

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037390.D
 Acq On : 11 Aug 2021 14:16
 Operator : SY/AP
 Sample : M3157-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-EFFLUENTDL

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:17:02 AM

Quant Time: Aug 12 02:52:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 09:01:07 2021
 QLast Update : Wed Aug 11 09:01:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1201376	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3811539	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3210828	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2227314	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	13006m	0.171	ppbv	
13) Ethanol	3.63	45	18929m	2.062	ppbv	
15) Acetone	3.87	43	110630m	0.967	ppbv	
20) Methylene Chloride	4.35	84	75292	1.211	ppbv	94
26) Hexane	5.68	57	88178m	0.594	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	213124	1.603	ppbv	94
53) Toluene	9.81	91	35673m	0.102	ppbv	

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

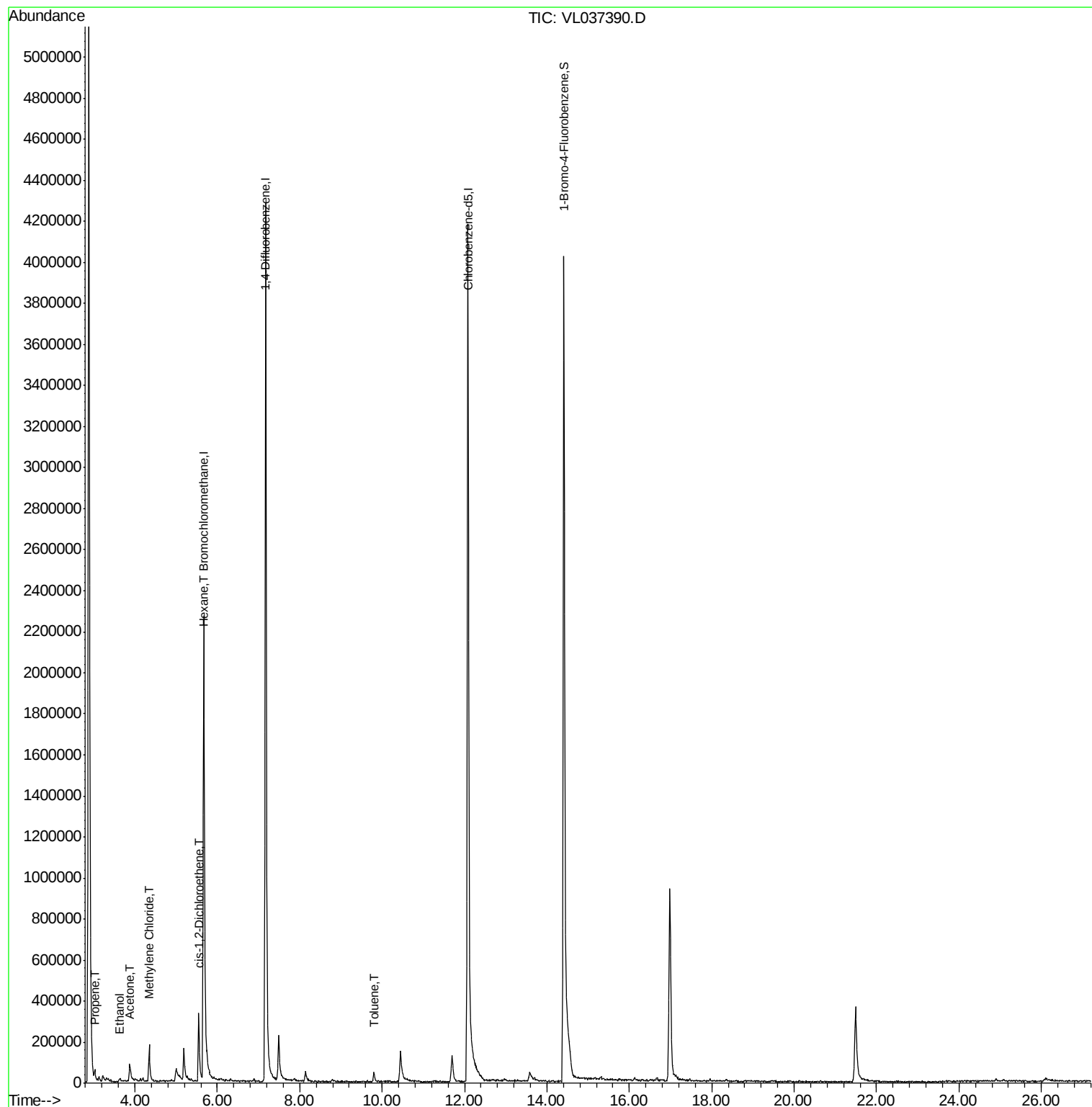
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081121\
Data File : VL037390.D
Acq On : 11 Aug 2021 14:16
Operator : SY/AP
Sample : M3157-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

