

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036384.D
 Acq On : 25 Feb 2021 16:57
 Operator : SY/AP
 Sample : M1463-13DL DUP 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-10DL DUP

Manual Integrations
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 3/1/2021 10:02:40 AM

Quant Time: Feb 28 18:25:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1606335	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3461824	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3126080	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2530483	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) Heptane	8.11	43	31134m	0.142	ppbv	
13) Ethanol	3.60	45	744180m	53.243	ppbv	
15) Acetone	3.85	43	355612m	1.811	ppbv	
19) Isopropyl Alcohol	3.96	45	667558m	6.136	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	178605	0.334	ppbv #	84
53) Toluene	9.79	91	255183	0.801	ppbv	97
59) m/p-Xylene	12.96	91	130452m	0.347	ppbv	

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

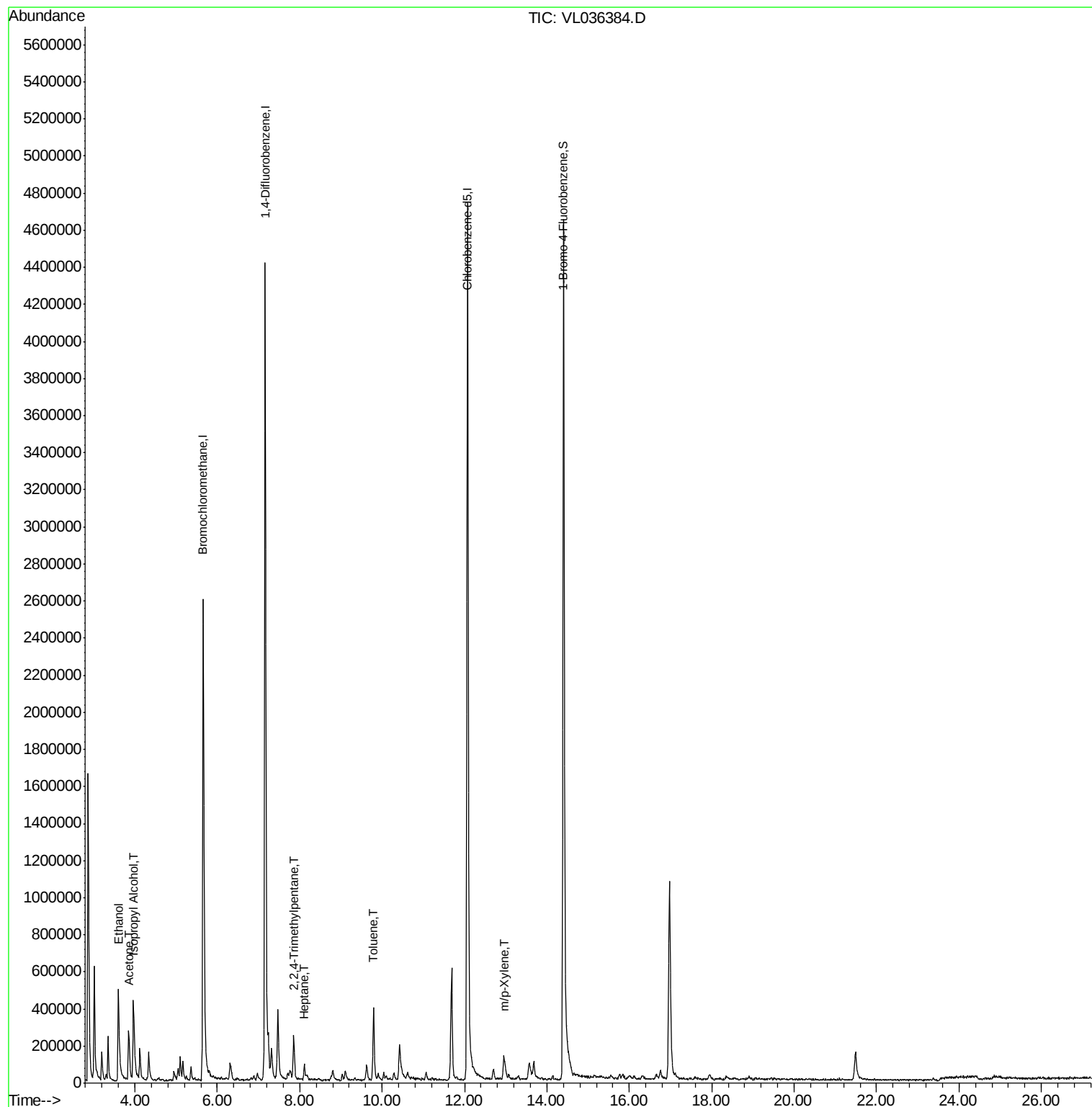
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
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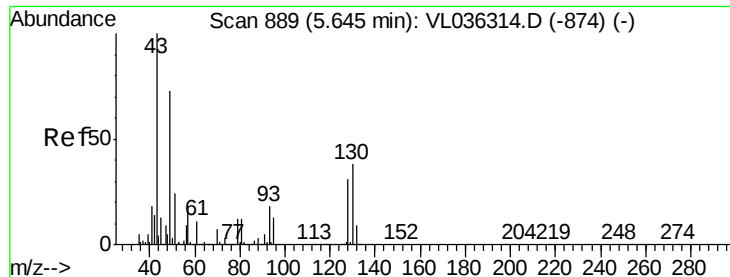
Instrument :
MSVOA_L
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NS-10DL DUP

