

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037236.D
 Acq On : 23 Jun 2021 6:48
 Operator : SY/AP
 Sample : M2797-03DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
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 6/25/2021 2:21:25 PM

Quant Time: Jun 24 09:51:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1610374	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4730620	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4116010	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2962627	9.50	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	281693	0.900	ppbv	96
9) Propene	3.00	41	534654	5.340	ppbv	97
13) Ethanol	3.62	45	80320m	5.186	ppbv	
15) Acetone	3.84	43	2971098	16.361	ppbv	95
17) tert-Butyl alcohol	4.32	59	46217m	0.275	ppbv	
19) Isopropyl Alcohol	3.99	45	17341m	0.158	ppbv	
34) 2-Butanone	5.24	43	4397065	23.900	ppbv	100
36) Benzene	6.88	78	38532m	0.101	ppbv	
51) 2-Hexanone	10.14	43	307731m	2.503	ppbv	
53) Toluene	9.80	91	152801	0.334	ppbv	99
59) m/p-Xylene	12.95	91	100918m	0.210	ppbv	

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

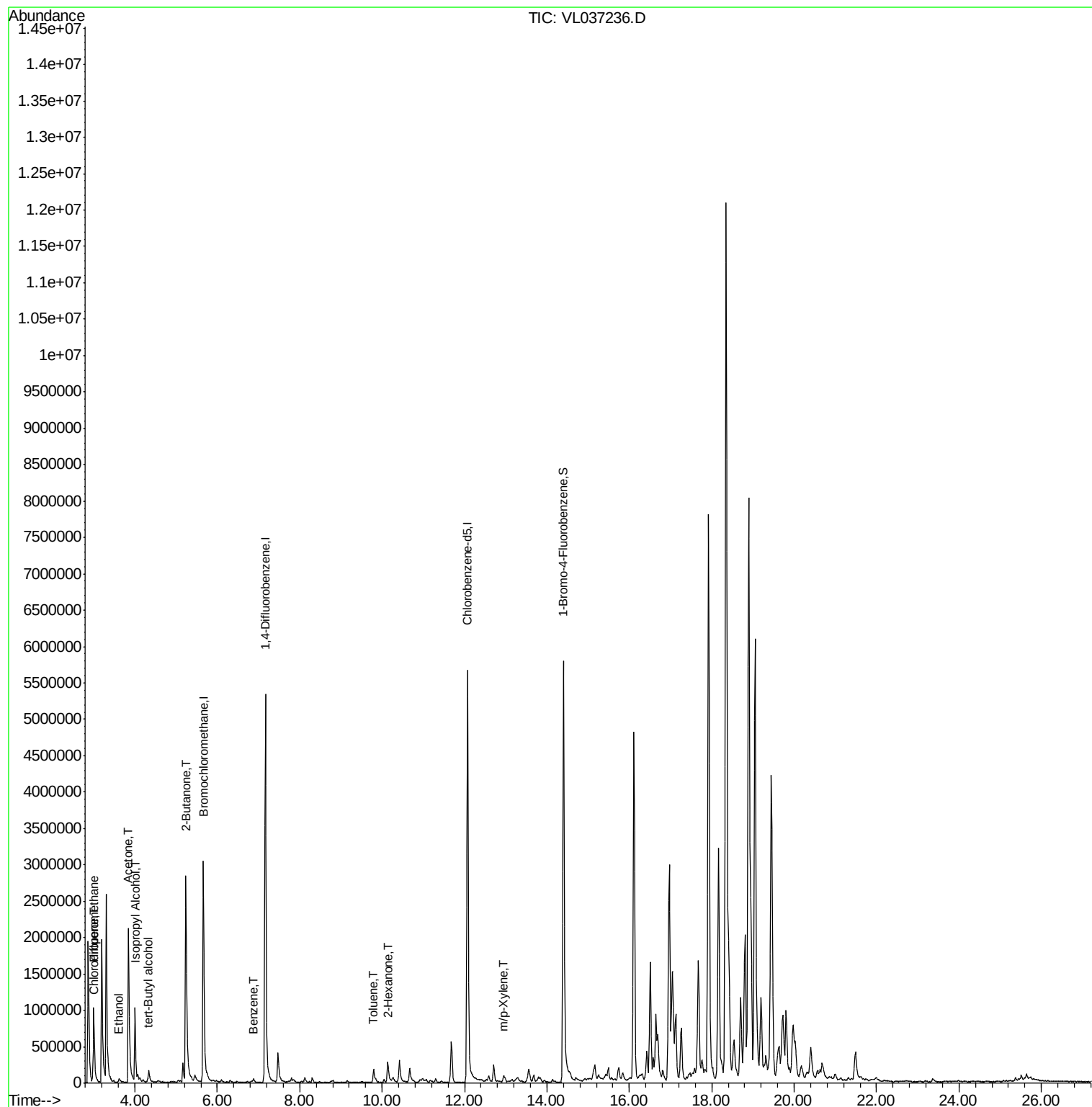
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062221\
Data File : VL037236.D
Acq On : 23 Jun 2021 6:48
Operator : SY/AP
Sample : M2797-03DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

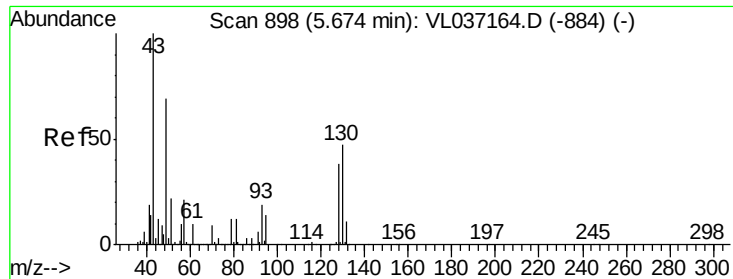
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