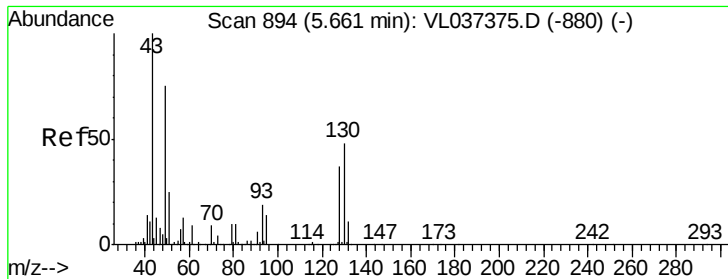
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Manual Integrations
APPROVED

apatel
8/12/2021 10:17:02 AM

Quant Time: Aug 12 02:52:53 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 11 09:01:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037390.D

Acq: 11 Aug 2021 14:16

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-EFFLUENTDL

Tot Ion: 49 Resp: 1201376

Ion Ratio Lower Upper

49 100

128 59.0 28.1 84.4

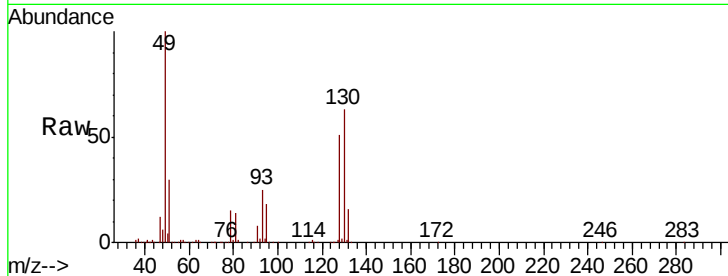
130 76.9 34.3 102.8

Manual Integrations

APPROVED

apatel

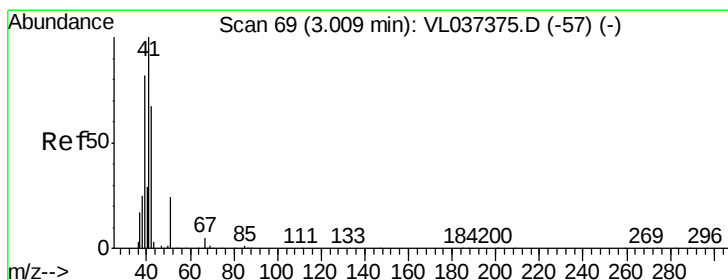
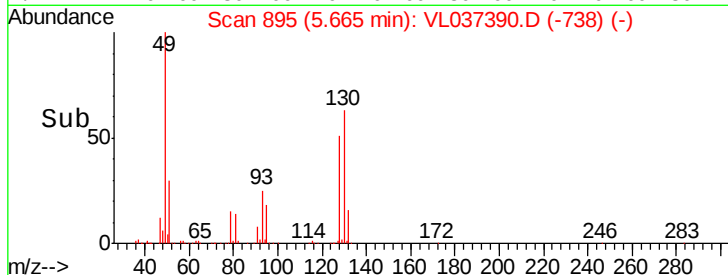
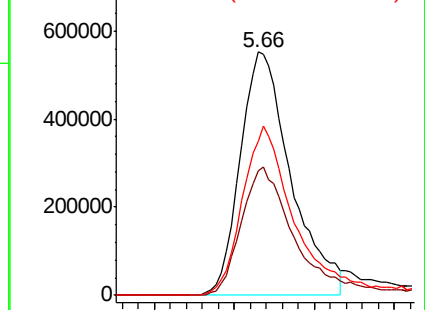
8/12/2021 10:17:02 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.171 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037390.D

