

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001980.D
 Acq On : 25 May 2018 16:36
 Operator : JC/MD
 Sample : J3015-15
 Misc : 5.48g/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AOC7-BTM-5-5.5

Manual Integrations
 APPROVED

MMDadoda
 5/29/2018 4:39:23 PM

Quant Time: May 26 03:19:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	465728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	453745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	279799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	278486	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
35) Dibromofluoromethane	5.51	113	215765	46.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.66%	
50) Toluene-d8	8.72	98	814673	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.15	95	326317	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	7.46	83	7132	0.896	ug/l	92
67) Ethyl Benzene	10.26	91	32010	1.282	ug/l	94
68) m/p-Xylenes	10.37	106	24755	2.593	ug/l	97
69) o-Xylene	10.71	106	32519	3.411	ug/l	98
73) Isopropylbenzene	11.02	105	37006	1.562	ug/l	99
78) n-propylbenzene	11.37	91	120472	4.540	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	268843	13.277	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	990104	47.318	ug/l	98
85) sec-Butylbenzene	11.95	105	44122	1.847	ug/l	98
86) p-Isopropyltoluene	12.07	119	35790	1.675	ug/l	96
89) n-Butylbenzene	12.39	91	181935m	10.046	ug/l	
95) Naphthalene	13.84	128	356056	14.090	ug/l	99

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

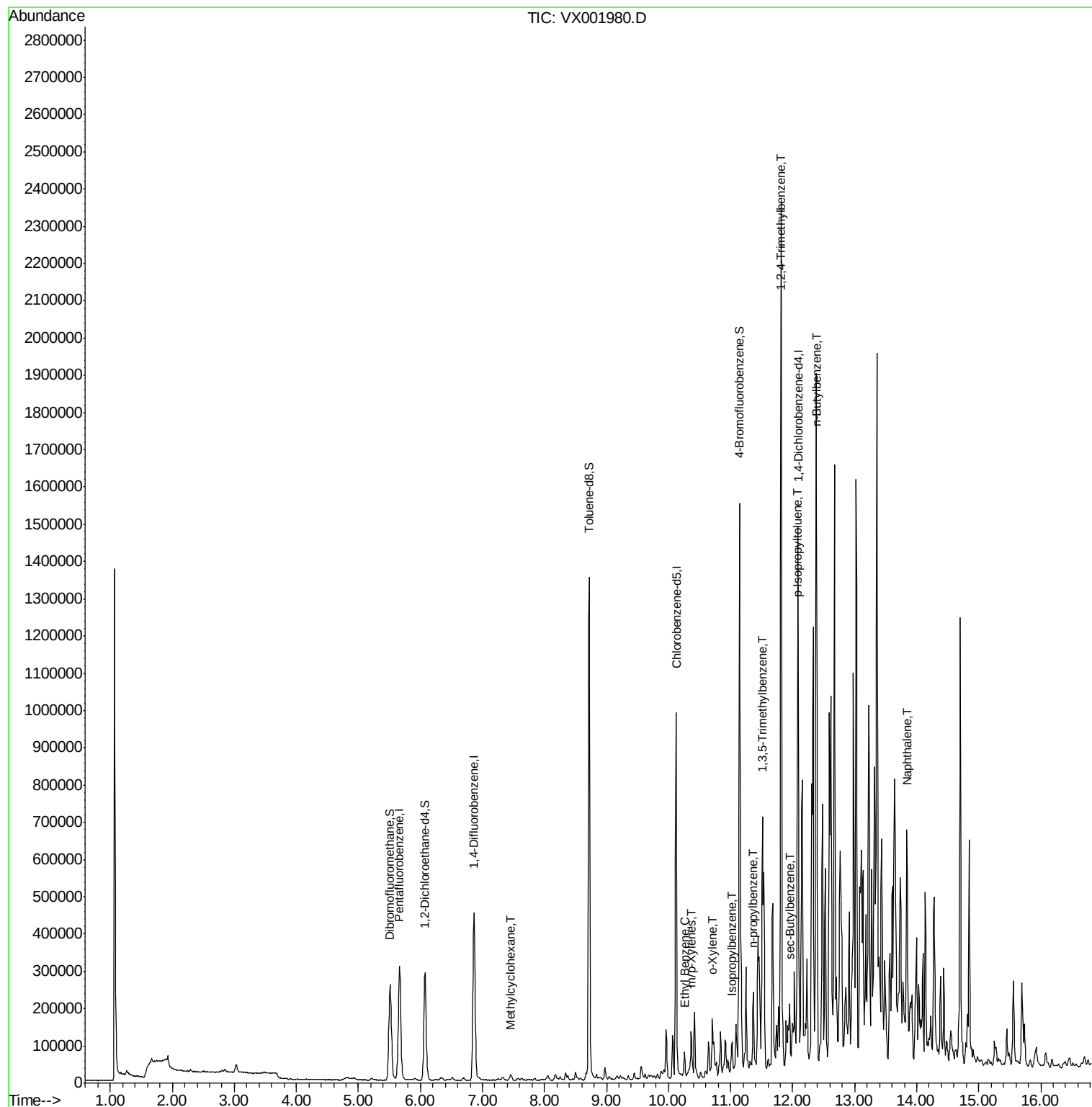
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
Data File : VX001980.D
Acq On : 25 May 2018 16:36
Operator : JC/MD
Sample : J3015-15
Misc : 5.48g/5mL/100uL/5mL/MSVOA_X/MEOH
ALS Vial : 15 Sample Multiplier: 1

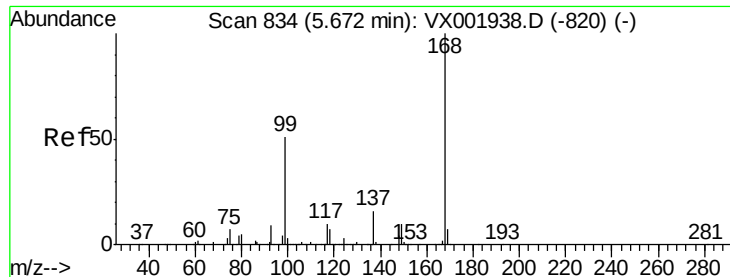
Instrument :
MSVOA_X
ClientSampleId :
AOC7-BTM-5-5.5

Manual Integrations
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5/29/2018 4:39:23 PM

Quant Time: May 26 03:19:33 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

AOC7-BTM-5-5.5

Tot Ion:168 Resp: 308412

Ion Ratio Lower Upper

168 100

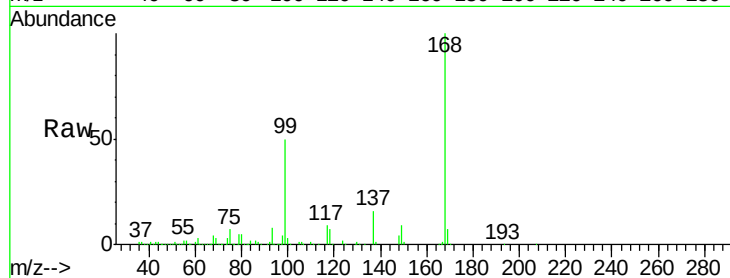
99 50.3 41.0 61.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