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Quant Time: Feb 28 18:25:00 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL036384.D

Acq: 25 Feb 2021 16:57

Instrument :

MSVOA_L

ClientSampleId :

NS-10DLDP

Tot Ion: 49 Resp: 1606335

Ion Ratio Lower Upper

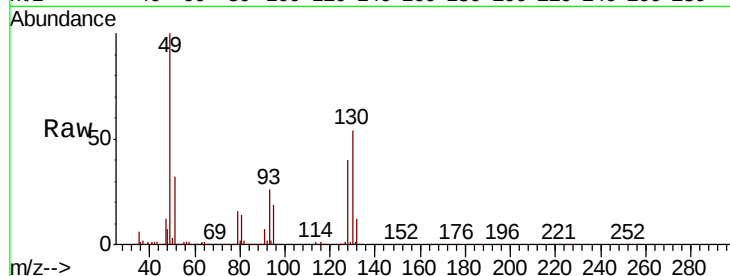
49 100

128 42.1 20.8 62.5

130 53.8 26.7 80.1

Manual Integrations
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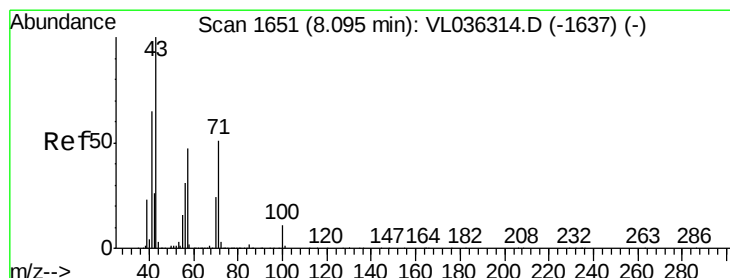
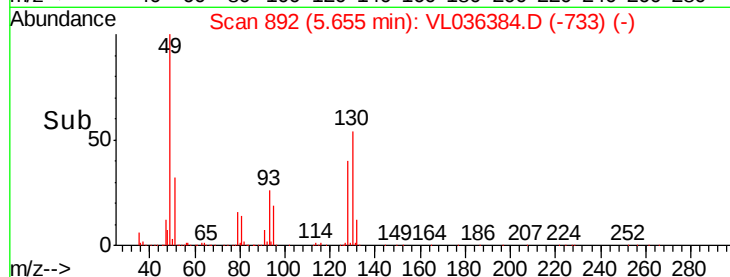
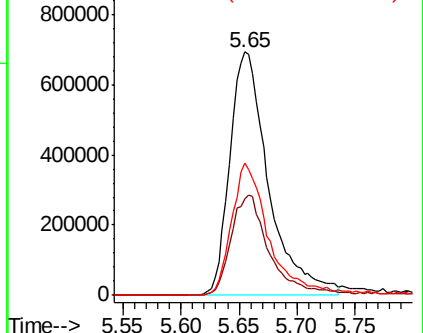
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#10