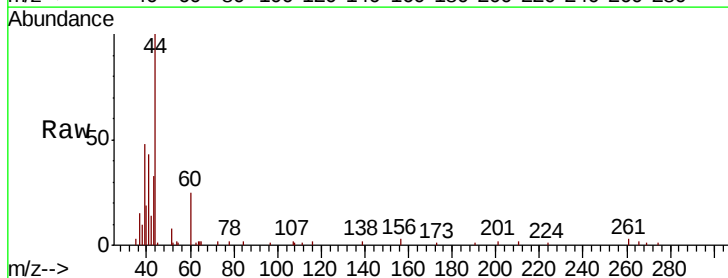
Acq: 11 Aug 2021 14:16

Tgt Ion: 41 Resp: 13006

Ion Ratio Lower Upper

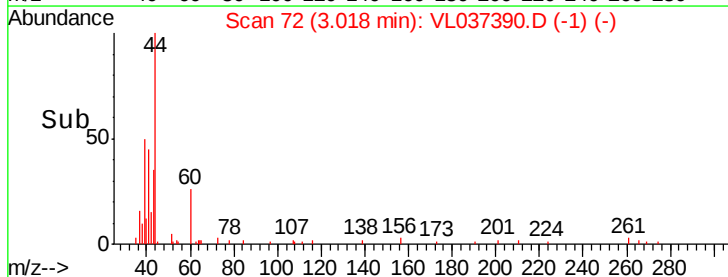
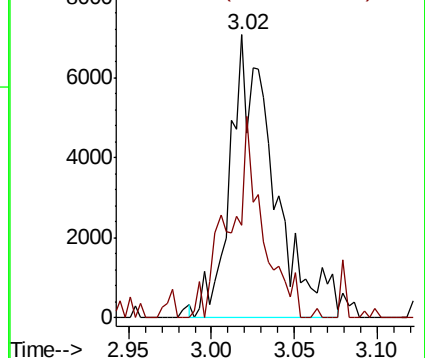
41 100

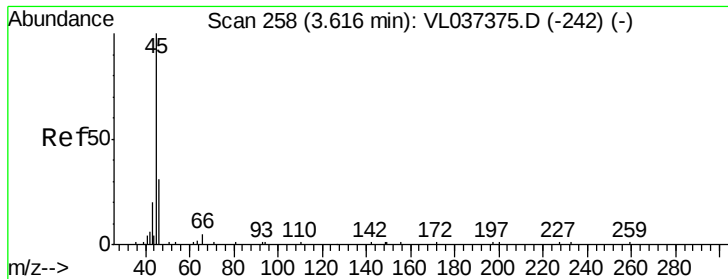
42 0.0 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





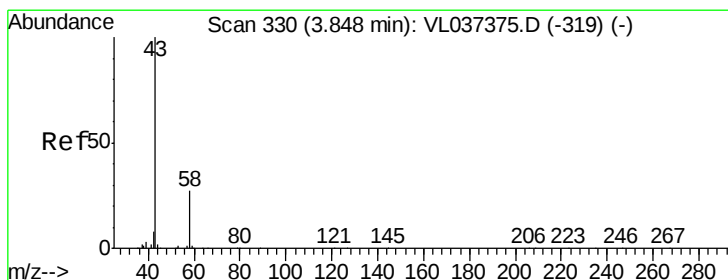
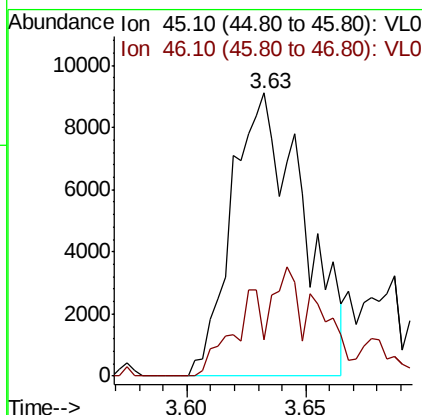
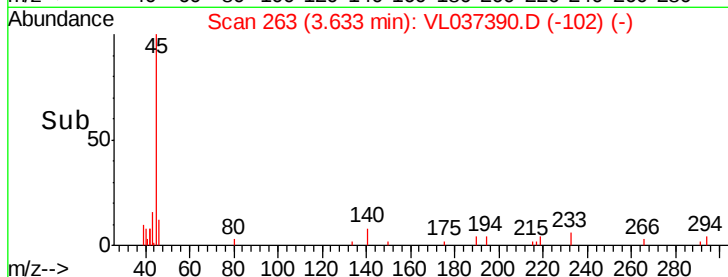
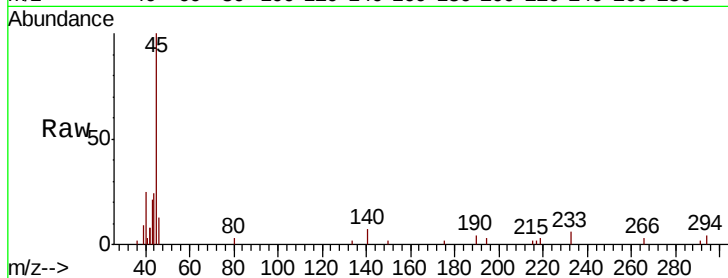
#13
Ethanol
Concen: 2.062 ppbv m
RT: 3.63 min Scan# 263
Delta R.T. 0.02 min
Lab File: VL037390.D
Acq: 11 Aug 2021 14:16