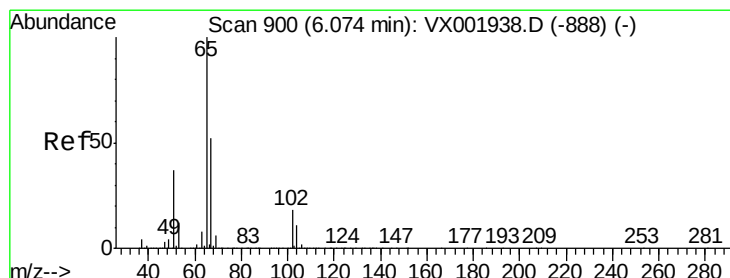
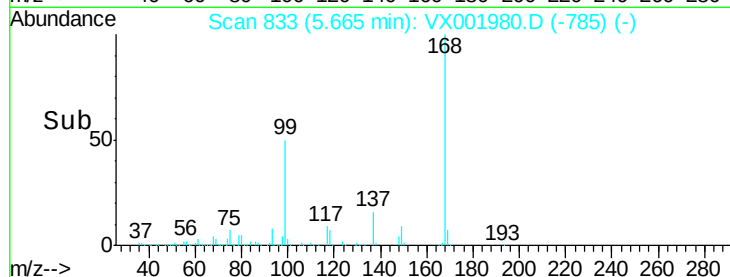
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.516 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001980.D

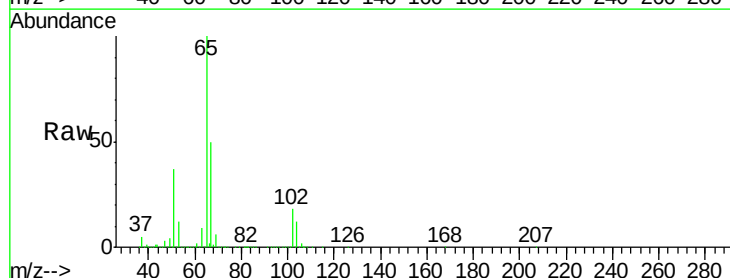
Acq: 25 May 2018 16:36

Tgt Ion: 65 Resp: 278486

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

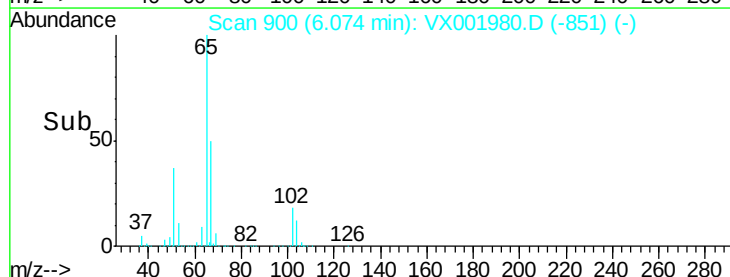
60000

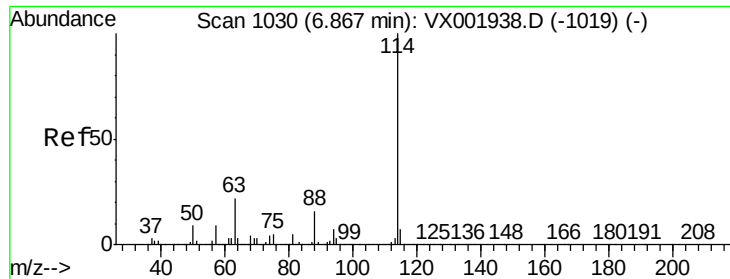
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

Instrument :

MSVOA_X

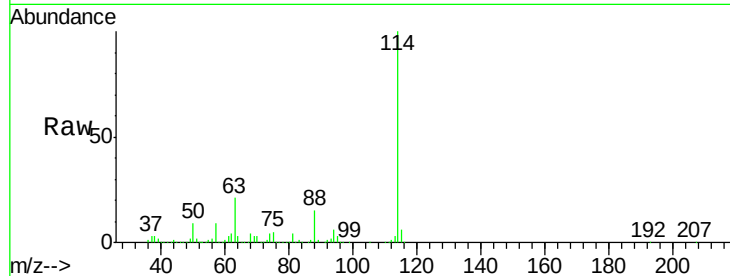
ClientSampleId :

AOC7-BTM-5-5.5

Tot Ion:	114	Resp:	465728
Ion Ratio		Lower	Upper
114	100		
63	21.0	0.0	43.2
88	15.2	0.0	31.6

Manual Integrations
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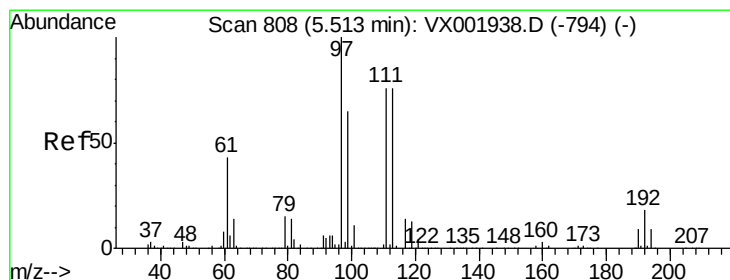
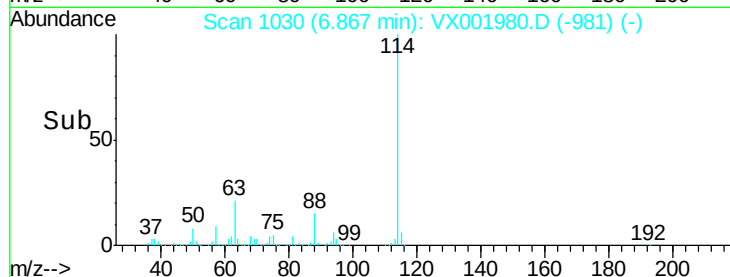
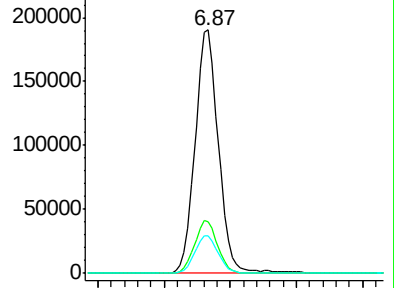
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.328 ug/l

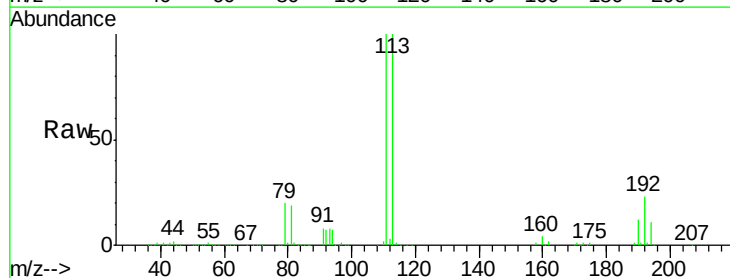
RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

