

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110819\
 Data File : VX013360.D
 Acq On : 08 Nov 2019 16:15
 Operator : JC/SP
 Sample : K5777-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AOC-7-MIDDLE

Quant Time: Nov 11 03:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	799225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1256379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1121874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	562780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	449964	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	5.48	113	373867	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.71	98	1493613	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	518953	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

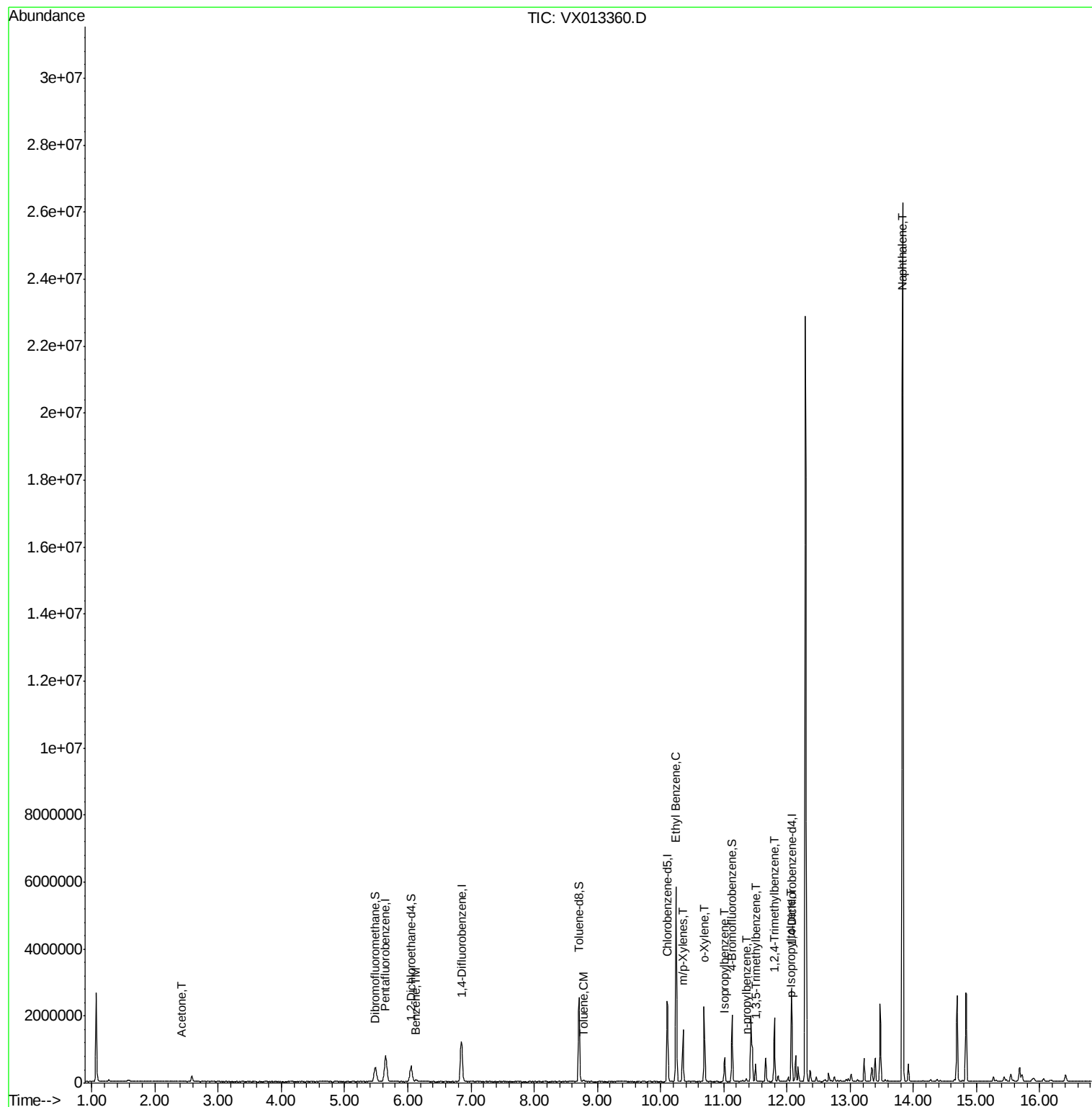
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	18681	3.956	ug/l	96
40) Benzene	6.14	78	67736	2.018	ug/l	100
52) Toluene	8.78	92	18193	0.874	ug/l	98
67) Ethyl Benzene	10.25	91	3270811	83.439	ug/l	98
68) m/p-Xylenes	10.35	106	376998	25.430	ug/l	98
69) o-Xylene	10.70	106	505024	34.795	ug/l	99
73) Isopropylbenzene	11.01	105	369294	9.897	ug/l	100
78) n-propylbenzene	11.35	91	54044	1.300	ug/l #	52
80) 1,3,5-Trimethylbenzene	11.50	105	218828	7.041	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	809095	25.951	ug/l	98
86) p-Isopropyltoluene	12.06	119	26105	0.788	ug/l #	73
95) Naphthalene	13.82	128	13496445	347.941	ug/l #	88

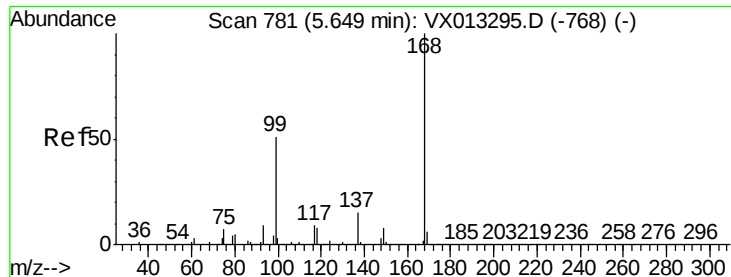
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

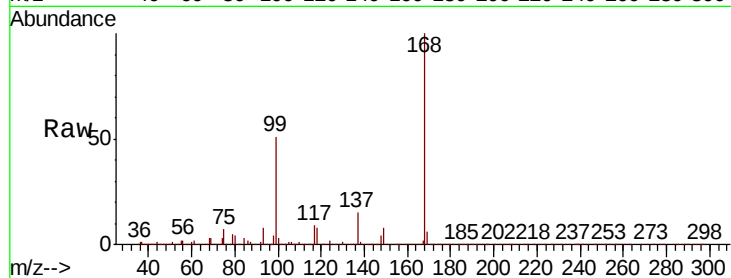
AOC-7-MIDDLE

Tot Ion:168 Resp: 799225

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

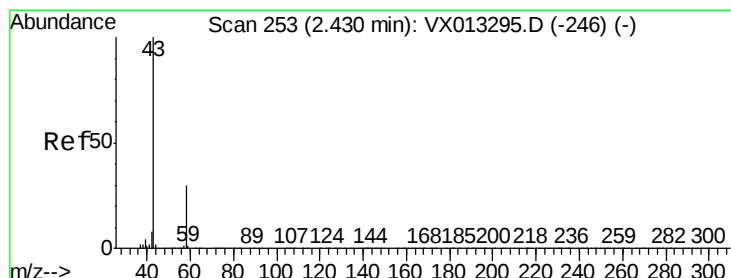
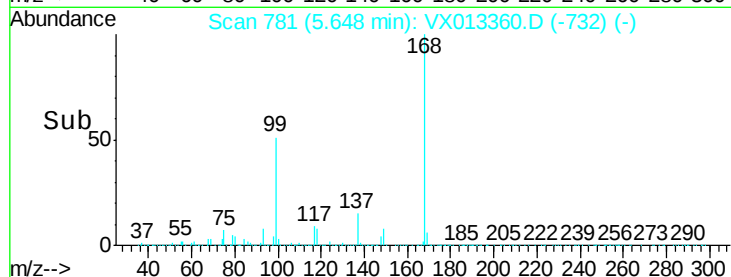
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.956 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013360.D

