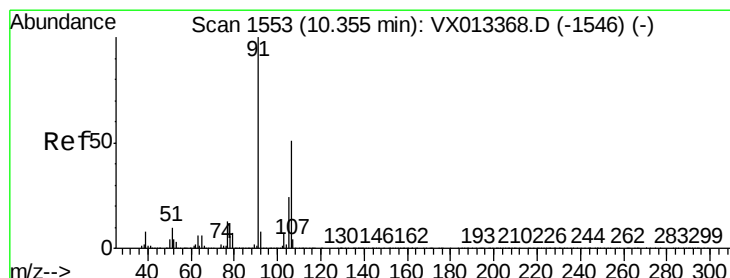
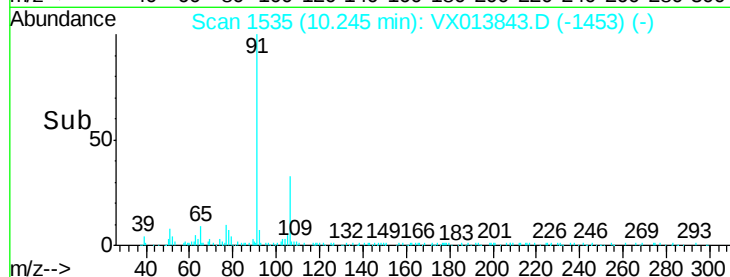
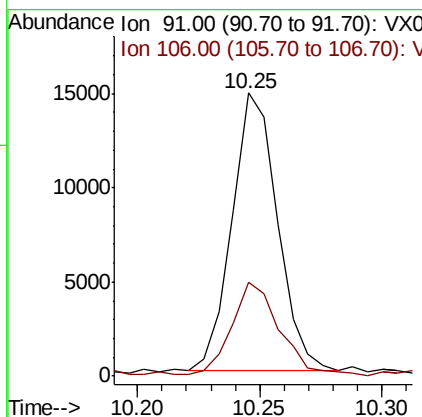
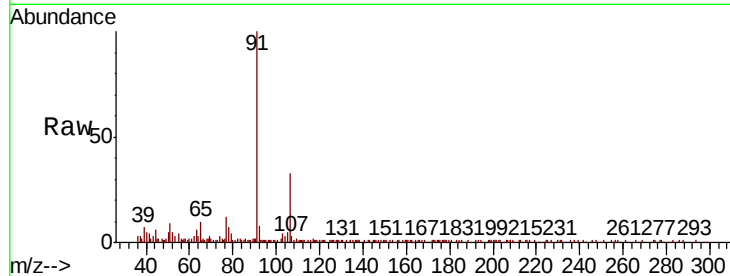




#66
Ethyl Benzene
Concen: 0.644 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