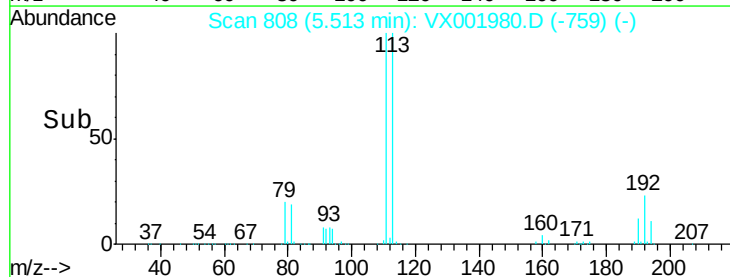
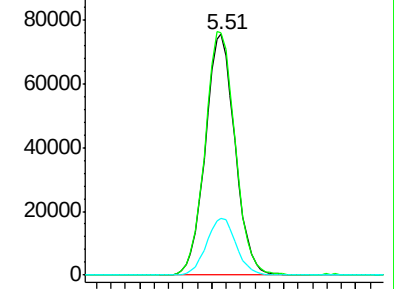
Tgt Ion:	113	Resp:	215765
Ion Ratio		Lower	Upper
113	100		
111	102.4	82.0	123.0
192	23.7	18.9	28.3

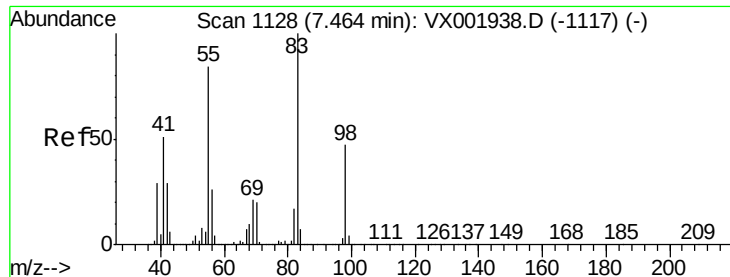


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





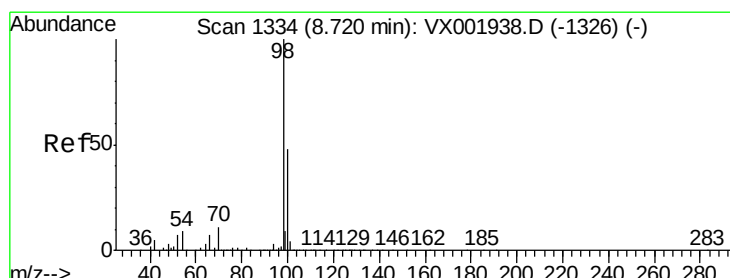
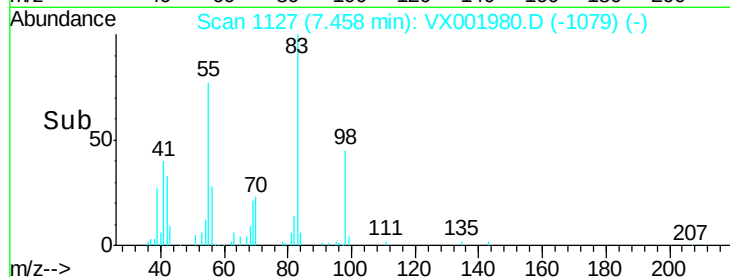
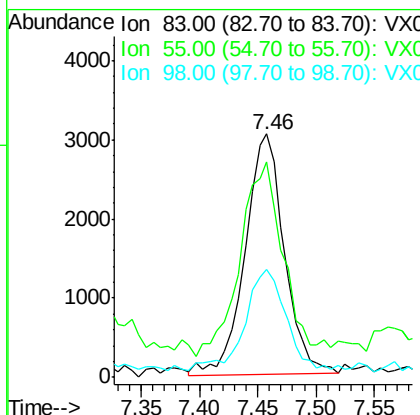
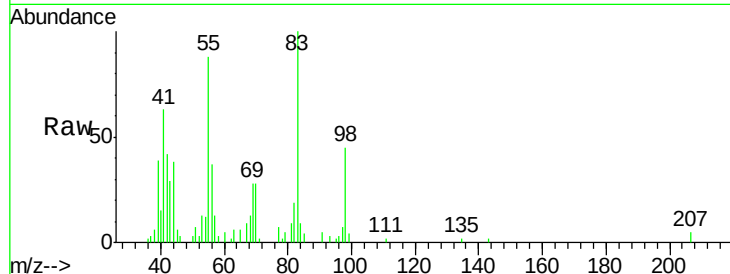
#39
Methylvlcyclohexane
Concen: 0.896 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX001980.D
Acq: 25 May 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :
AOC7-BTM-5-5.5

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	67.3	100.9
98	42.6	37.5	56.3

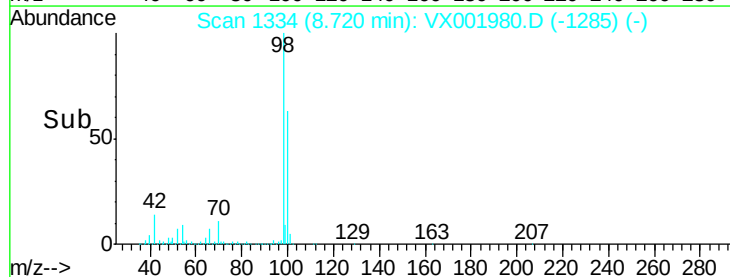
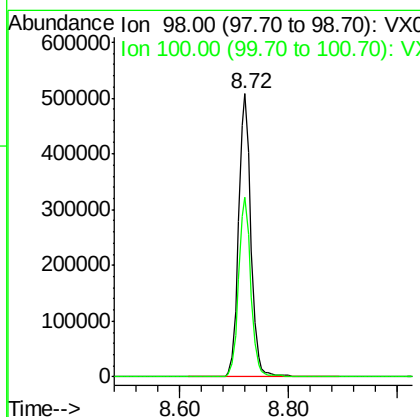
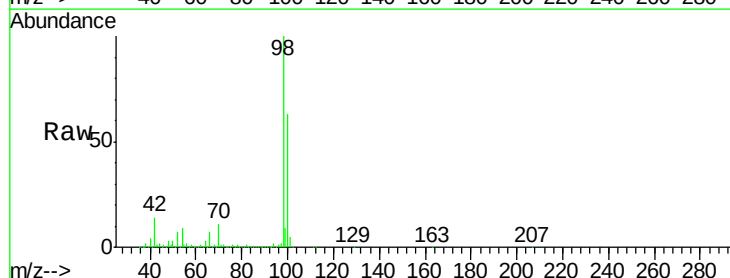
Manual Integrations
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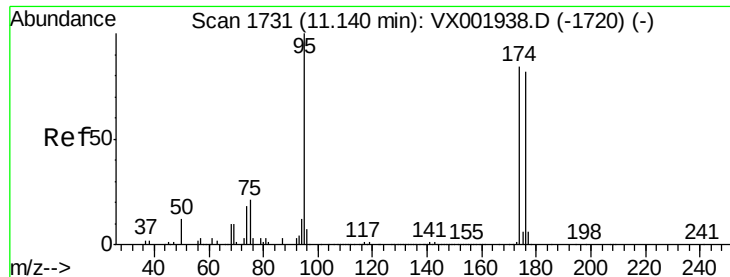
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#50
Toluene-d8
Concen: 48.317 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001980.D
Acq: 25 May 2018 16:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.5	77.3