Heptane

Concen: 0.142 ppbv m

RT: 8.11 min Scan# 1656

Delta R.T. 0.02 min

Lab File: VL036384.D

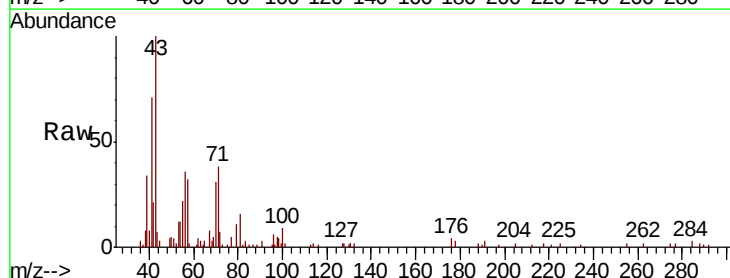
Acq: 25 Feb 2021 16:57

Tgt Ion: 43 Resp: 31134

Ion Ratio Lower Upper

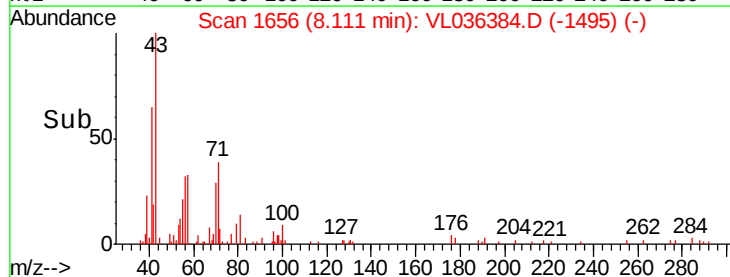
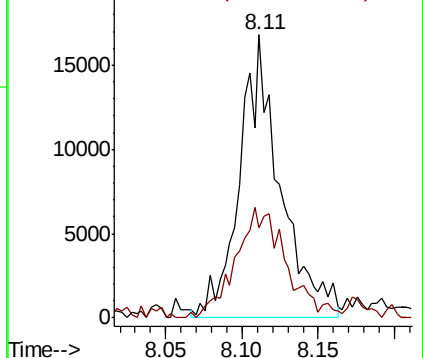
43 100

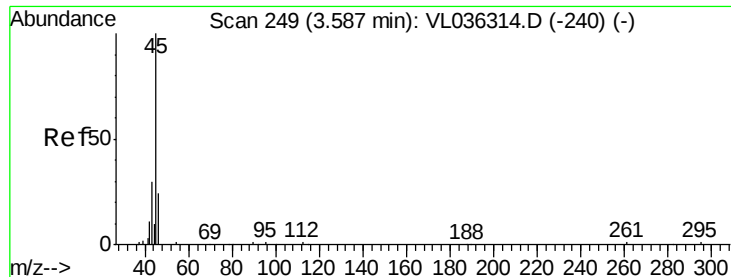
57 0.0 39.4 59.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





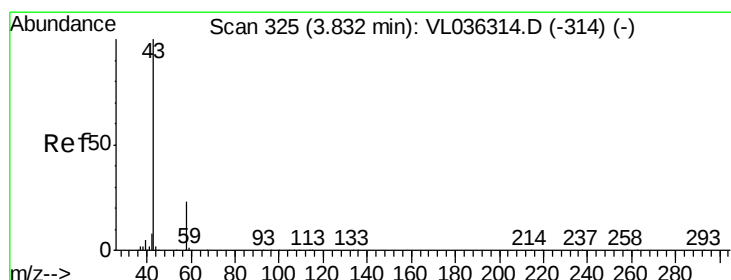
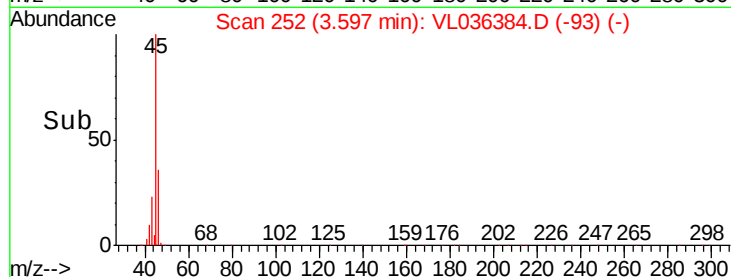
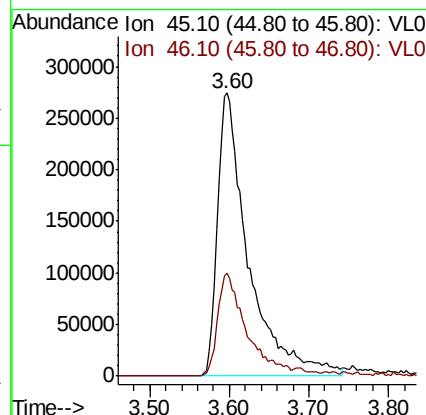
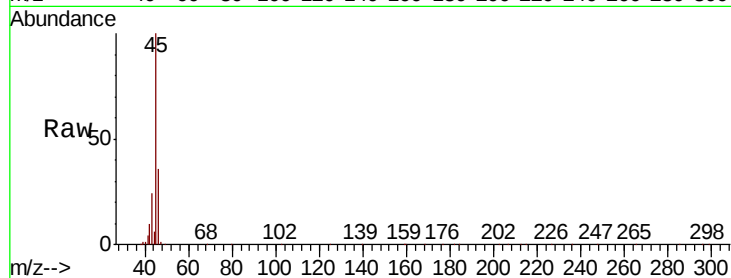
#13
Ethanol
Concen: 53.243 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL036384.D
Acq: 25 Feb 2021 16:57