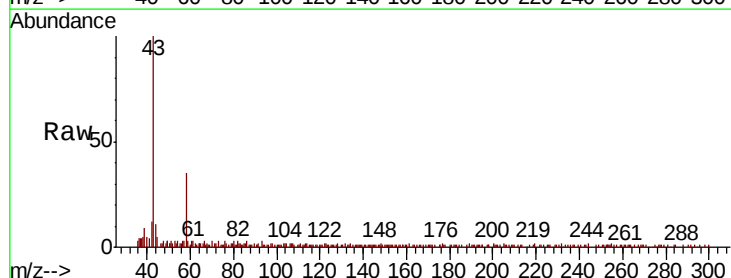
Acq: 08 Nov 2019 16:15

Tgt Ion: 43 Resp: 18681

Ion Ratio Lower Upper

43 100

58 32.8 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

12000

10000

8000

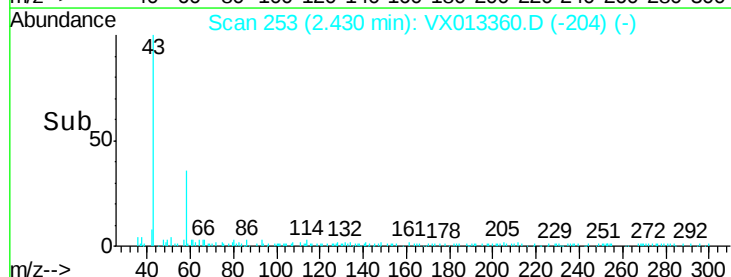
6000

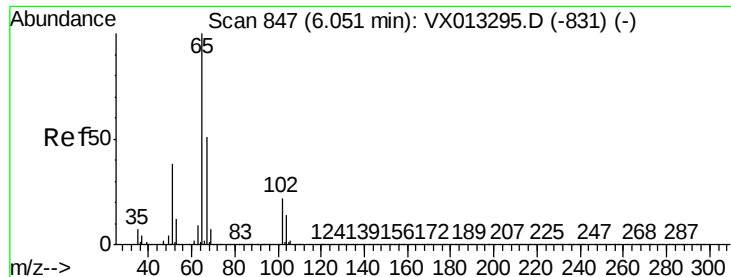
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.522 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

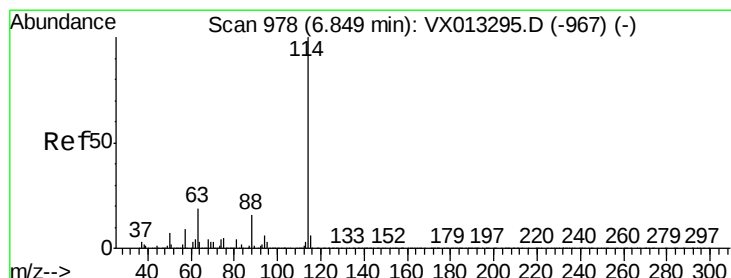
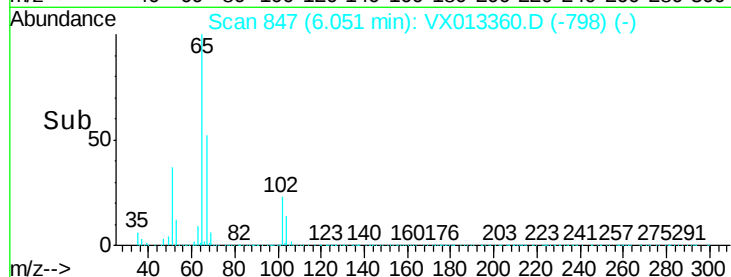
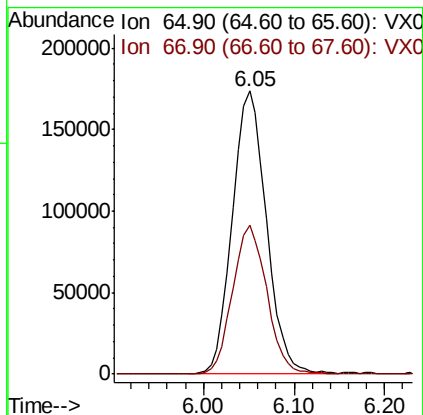
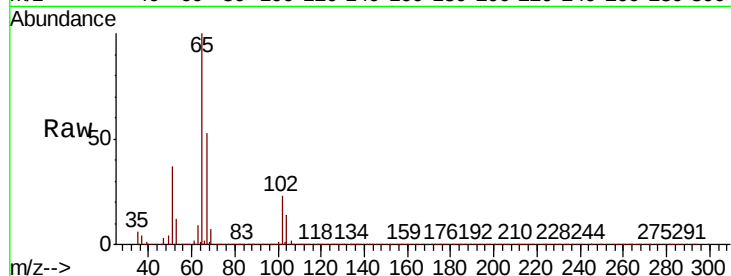
AOC-7-MIDDLE

Tot Ion: 65 Resp: 449964

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

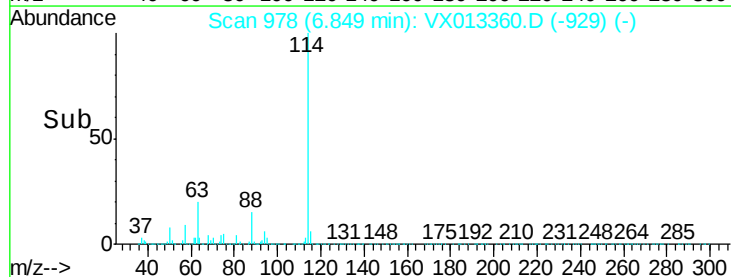
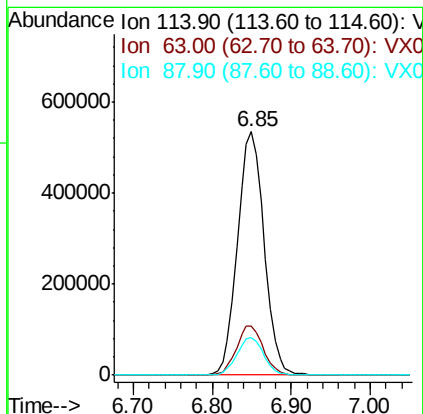
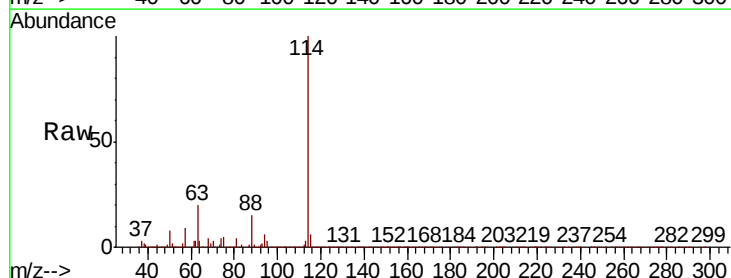
Tgt Ion: 114 Resp: 1256379

