

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX1111419\
 Data File : VX013424.D
 Acq On : 14 Nov 2019 15:59
 Operator : JC/SP
 Sample : K5837-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:07:52 PM

Quant Time: Nov 15 23:42:19 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	106666	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.85	114	630620	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	556840	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	246645	31.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.37%
60) 4-Bromofluorobenzene	11.14	95	266314	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	8.71	98	770096	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
15) Acetone	2.44	58	7417503m	5769.588	ug/l
20) Diisopropyl ether	3.84	45	7438095	318.688	ug/l # 72
25) Chloroform	5.20	83	15689	1.261	ug/l 87
30) 2-Butanone	4.67	43	25835m	4.064	ug/l
37) Trichloroethene	7.21	130	5146m	0.657	ug/l
44) Isopropyl Acetate	6.44	43	69590	3.734	ug/l 96
58) 4-Methyl-2-Pentanone	8.64	43	488918	42.030	ug/l # 90
66) Ethyl Benzene	10.25	91	16845	0.494	ug/l 96
67) m/p-Xylenes	10.35	106	7121	0.542	ug/l 89
74) n-propylbenzene	11.35	91	11358	0.299	ug/l 100
76) 1,3,5-Trimethylbenzene	11.50	105	8727	0.311	ug/l 96
80) 1,2,4-Trimethylbenzene	11.80	105	9945	0.355	ug/l 87
91) Naphthalene	13.83	128	15463	0.457	ug/l # 90

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

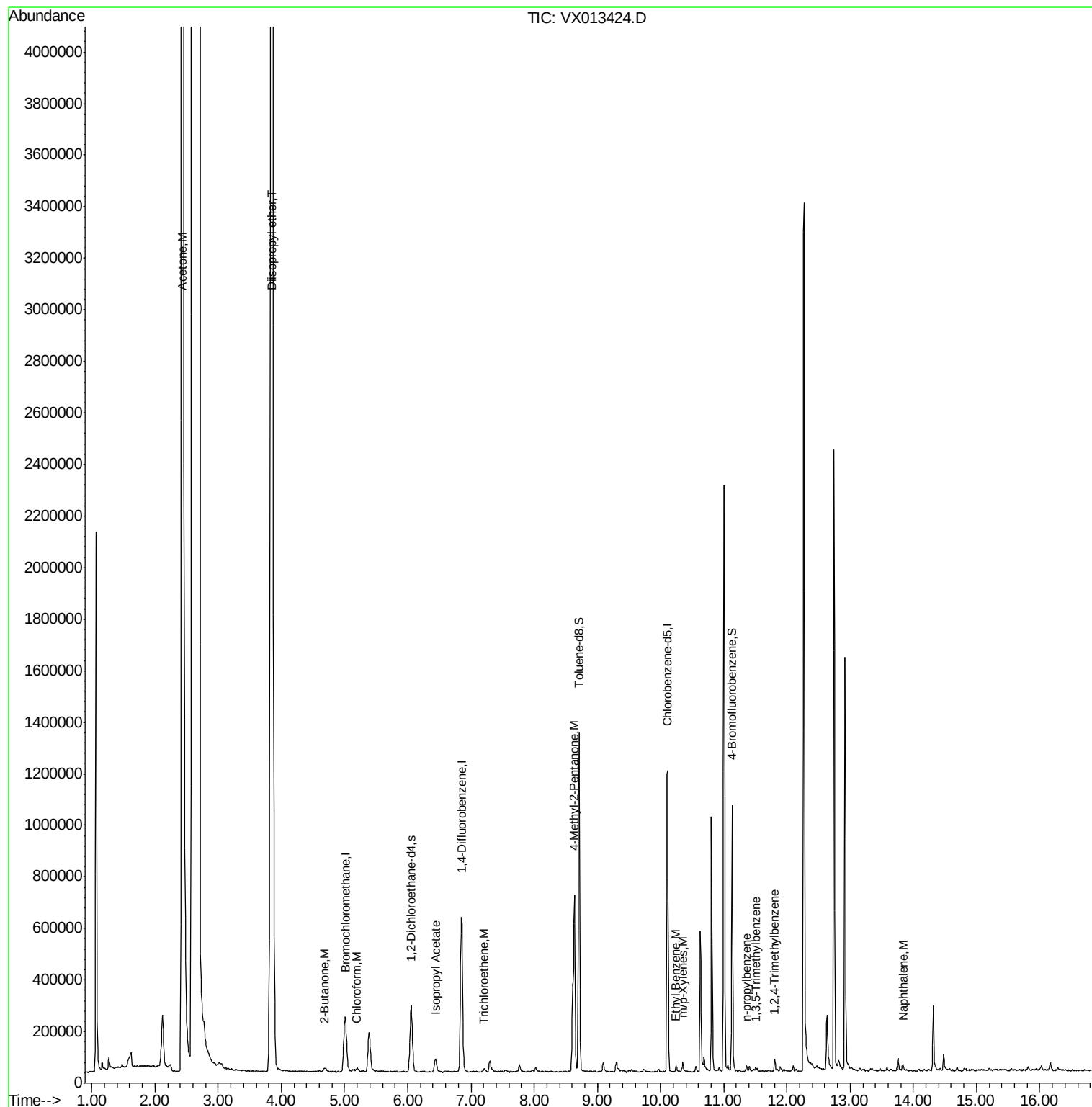
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
Data File : VX013424.D
Acq On : 14 Nov 2019 15:59
Operator : JC/SP
Sample : K5837-01 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

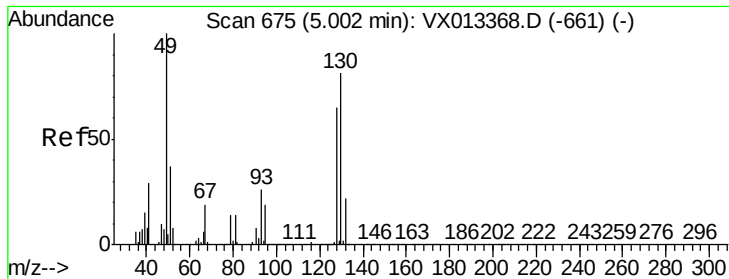
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Manual Integrations
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Quant Time: Nov 15 23:42:19 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