Instrument :
MSVOA_L
ClientSampleId :
NS-10DLDP

Tot Ion	45	Resp	744180
Ion Ratio	100	Lower	Upper
46	36.1	17.7	70.7

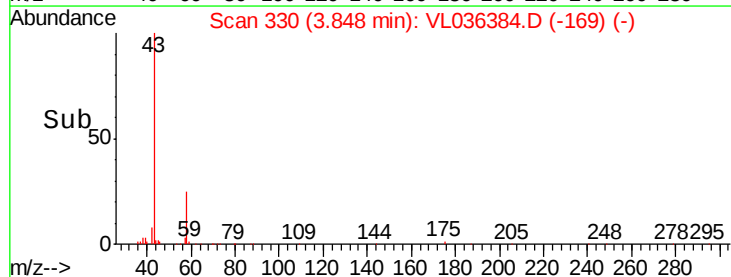
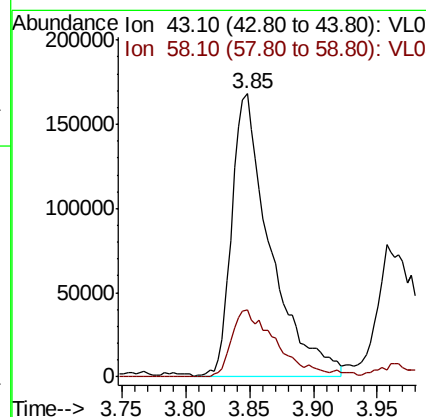
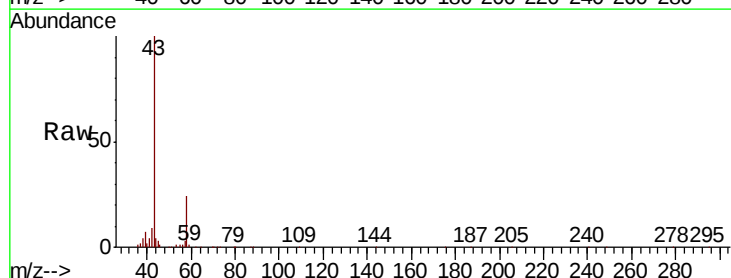
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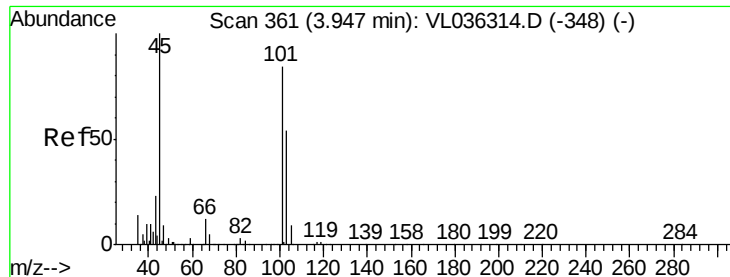
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#15
Acetone
Concen: 1.811 ppbv m
RT: 3.85 min Scan# 330
Delta R.T. 0.02 min
Lab File: VL036384.D
Acq: 25 Feb 2021 16:57

Tgt Ion	43	Resp	355612
Ion Ratio	100	Lower	Upper
58	27.8	20.3	30.5





#19

Isopropyl Alcohol

Concen: 6.136 ppbv m

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL036384.D

Acq: 25 Feb 2021 16:57

Instrument :

