

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037089.D
 Acq On : 2 Jun 2021 3:33
 Operator : SY/AP
 Sample : M2548-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2ADL

Manual Integrations
 APPROVED

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 6/7/2021 2:59:30 PM

Quant Time: Jun 06 21:35:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1473412	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4295478	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3881023	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2736941	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	30958	0.124	ppbv	97
13) Ethanol	3.59	45	793508m	61.529	ppbv	
15) Acetone	3.84	43	486665	3.225	ppbv	91
19) Isopropyl Alcohol	3.97	45	85529m	1.054	ppbv	
20) Methylene Chloride	4.33	84	36173	0.447	ppbv	89
53) Toluene	9.79	91	46218m	0.105	ppbv	

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

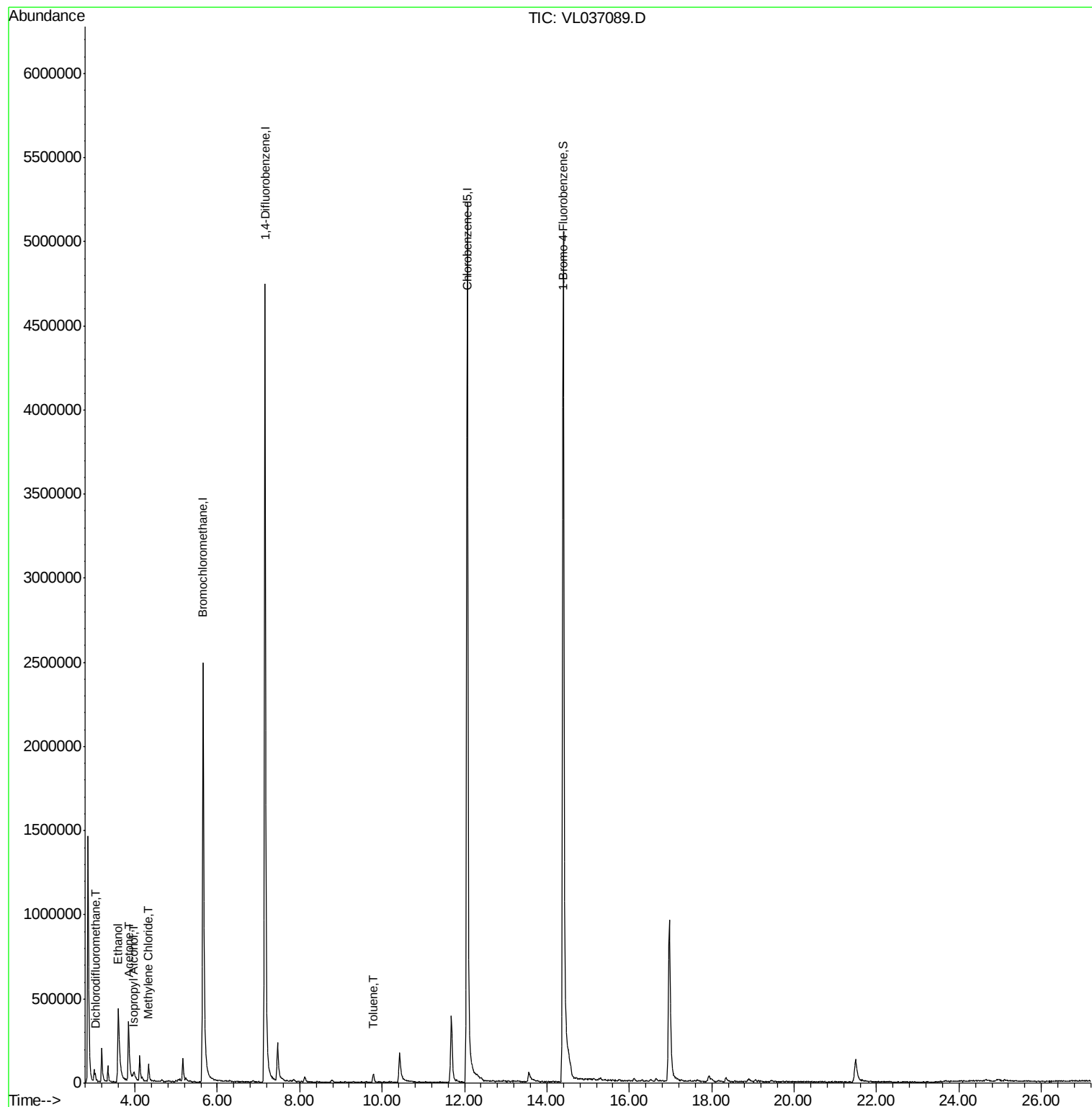
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060121\
Data File : VL037089.D
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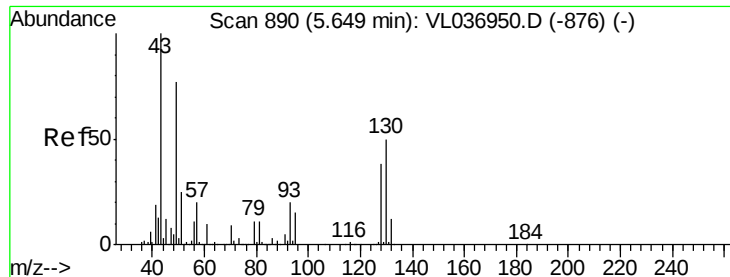
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037089.D