#1

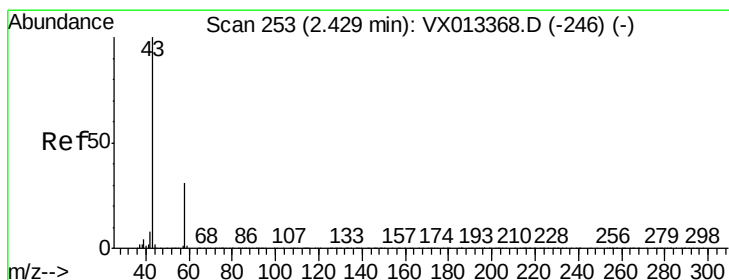
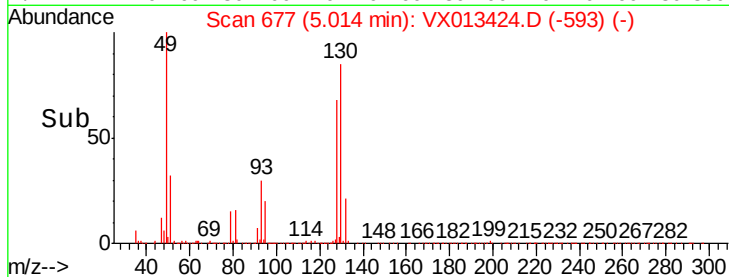
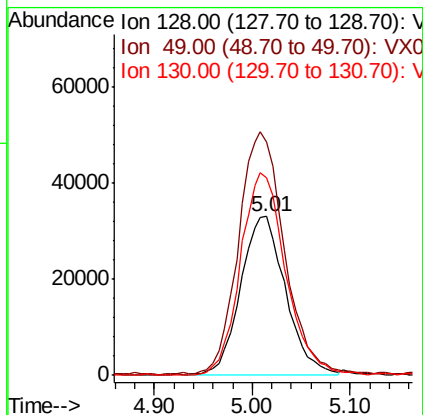
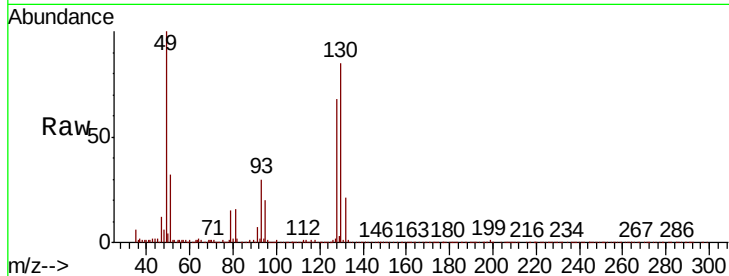
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VX013424.D
 Acq: 14 Nov 2019 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Tot Ion	Ratio	Resp	Lower	Upper
128	100	106666		
49	154.1	0.0	388.3	
130	127.7	0.0	318.5	

Manual Integrations
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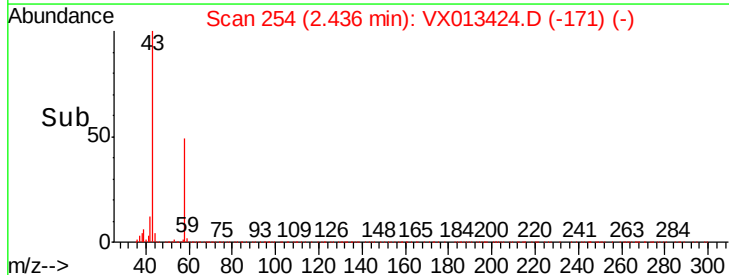
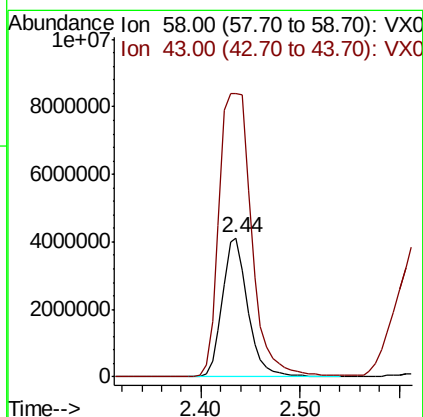
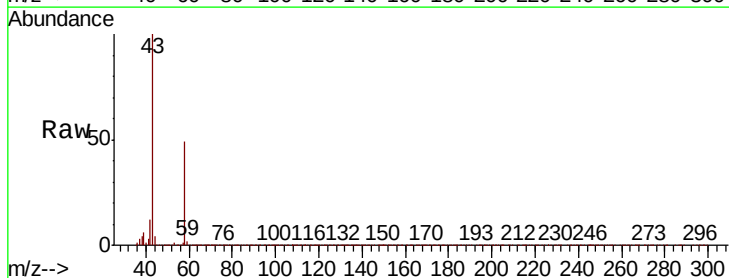
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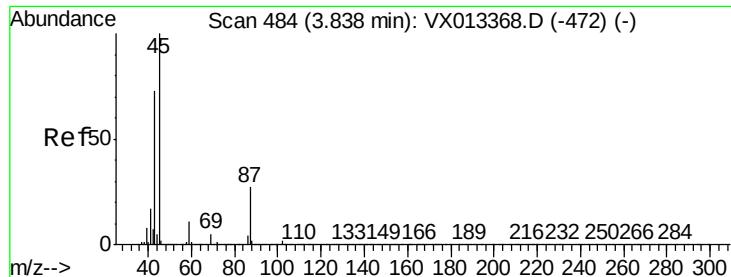


#15

Acetone
 Concen: 5769.588 ug/l m
 RT: 2.44 min Scan# 254
 Delta R.T. 0.01 min
 Lab File: VX013424.D
 Acq: 14 Nov 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
58	100	7417503		
43	203.4	261.4	392.2#	





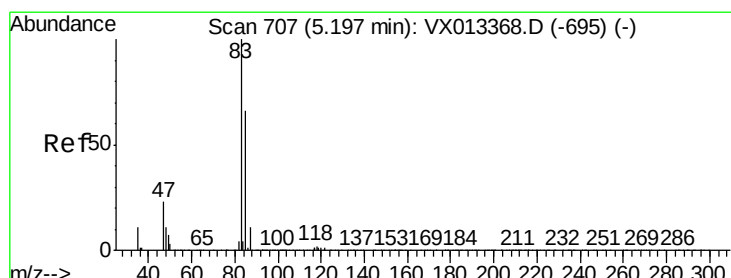
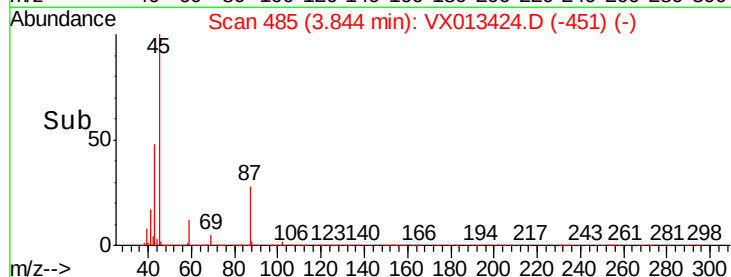
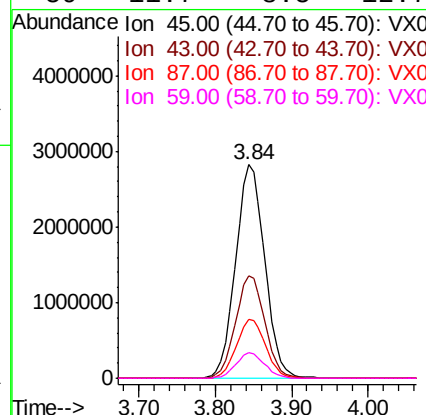
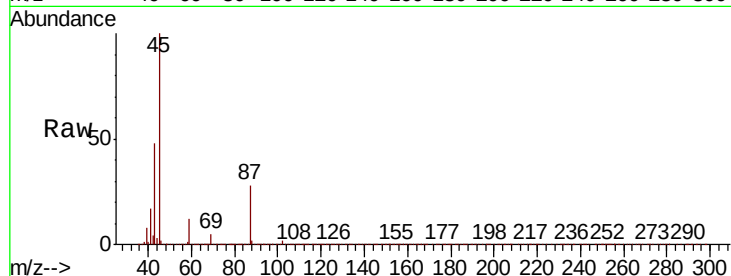
#20
Diisopropyl ether
Concen: 318.688 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.01 min
Lab File: VX013424.D
Acq: 14 Nov 2019 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	48.1	67.7	101.5#	
87	27.6	21.5	32.3	
59	11.7	8.5	12.7	

