

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037367.D
 Acq On : 7 Aug 2021 6:36
 Operator : SY/AP
 Sample : M3157-09DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INFLUENTDL

Manual Integrations
 APPROVED

MMDadoda
 8/10/2021 6:10:49 PM

Quant Time: Aug 07 07:17:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	802446	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2628728	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2209763	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1516684	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	24195m	0.151	ppbv	
9) Propene	3.02	41	11813m	0.220	ppbv	
13) Ethanol	3.61	45	123037m	12.421	ppbv	
15) Acetone	3.85	43	249921	2.989	ppbv	89
19) Isopropyl Alcohol	4.00	45	45246m	0.894	ppbv	
20) Methylene Chloride	4.34	84	519156	7.413	ppbv	97
26) Hexane	5.68	57	281743	2.411	ppbv #	50
34) 2-Butanone	5.26	43	30335m	0.344	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	18872m	0.156	ppbv	
52) Tetrachloroethene	11.21	164	7470m	0.078	ppbv	
53) Toluene	9.80	91	140455	0.598	ppbv	100
59) m/p-Xylene	12.96	91	28104m	0.112	ppbv	

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

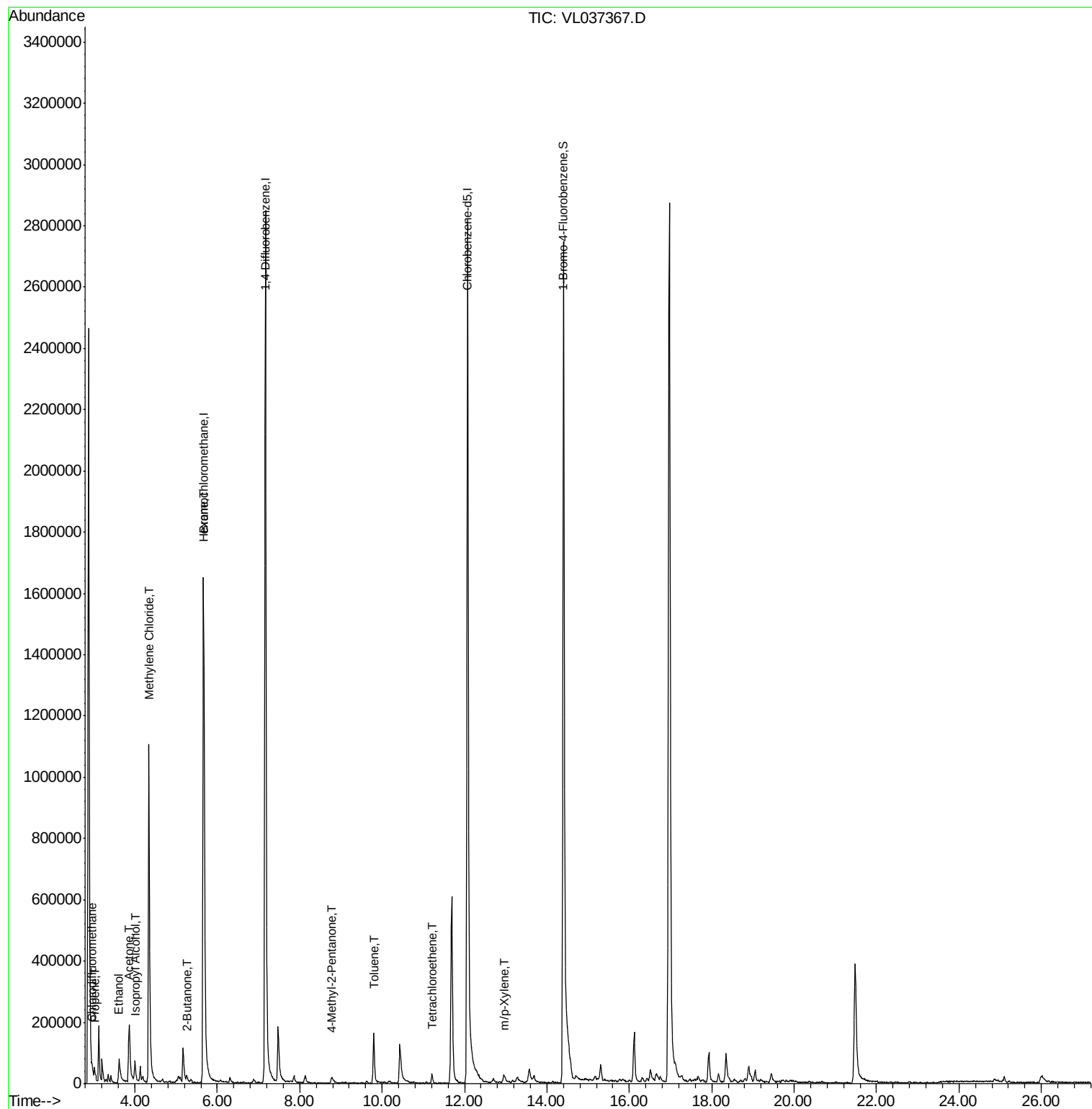
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080621\
Data File : VL037367.D
Acq On : 7 Aug 2021 6:36
Operator : SY/AP
Sample : M3157-09DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

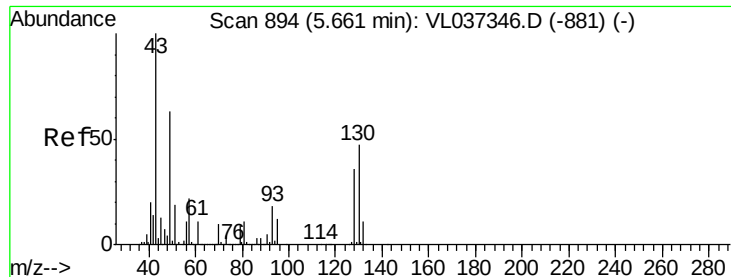
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INFLUENTDL

Manual Integrations
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8/10/2021 6:10:49 PM

Quant Time: Aug 07 07:17:49 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 06 17:52:04 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Instrument :