Acq: 2 Jun 2021 3:33

Instrument :

MSVOA_L

ClientSampleId :

IA-2ADL

Tot Ion: 49 Resp: 1473412

Ion Ratio Lower Upper

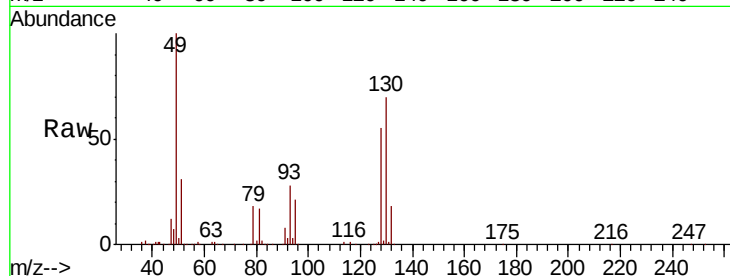
49 100

128 56.0 26.9 80.7

130 71.3 33.8 101.4

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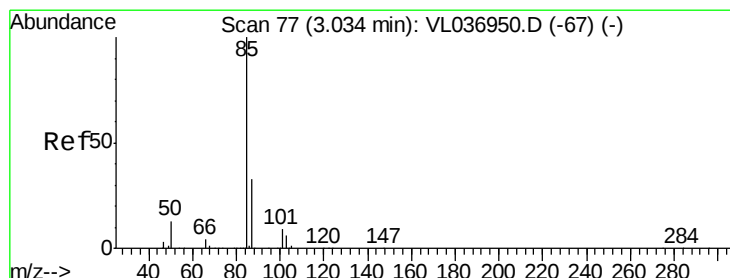
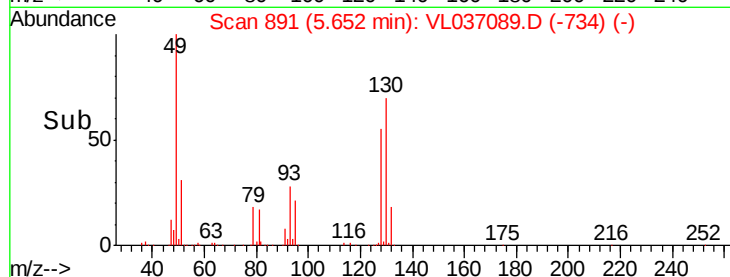
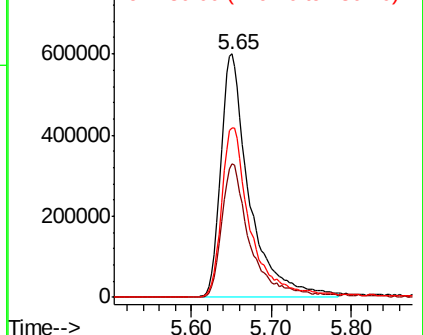
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.124 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL037089.D