MSVOA_L

ClientSampleId :

NS-10DLDP

Tot Ion: 45 Resp: 667558

Ion Ratio Lower Upper

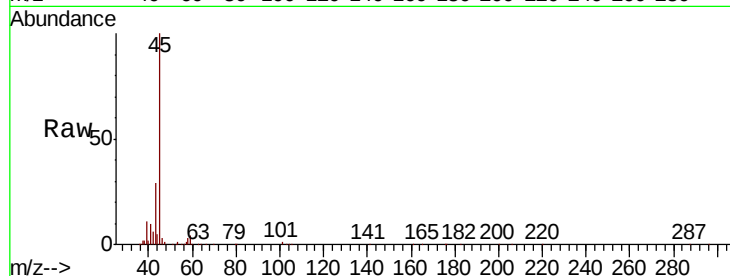
45 100

58 3.0 1.9 2.9#

Manual Integrations
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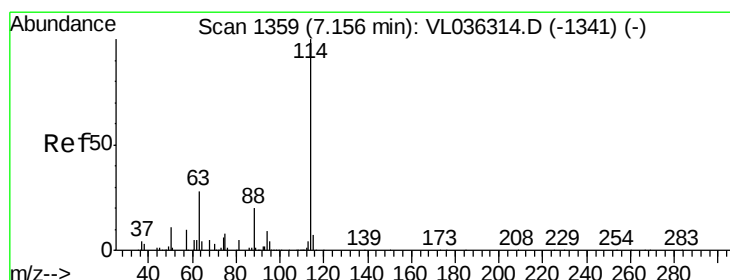
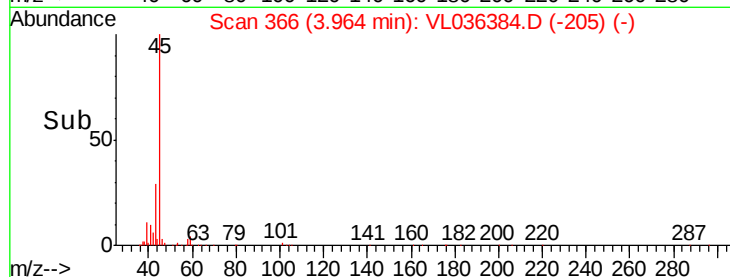
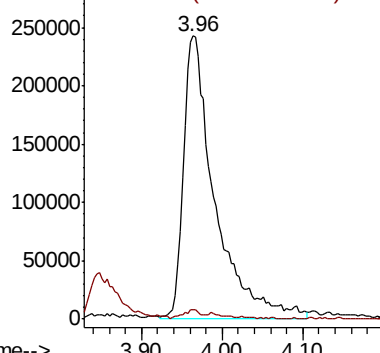
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VL036384.D

Acq: 25 Feb 2021 16:57

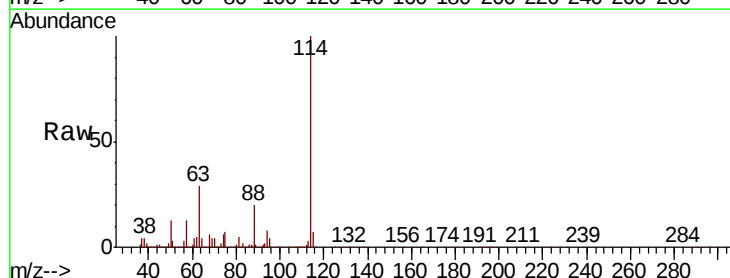
Tgt Ion: 114 Resp: 3461824

Ion Ratio Lower Upper

114 100

63 29.4 24.1 36.1

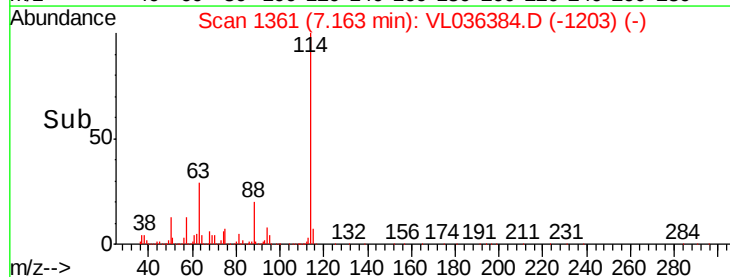
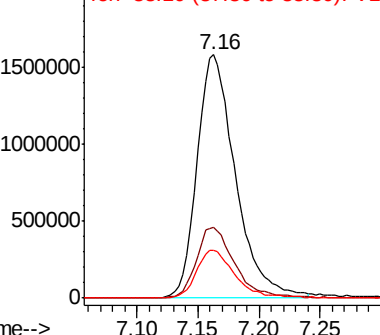
88 20.0 16.0 24.0