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Quant Time: Jun 24 09:51:55 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL037236.D

Acq: 23 Jun 2021 6:48

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tot Ion: 49 Resp: 1610374

Ion Ratio Lower Upper

49 100

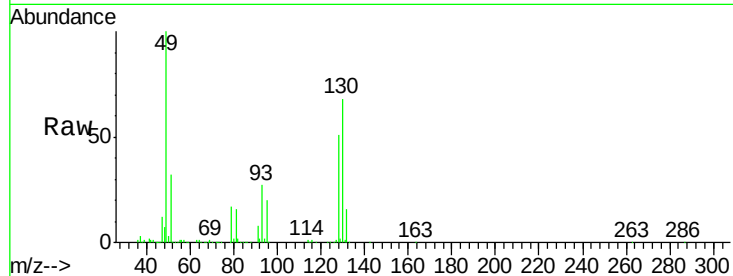
128 55.3 29.3 88.0

130 72.1 35.9 107.8

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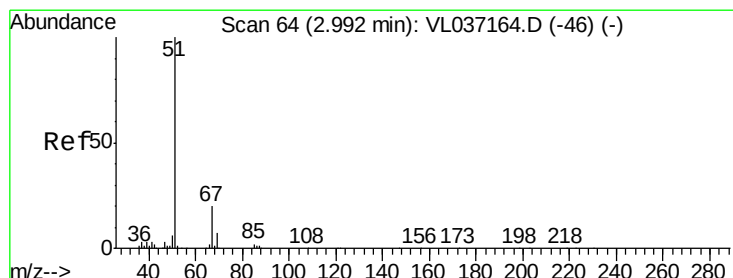
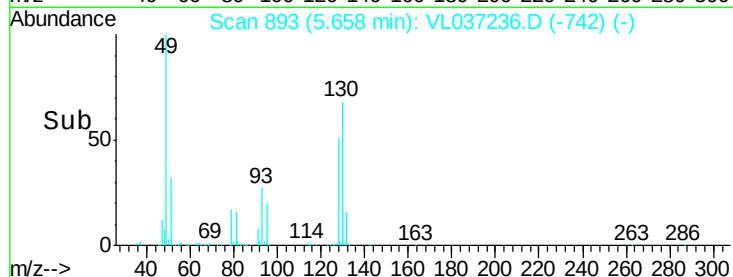
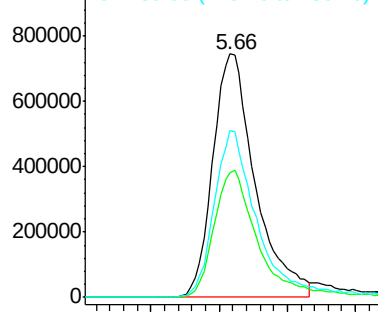
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.900 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037236.D

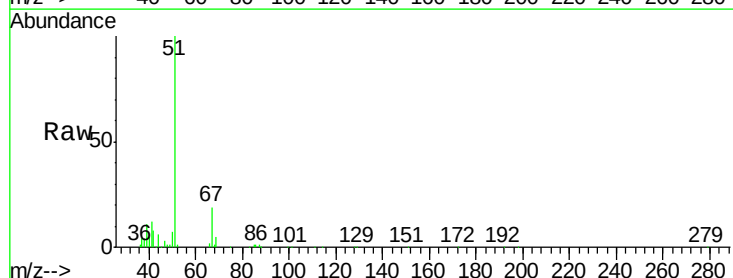
Acq: 23 Jun 2021 6:48

Tgt Ion: 51 Resp: 281693

Ion Ratio Lower Upper

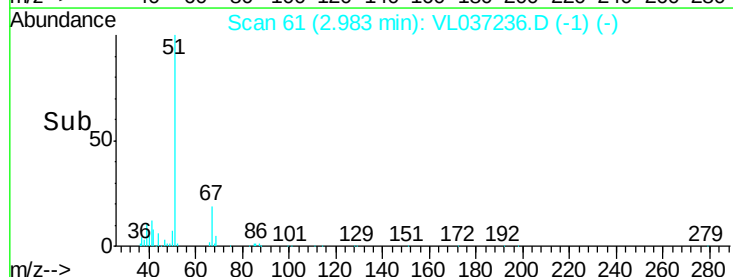
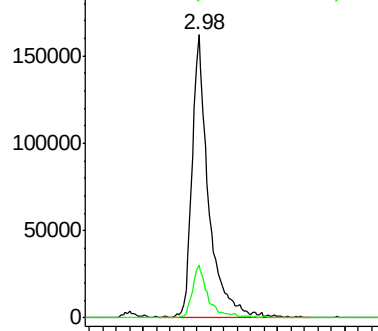
51 100

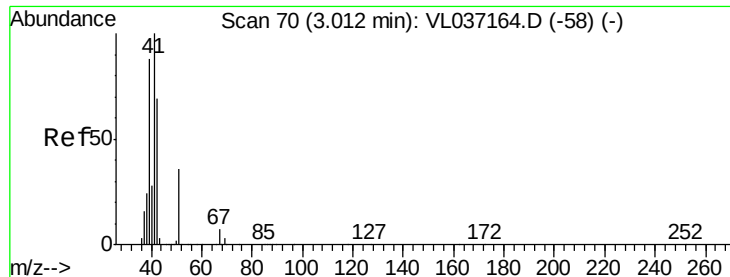
67 18.0 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 5.340 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL037236.D

