

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037110.D
 Acq On : 2 Jun 2021 20:30
 Operator : SY/AP
 Sample : M2548-12DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-1ADL

Manual Integrations
 APPROVED

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 6/7/2021 3:01:09 PM

Quant Time: Jun 06 20:14:58 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	1364165	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4019287	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3532225	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2735844	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	33513m	0.145	ppbv	
4) Chloromethane	3.13	50	9510	0.112	ppbv #	86
9) Propene	3.00	41	75118m	0.839	ppbv	
13) Ethanol	3.60	45	420012	35.176	ppbv	95
15) Acetone	3.84	43	1078341	7.717	ppbv	99
19) Isopropyl Alcohol	3.97	45	80531m	1.072	ppbv	
20) Methylene Chloride	4.33	84	178739	2.386	ppbv	98
26) Hexane	5.67	57	123283	0.719	ppbv #	43
29) Chloroform	5.74	83	23581m	0.097	ppbv	
34) 2-Butanone	5.24	43	72330m	0.494	ppbv	
36) Benzene	6.88	78	39457m	0.114	ppbv	
58) Ethyl Benzene	12.69	91	58415	0.117	ppbv	99
59) m/p-Xylene	12.95	91	362751m	0.880	ppbv	
60) o-Xylene	13.67	91	192634	0.490	ppbv	97

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

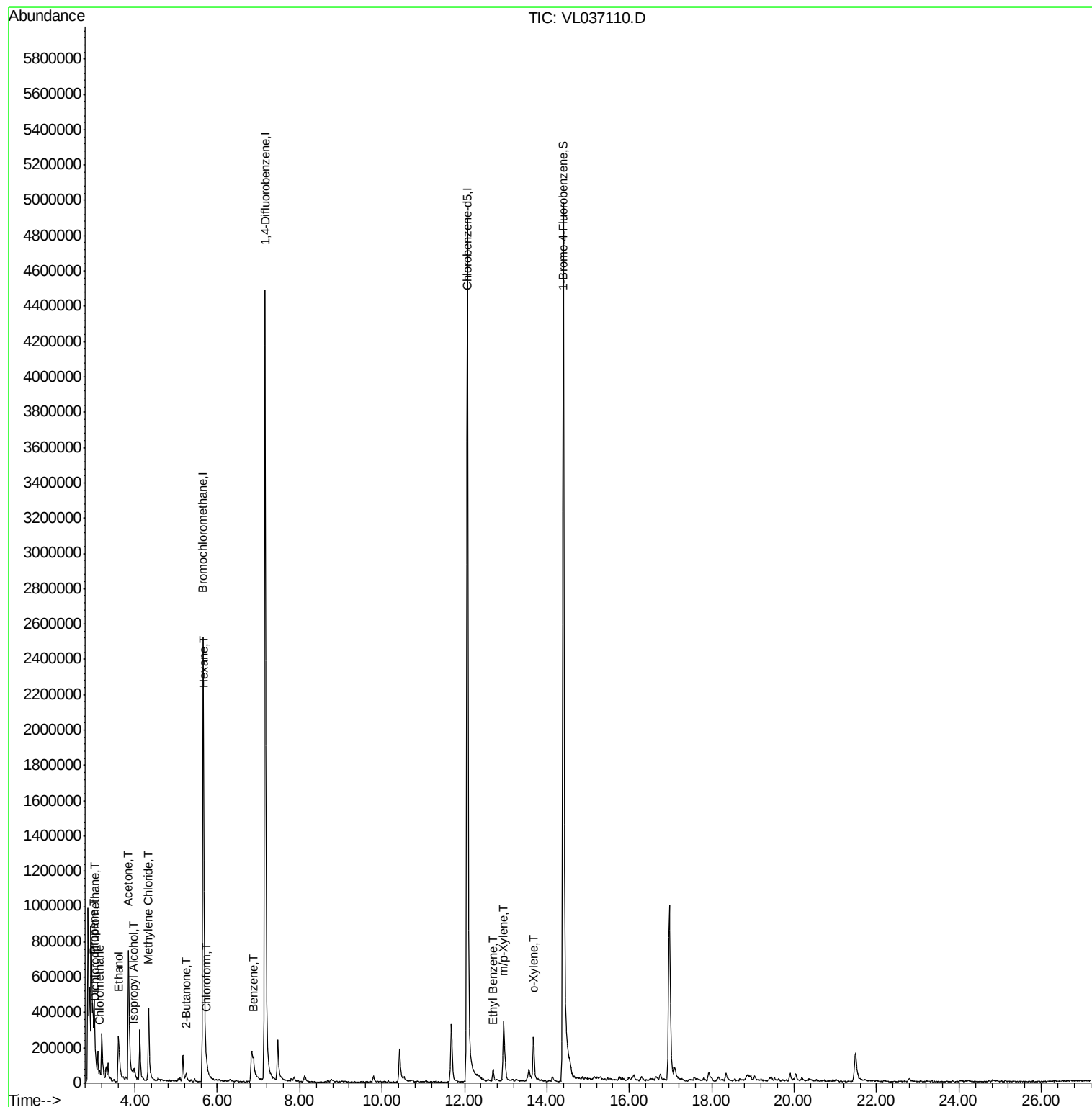
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060221\
Data File : VL037110.D
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Misc : 400mL/MSVOA L
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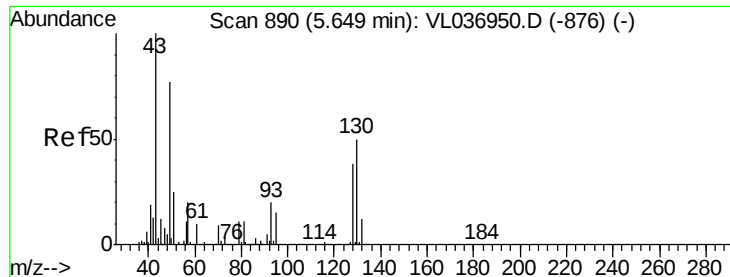
Instrument :
MSVOA_L
ClientSampleId :
SGS-1ADL