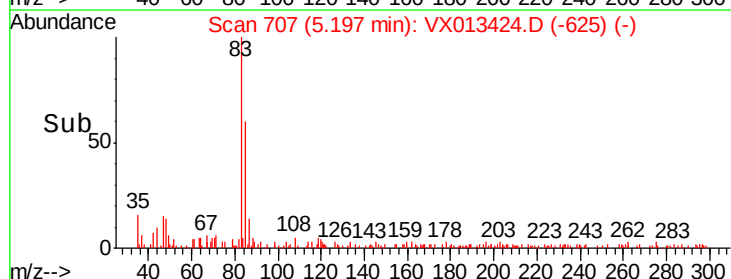
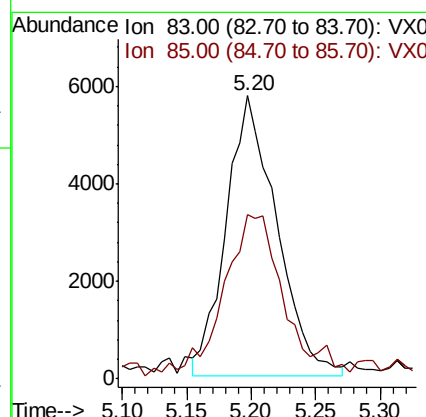
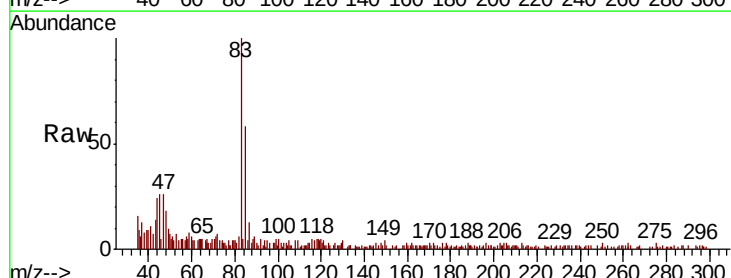
Manual Integrations
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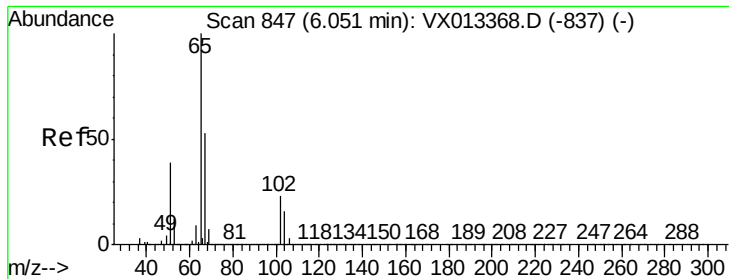
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#25
Chloroform
Concen: 1.261 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013424.D
Acq: 14 Nov 2019 15:59

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	54.8	52.4	78.6	





#27

1,2-Dichloroethane-d4

Concen: 31.314 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013424.D

Acq: 14 Nov 2019 15:59

Instrument :

MSVOA_X

ClientSampled :

EFF-WW

Tot Ion: 65 Resp: 246645

Ion Ratio Lower Upper

65 100

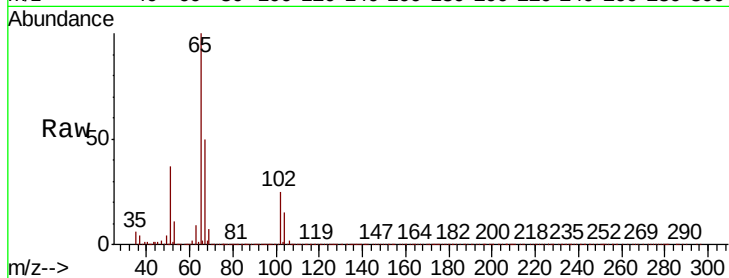
67 51.2 41.0 61.6

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

100000

80000

60000

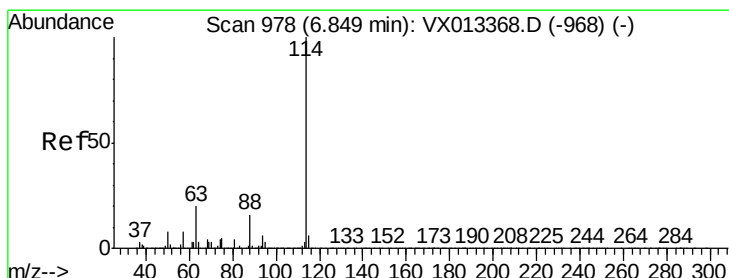
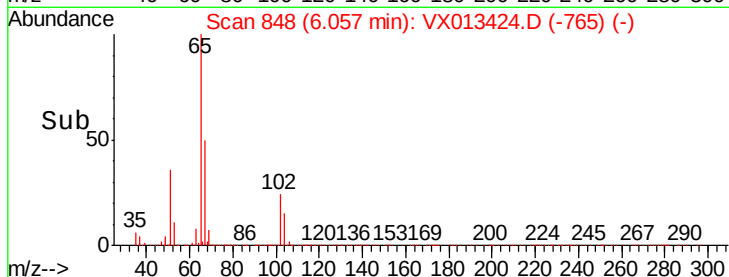
40000