MSVOA_L

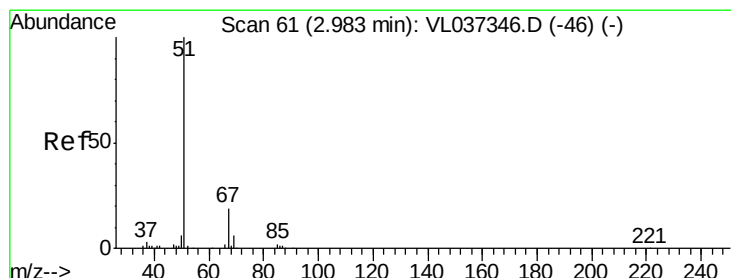
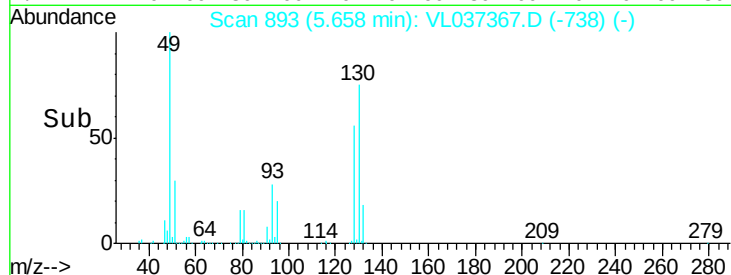
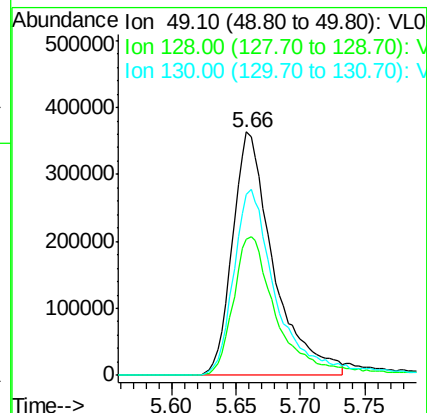
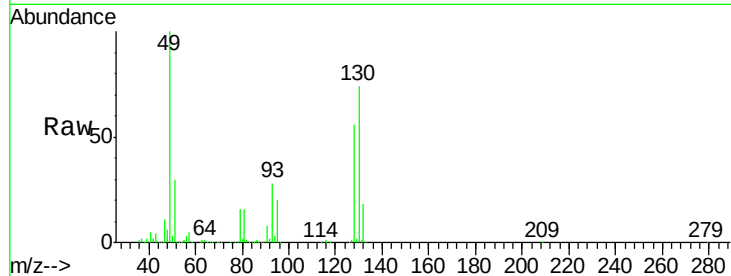
ClientSampleId :

OFFSITE-DDC-INFLUENTDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	61.9	32.1	96.3
130	82.3	40.0	120.0

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#3

Chlorodifluoromethane

Concen: 0.151 ppbv m

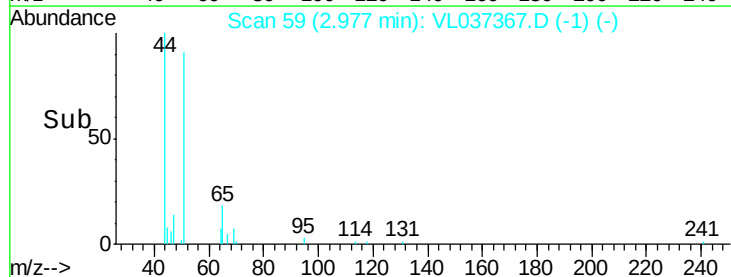
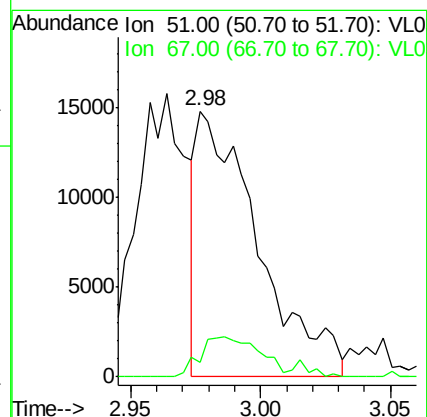
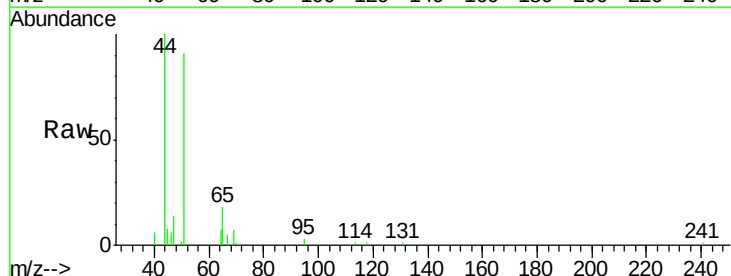
RT: 2.98 min Scan# 59

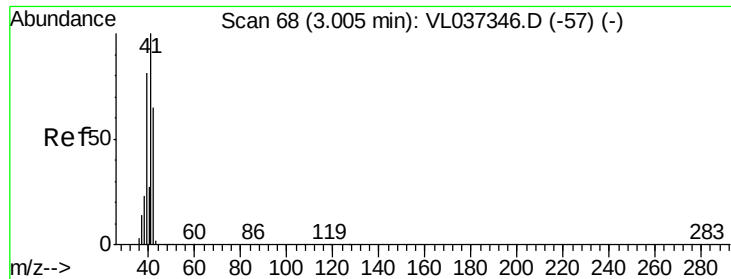
Delta R.T. -0.01 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Tgt Ion	Ratio	Lower	Upper
51	100		
67	16.4	15.6	23.4