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Quant Time: Jun 06 20:14:58 2021
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# 892

Delta R.T. 0.01 min

Lab File: VL037110.D

Acq: 2 Jun 2021 20:30

Instrument :

MSVOA_L

ClientSampleId :

SGS-1ADL

Tot Ion: 49 Resp: 1364165

Ion Ratio Lower Upper

49 100

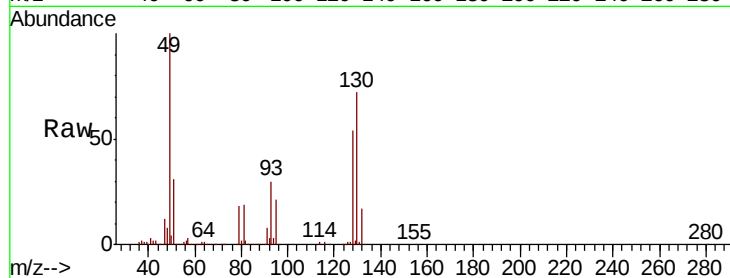
128 57.1 26.9 80.7

130 73.1 33.8 101.4

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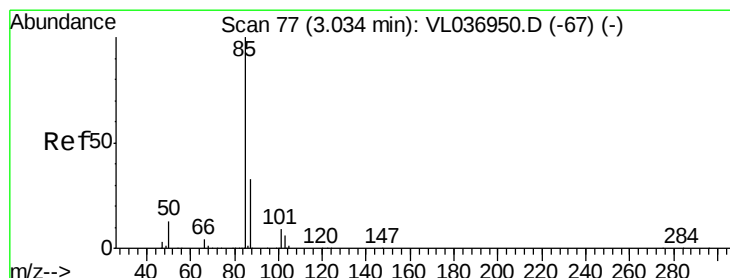
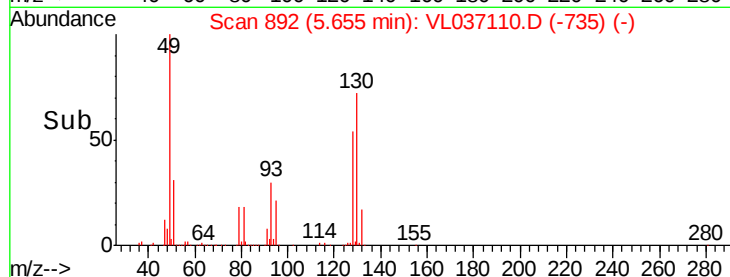
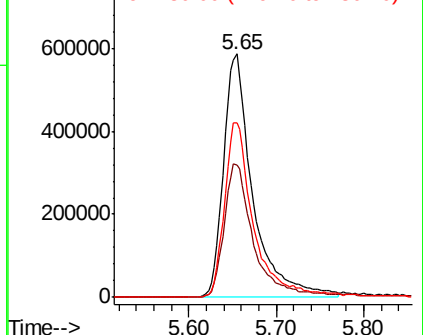
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.145 ppbv m

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL037110.D

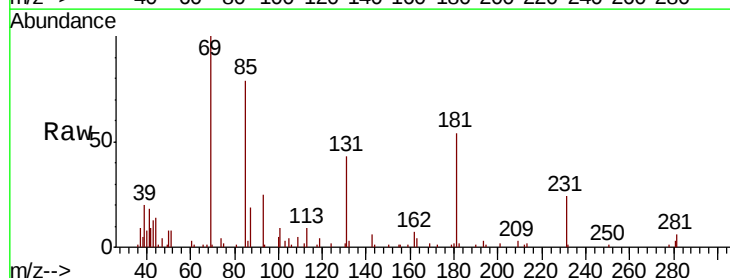
Acq: 2 Jun 2021 20:30

Tgt Ion: 85 Resp: 33513

Ion Ratio Lower Upper

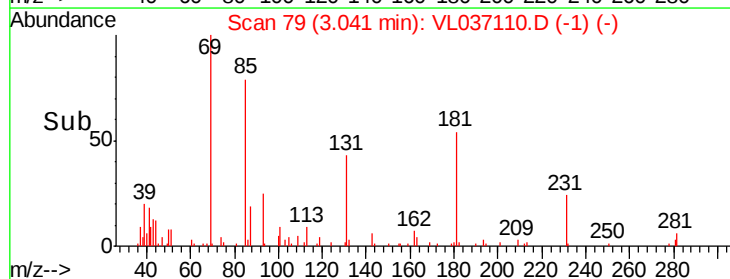
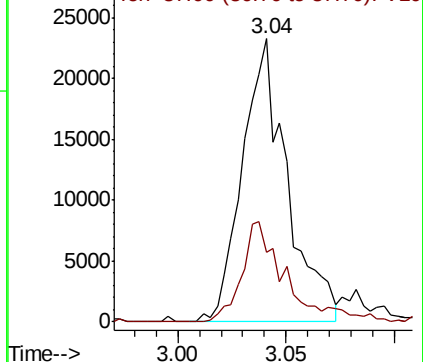
85 100

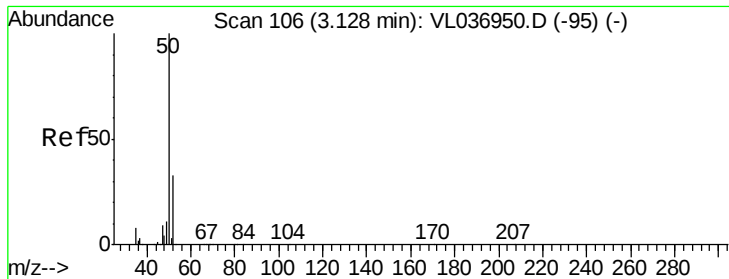
87 24.5 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.112 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL037110.D