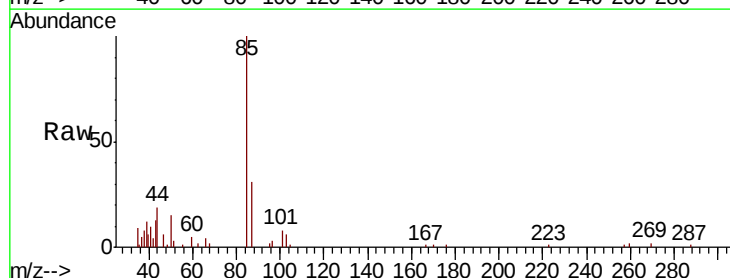
Acq: 2 Jun 2021 3:33

Tgt Ion: 85 Resp: 30958

Ion Ratio Lower Upper

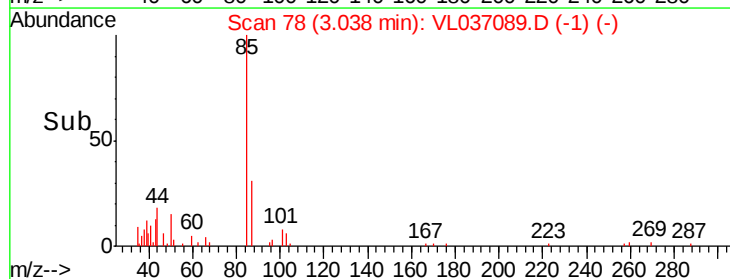
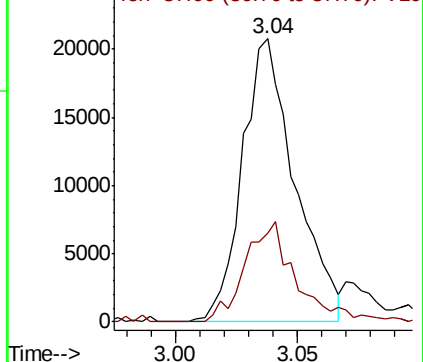
85 100

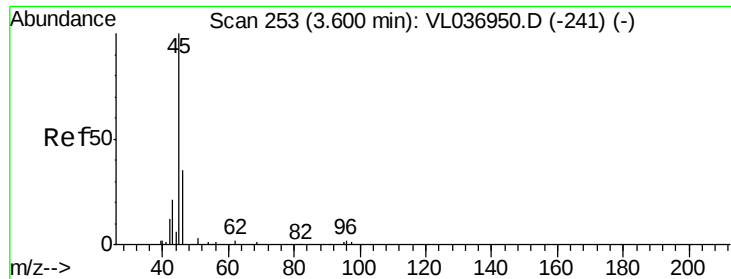
87 31.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