20000

0

6.00 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013424.D

Acq: 14 Nov 2019 15:59

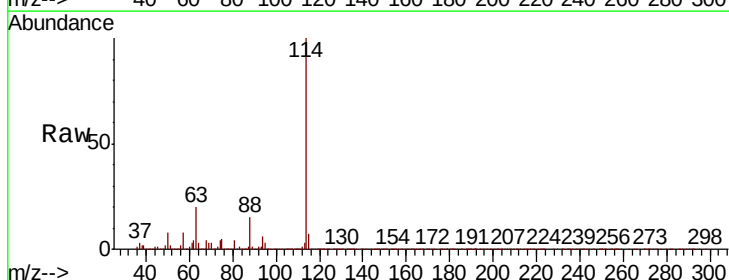
Tgt Ion: 114 Resp: 630620

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

88 15.3 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

300000

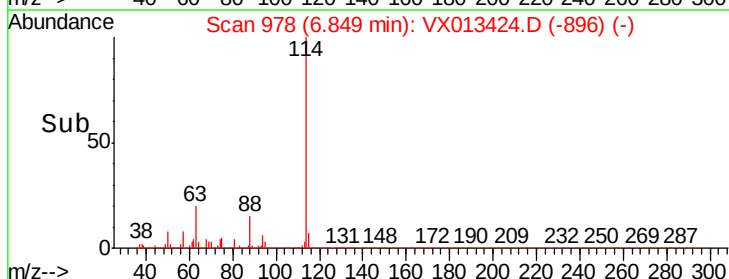
200000

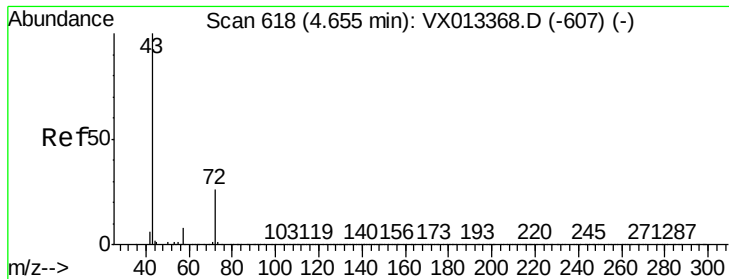
100000

0

6.80 6.90

Time-->





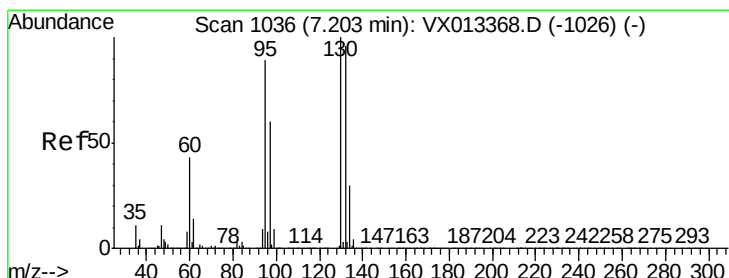
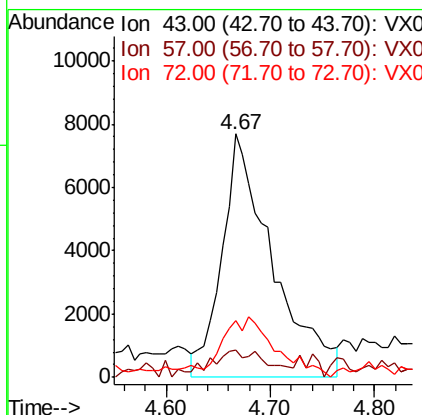
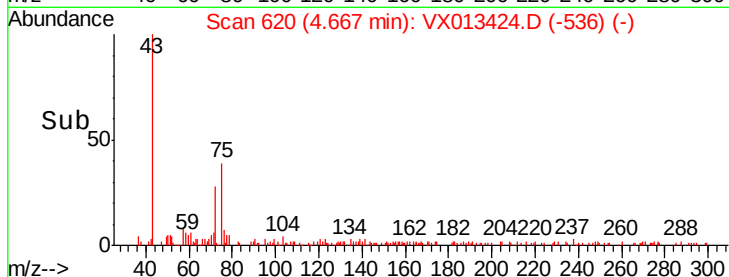
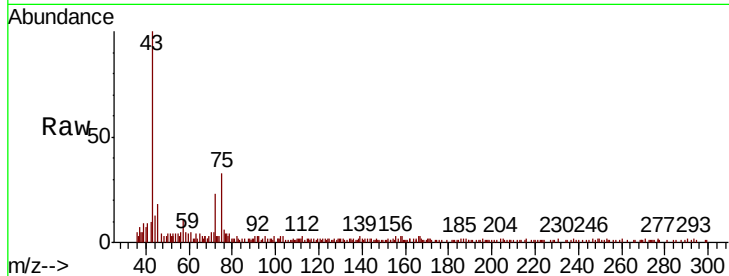
#30
2-Butanone
Concen: 4.064 ug/l m
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX013424.D
Acq: 14 Nov 2019 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.1	9.1#
72	0.0	20.5	30.7#

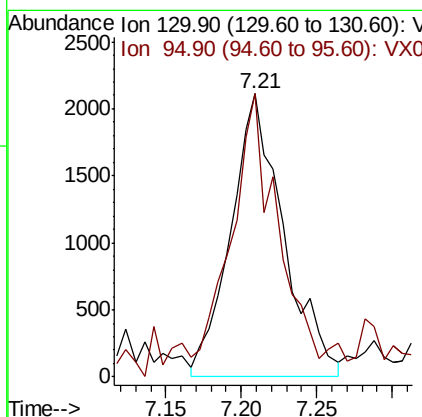
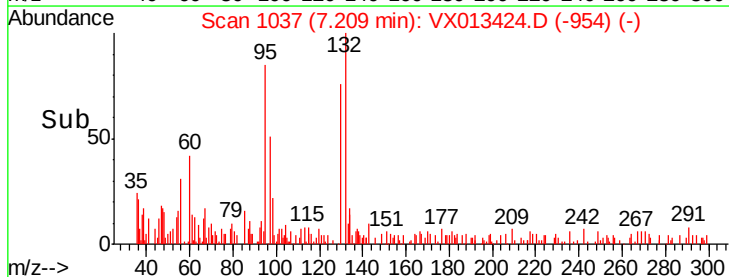
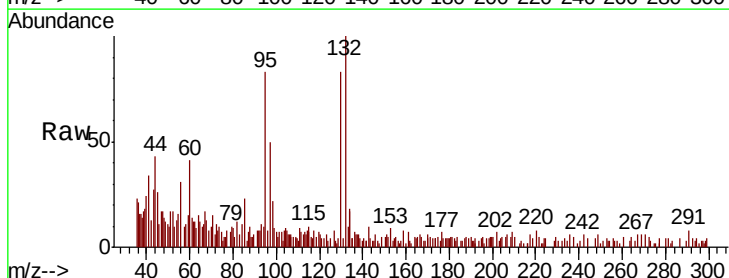
Manual Integrations
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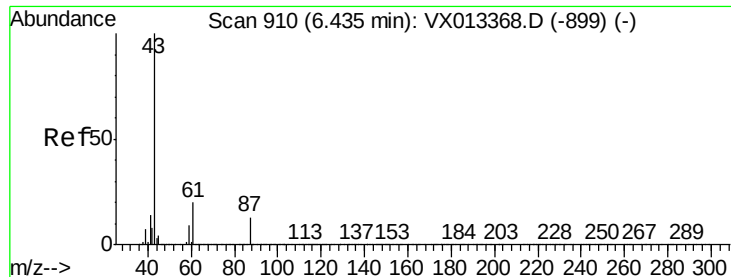
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#37
Trichloroethene
Concen: 0.657 ug/l m
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013424.D
Acq: 14 Nov 2019 15:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	71.3	106.9