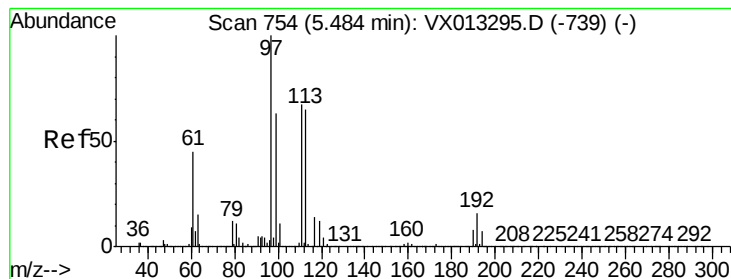
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

88 15.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.444 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

AOC-7-MIDDLE

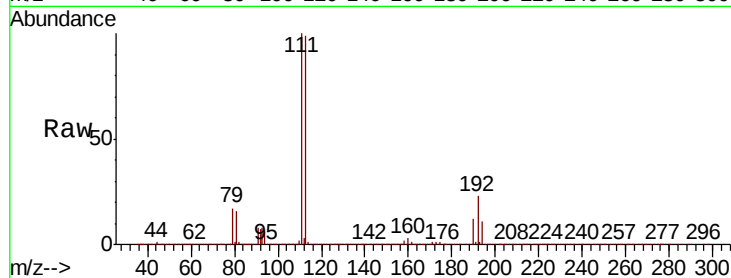
Tot Ion:113 Resp: 373867

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

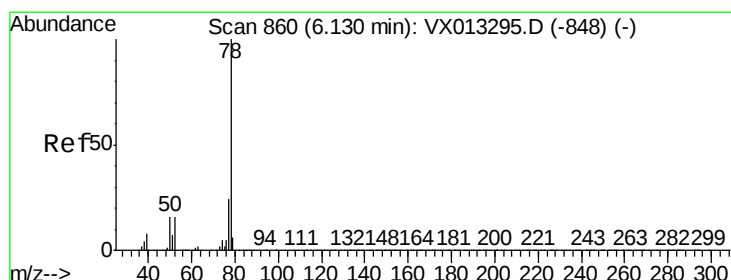
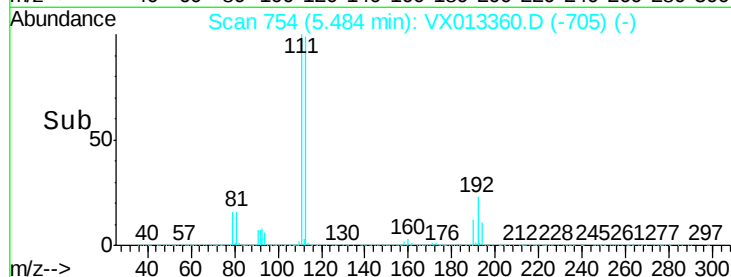
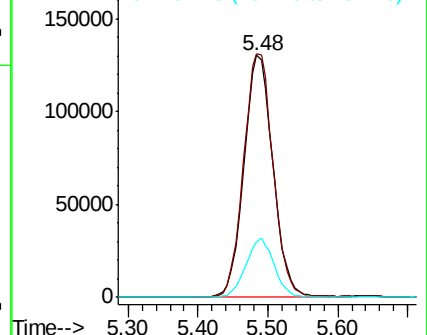
192 23.8 19.1 28.7



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



#40

Benzene

Concen: 2.018 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013360.D

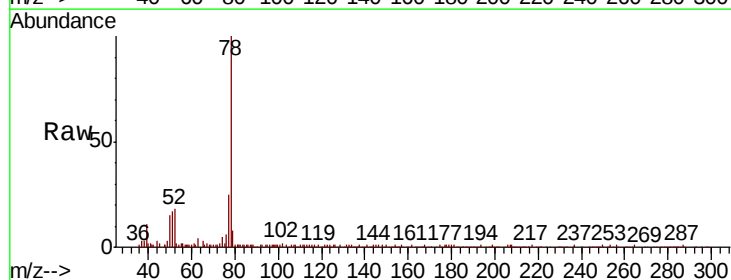
Acq: 08 Nov 2019 16:15

Tgt Ion: 78 Resp: 67736

Ion Ratio Lower Upper

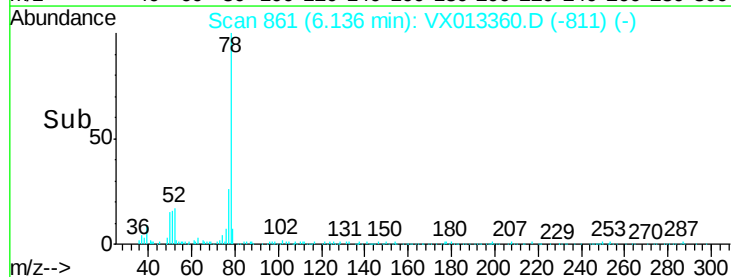
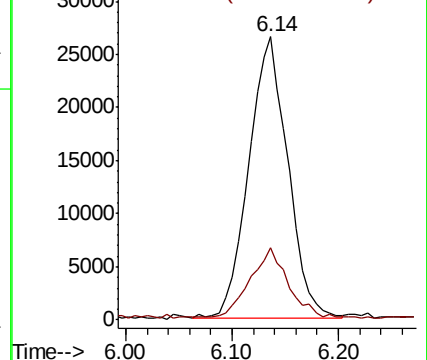
78 100

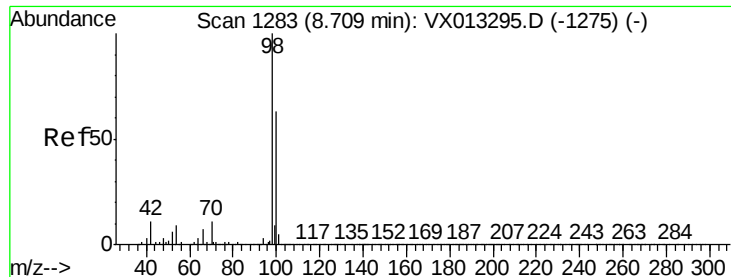
77 24.5 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