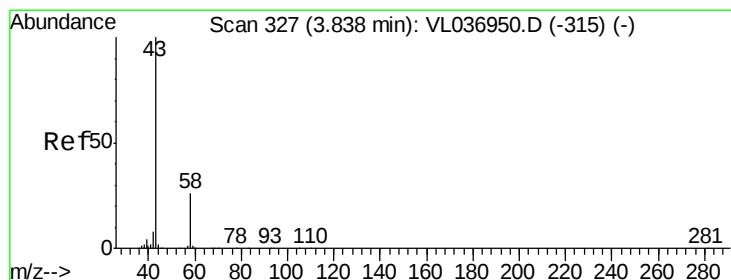
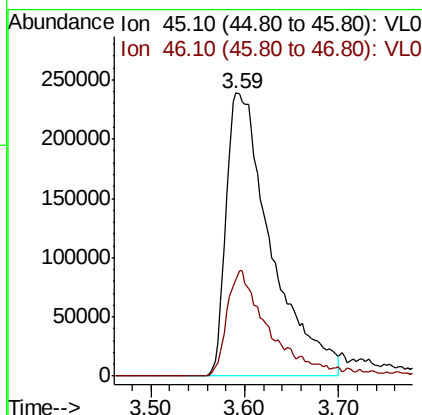
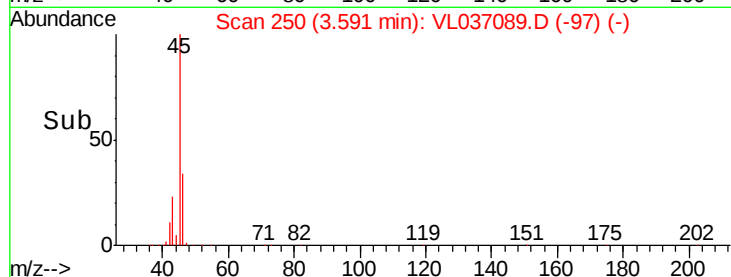
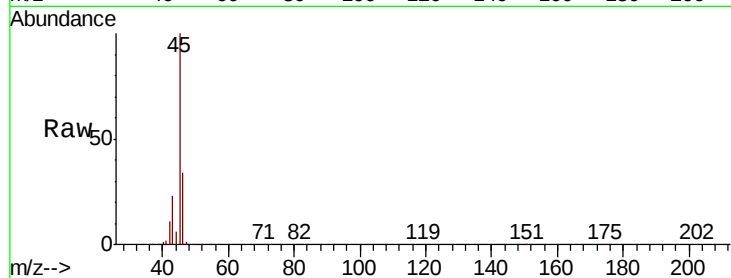
#13
Ethanol
Concen: 61.529 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.01 min
Lab File: VL037089.D
Acq: 2 Jun 2021 3:33

Instrument :
MSVOA_L
ClientSampled :
IA-2ADL

Tot Ion	45	46	Ratio	Lower	Upper
793508	100	36.8		16.3	65.3

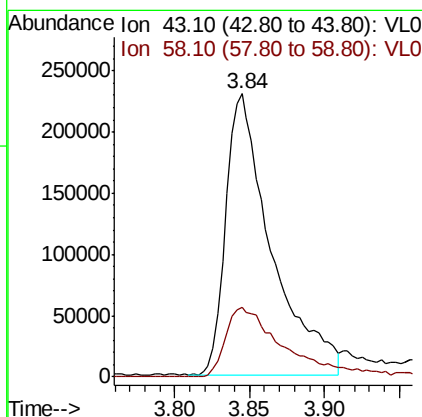
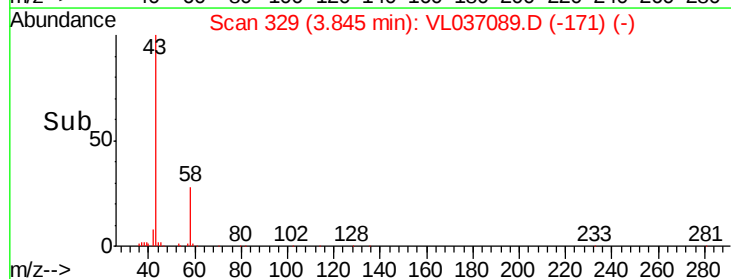
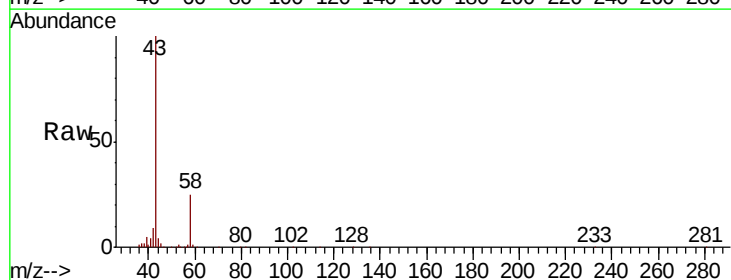
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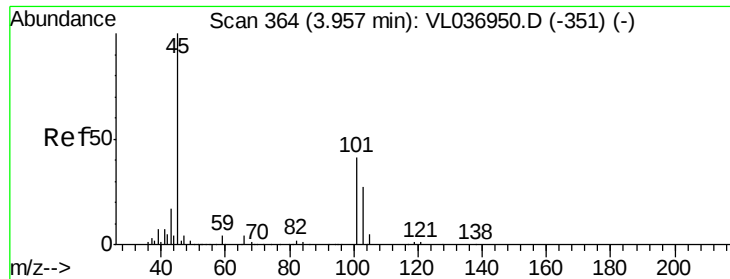
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#15
Acetone
Concen: 3.225 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037089.D
Acq: 2 Jun 2021 3:33