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Tot Ion: 45 Resp: 18929
Ion Ratio Lower Upper
45 100
46 0.0 15.8 63.4#

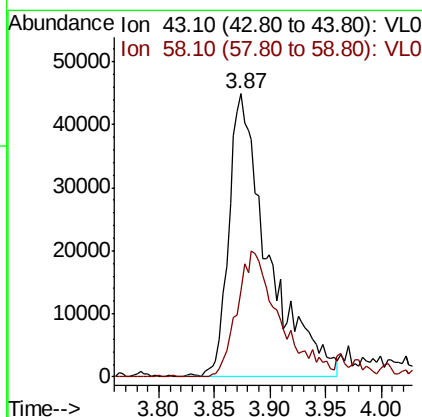
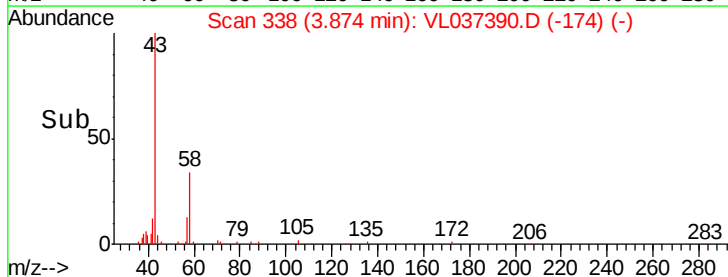
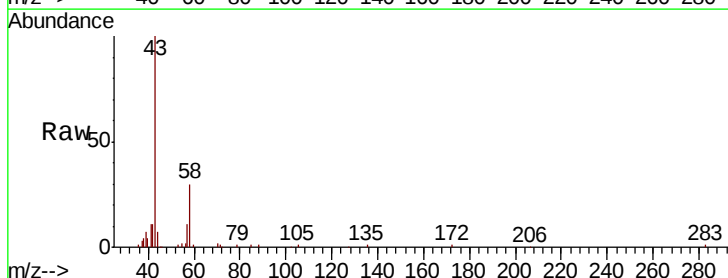
Manual Integrations
APPROVED

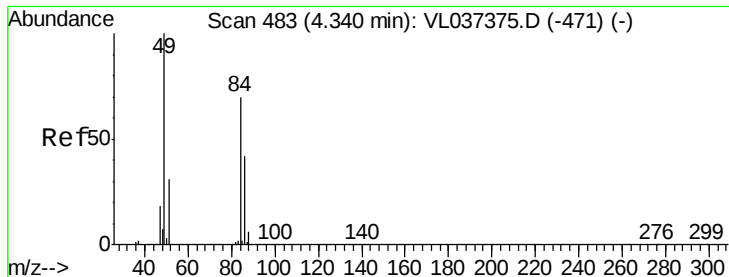
apatel
8/12/2021 10:17:02 AM



#15
Acetone
Concen: 0.967 ppbv m
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL037390.D
Acq: 11 Aug 2021 14:16