#9

Propene

Concen: 0.220 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INFLUENTDL

Tot Ion: 41 Resp: 11813

Ion Ratio Lower Upper

41 100

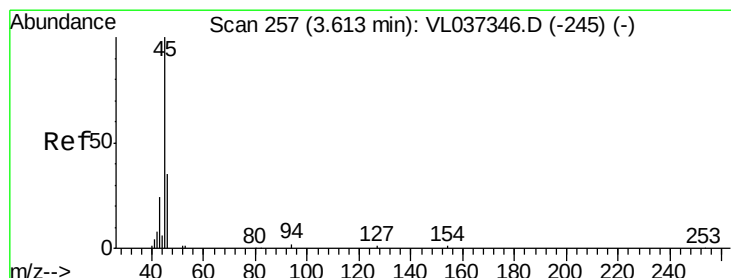
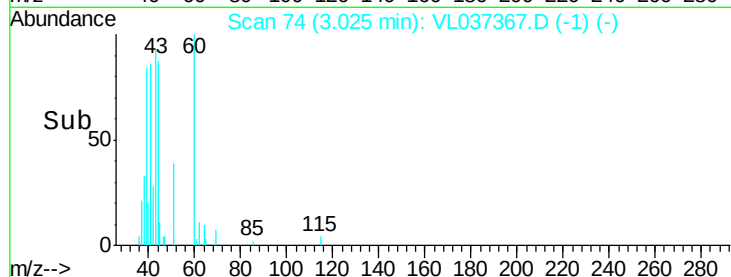
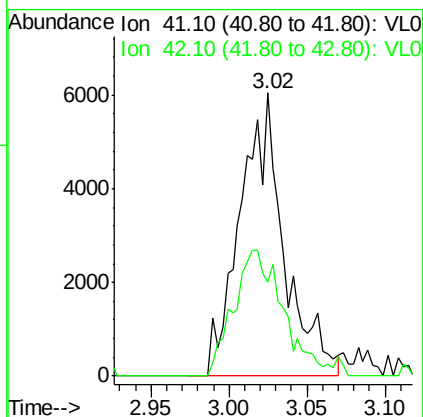
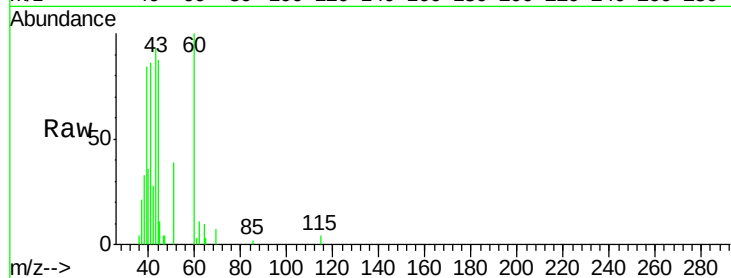
42 51.2 54.3 81.5#

Manual Integrations

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#13

Ethanol

Concen: 12.421 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL037367.D

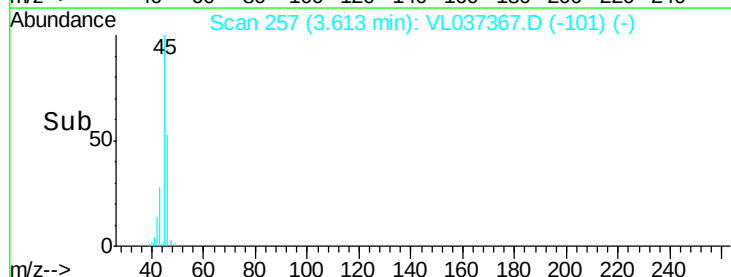
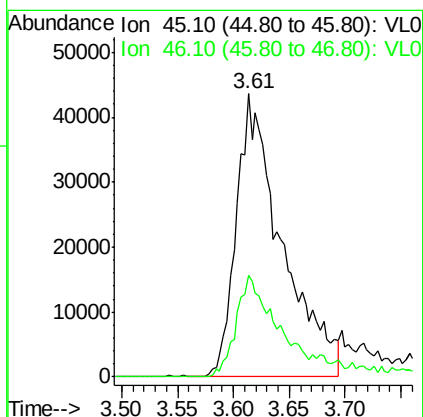
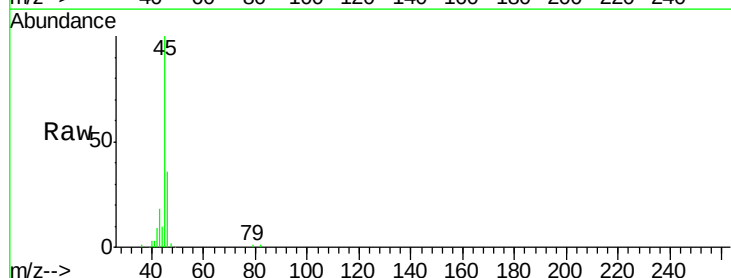
Acq: 7 Aug 2021 6:36