Tgt Ion	43	58	Ratio	Lower	Upper
486665	100	34.7		24.0	36.0





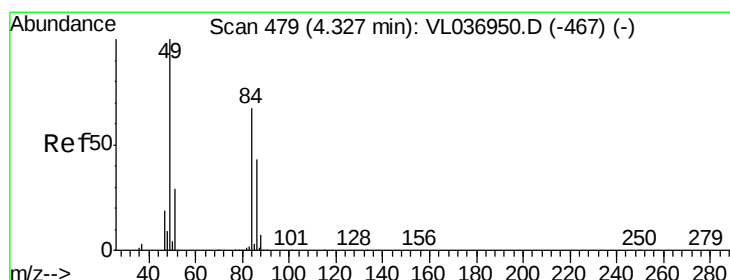
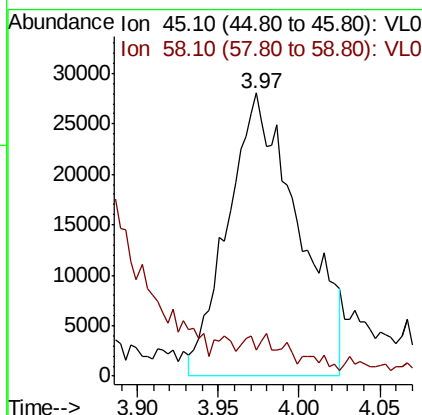
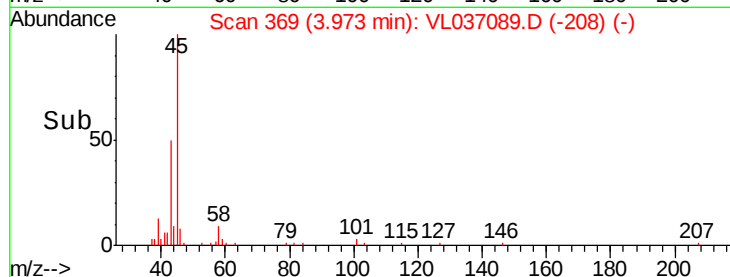
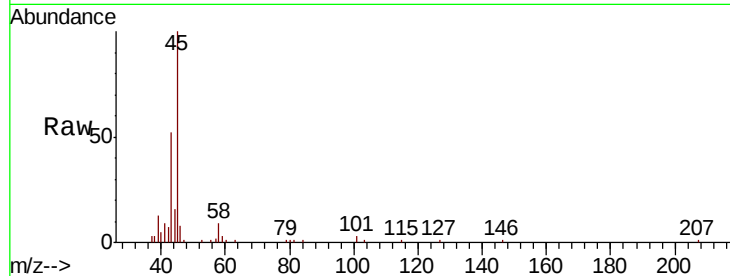
#19
Isopropyl Alcohol
Concen: 1.054 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL037089.D
Acq: 2 Jun 2021 3:33