Tgt Ion: 43 Resp: 110630
Ion Ratio Lower Upper
43 100
58 47.5 24.6 37.0#





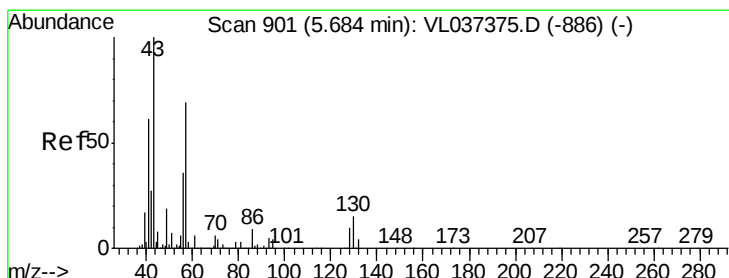
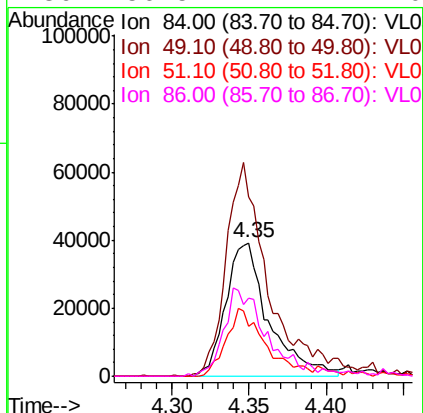
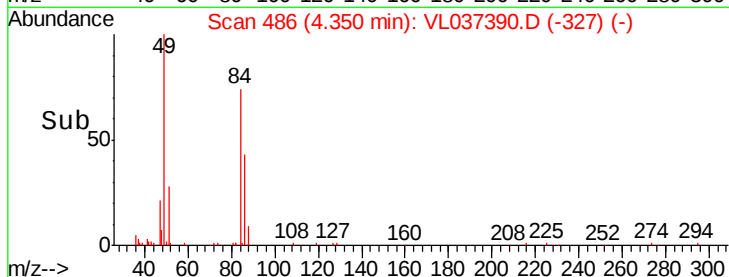
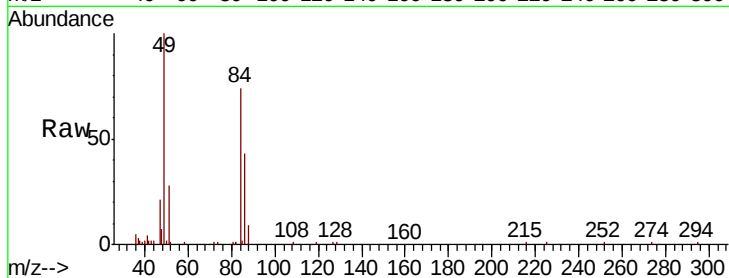
#20
Methvlene Chloride
Concen: 1.211 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL037390.D
Acq: 11 Aug 2021 14:16

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Tot Ion:	84	Resp:	75292
Ion	Ratio	Lower	Upper
84	100		
49	134.5	113.8	170.6
51	37.7	34.7	52.1
86	56.5	47.4	71.0

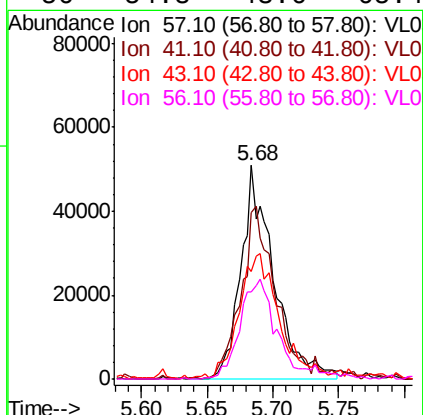
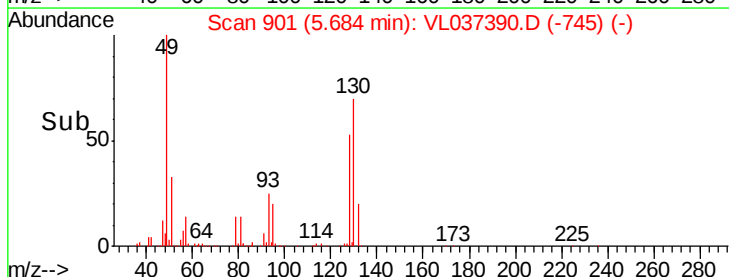
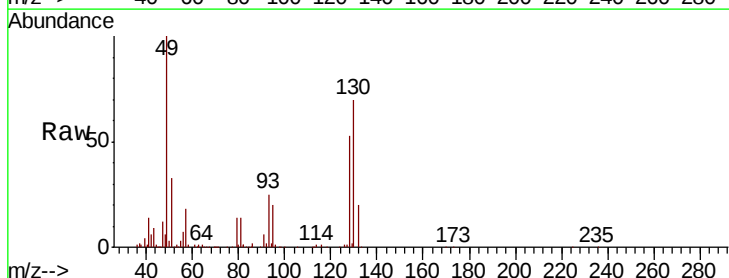
Manual Integrations
APPROVED