Acq: 23 Jun 2021 6:48

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tot Ion: 41 Resp: 534654

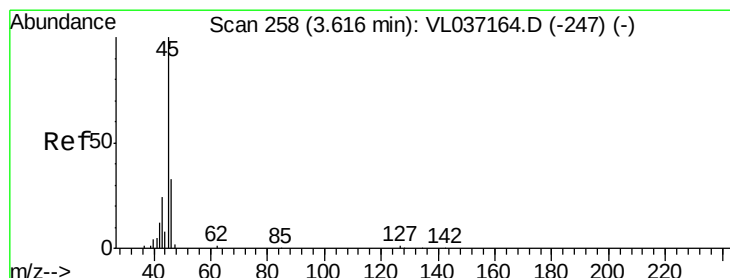
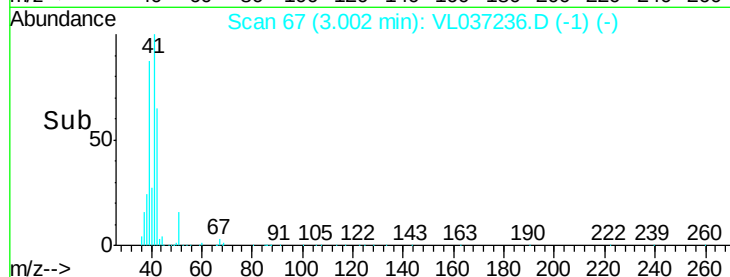
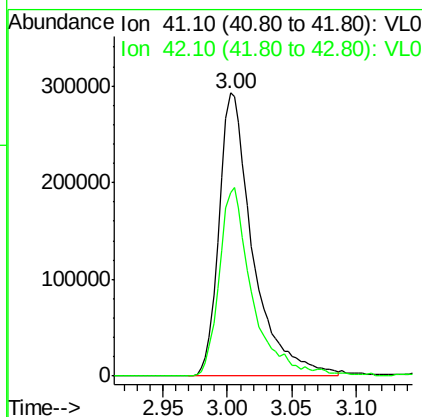
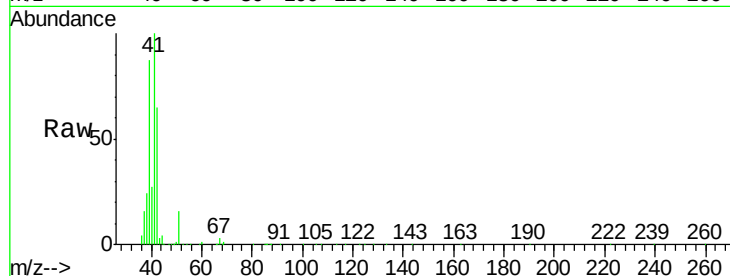
Ion Ratio Lower Upper

41 100

42 65.6 54.5 81.7

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#13

Ethanol

Concen: 5.186 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.00 min

Lab File: VL037236.D

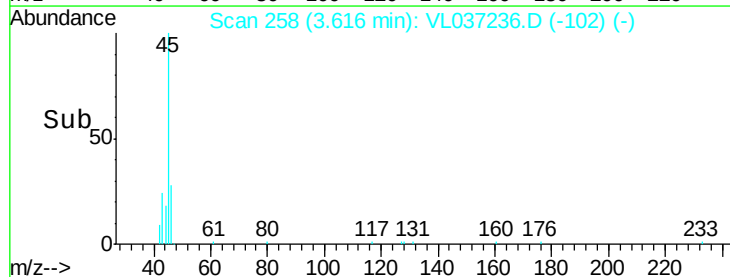
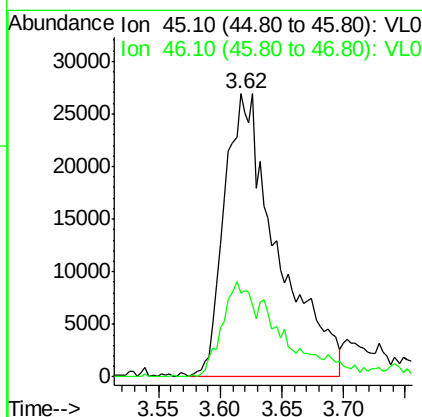
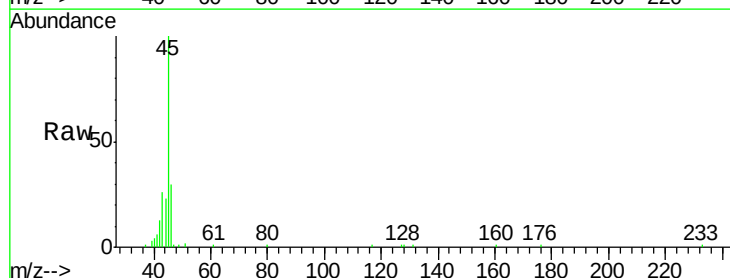
Acq: 23 Jun 2021 6:48