Acq: 2 Jun 2021 20:30

Instrument :

MSVOA_L

ClientSampled :

SGS-1ADL

Tot Ion: 50 Resp: 9510

Ion Ratio Lower Upper

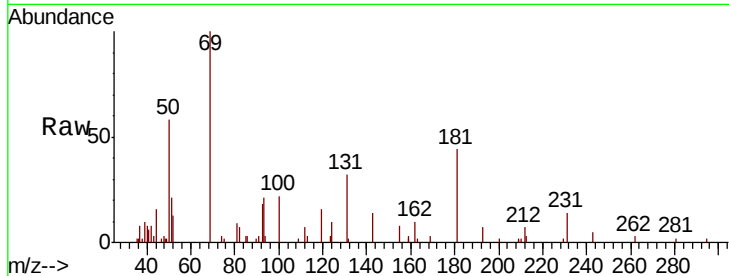
50 100

52 24.5 26.1 39.1#

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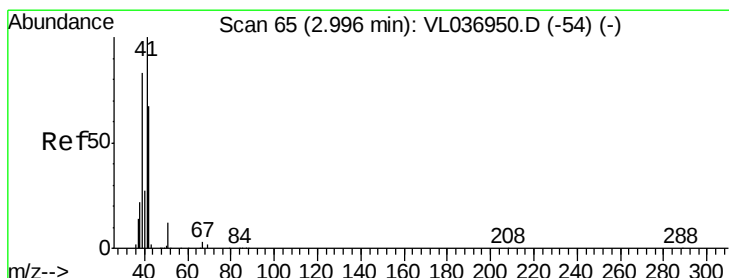
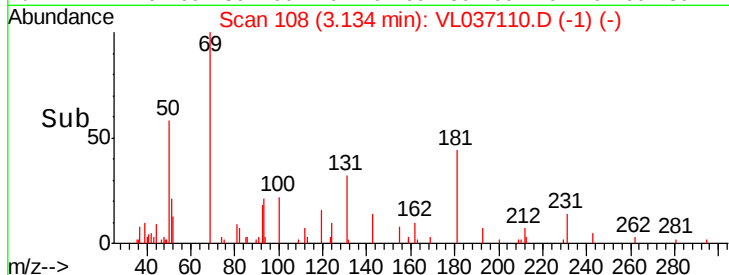
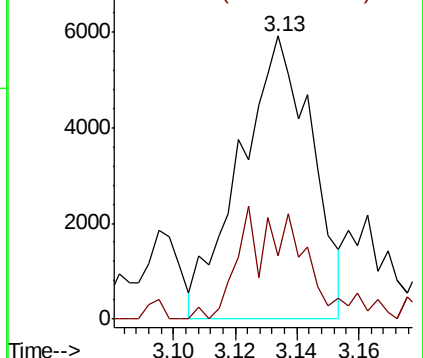
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.839 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL037110.D