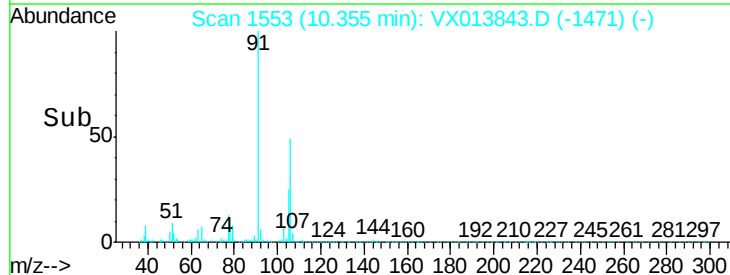
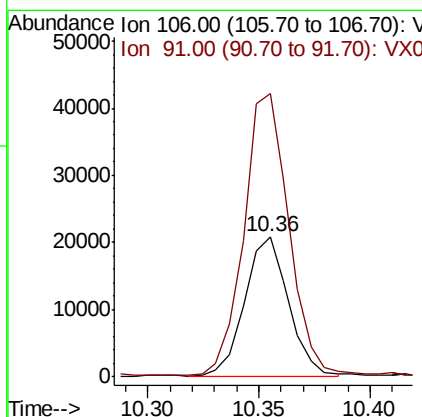
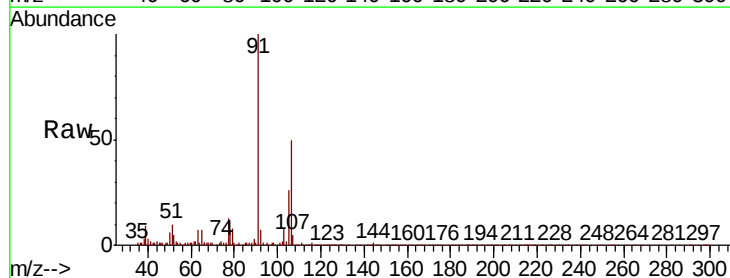
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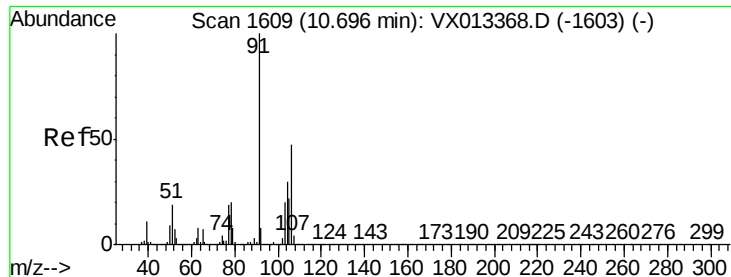
Tot Ion: 91 Resp: 19003
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.4



#67
m/p-Xylenes
Concen: 2.490 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

Tgt Ion: 106 Resp: 28361
Ion Ratio Lower Upper
106 100
91 209.2 158.4 237.6

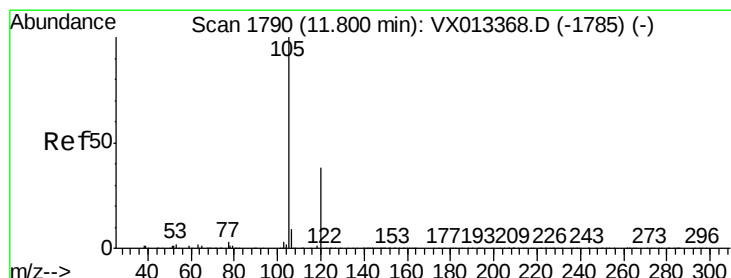
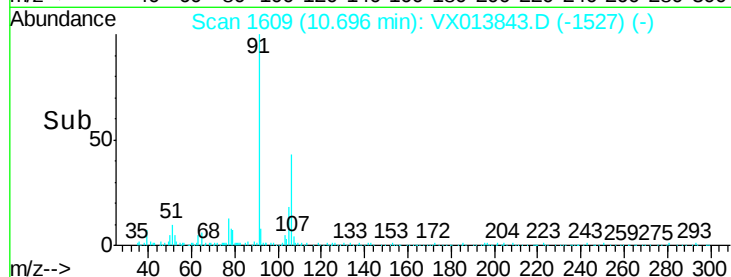
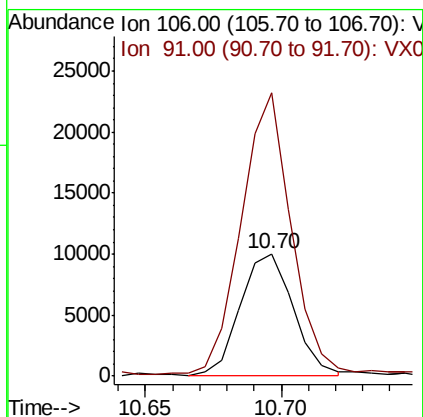
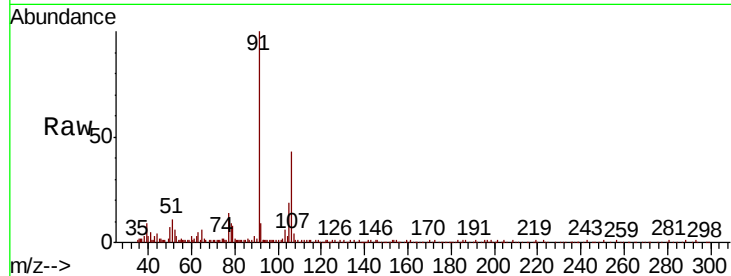