Instrument :
MSVOA_L
ClientSampleId :
IA-2ADL

Tot Ion: 45 Resp: 85529
Ion Ratio Lower Upper
45 100
58 6.4 37.2 55.8#

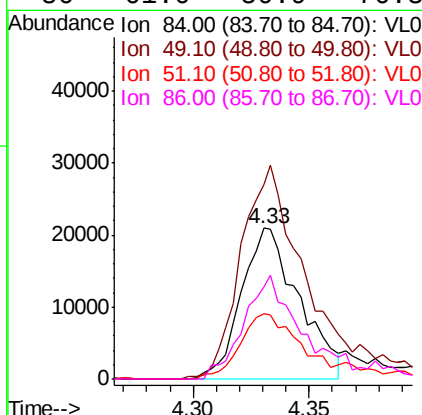
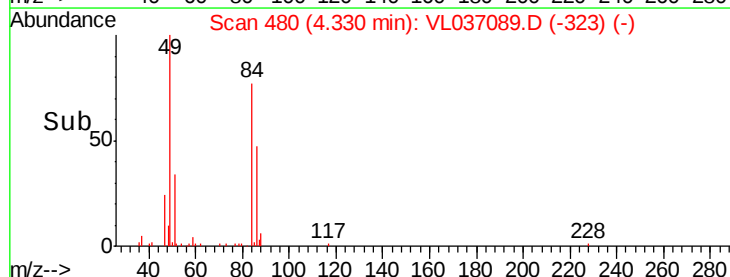
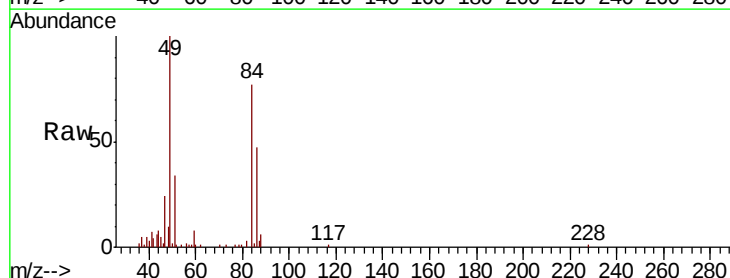
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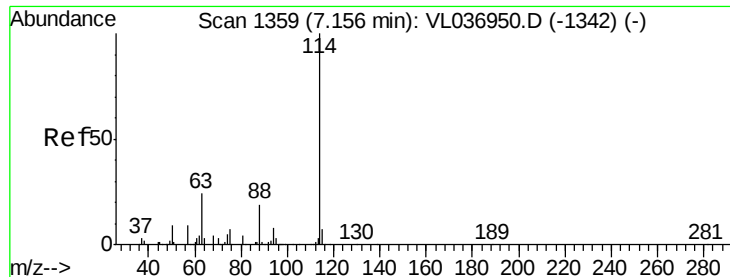
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#20
Methylene Chloride
Concen: 0.447 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037089.D
Acq: 2 Jun 2021 3:33

Tgt Ion: 84 Resp: 36173
Ion Ratio Lower Upper
84 100
49 127.9 119.8 179.6
51 43.4 35.1 52.7
86 61.0 50.9 76.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VL037089.D

Acq: 2 Jun 2021 3:33

Instrument :

MSVOA_L

ClientSampleId :