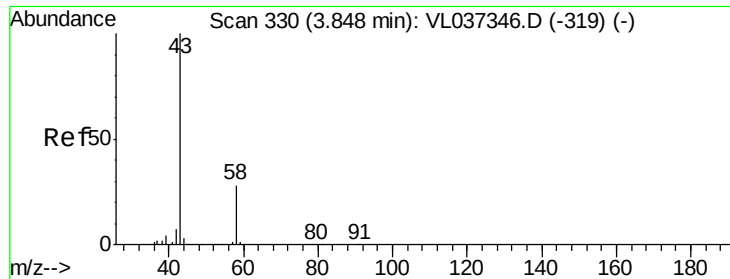
Tgt Ion: 45 Resp: 123037

Ion Ratio Lower Upper

45 100

46 37.7 15.7 62.9





#15

Acetone

Concen: 2.989 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INFLUENTDL

Tot Ion: 43 Resp: 249921

Ion Ratio Lower Upper

43 100

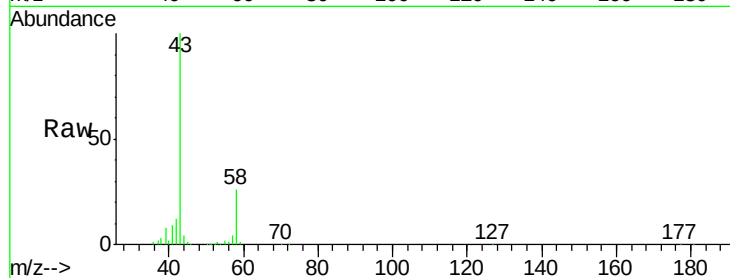
58 36.5 24.6 36.8

Manual Integrations

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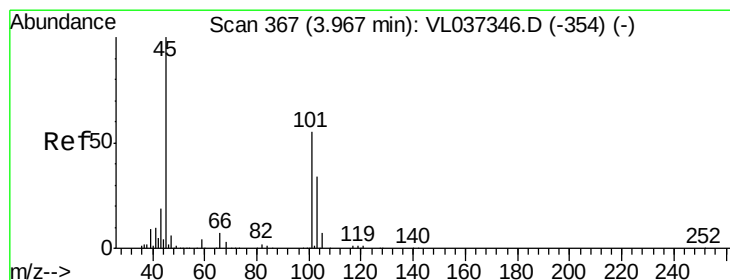
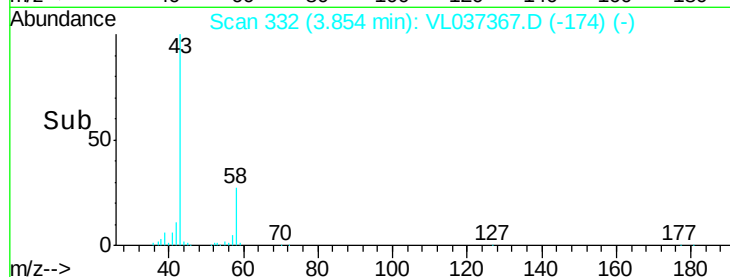
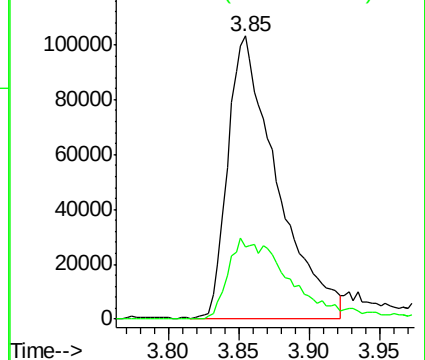
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.894 ppbv m

RT: 4.00 min Scan# 376

Delta R.T. 0.03 min

Lab File: VL037367.D

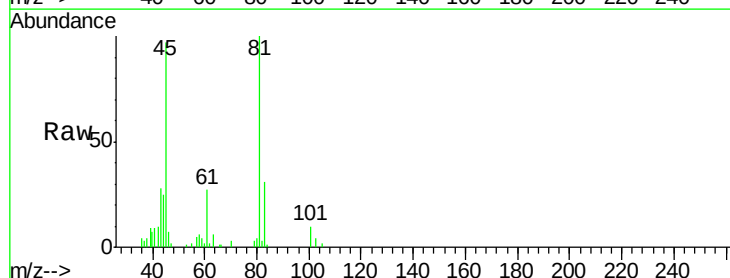
Acq: 7 Aug 2021 6:36

Tgt Ion: 45 Resp: 45246

Ion Ratio Lower Upper

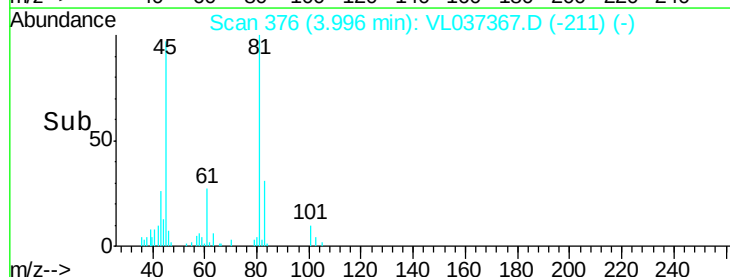
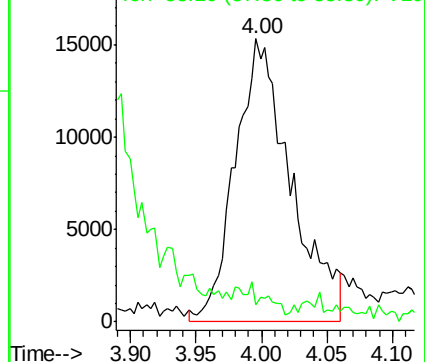
45 100

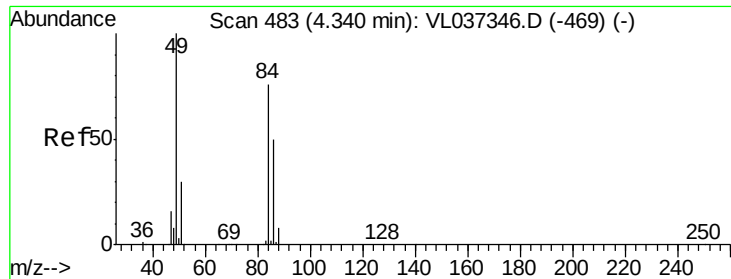
58 0.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





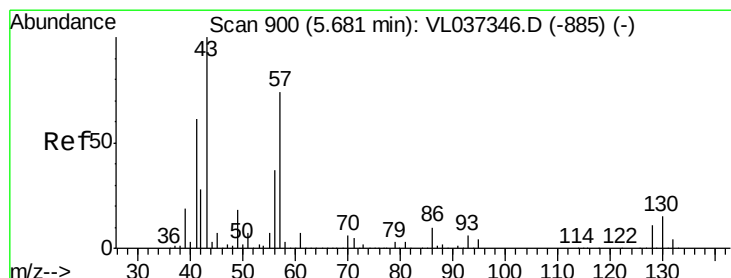
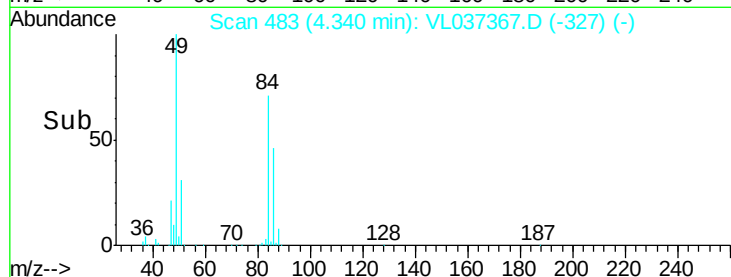
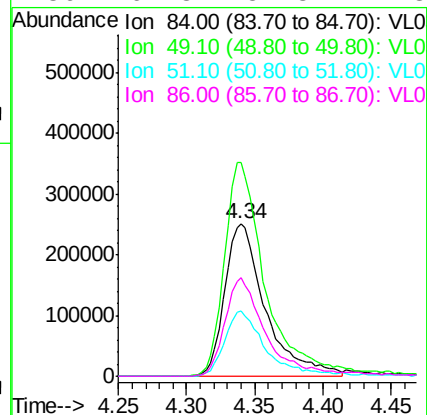
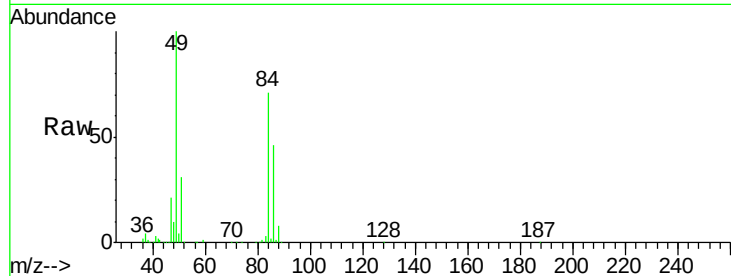
#20
Methvlene Chloride
Concen: 7.413 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL037367.D
Acq: 7 Aug 2021 6:36