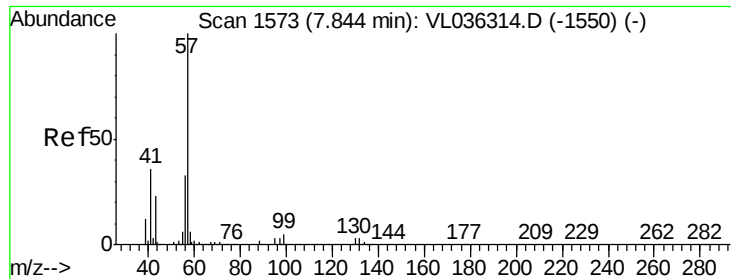


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





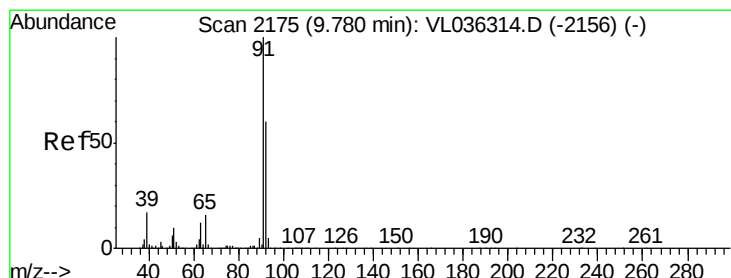
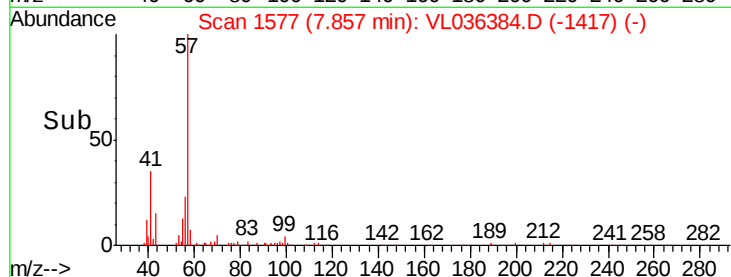
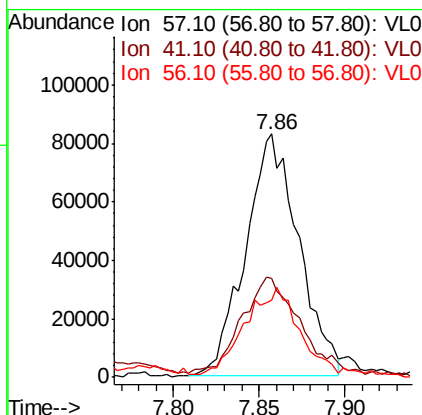
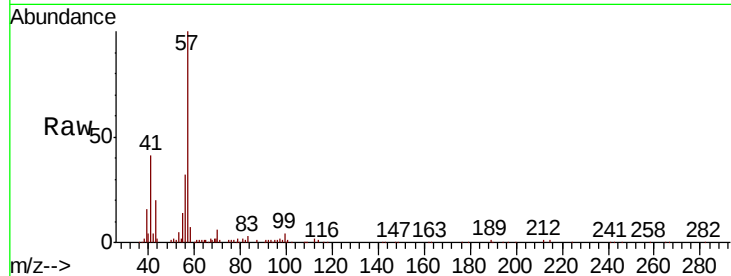
#44
 2,2,4-Trimethylpentane
 Concen: 0.334 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL036384.D
 Acq: 25 Feb 2021 16:57