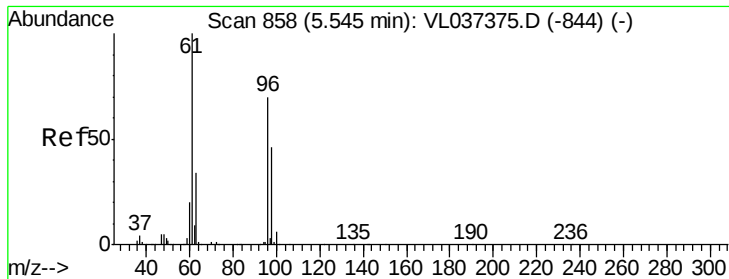
apatel
8/12/2021 10:17:02 AM



#26
Hexane
Concen: 0.594 ppbv m
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037390.D
Acq: 11 Aug 2021 14:16

Tgt Ion:	57	Resp:	88178
Ion	Ratio	Lower	Upper
57	100		
41	89.4	73.4	110.0
43	72.1	174.4	261.6#
56	54.8	43.6	65.4





#31

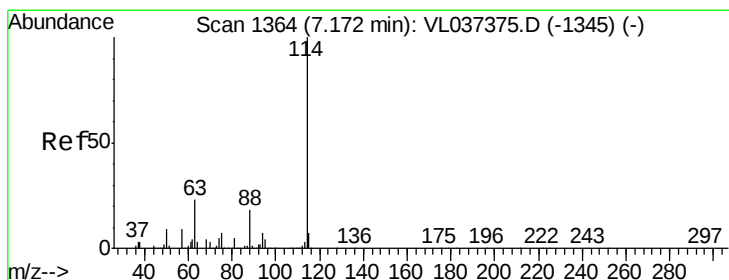
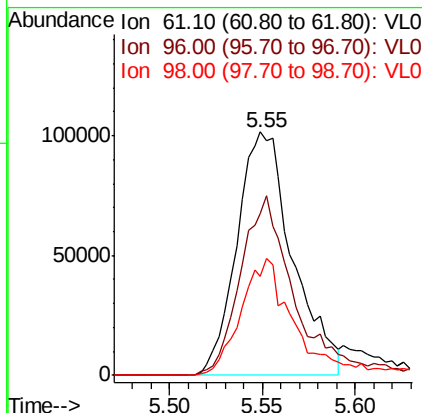
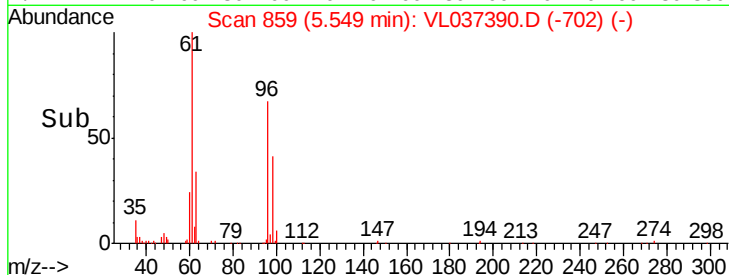
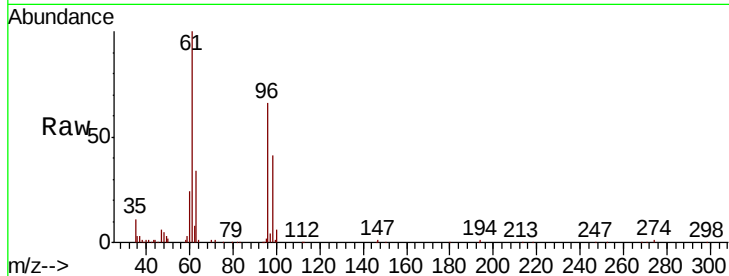
cis-1,2-Dichloroethene
Concen: 1.603 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL037390.D
Acq: 11 Aug 2021 14:16

Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.4	56.0	84.0
98	40.5	36.8	55.2