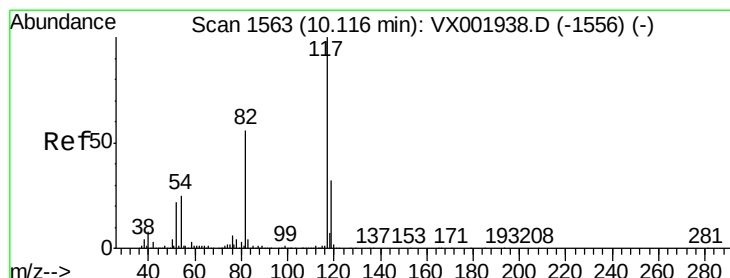
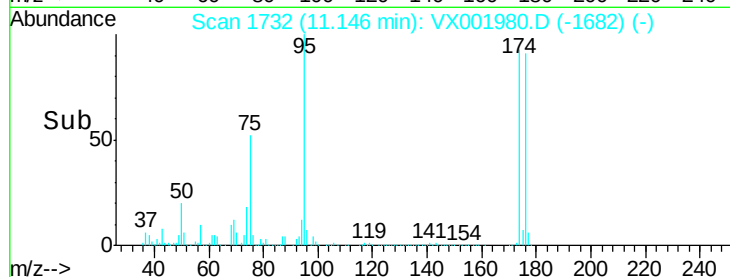
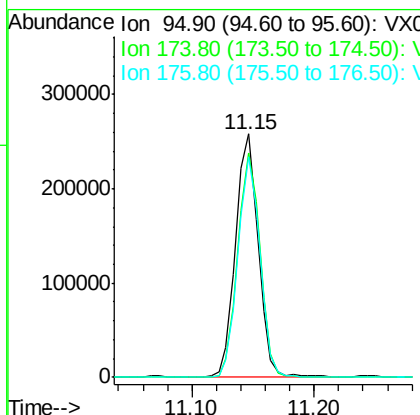
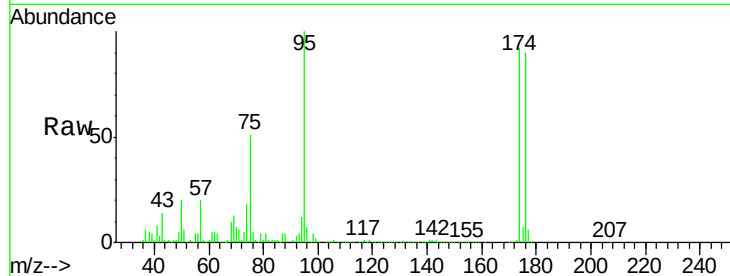
#62
4-Bromofluorobenzene
Concen: 49.464 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001980.D
Acq: 25 May 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :
AOC7-BTM-5-5.5

Tot Ion	Ratio	Resp	Lower	Upper
95	100	326317		
174	92.0	0.0	178.8	
176	89.1	0.0	175.6	

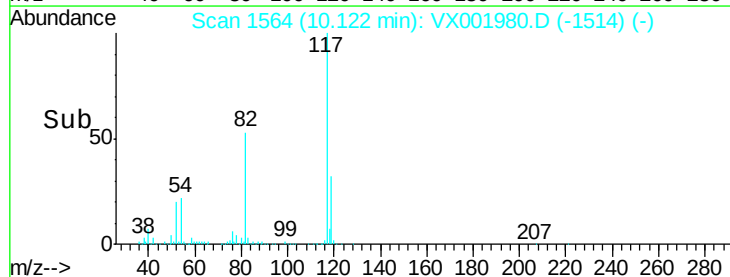
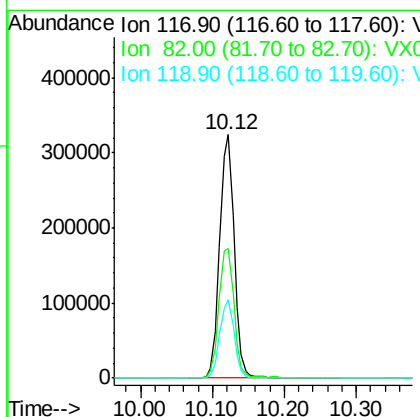
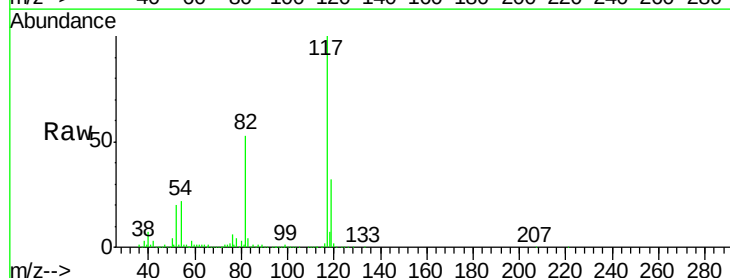
Manual Integrations
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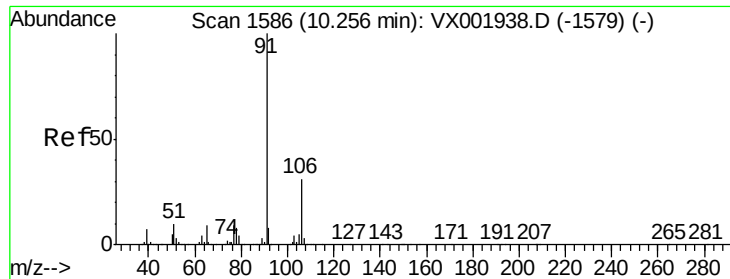
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001980.D
Acq: 25 May 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	453745		
82	53.2	44.8	67.2	
119	32.3	25.5	38.3	





#67

Ethyl Benzene

Concen: 1.282 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

AOC7-BTM-5-5.5

Tot Ion: 91 Resp: 32010

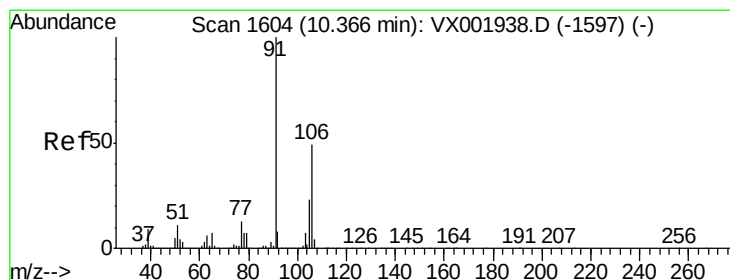
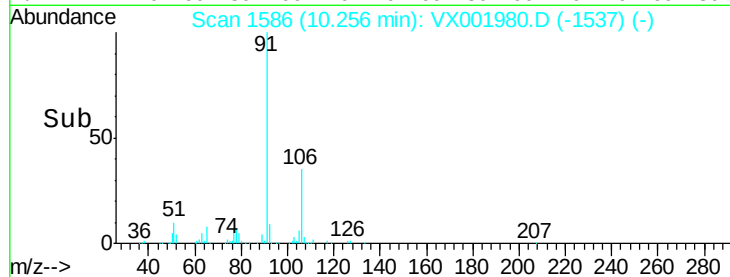
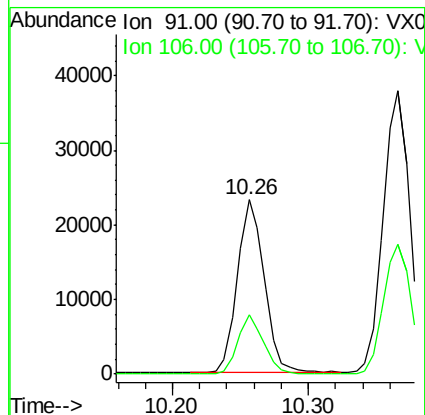
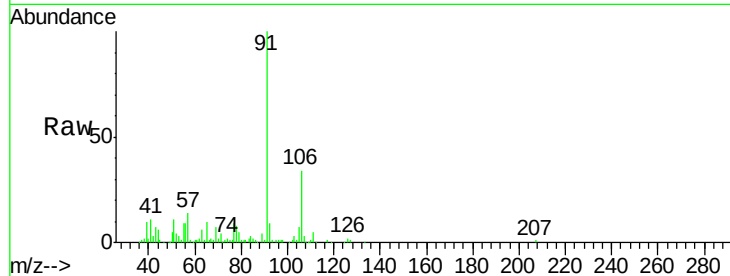
Ion Ratio Lower Upper