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INFLUENTDL

Tot Ion	84	Resp	519156
Ion	Ratio	Lower	Upper
84	100		
49	139.4	107.3	160.9
51	42.8	33.0	49.4
86	64.8	51.8	77.8

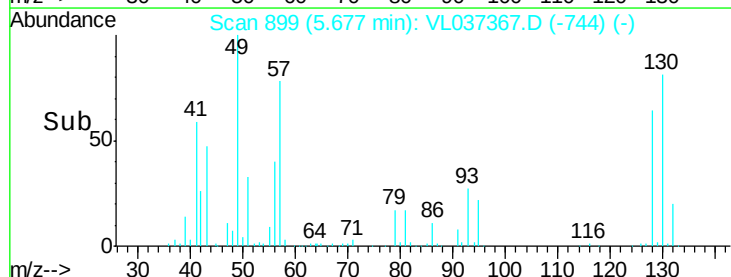
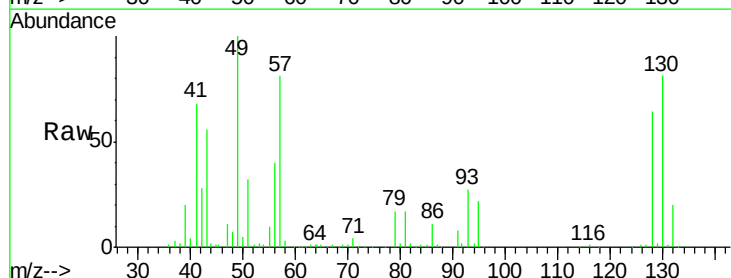
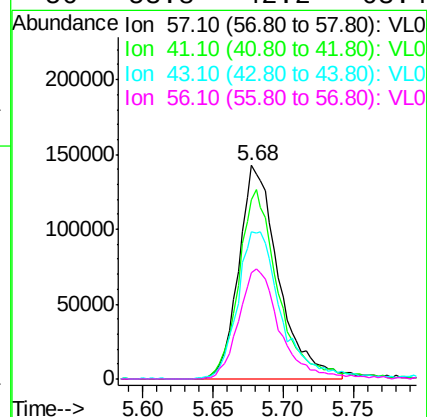
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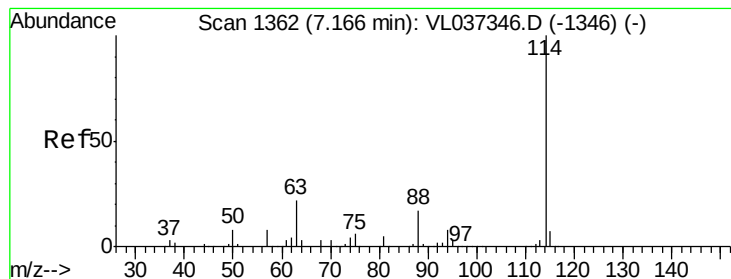
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#26
Hexane
Concen: 2.411 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL037367.D
Acq: 7 Aug 2021 6:36

Tgt Ion	57	Resp	281743
Ion	Ratio	Lower	Upper
57	100		
41	89.5	69.2	103.8
43	77.5	162.1	243.1#
56	53.8	42.2	63.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INFLUENTDL

Tot Ion:114 Resp: 2628728

Ion Ratio Lower Upper

114 100

63 22.6 17.8 26.6

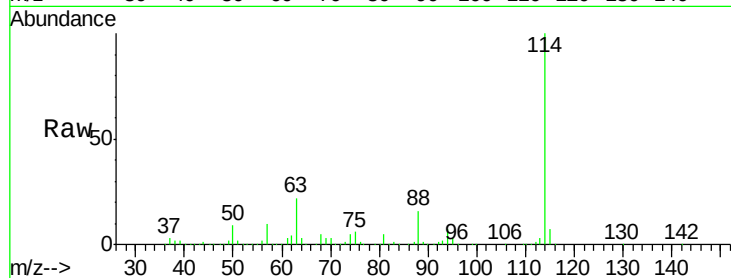
88 17.1 13.5 20.3

Manual Integrations

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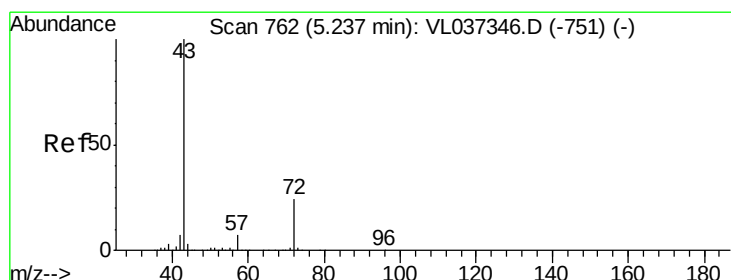
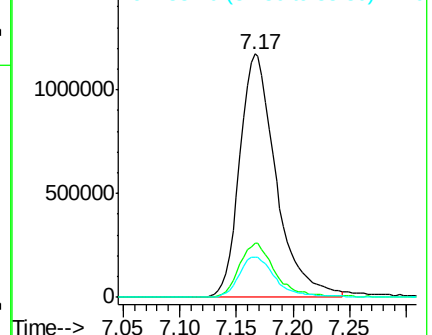
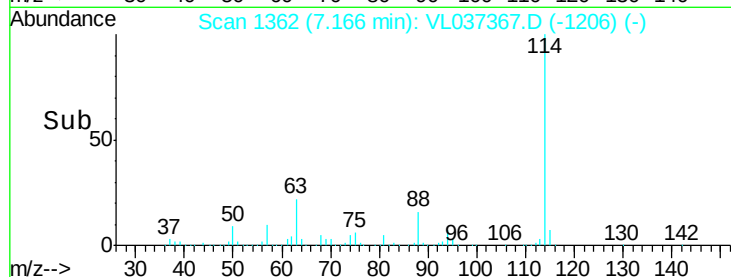
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.344 ppbv m