#44

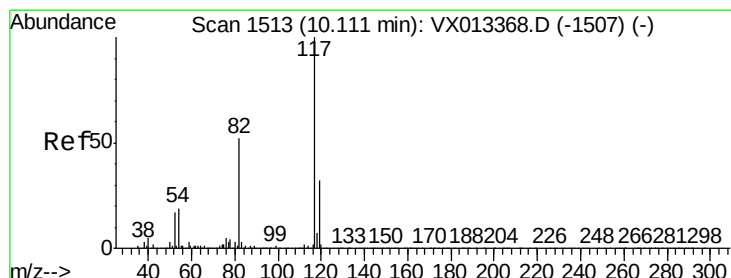
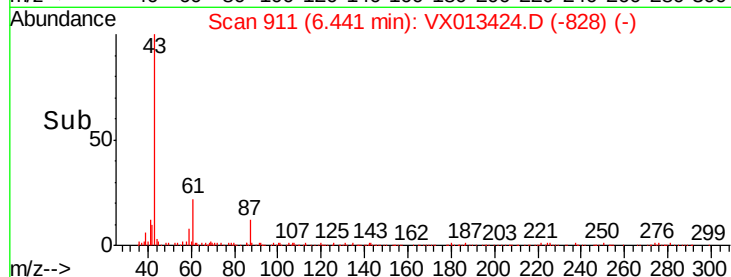
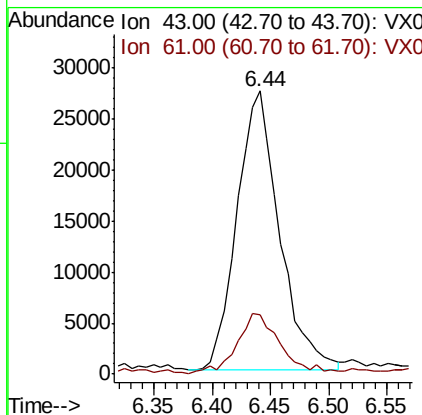
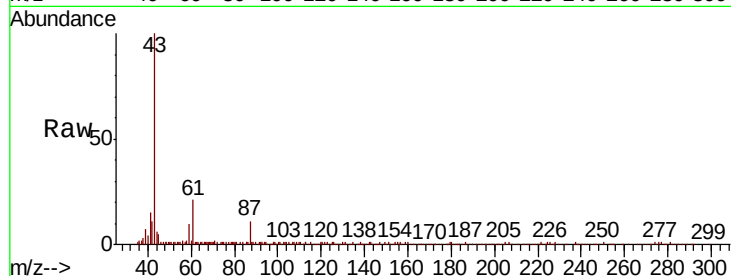
Isopropyl Acetate
 Concen: 3.734 ug/l
 RT: 6.44 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VX013424.D
 Acq: 14 Nov 2019 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8

Manual Integrations
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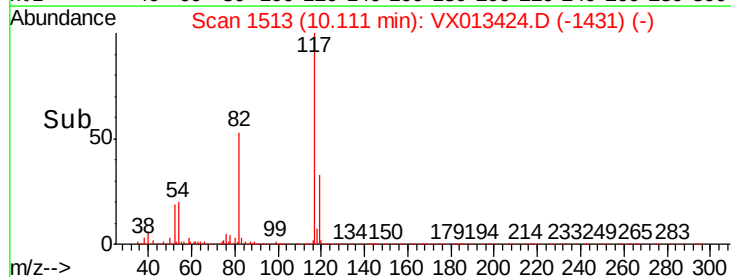
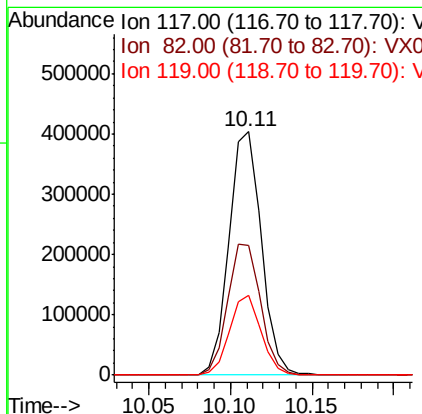
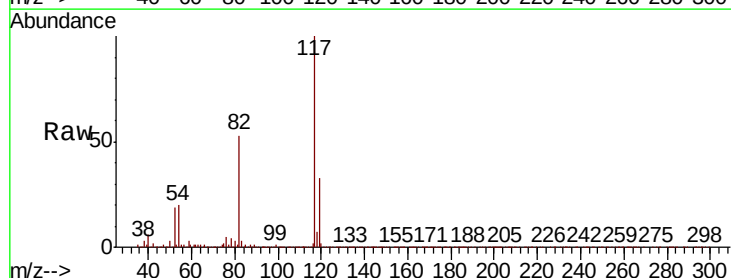
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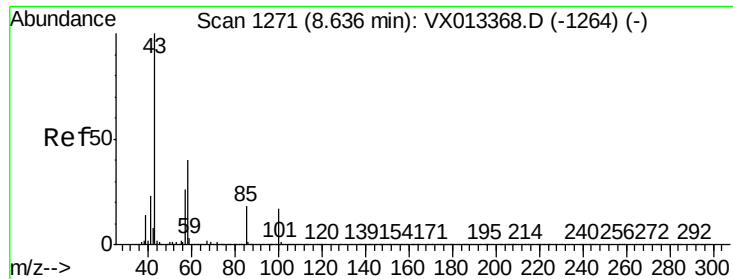


#57

Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX013424.D
 Acq: 14 Nov 2019 15:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.7	65.5
119	31.8	25.5	38.3





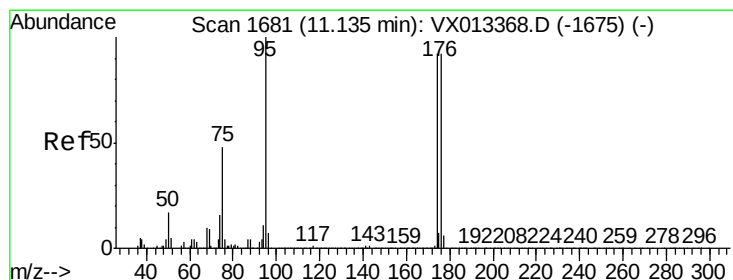
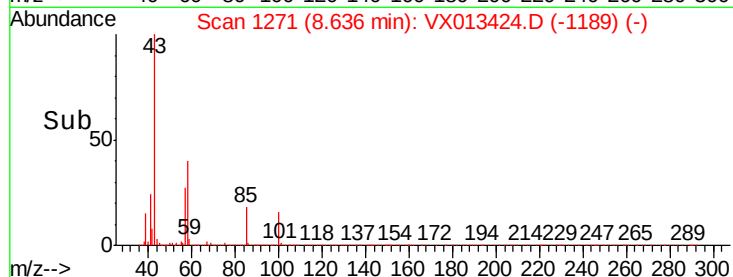
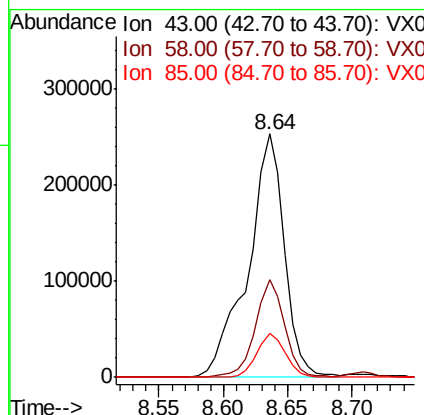
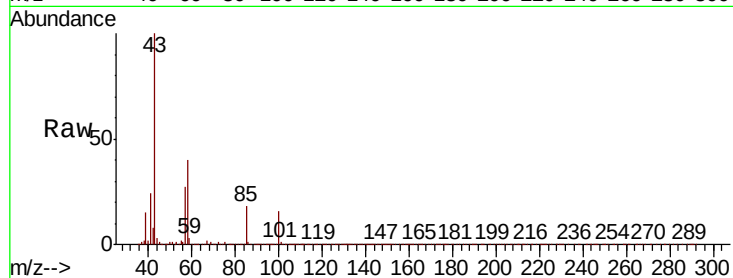
#58
 4-Methyl-2-Pentanone
 Concen: 42.030 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX013424.D
 Acq: 14 Nov 2019 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.5	31.6	47.4
85	14.2	14.2	21.2