91 100

106 34.7 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 2.593 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001980.D

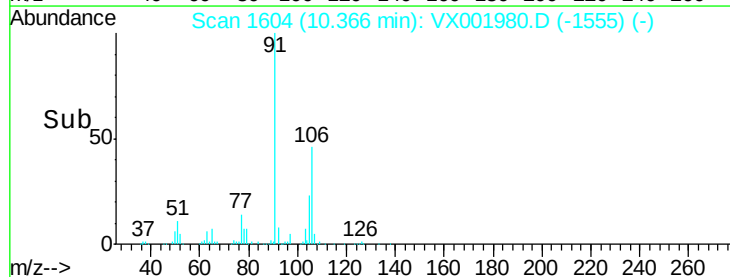
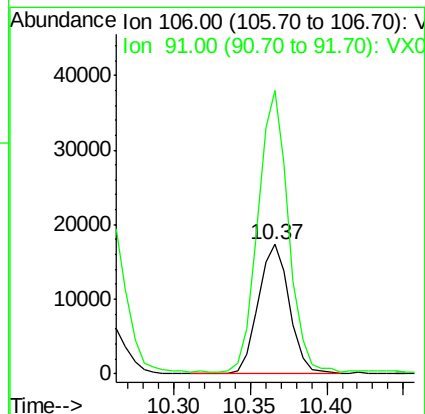
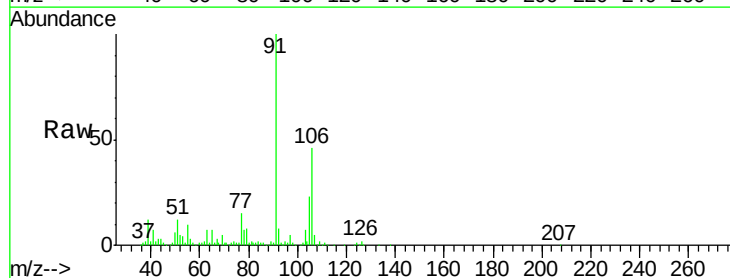
Acq: 25 May 2018 16:36

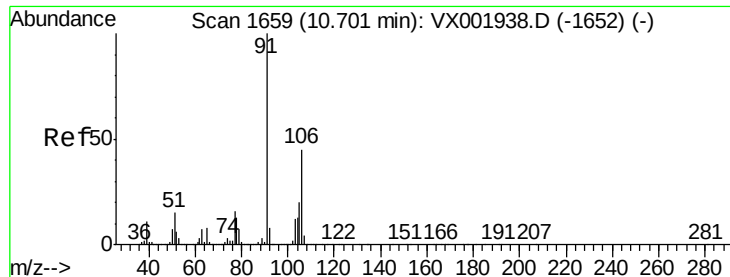
Tgt Ion: 106 Resp: 24755

Ion Ratio Lower Upper

106 100

91 211.2 165.0 247.6





#69

o-Xylene

Concen: 3.411 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

AOC7-BTM-5-5.5

Tot Ion:106 Resp: 32519

Ion Ratio Lower Upper

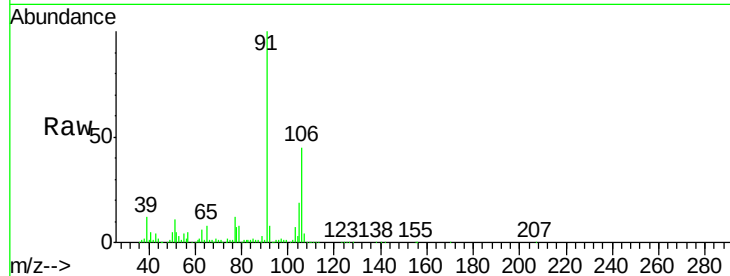
106 100

91 214.7 108.7 325.9

Manual Integrations
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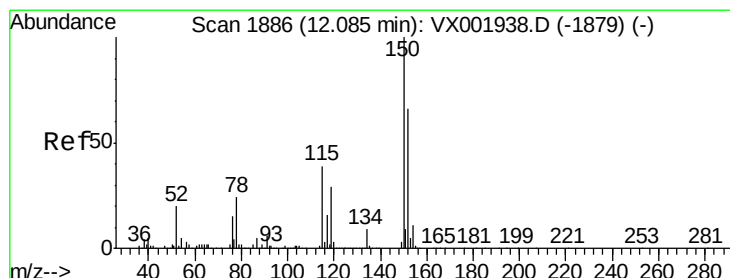
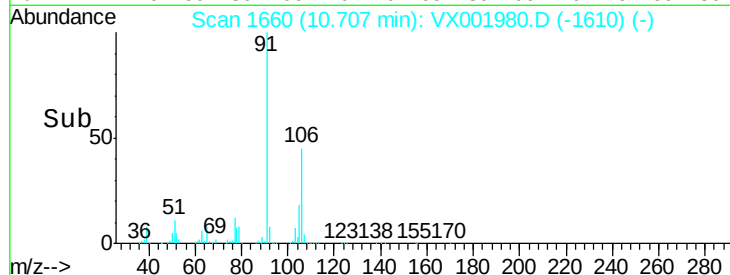
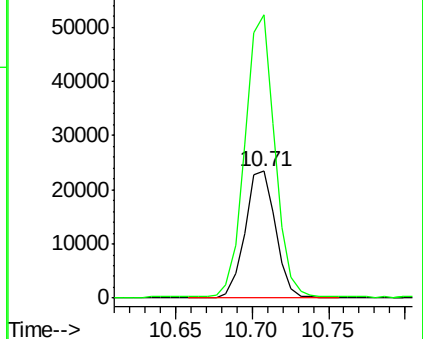
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