#68
o-Xylene
Concen: 1.215 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

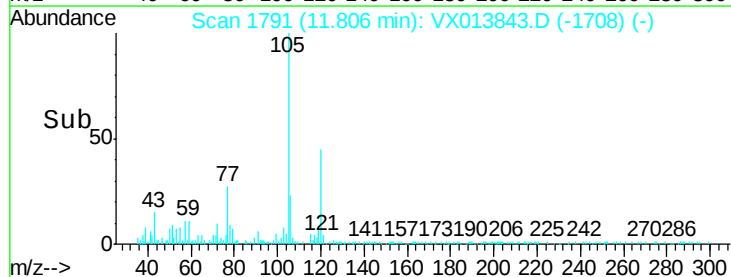
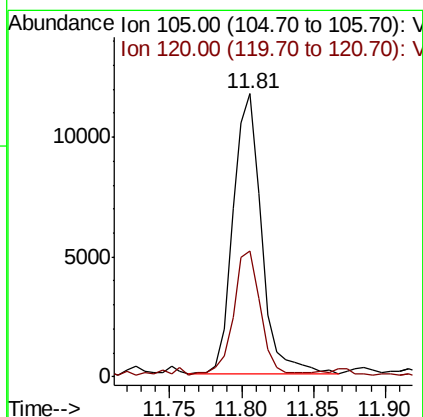
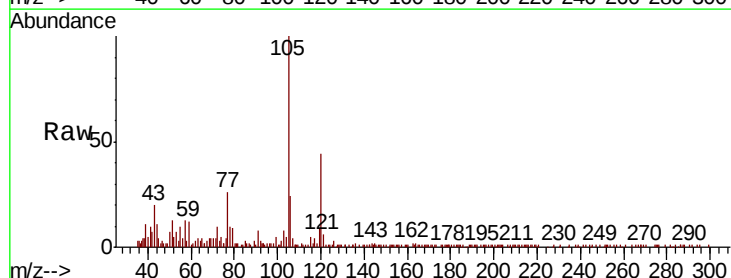
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(DEC)

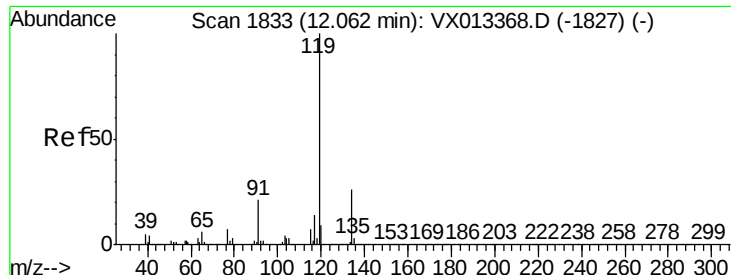
Tot Ion:106 Resp: 13356
Ion Ratio Lower Upper
106 100
91 217.5 106.4 319.2



#80
1,2,4-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013843.D
Acq: 07 Dec 2019 16:11

Tgt Ion:105 Resp: 16268
Ion Ratio Lower Upper
105 100
120 41.7 0.0 94.0





#82
 p-Isopropyltoluene
 Concen: 0.345 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013843.D
 Acq: 07 Dec 2019 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(DEC)

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.9	0.0	51.6
91	26.3	0.0	44.2