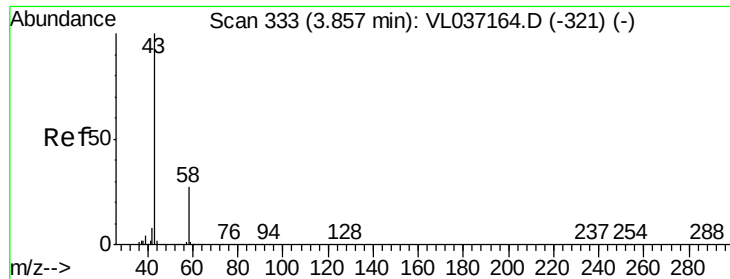
Tgt Ion: 45 Resp: 80320

Ion Ratio Lower Upper

45 100

46 39.7 34.2 137.0





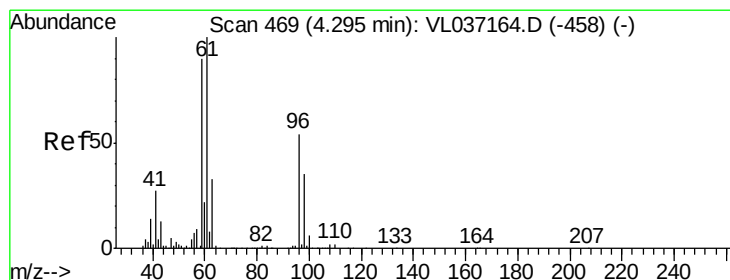
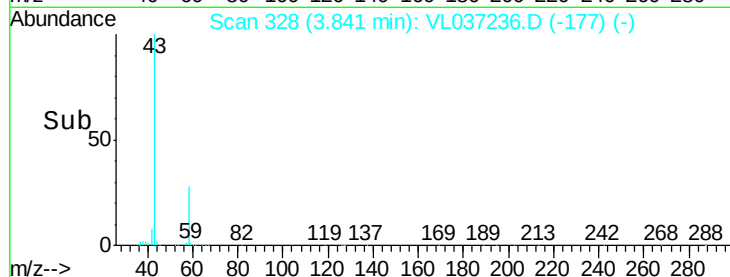
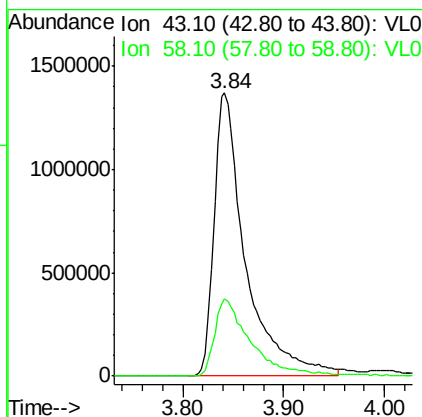
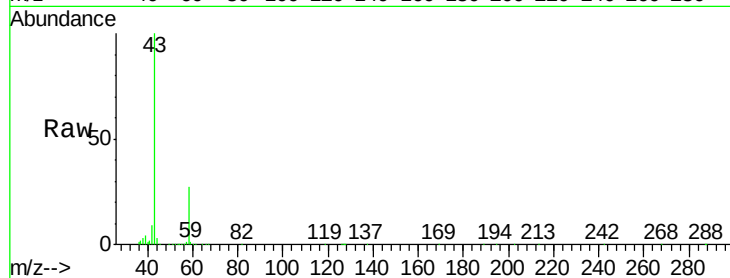
#15
Acetone
Concen: 16.361 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.02 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion: 43 Resp: 2971098
Ion Ratio Lower Upper
43 100
58 32.4 23.7 35.5

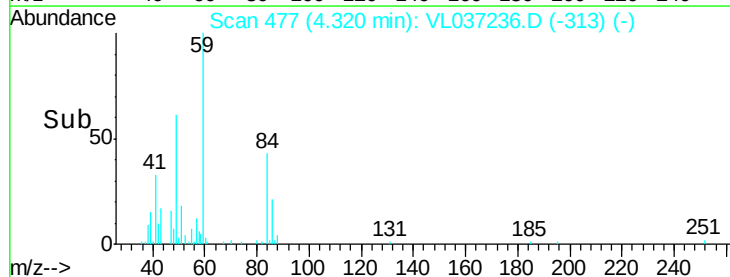
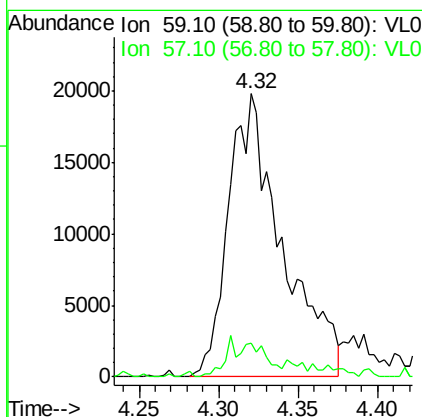
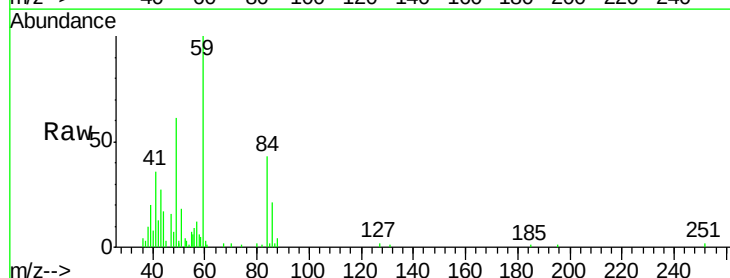
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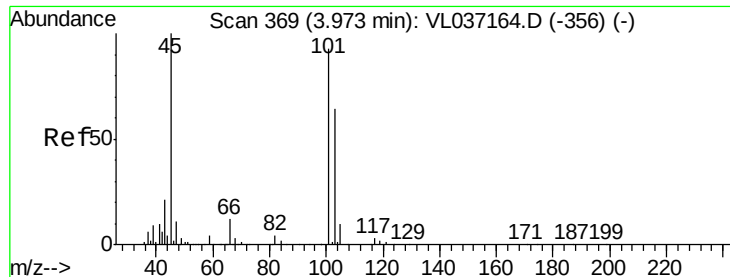
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#17
tert-Butyl alcohol
Concen: 0.275 ppbv m
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Tgt Ion: 59 Resp: 46217
Ion Ratio Lower Upper
59 100
57 13.4 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 0.158 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL037236.D