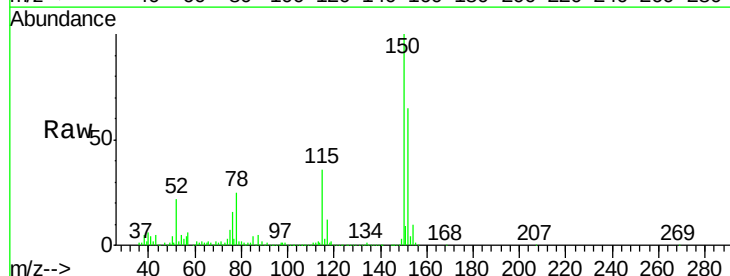
Tgt Ion:152 Resp: 279799

Ion Ratio Lower Upper

152 100

115 56.7 42.3 126.8

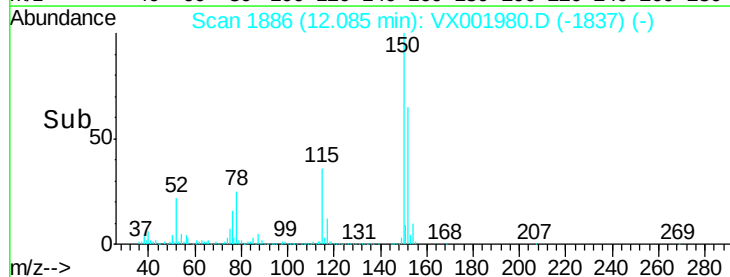
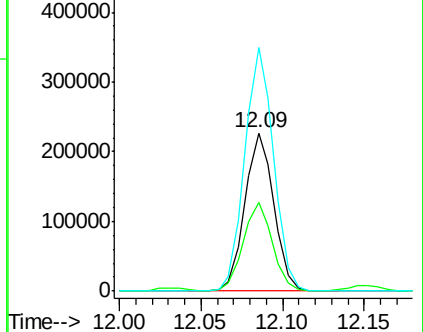
150 154.5 0.0 351.0

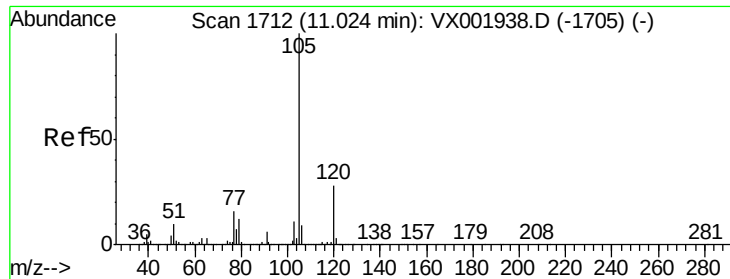


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.562 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

AOC7-BTM-5-5.5

Tot Ion:105 Resp: 37006

Ion Ratio Lower Upper

105 100

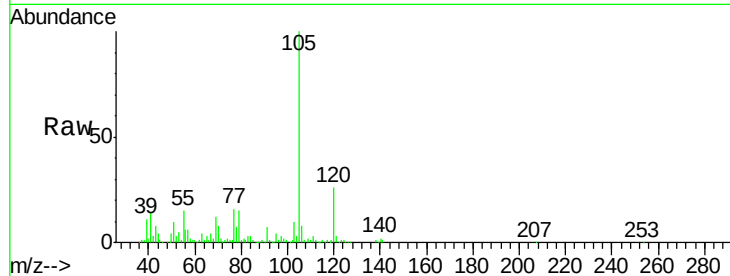
120 26.4 13.6 40.7

Manual Integrations

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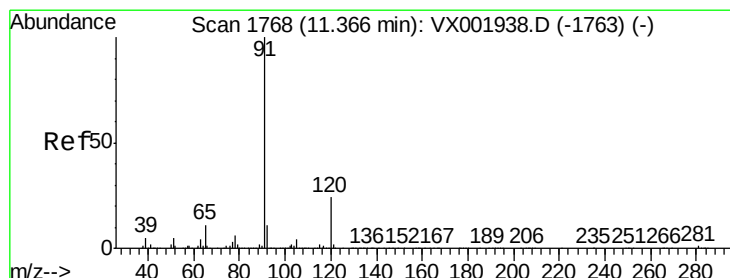
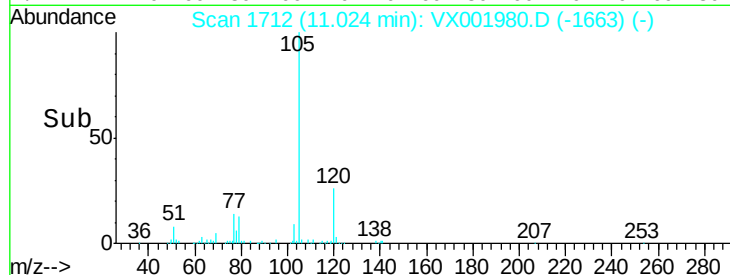
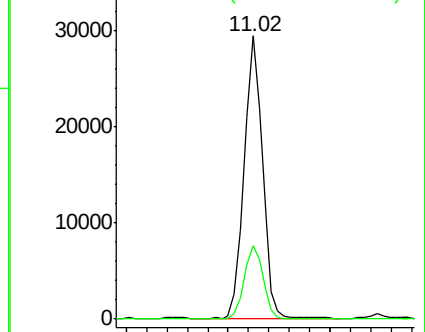
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 4.540 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001980.D

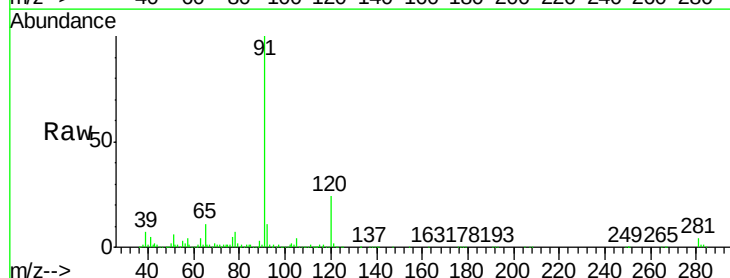
Acq: 25 May 2018 16:36

Tgt Ion: 91 Resp: 120472

Ion Ratio Lower Upper

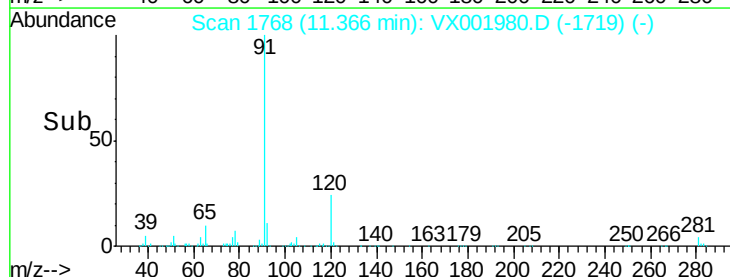
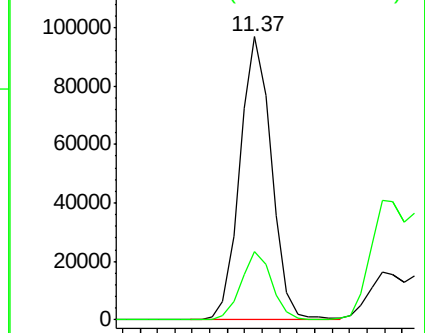
91 100

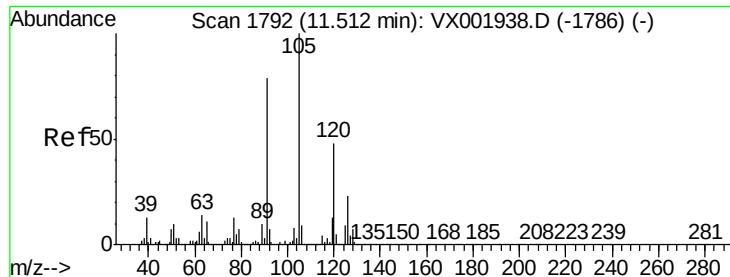
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