IA-2ADL

Tot Ion:114 Resp: 4295478

Ion Ratio Lower Upper

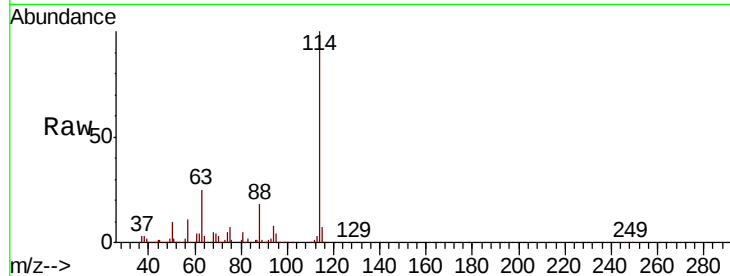
114 100

63 24.0 19.6 29.4

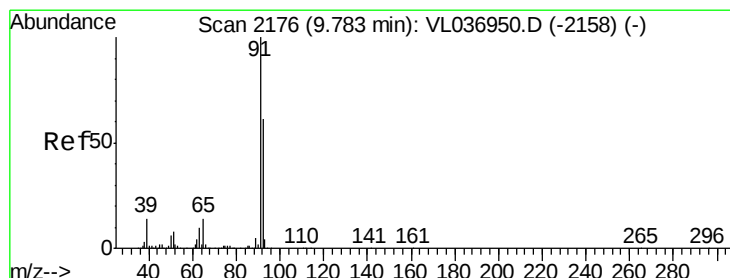
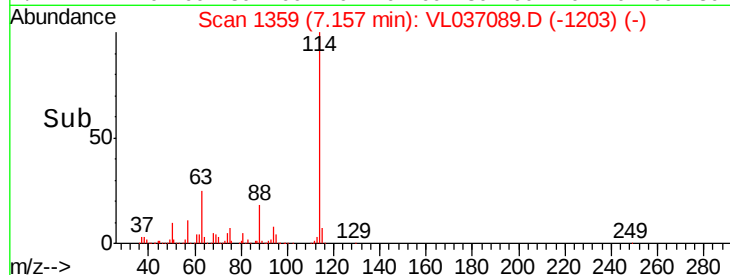
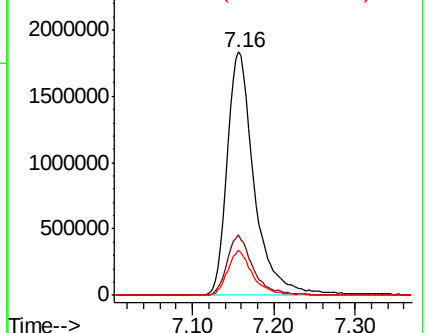
88 17.4 14.6 21.8

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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



#53

Toluene

Concen: 0.105 ppbv m

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037089.D

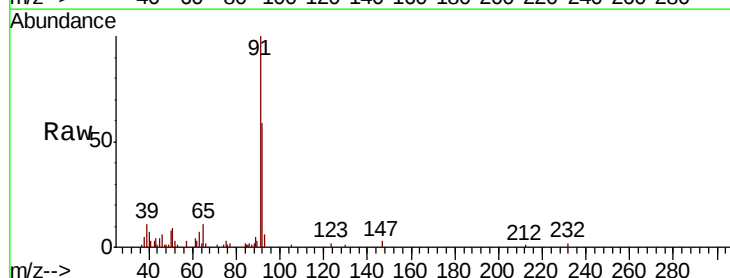
Acq: 2 Jun 2021 3:33

Tgt Ion: 91 Resp: 46218

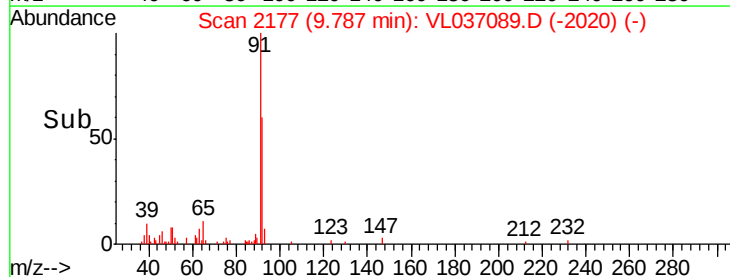
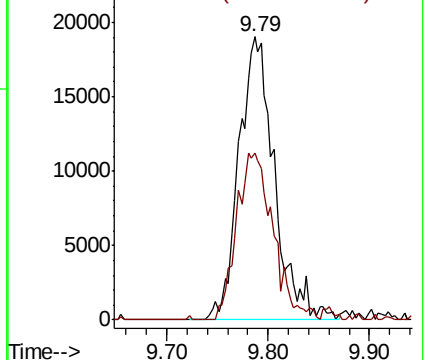
Ion Ratio Lower Upper