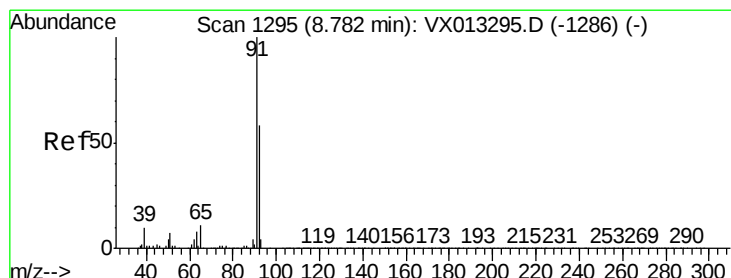
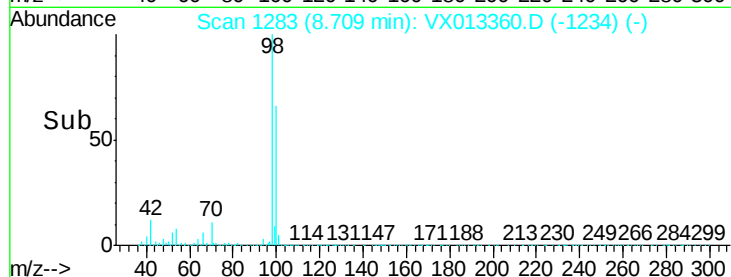
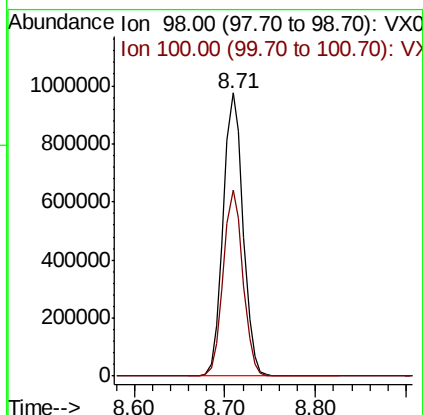
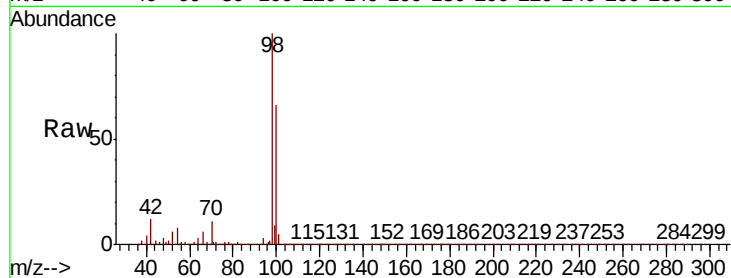




#50
Toluene-d8
Concen: 50.277 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013360.D
Acq: 08 Nov 2019 16:15

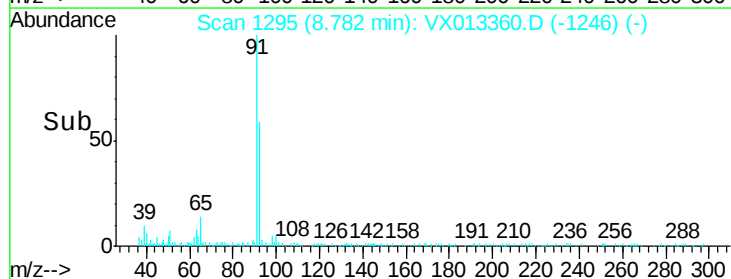
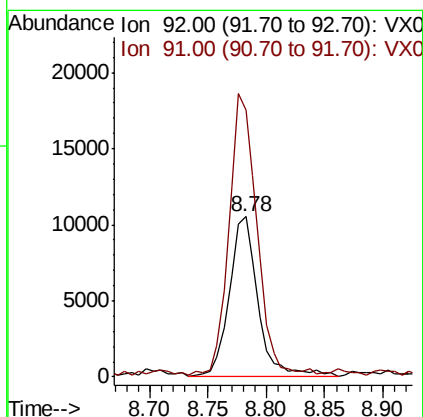
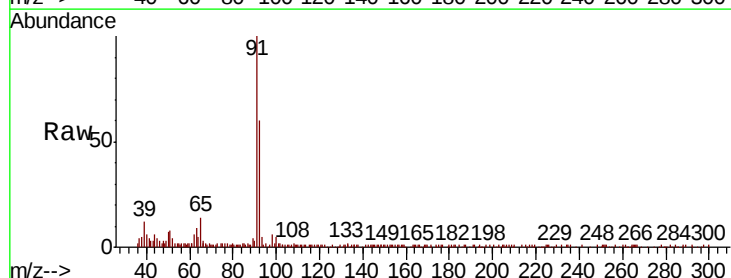
Instrument :
MSVOA_X
ClientSampled :
AOC-7-MIDDLE

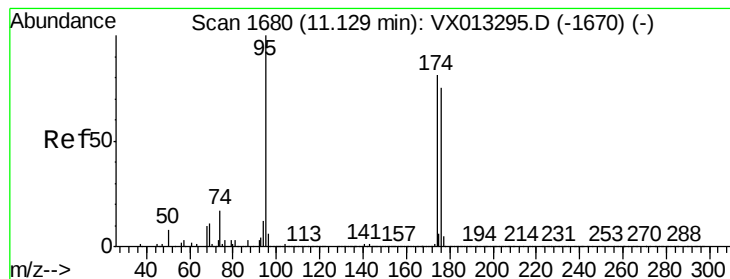
Tot Ion: 98 Resp: 1493613
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#52
Toluene
Concen: 0.874 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013360.D
Acq: 08 Nov 2019 16:15

Tgt Ion: 92 Resp: 18193
Ion Ratio Lower Upper
92 100
91 169.5 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 48.403 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

AOC-7-MIDDLE

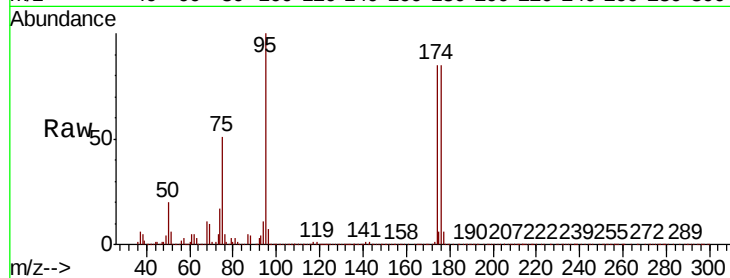
Tot Ion: 95 Resp: 518953

Ion Ratio Lower Upper

95 100

174 90.3 0.0 179.8

176 89.4 0.0 173.0



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

Time-->

11.13

500000

400000

300000

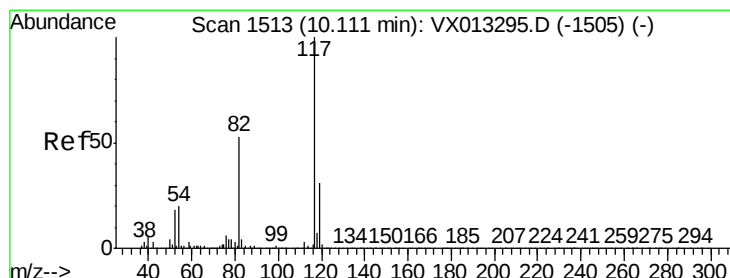
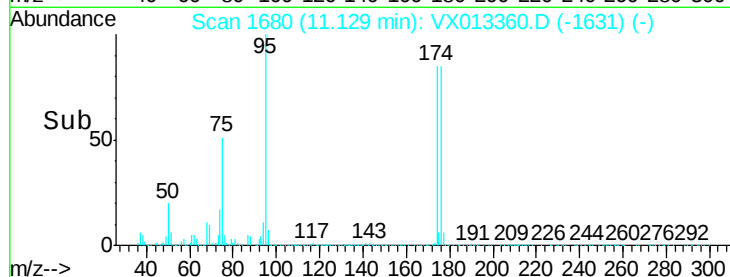
200000