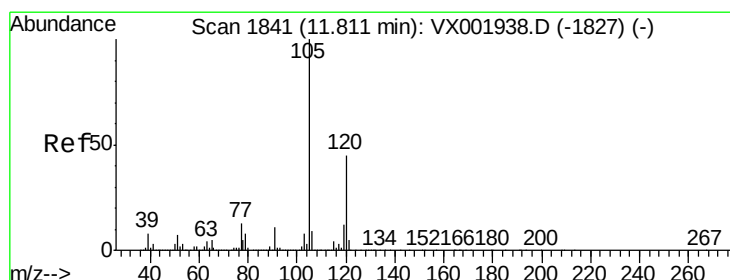
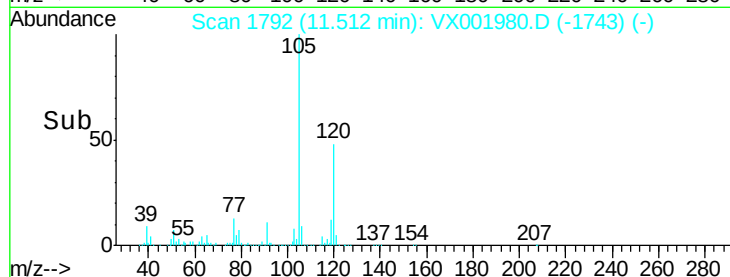
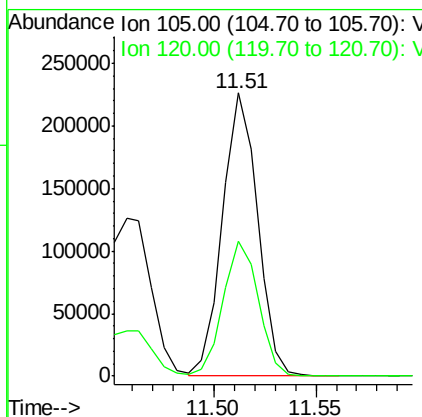
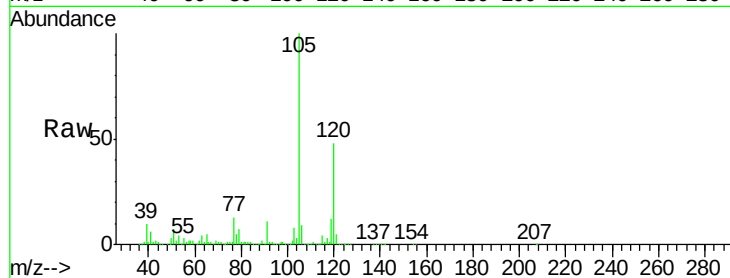
#80
 1,3,5-Trimethylbenzene
 Concen: 13.277 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001980.D
 Acq: 25 May 2018 16:36

Instrument :
 MSVOA_X
 ClientSampleId :
 AOC7-BTM-5-5.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.1	72.4

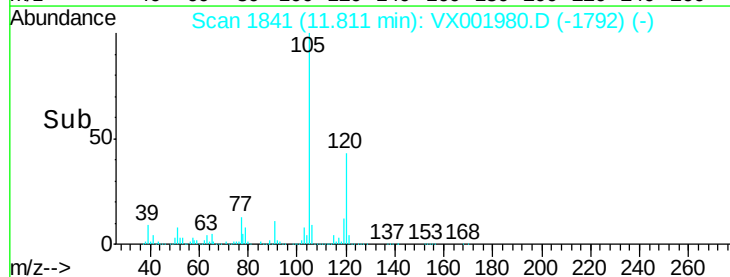
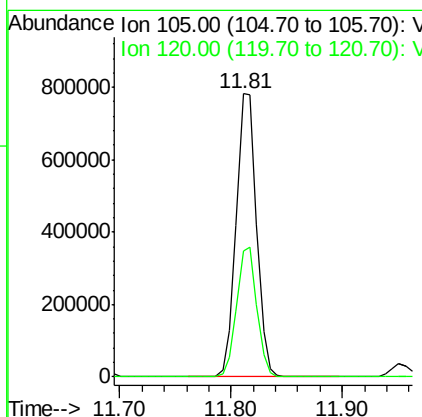
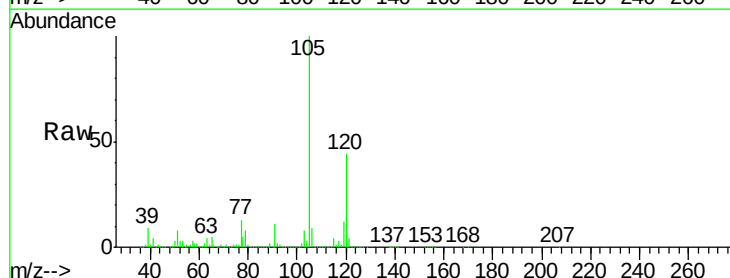
Manual Integrations
 APPROVED

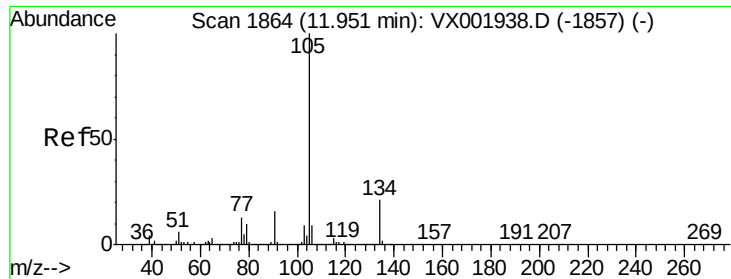
MMDadoda
 5/29/2018 4:39:23 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.318 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001980.D
 Acq: 25 May 2018 16:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 1.847 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

AOC7-BTM-5-5.5

Tot Ion:105 Resp: 44122

Ion Ratio Lower Upper

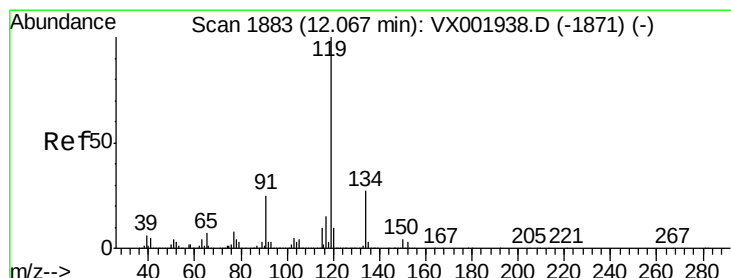
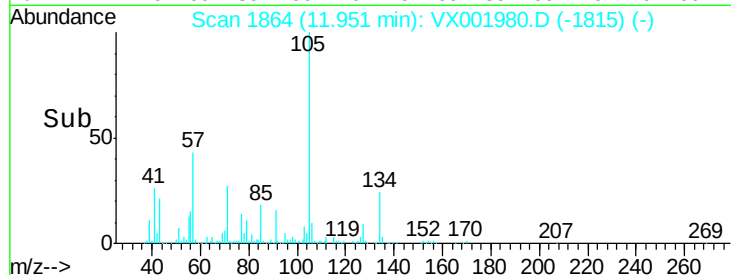
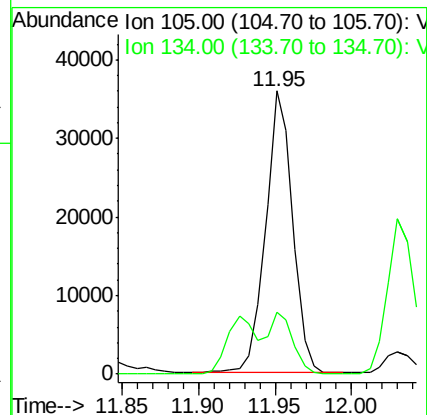
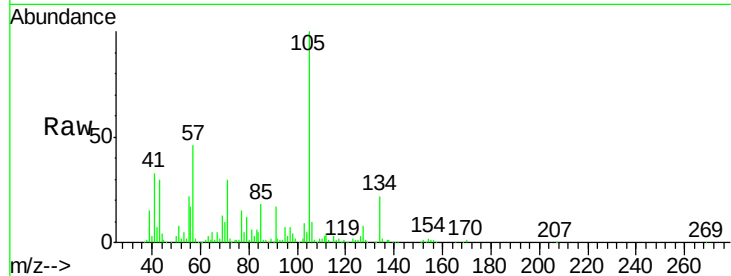
105 100