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-10DLDP

Tot Ion	Ratio	Lower	Upper
57	100		
41	45.9	28.8	43.2#
56	40.4	25.8	38.6#

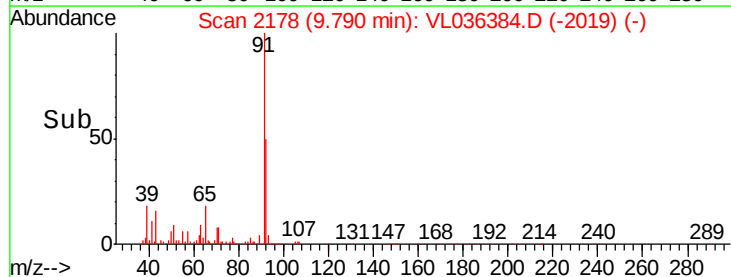
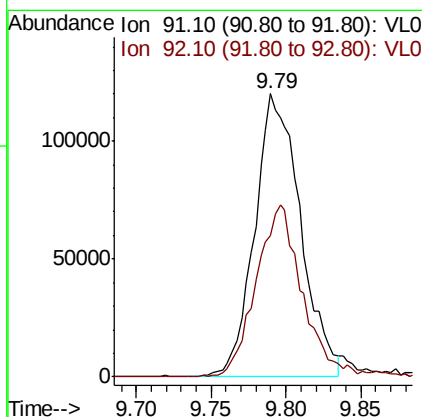
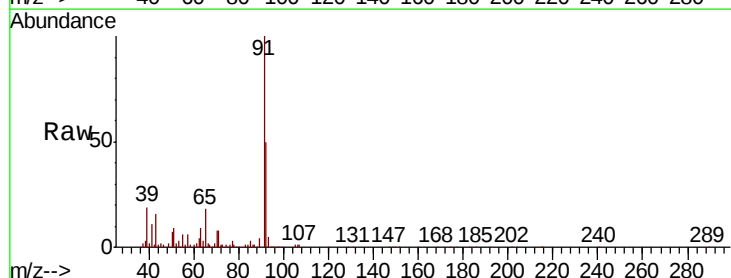
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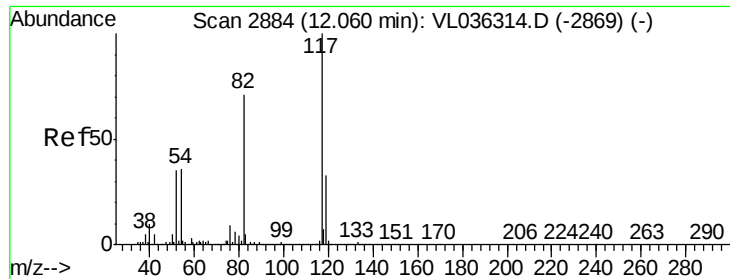
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#53
 Toluene
 Concen: 0.801 ppbv
 RT: 9.79 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VL036384.D
 Acq: 25 Feb 2021 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.0	48.6	72.8





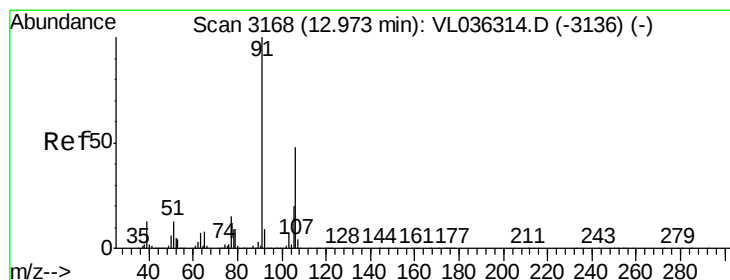
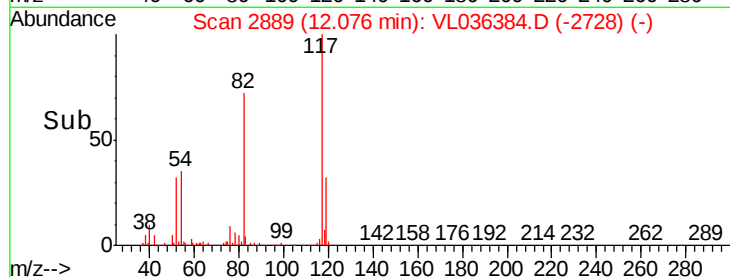
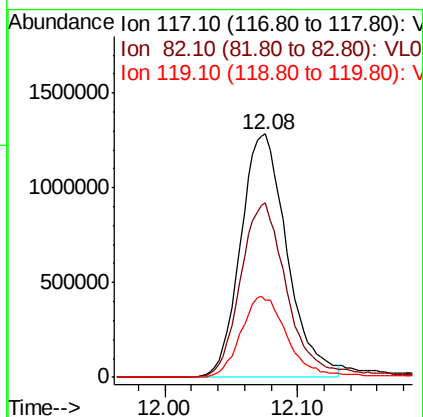
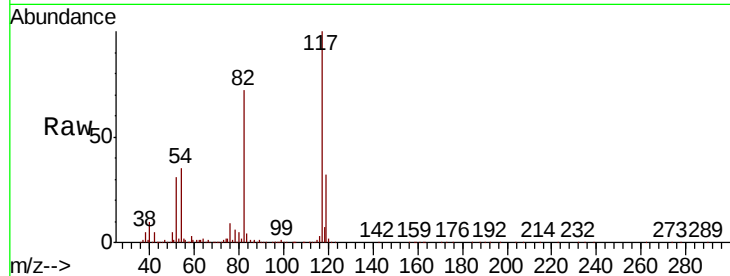
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL036384.D
Acq: 25 Feb 2021 16:57