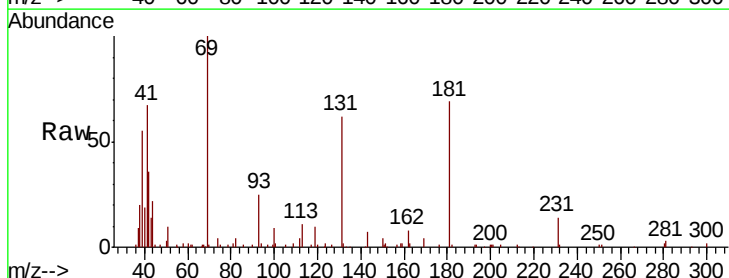
Acq: 2 Jun 2021 20:30

Tgt Ion: 41 Resp: 75118

Ion Ratio Lower Upper

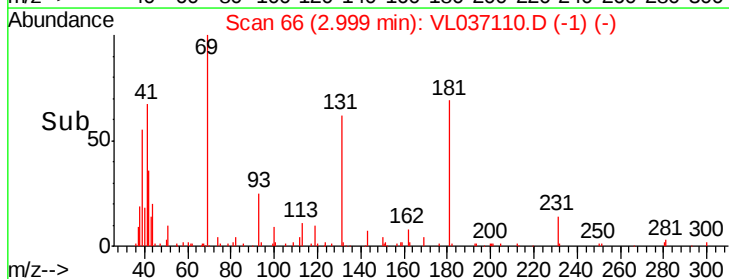
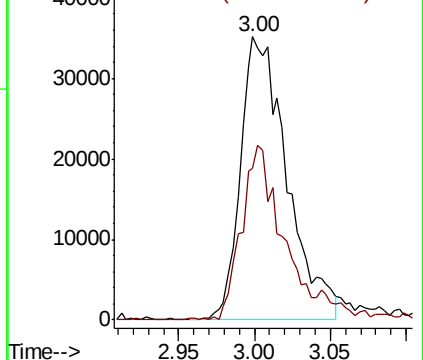
41 100

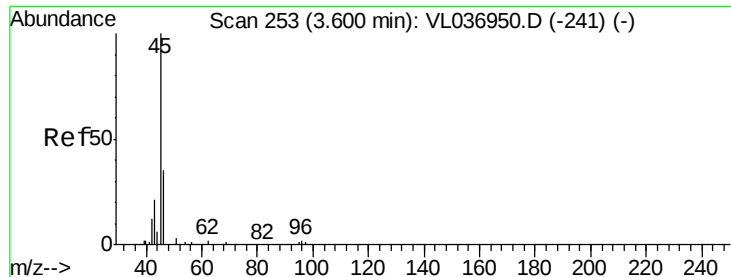
42 58.9 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





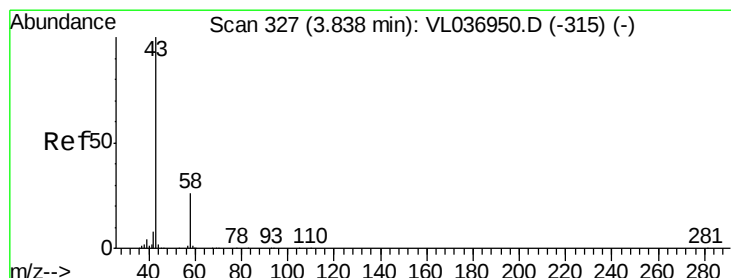
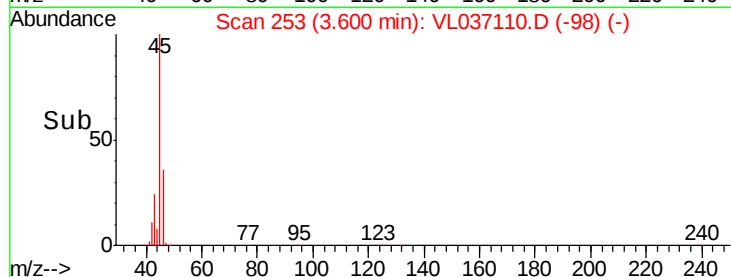
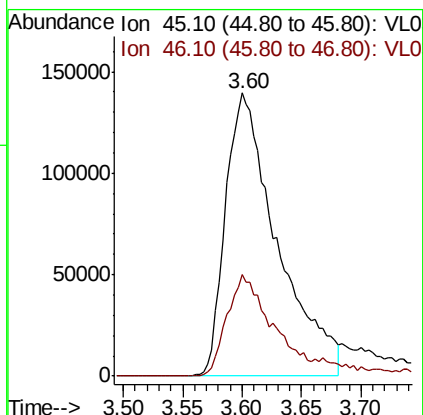
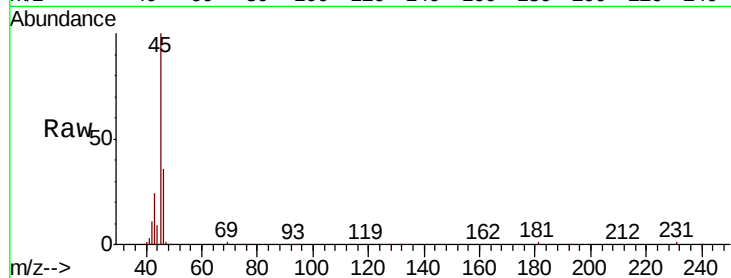
#13
Ethanol
Concen: 35.176 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleId :
SGS-1ADL