RT: 5.26 min Scan# 769

Delta R.T. 0.02 min

Lab File: VL037367.D

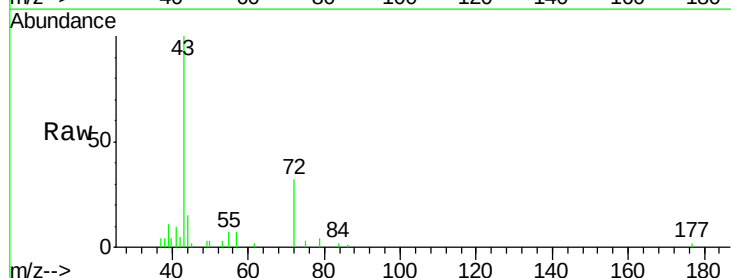
Acq: 7 Aug 2021 6:36

Tgt Ion: 43 Resp: 30335

Ion Ratio Lower Upper

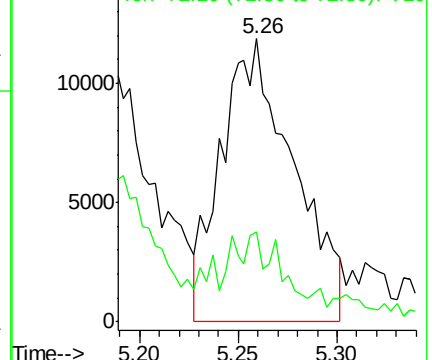
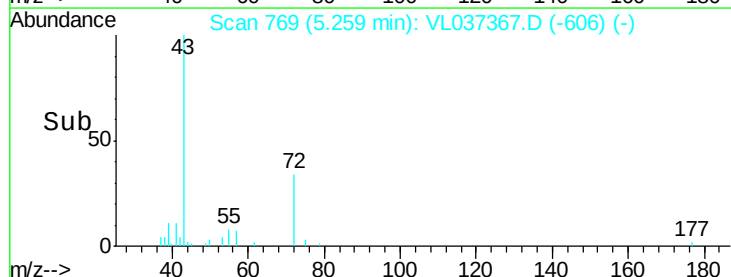
43 100

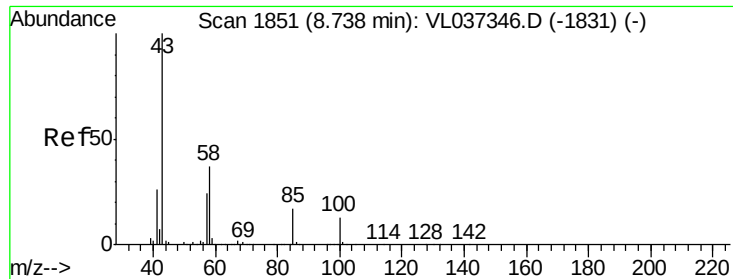
72 0.0 19.8 29.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#50

4-Methyl-2-Pentanone

Concen: 0.156 ppbv m

RT: 8.78 min Scan# 1864

Delta R.T. 0.04 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INFLUENTDL

Tot Ion: 43 Resp: 18872

Ion Ratio Lower Upper

43 100

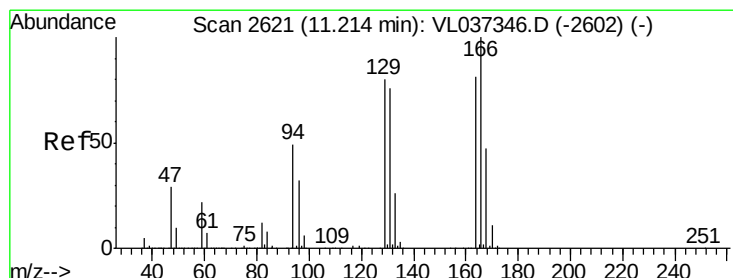
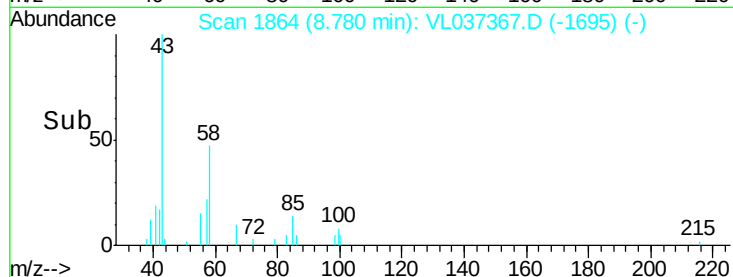
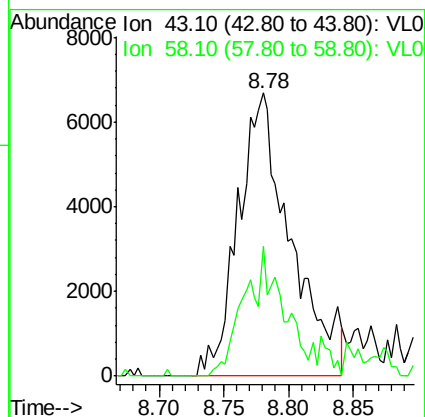
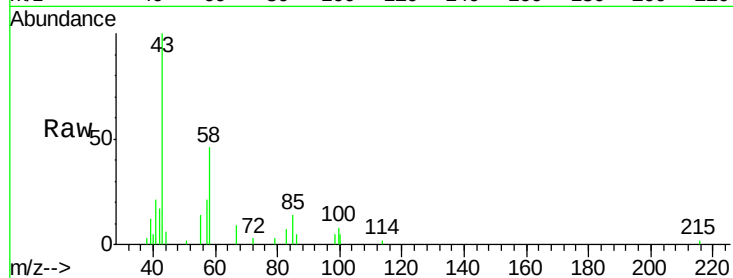
58 0.0 29.9 44.9#