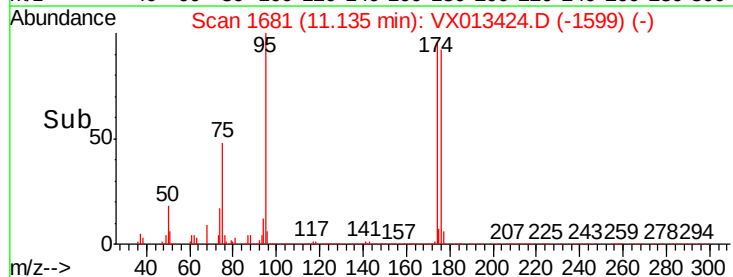
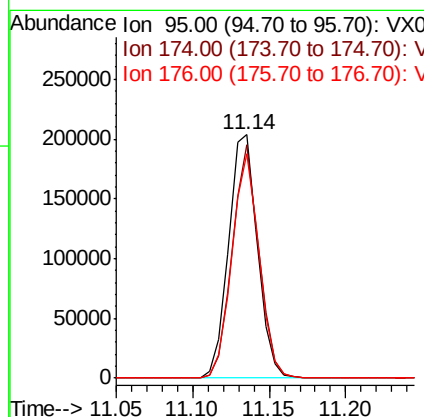
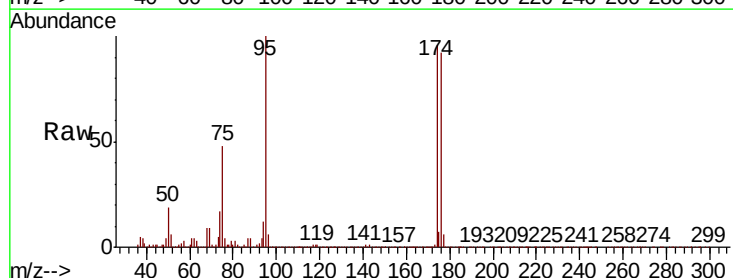
Manual Integrations
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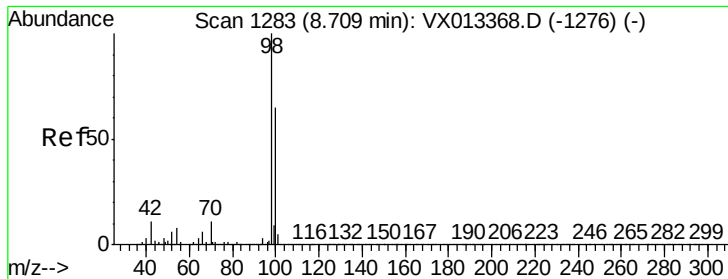
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#60
 4-Bromofluorobenzene
 Concen: 29.756 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX013424.D
 Acq: 14 Nov 2019 15:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	70.2	105.2
176	86.9	68.3	102.5





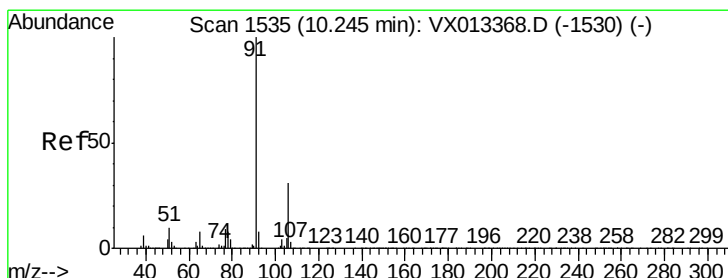
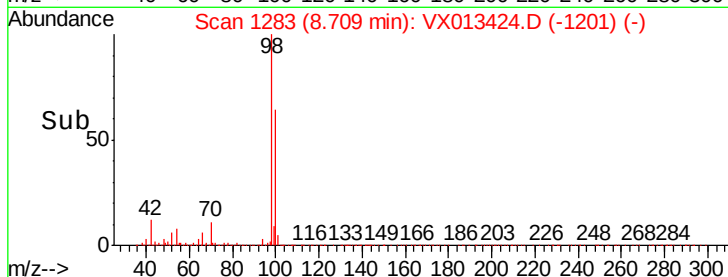
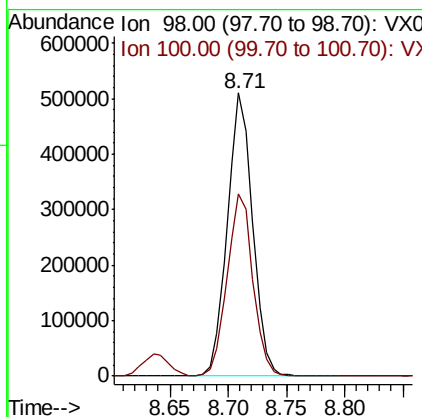
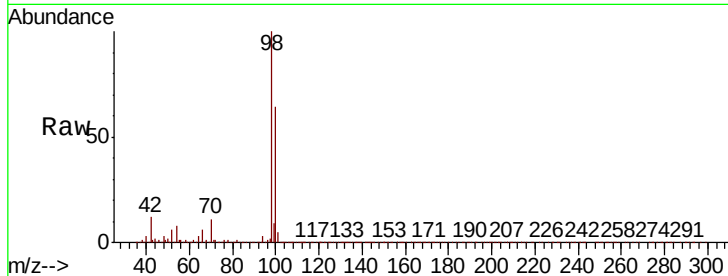
#63
Toluene-d8
Concen: 30.583 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013424.D
Acq: 14 Nov 2019 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.5	78.7