Instrument :
MSVOA_L
ClientSampleId :
NS-10DLDP

Tot Ion	Ratio	Lower	Upper
117	100		
82	74.7	59.1	88.7
119	34.0	46.3	69.5

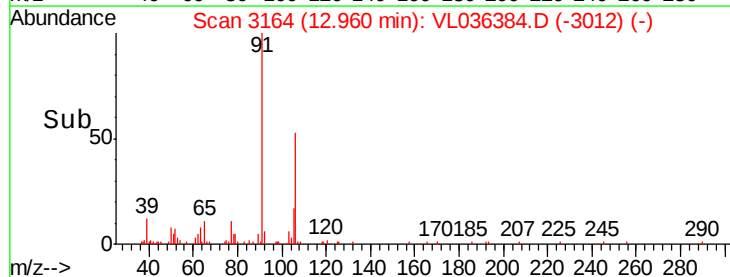
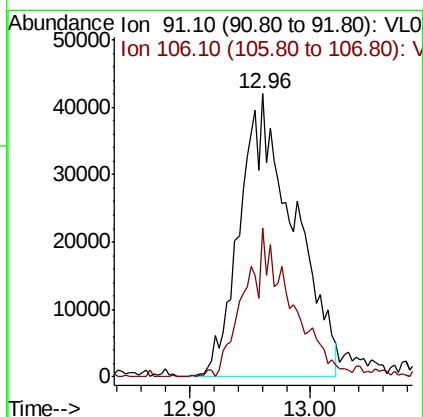
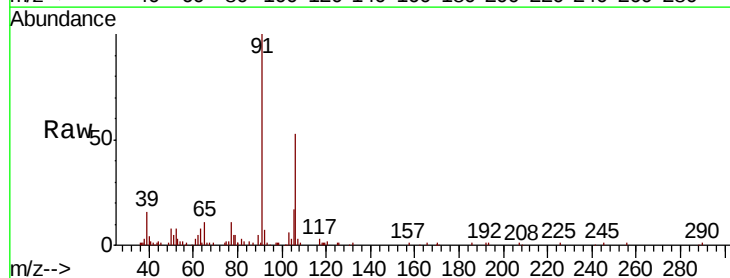
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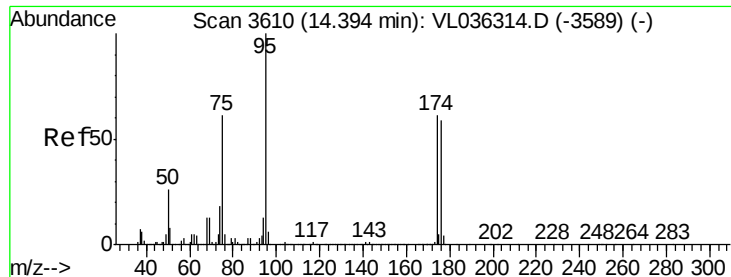
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#59
m/p-Xylene
Concen: 0.347 ppbv m
RT: 12.96 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL036384.D
Acq: 25 Feb 2021 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.838 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL036384.D

Acq: 25 Feb 2021 16:57

Instrument :

MSVOA_L

ClientSampleId :

NS-10DLDP

Tot Ion: 95 Resp: 2530483

Ion Ratio Lower Upper

95 100

174 64.7 49.8 74.6

175 4.6 3.7 5.5

Manual Integrations

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