Acq: 23 Jun 2021 6:48

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tot Ion: 45 Resp: 17341

Ion Ratio Lower Upper

45 100

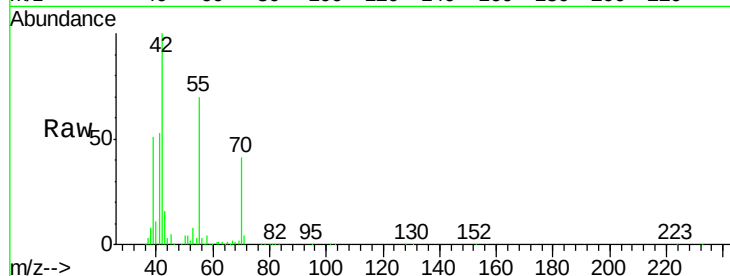
58 0.0 2.4 3.6#

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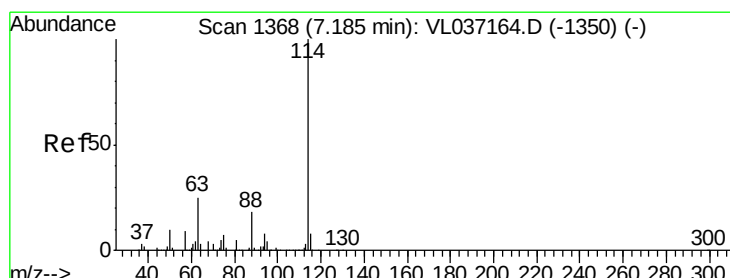
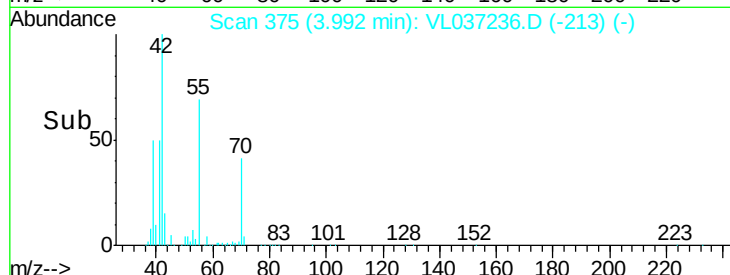
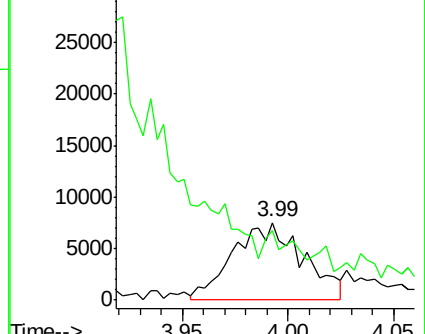
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.02 min

Lab File: VL037236.D

Acq: 23 Jun 2021 6:48

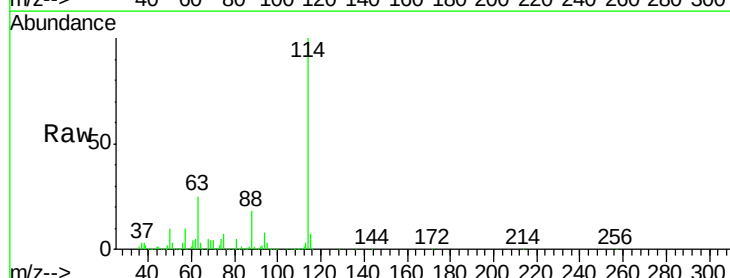
Tgt Ion: 114 Resp: 4730620

Ion Ratio Lower Upper

114 100

63 24.5 19.6 29.4

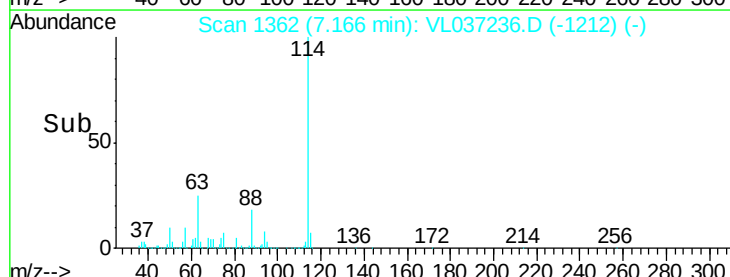
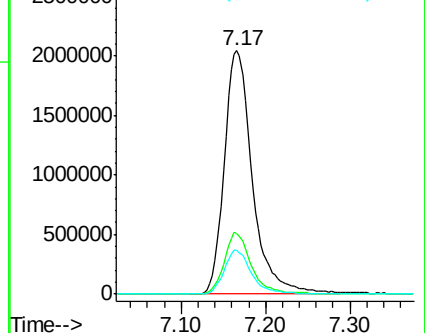
88 17.8 14.2 21.2