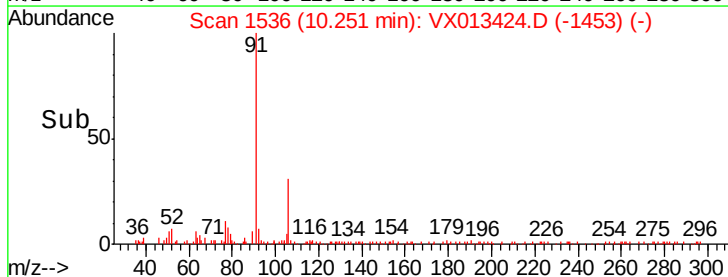
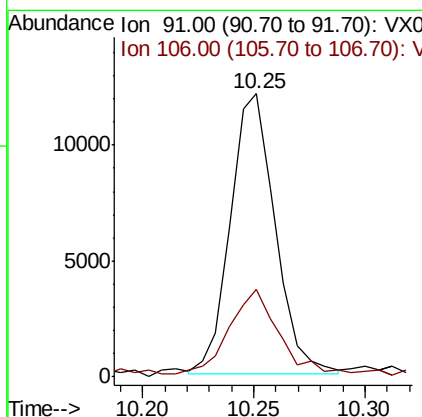
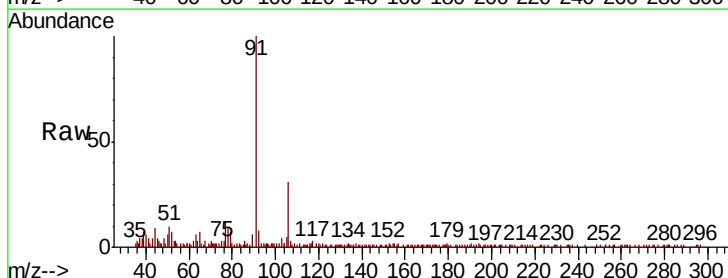
Manual Integrations
APPROVED

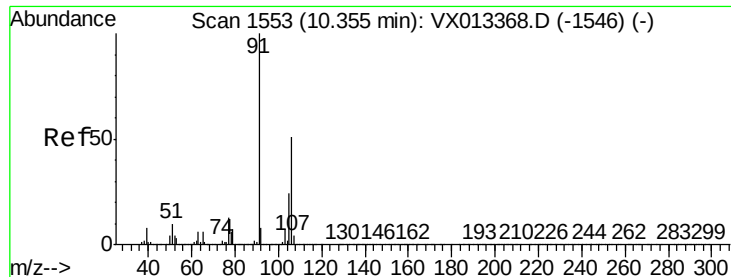
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#66
Ethyl Benzene
Concen: 0.494 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013424.D
Acq: 14 Nov 2019 15:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.0	25.0	37.4





#67

m/p-Xvlenes

Concen: 0.542 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013424.D

Acq: 14 Nov 2019 15:59

Instrument :

MSVOA_X

ClientSampled :

EFF-WW

Tot Ion:106 Resp: 7121

Ion Ratio Lower Upper

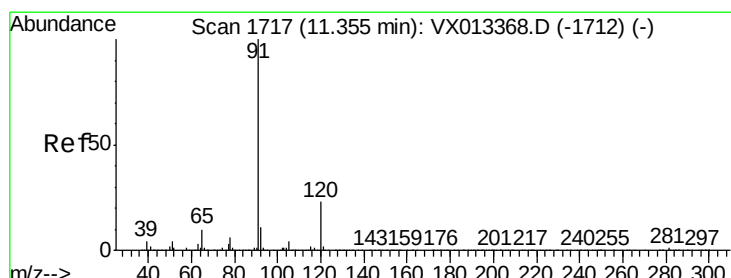
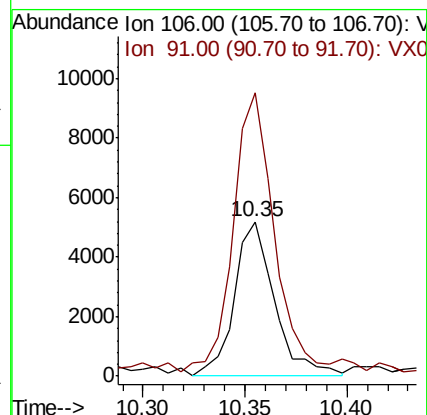
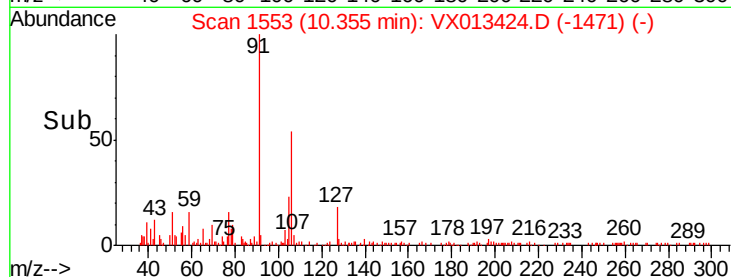
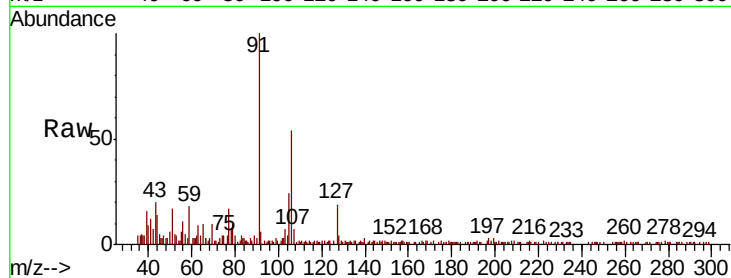
106 100

91 181.2 158.4 237.6

Manual Integrations
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#74

n-propylbenzene

Concen: 0.299 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013424.D

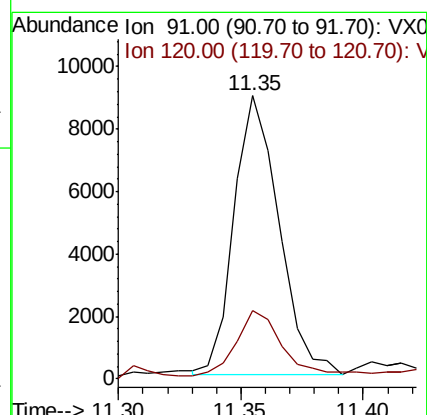
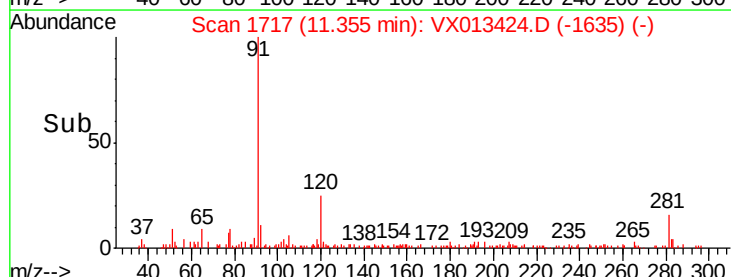
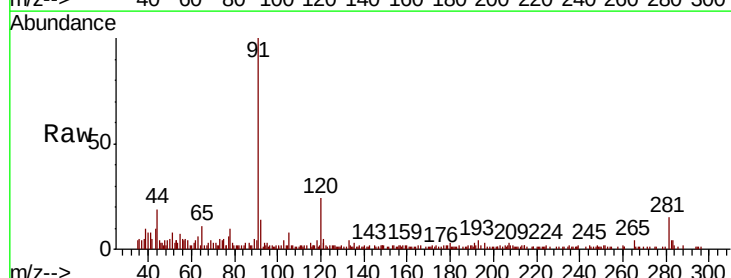
Acq: 14 Nov 2019 15:59