Tot Ion	45	Resp	420012
Ion Ratio	100	Lower	Upper
45	100		
46	37.7	16.3	65.3

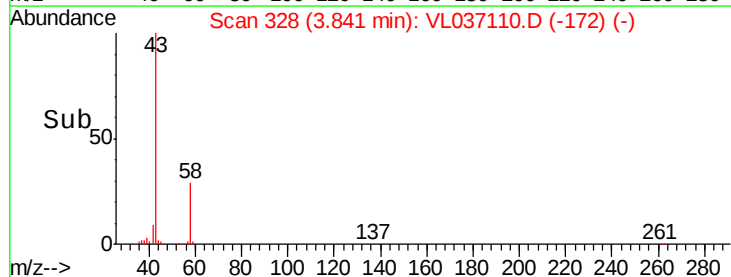
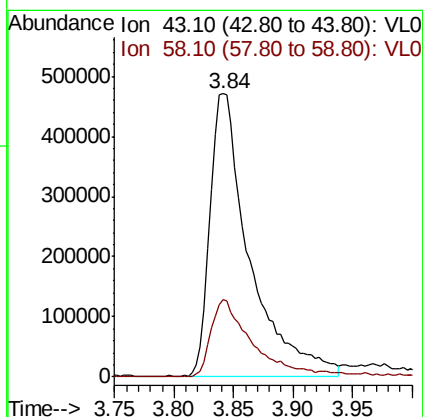
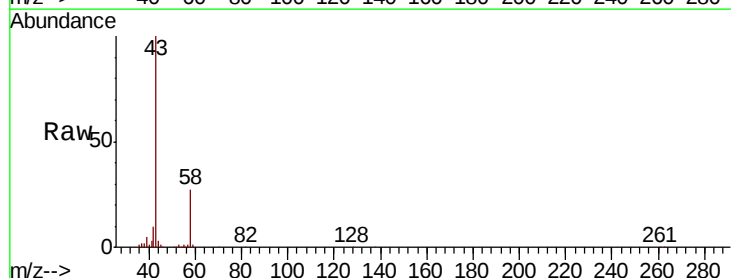
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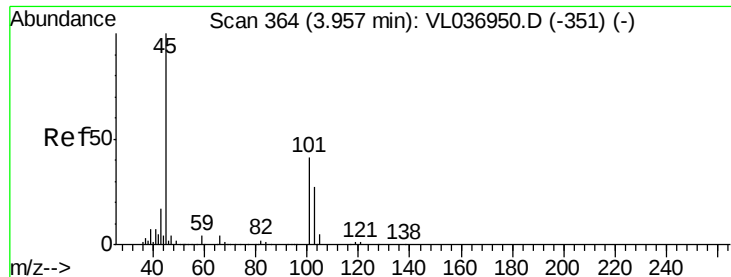
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#15
Acetone
Concen: 7.717 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.00 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Tgt Ion	43	Resp	1078341
Ion Ratio	100	Lower	Upper
43	100		
58	29.4	24.0	36.0





#19

Isopropyl Alcohol

Concen: 1.072 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL037110.D

Acq: 2 Jun 2021 20:30

Instrument :

MSVOA_L

ClientSampleId :