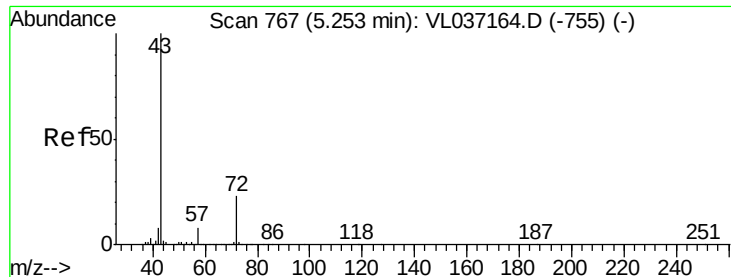


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





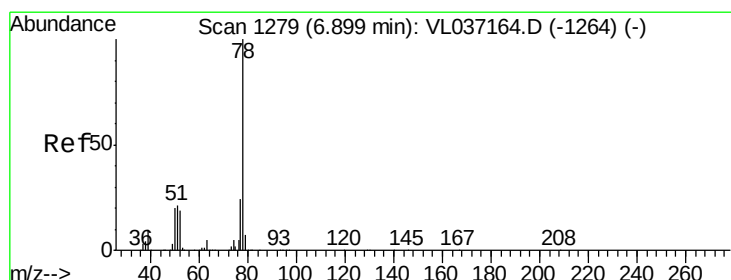
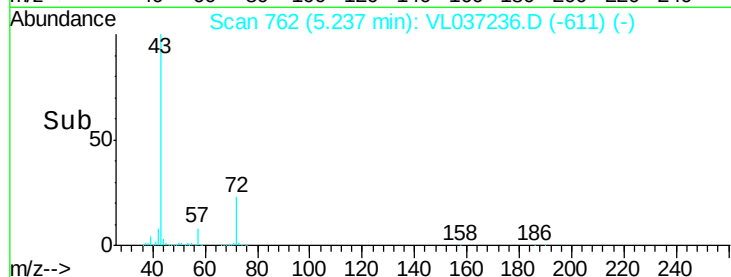
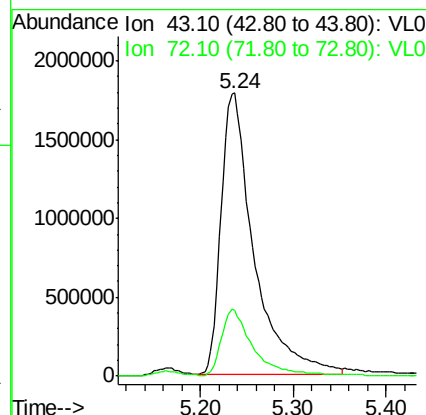
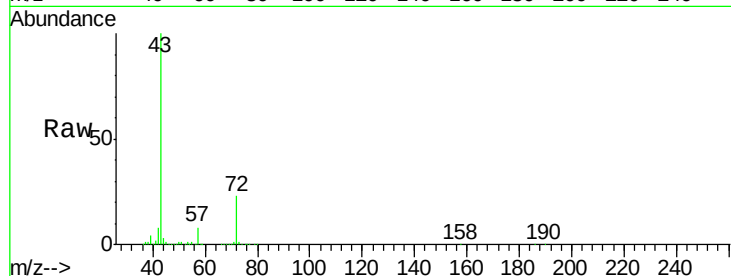
#34
2-Butanone
Concen: 23.900 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.02 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tot Ion: 43 Resp: 4397065
Ion Ratio Lower Upper
43 100
72 23.4 18.9 28.3

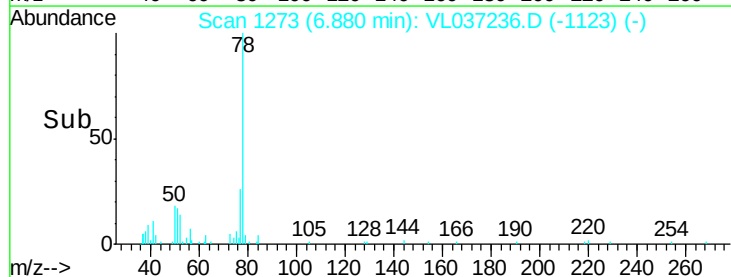
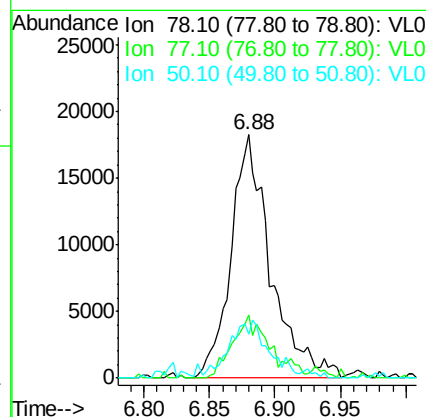
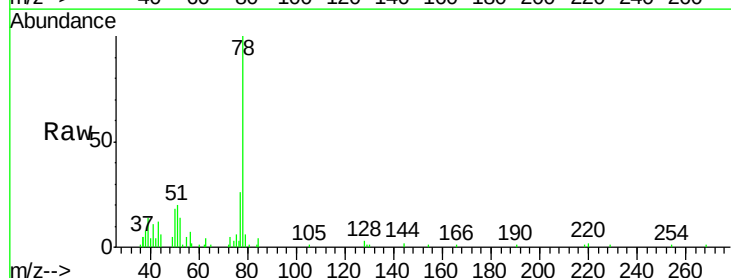
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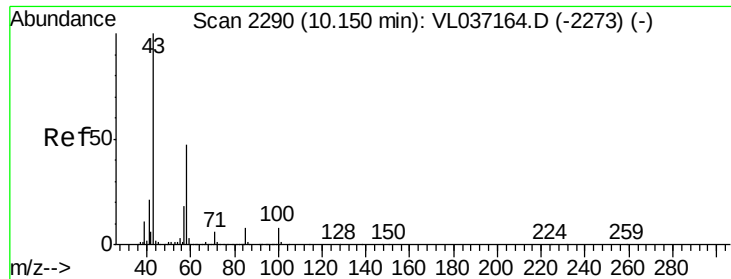
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#36
Benzene
Concen: 0.101 ppbv m
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Tgt Ion: 78 Resp: 38532
Ion Ratio Lower Upper
78 100
77 25.8 19.0 28.6
50 18.1 15.7 23.5