Manual Integrations
APPROVED

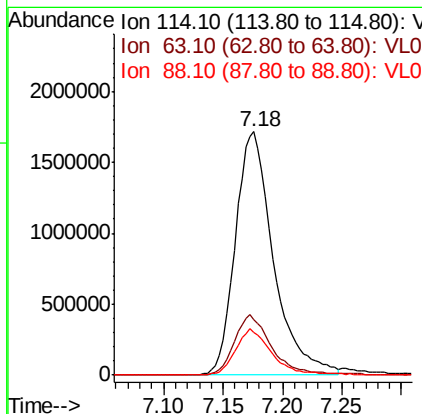
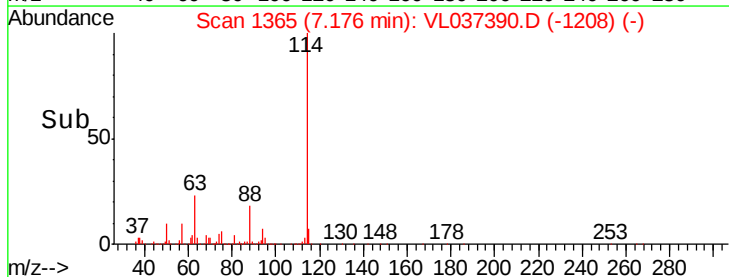
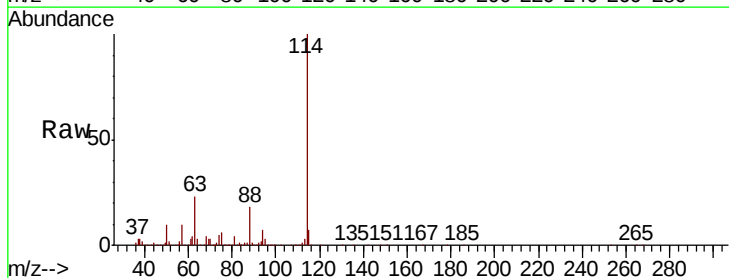
apatel
8/12/2021 10:17:02 AM

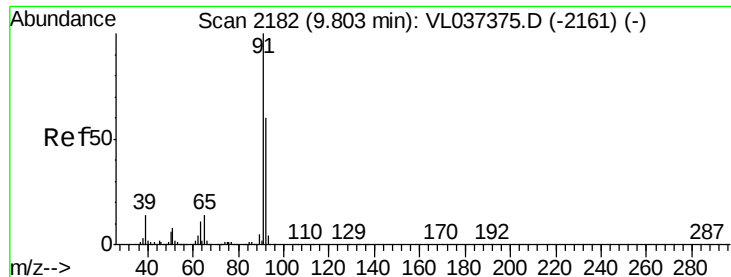


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VL037390.D
Acq: 11 Aug 2021 14:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.5	29.3
88	18.2	14.3	21.5





#53

Toluene

Concen: 0.102 ppbv m

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL037390.D

Acq: 11 Aug 2021 14:16

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-EFFLUENTDL

Tot Ion: 91 Resp: 35673

Ion Ratio Lower Upper

91 100

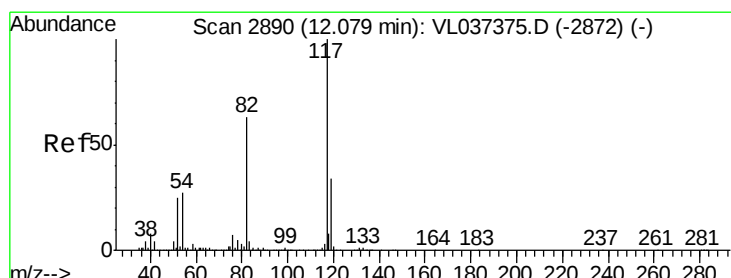
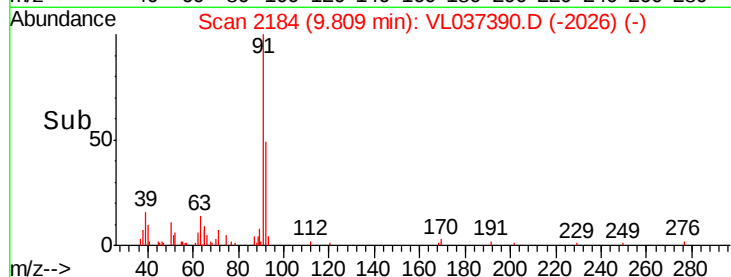
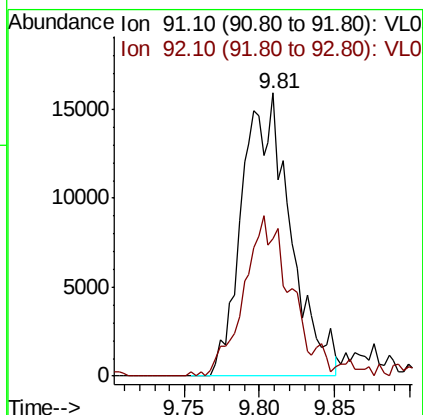
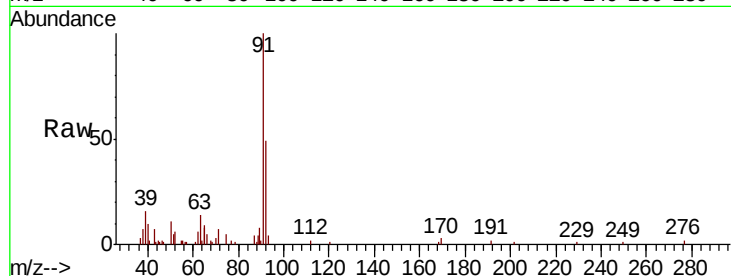
92 57.2 48.1 72.1