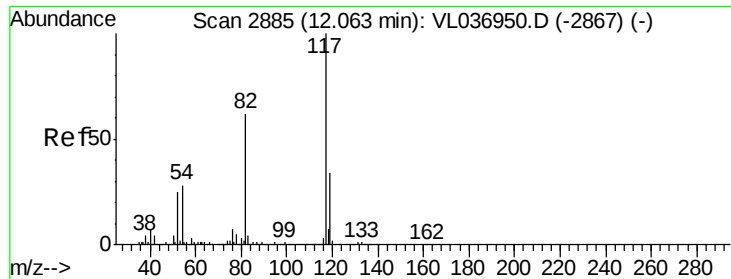
91 100

92 60.6 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





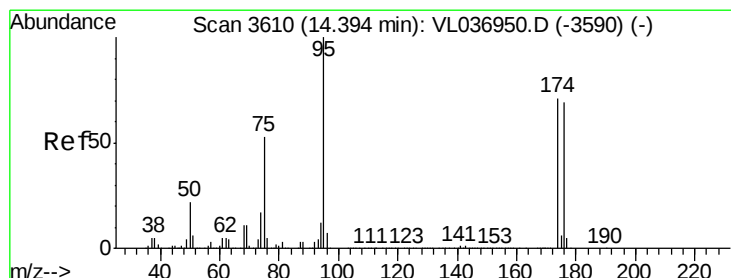
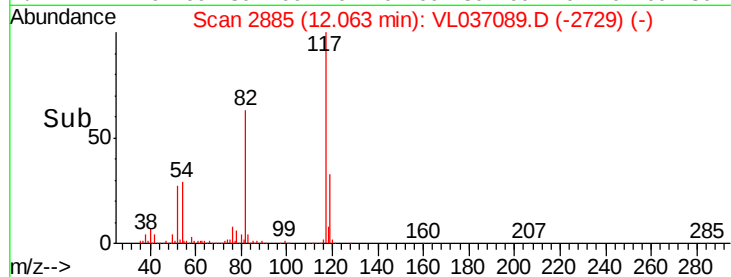
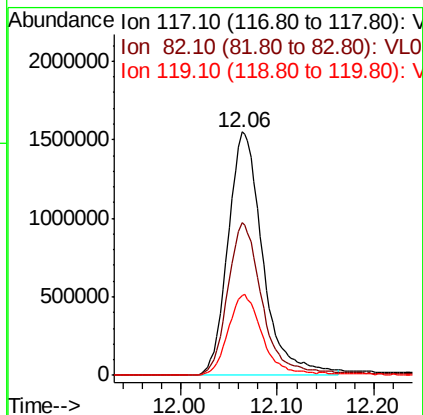
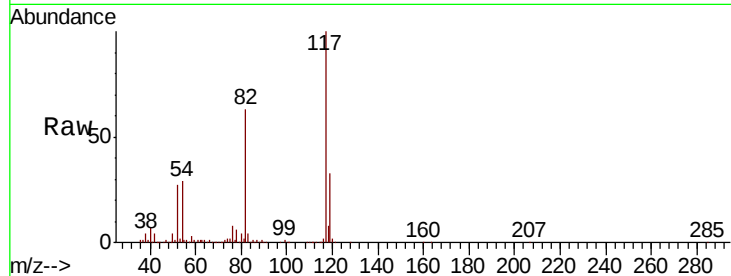
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL037089.D
Acq: 2 Jun 2021 3:33

Instrument :
MSVOA_L
ClientSampleId :
IA-2ADL

Tot Ion:117 Resp: 3881023
Ion Ratio Lower Upper
117 100
82 64.2 52.6 79.0
119 34.2 46.6 70.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.388 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037089.D
Acq: 2 Jun 2021 3:33

Tgt Ion: 95 Resp: 2736941
Ion Ratio Lower Upper
95 100
174 78.2 58.4 87.6
175 5.8 4.4 6.6