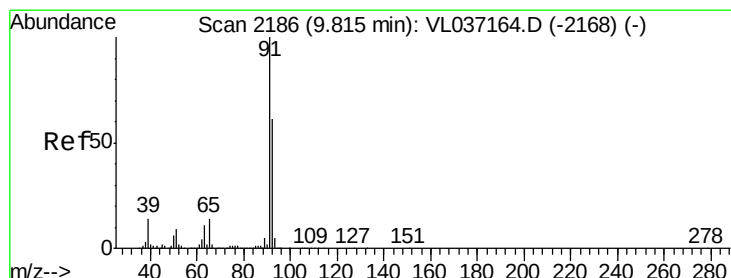
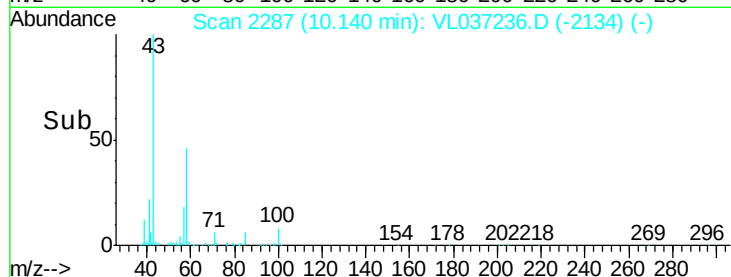
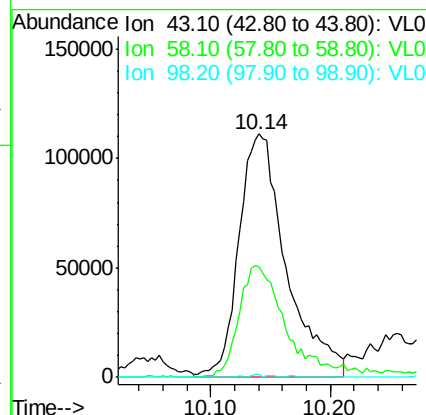
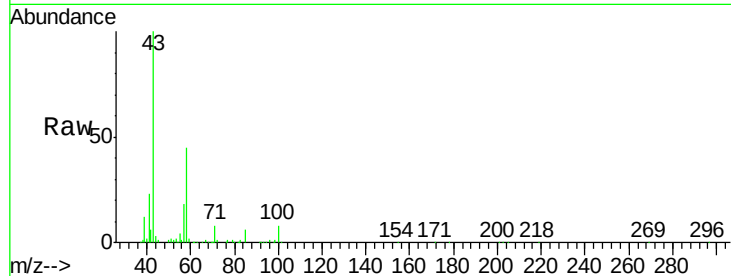
#51
2-Hexanone
Concen: 2.503 ppbv m
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	38.4	57.6
98	0.6	0.3	0.5#

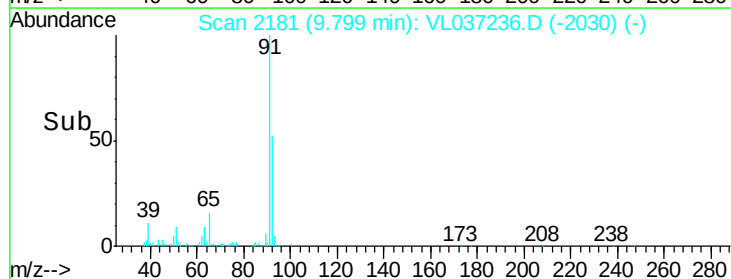
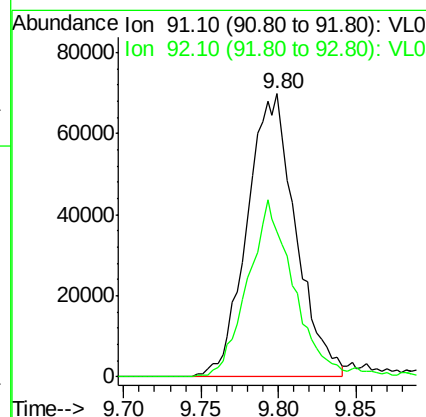
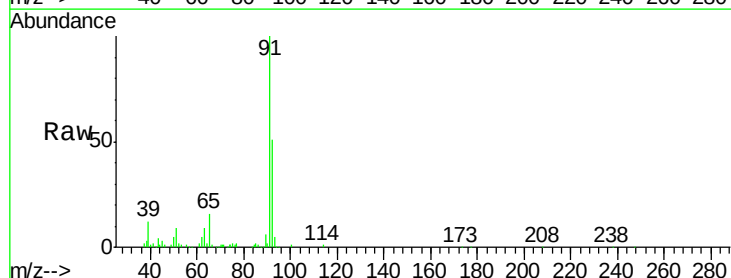
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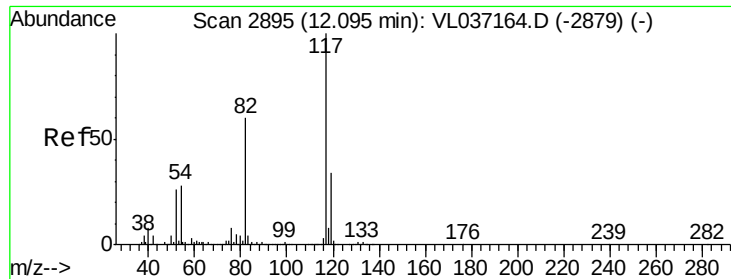
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#53
Toluene
Concen: 0.334 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.02 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.3	72.5