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#52

Tetrachloroethene

Concen: 0.078 ppbv m

RT: 11.21 min Scan# 2619

Delta R.T. -0.01 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Tgt Ion: 164 Resp: 7470

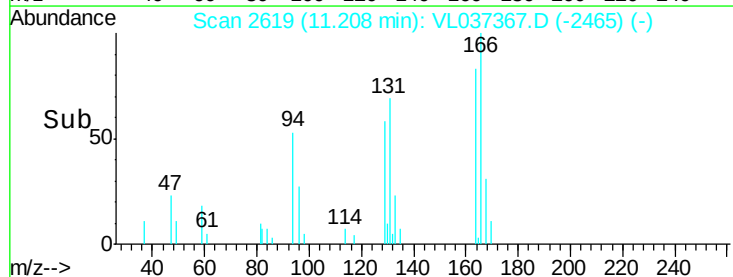
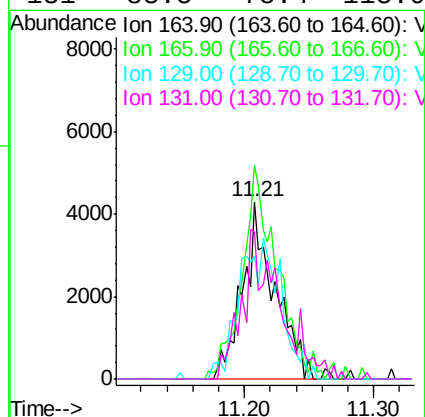
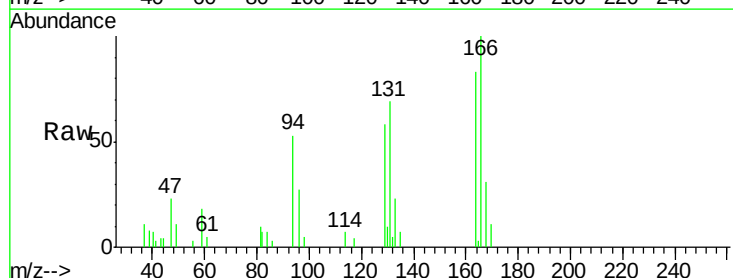
Ion Ratio Lower Upper

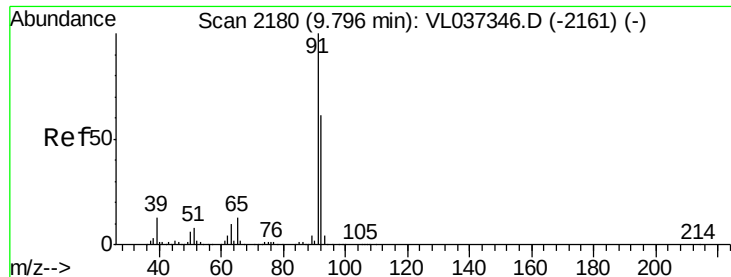
164 100

166 120.9 99.4 149.0

129 69.5 79.2 118.8#

131 83.5 75.4 113.0





#53

Toluene

Concen: 0.598 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.00 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-INFLUENTDL

Tot Ion: 91 Resp: 140455

Ion Ratio Lower Upper

91 100

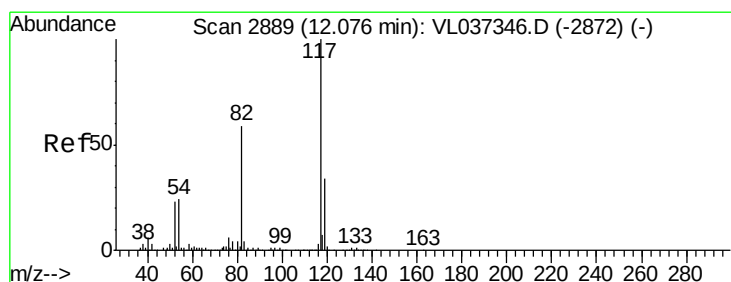
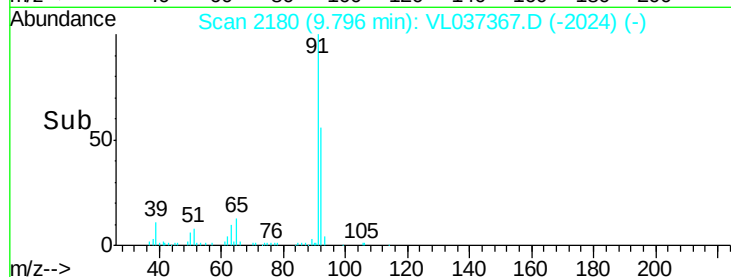
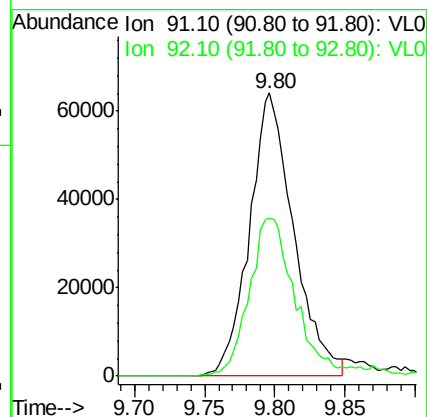
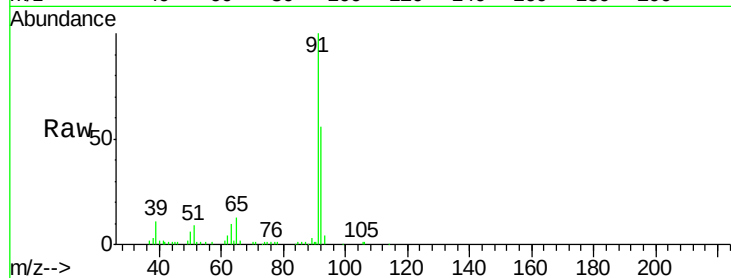
92 60.4 48.2 72.4