100000

0

11.10

11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

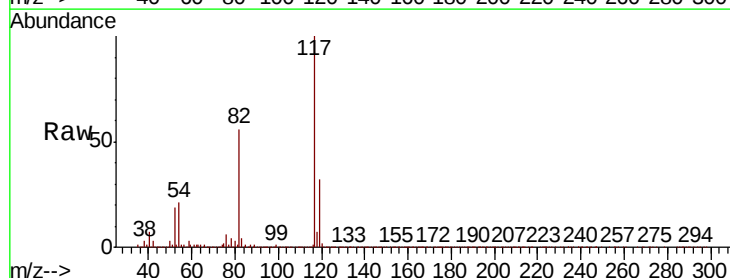
Tgt Ion: 117 Resp: 1121874

Ion Ratio Lower Upper

117 100

82 55.9 42.6 64.0

119 31.9 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->

10.11

1000000

800000

600000

400000

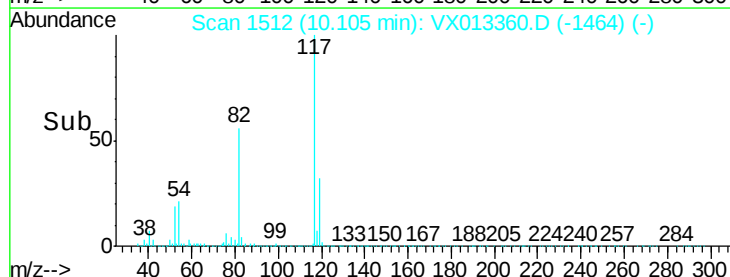
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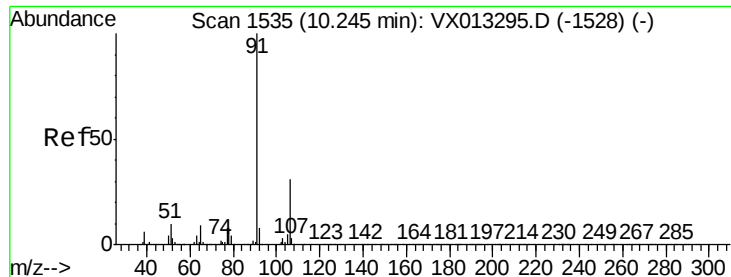
0

10.00

10.10

10.20

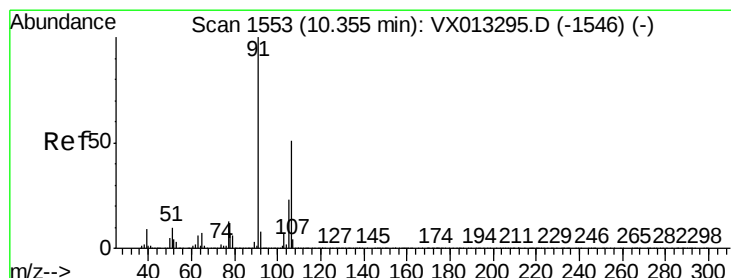
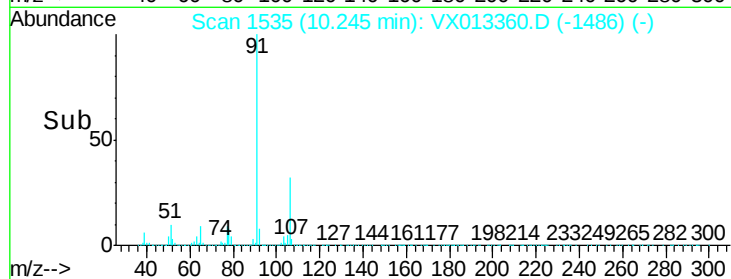
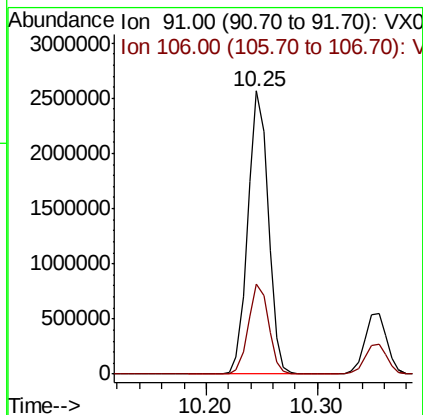
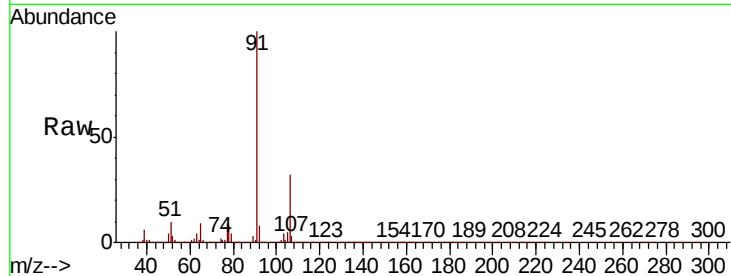




#67
Ethyl Benzene
Concen: 83.439 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013360.D
Acq: 08 Nov 2019 16:15

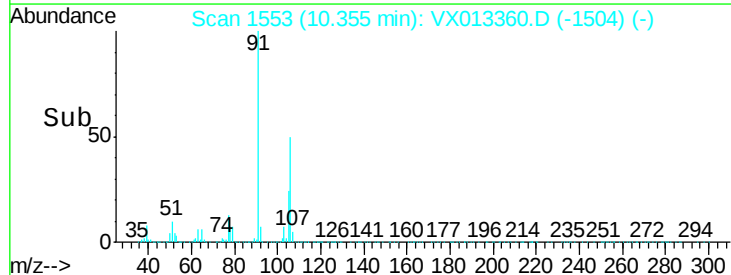
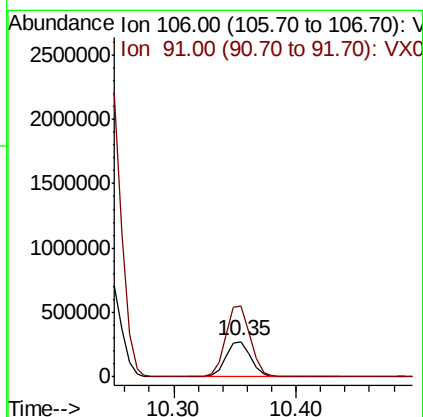
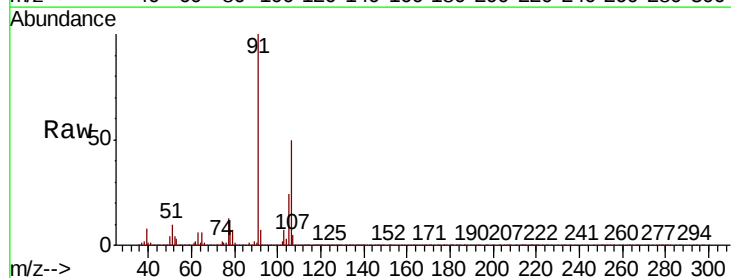
Instrument :
MSVOA_X
ClientSampleId :
AOC-7-MIDDLE