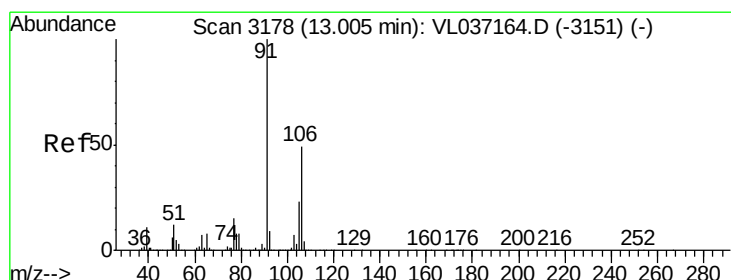
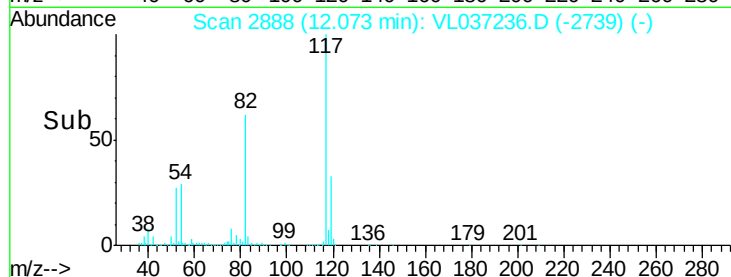
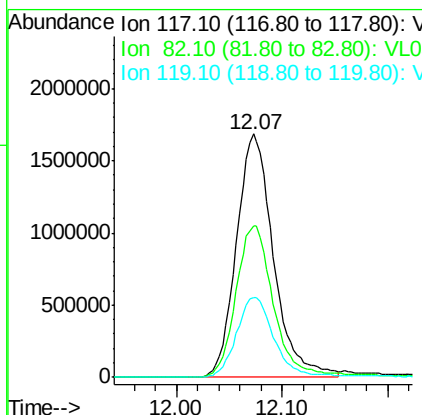
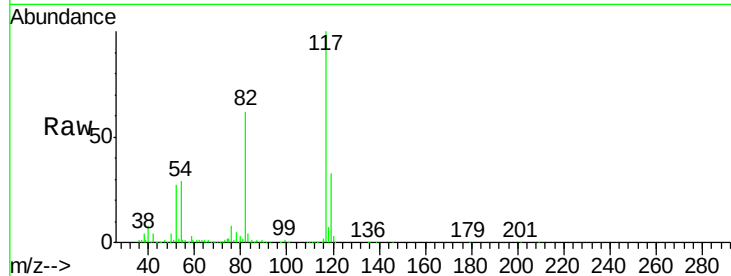
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Instrument :
MSVOA_L
ClientSampled :
SV3DL

Tot Ion:117 Resp: 4116010
Ion Ratio Lower Upper
117 100
82 64.8 51.7 77.5
119 34.4 47.6 71.4#

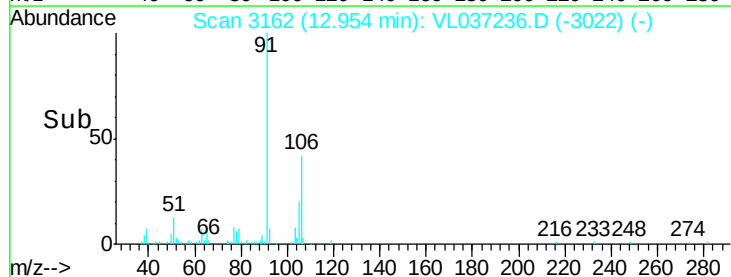
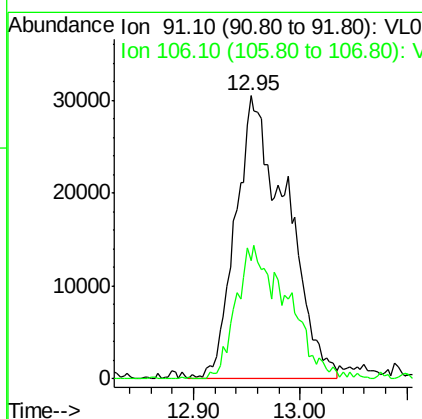
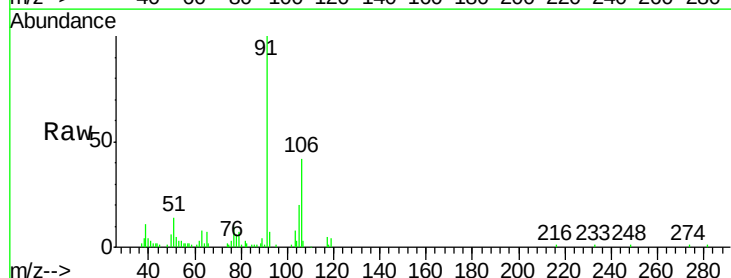
Manual Integrations
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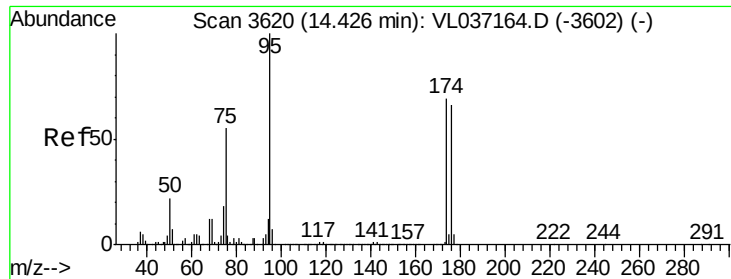
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#59
m/p-Xylene
Concen: 0.210 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.05 min
Lab File: VL037236.D
Acq: 23 Jun 2021 6:48

Tgt Ion: 91 Resp: 100918
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.499 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL037236.D

Acq: 23 Jun 2021 6:48

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tot Ion: 95 Resp: 2962627

Ion Ratio Lower Upper

95 100

174 77.2 57.0 85.4

175 5.7 4.4 6.6

Manual Integrations

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