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VL037367.D

Acq: 7 Aug 2021 6:36

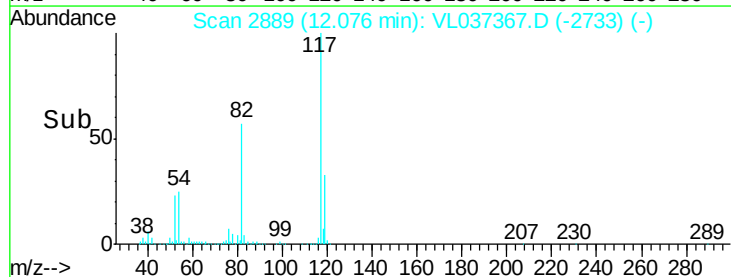
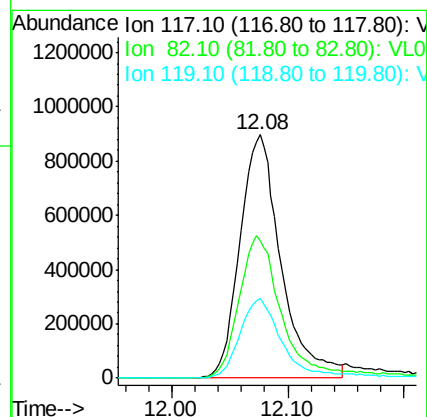
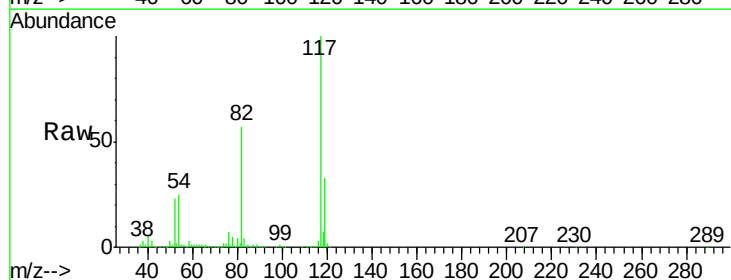
Tgt Ion: 117 Resp: 2209763

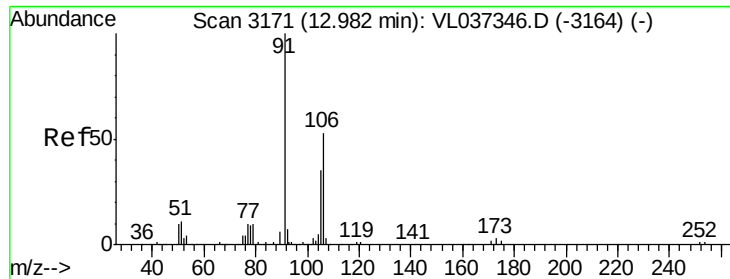
Ion Ratio Lower Upper

117 100

82 64.9 46.0 69.0

119 35.5 24.4 36.6





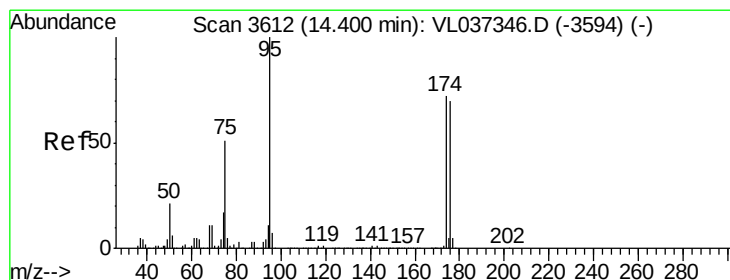
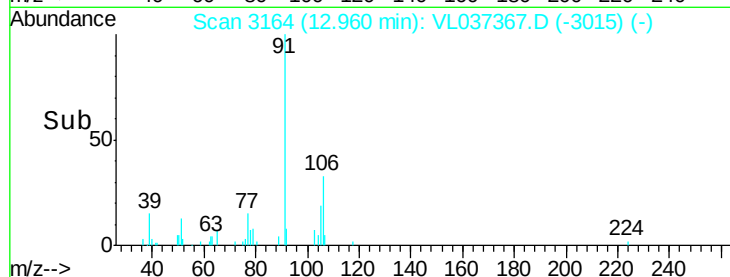
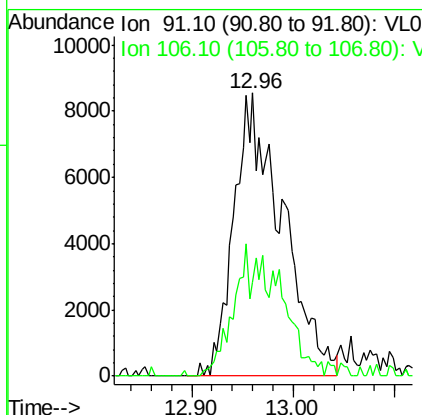
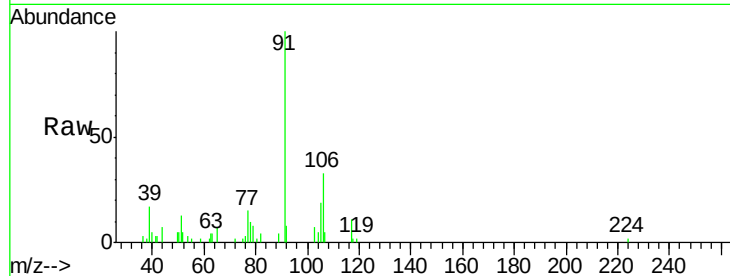
#59
m/p-Xylene
Concen: 0.112 ppbv m
RT: 12.96 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VL037367.D
Acq: 7 Aug 2021 6:36

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-INFLUENTDL

Tot Ion: 91 Resp: 28104
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#

Manual Integrations
APPROVED

MMDadoda
8/10/2021 6:10:49 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.743 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. 0.00 min
Lab File: VL037367.D
Acq: 7 Aug 2021 6:36

Tgt Ion: 95 Resp: 1516684
Ion Ratio Lower Upper
95 100
174 83.3 60.8 91.2
175 5.6 4.3 6.5