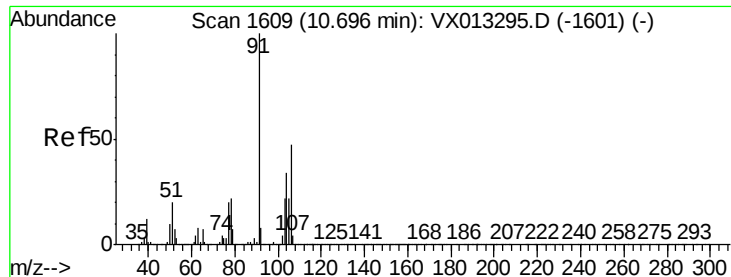
Tot Ion: 91 Resp: 3270811
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8



#68
m/p-Xylenes
Concen: 25.430 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013360.D
Acq: 08 Nov 2019 16:15

Tgt Ion: 106 Resp: 376998
Ion Ratio Lower Upper
106 100
91 201.7 159.3 238.9

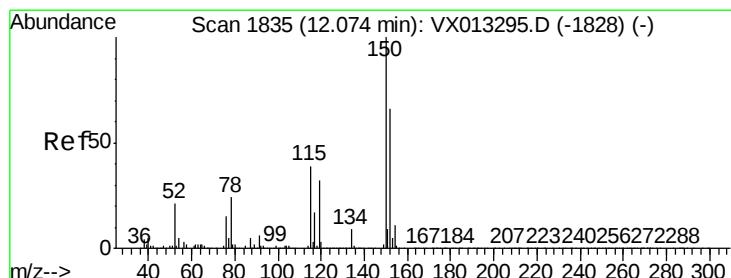
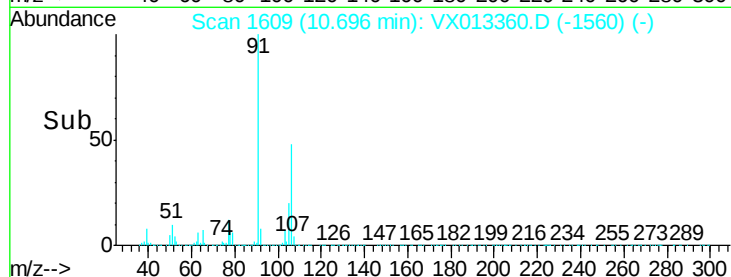
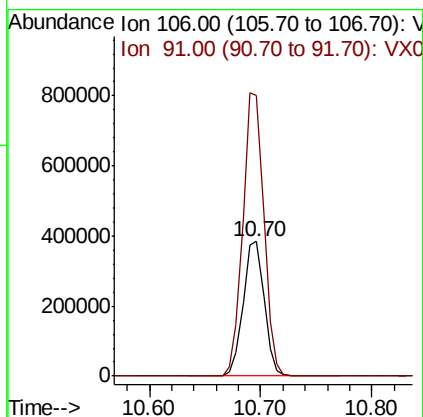
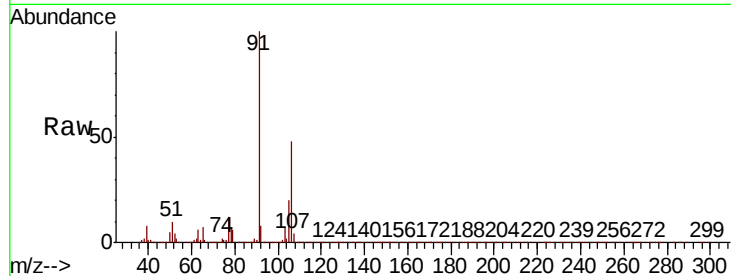




#69
o-Xylene
Concen: 34.795 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013360.D
Acq: 08 Nov 2019 16:15

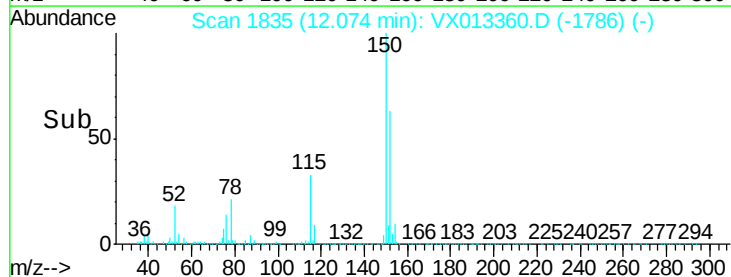
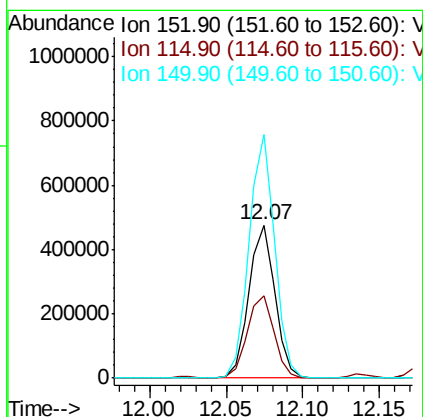
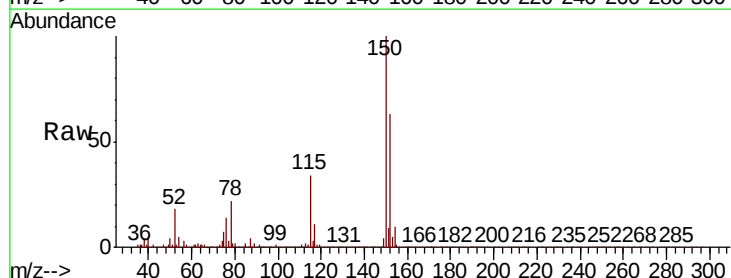
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ClientSampleId :
AOC-7-MIDDLE

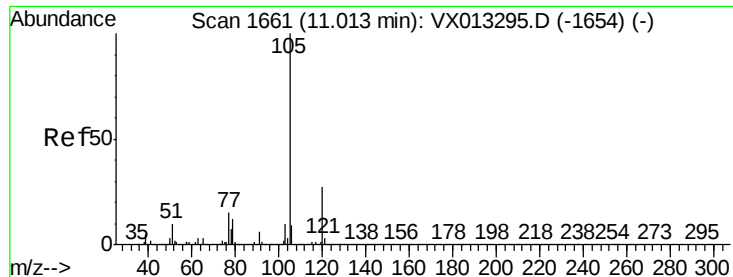
Tot Ion:106 Resp: 505024
Ion Ratio Lower Upper
106 100
91 210.5 105.7 317.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013360.D
Acq: 08 Nov 2019 16:15

Tgt Ion:152 Resp: 562780
Ion Ratio Lower Upper
152 100
115 55.1 39.5 118.3
150 156.6 0.0 344.4