134 20.2 10.4 31.4

Manual Integrations
APPROVED

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5/29/2018 4:39:23 PM



#86

p-Isopropyltoluene

Concen: 1.675 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001980.D

Acq: 25 May 2018 16:36

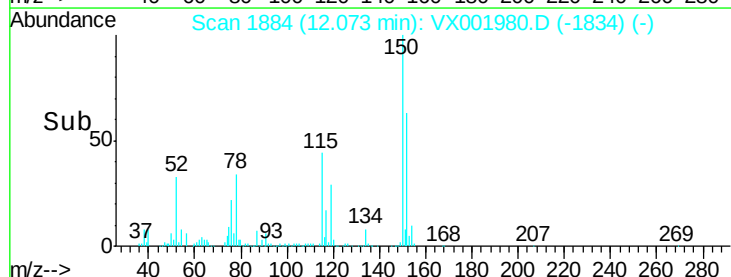
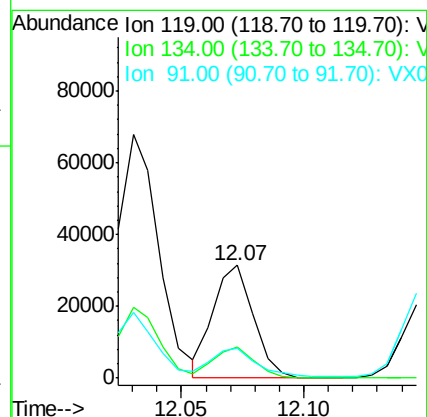
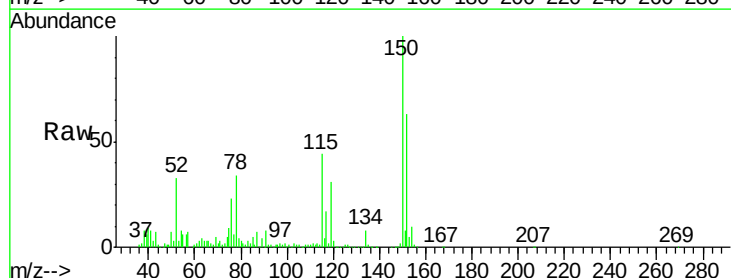
Tgt Ion:119 Resp: 35790

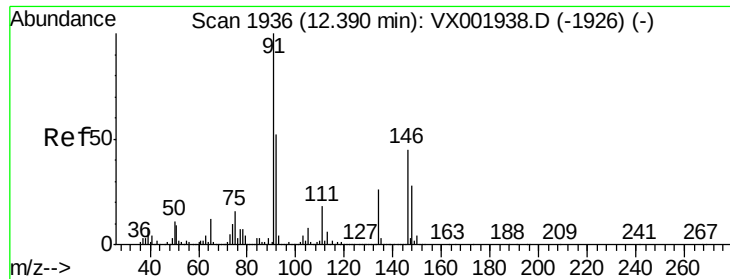
Ion Ratio Lower Upper

119 100

134 28.4 13.6 40.8

91 27.2 12.2 36.4





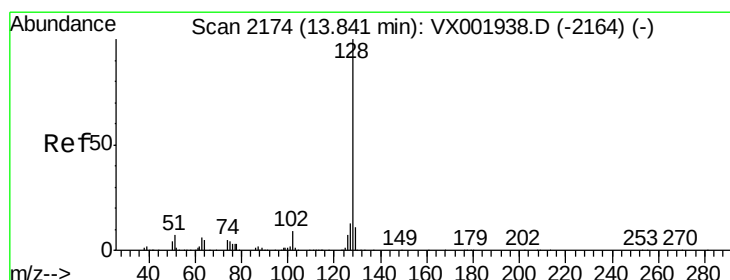
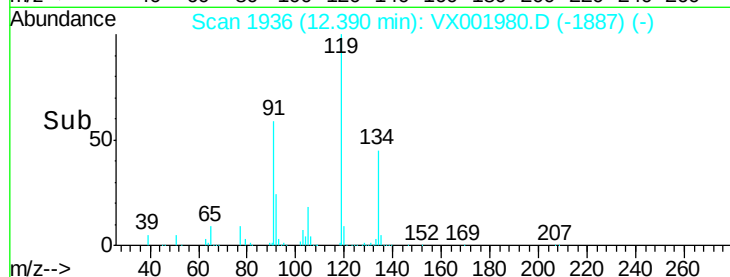
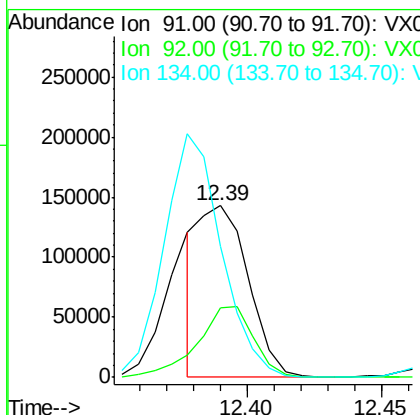
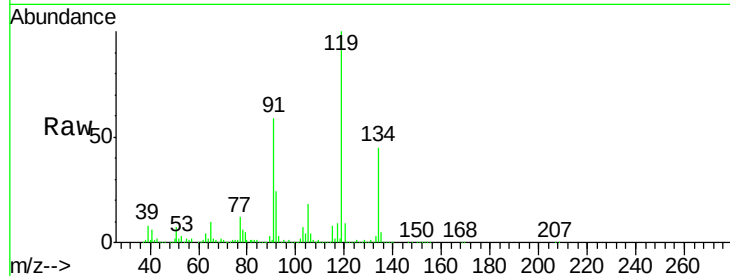
#89
n-Butylbenzene
Concen: 10.046 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX001980.D
Acq: 25 May 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :
AOC7-BTM-5-5.5

Tot Ion	Ratio	Resp	Lower	Upper
91	100	181935		
92	47.2	26.3	78.9	
134	164.8	13.6	40.7#	

Manual Integrations
APPROVED

MMDadoda
5/29/2018 4:39:23 PM



#95
Naphthalene
Concen: 14.090 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001980.D
Acq: 25 May 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	356056		
127	13.3	10.4	15.6	
129	11.6	8.8	13.2	