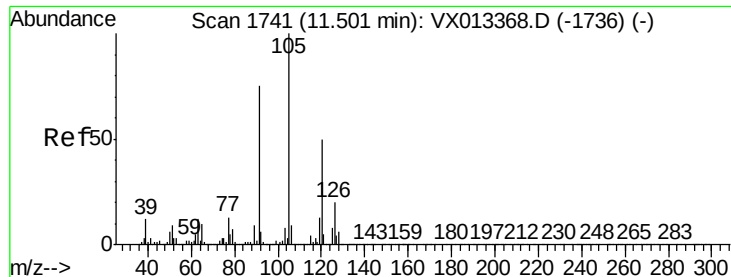
Tgt Ion: 91 Resp: 11358

Ion Ratio Lower Upper

91 100

120 23.1 0.0 46.2





#76

1,3,5-Trimethylbenzene

Concen: 0.311 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013424.D

Acq: 14 Nov 2019 15:59

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tot Ion:105 Resp: 8727

Ion Ratio Lower Upper

105 100

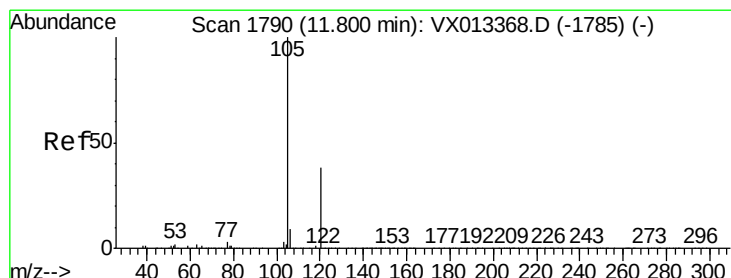
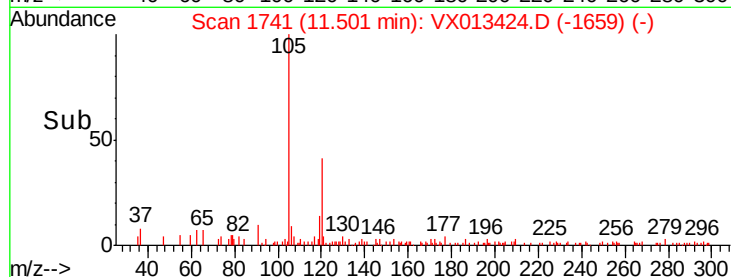
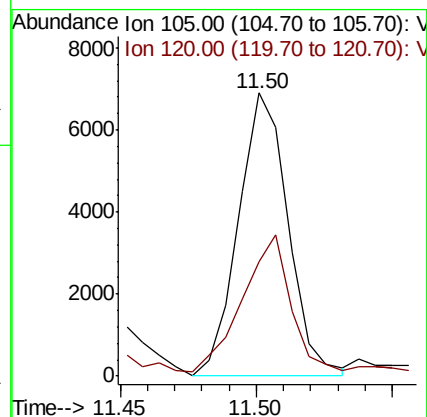
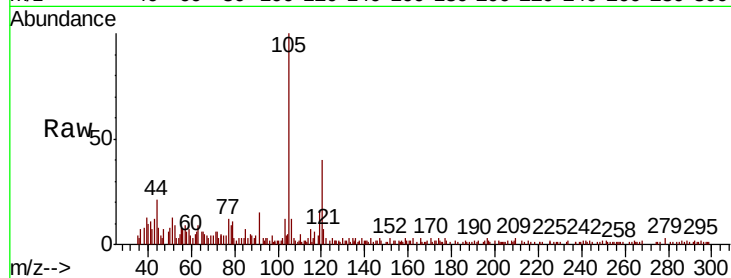
120 46.9 0.0 100.0

Manual Integrations

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#80

1,2,4-Trimethylbenzene

Concen: 0.355 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX013424.D

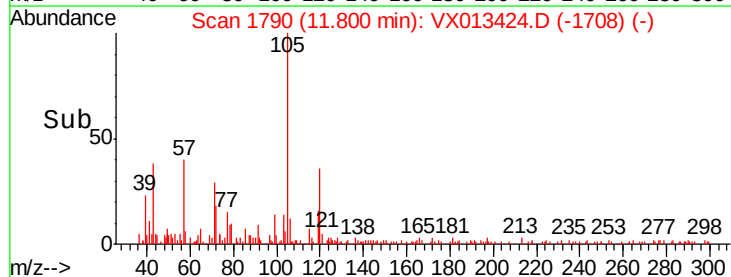
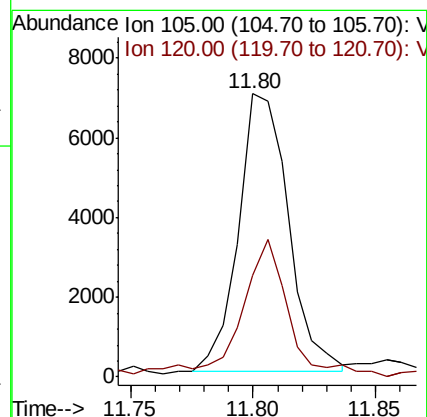
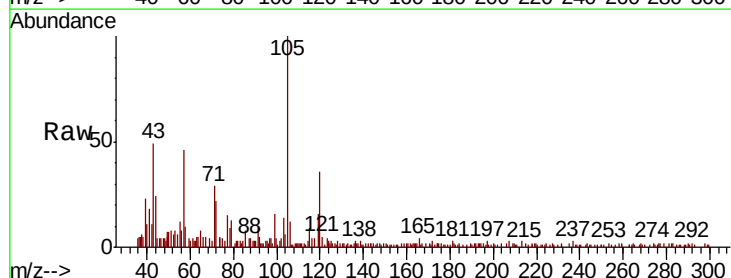
Acq: 14 Nov 2019 15:59

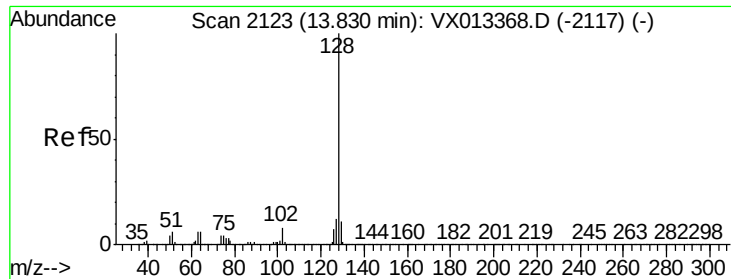
Tgt Ion:105 Resp: 9945

Ion Ratio Lower Upper

105 100

120 38.5 0.0 94.0





#91
Naphthalene
Concen: 0.457 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013424.D
Acq: 14 Nov 2019 15:59

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	17.4	10.2	15.2#
129	14.0	8.8	13.2#

Manual Integrations
APPROVED

MMDadoda
11/18/2019 3:07:52 PM