#73

Isopropylbenzene

Concen: 9.897 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

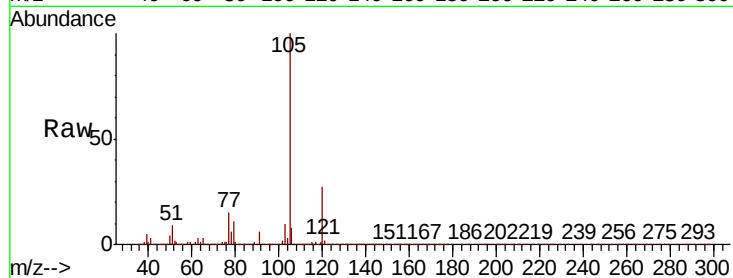
AOC-7-MIDDLE

Tot Ion:105 Resp: 369294

Ion Ratio Lower Upper

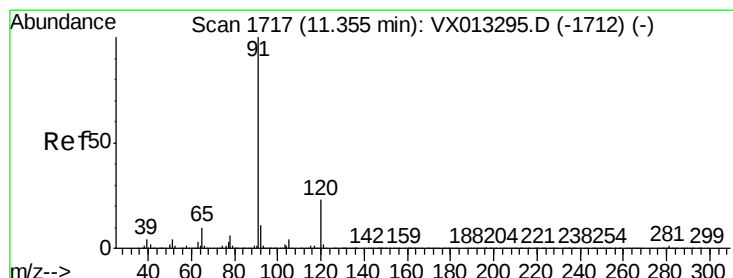
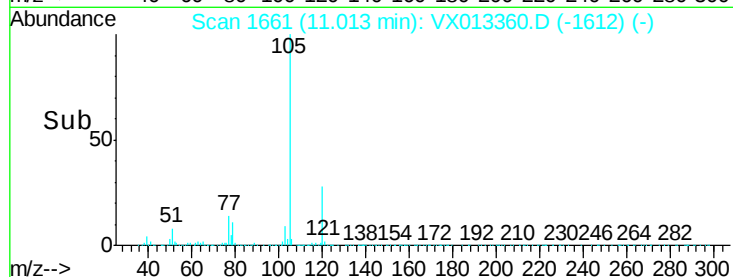
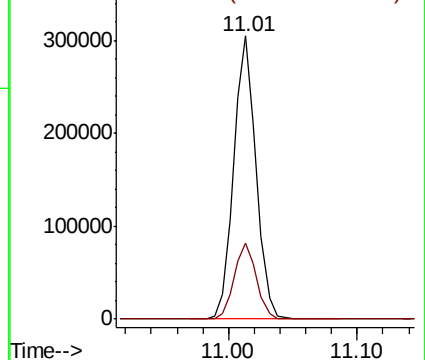
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.300 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013360.D

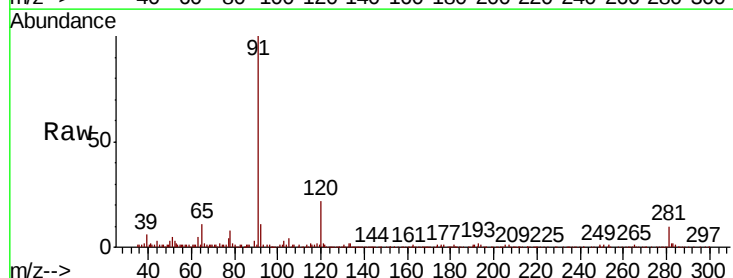
Acq: 08 Nov 2019 16:15

Tgt Ion: 91 Resp: 54044

Ion Ratio Lower Upper

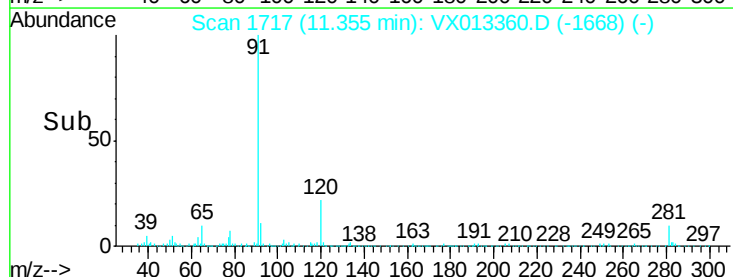
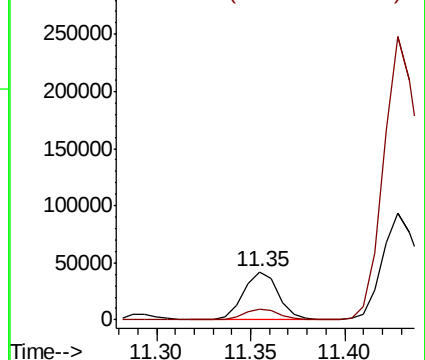
91 100

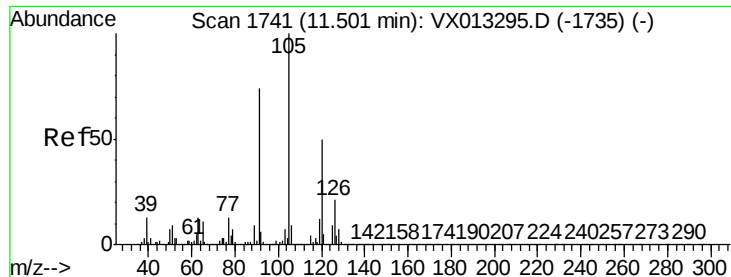
120 0.0 11.6 34.8#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

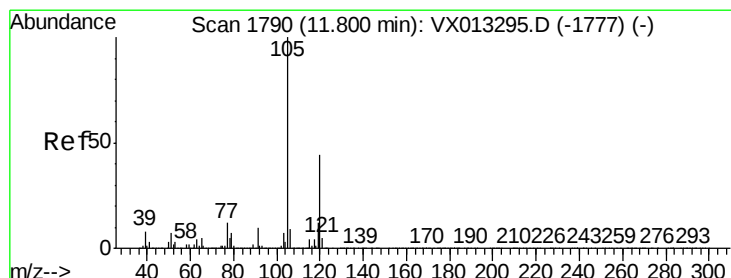
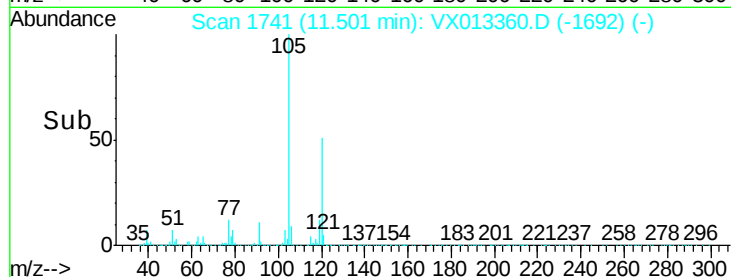
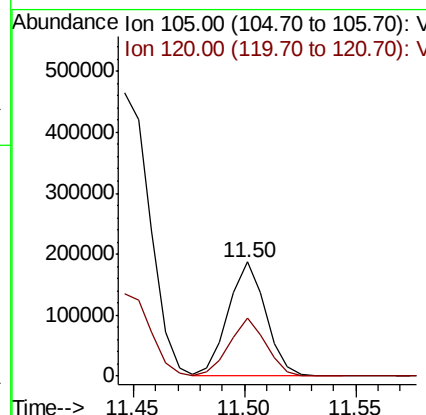
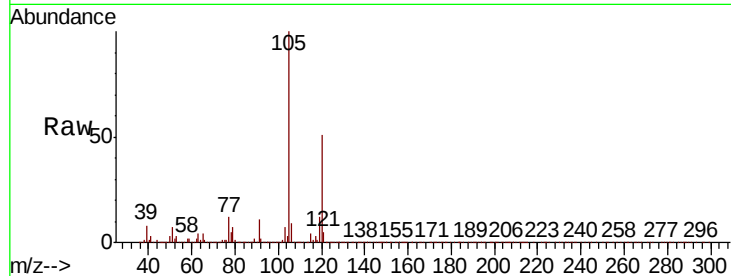