Manual Integrations

APPROVED

apatel

8/12/2021 10:17:02 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037390.D

Acq: 11 Aug 2021 14:16

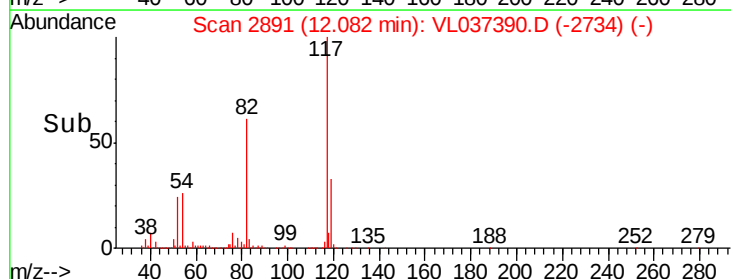
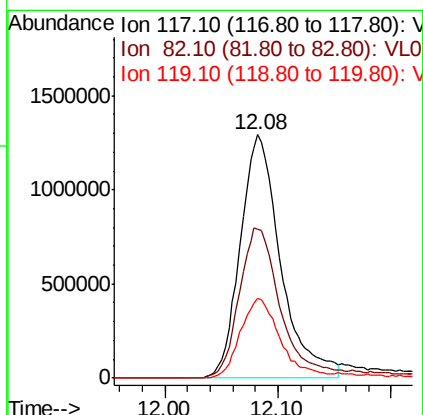
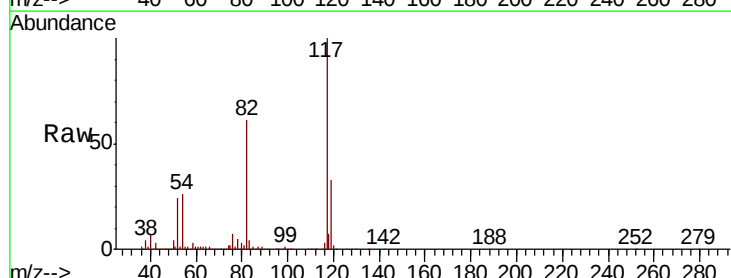
Tgt Ion: 117 Resp: 3210828

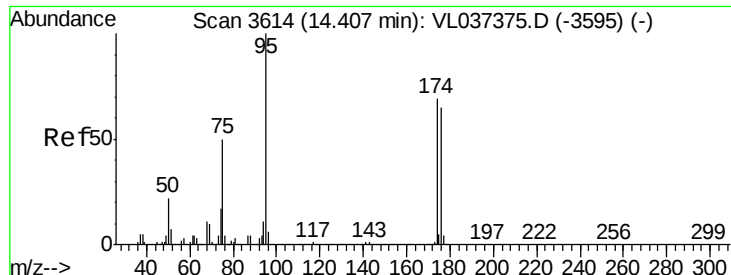
Ion Ratio Lower Upper

117 100

82 69.1 52.6 78.8

119 35.6 46.7 70.1#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.302 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.00 min
 Lab File: VL037390.D
 Acq: 11 Aug 2021 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	80.3	58.3	87.5
175	5.9	4.3	6.5

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:17:02 AM