#80
 1,3,5-Trimethylbenzene
 Concen: 7.041 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013360.D
 Acq: 08 Nov 2019 16:15

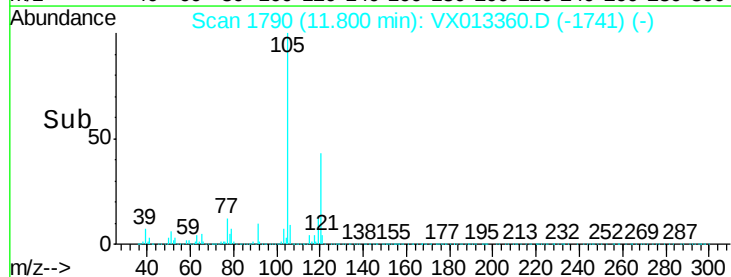
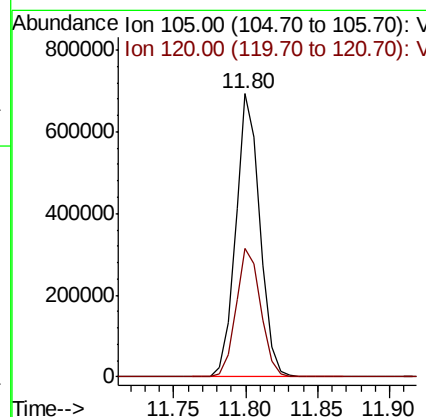
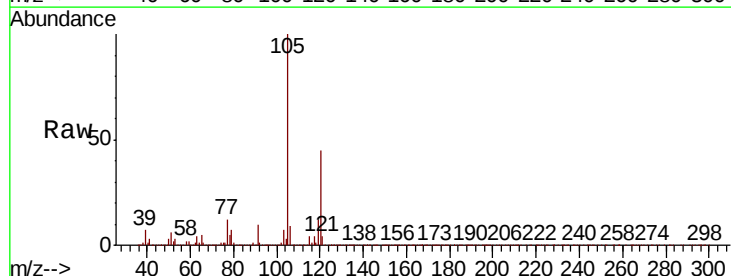
Instrument :
 MSVOA_X
 ClientSampleId :
 AOC-7-MIDDLE

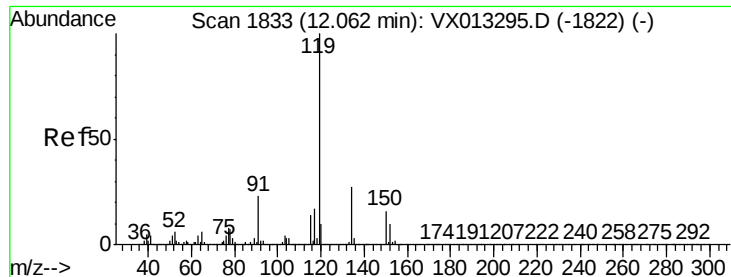
Tot Ion:105 Resp: 218828
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.9 74.8



#84
 1,2,4-Trimethylbenzene
 Concen: 25.951 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013360.D
 Acq: 08 Nov 2019 16:15

Tgt Ion:105 Resp: 809095
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.7 68.1





#86

p-Isopropyltoluene

Concen: 0.788 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

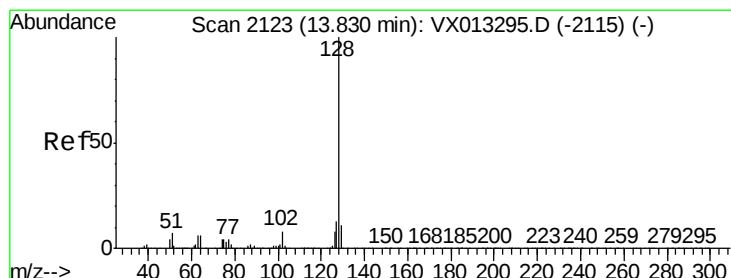
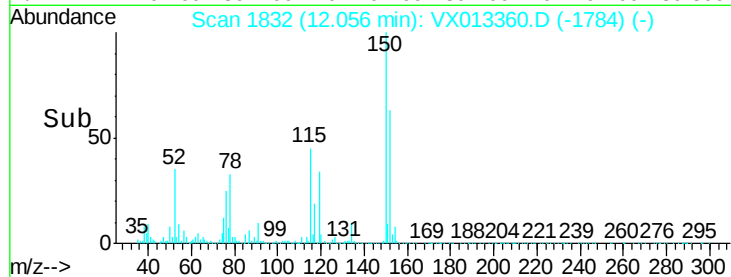
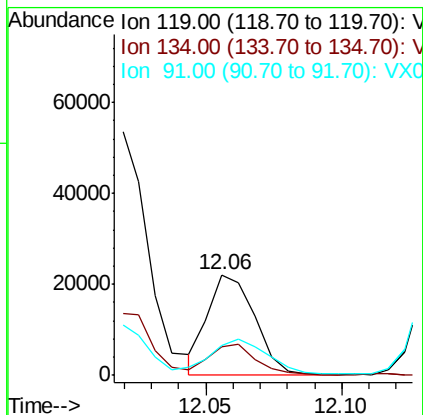
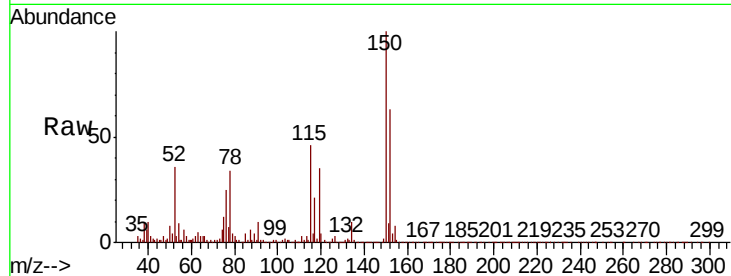
Instrument :

MSVOA_X

ClientSampleId :

AOC-7-MIDDLE

Tot Ion:	119	Resp:	26105
Ion Ratio	Lower	Upper	
119	100		
134	30.9	13.3	39.8
91	0.0	11.5	34.4#



#95

Naphthalene

Concen: 347.941 ug/l

RT: 13.82 min Scan# 2122

Delta R.T. -0.01 min

Lab File: VX013360.D

Acq: 08 Nov 2019 16:15

Tgt Ion:	128	Resp:	13496445
Ion Ratio	Lower	Upper	
128	100		
127	17.5	10.2	15.2#
129	15.1	8.5	12.7#