SGS-1ADL

Tot Ion: 45 Resp: 80531

Ion Ratio Lower Upper

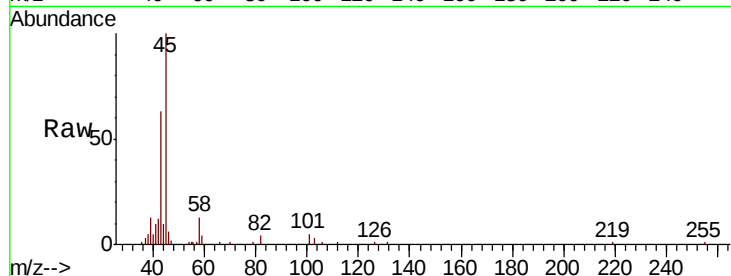
45 100

58 416.4 37.2 55.8#

Manual Integrations
APPROVED

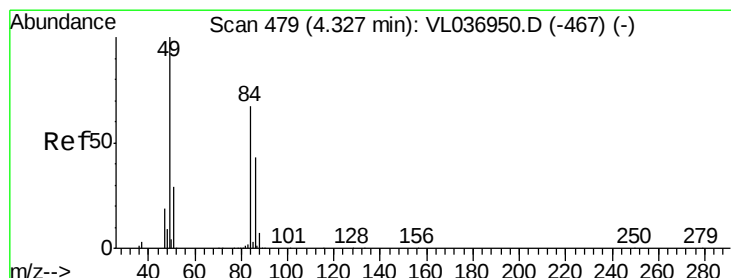
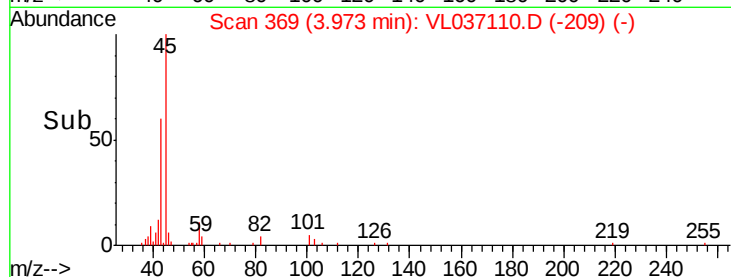
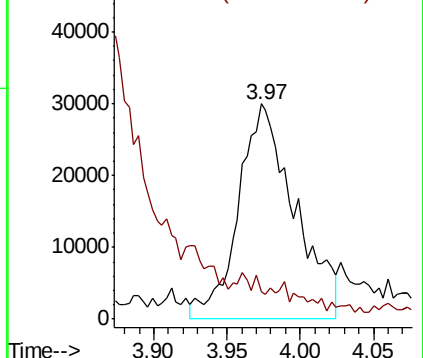
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.386 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL037110.D

Acq: 2 Jun 2021 20:30

Tgt Ion: 84 Resp: 178739

Ion Ratio Lower Upper

84 100

49 149.8 119.8 179.6

51 44.3 35.1 52.7

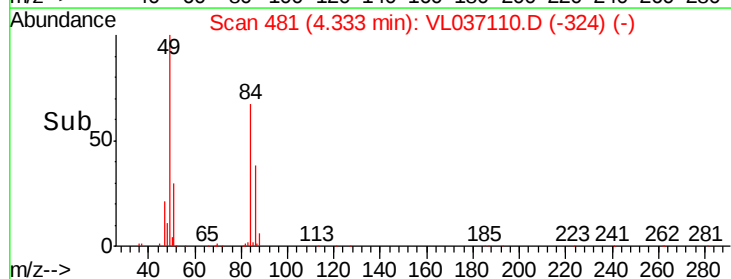
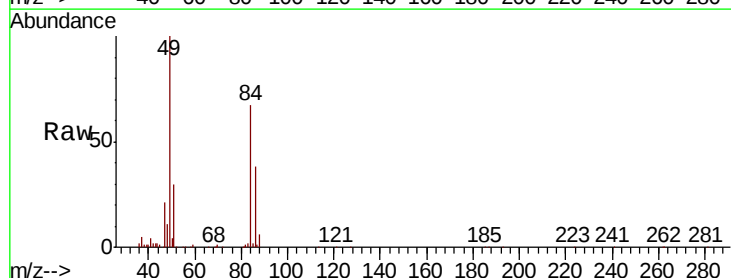
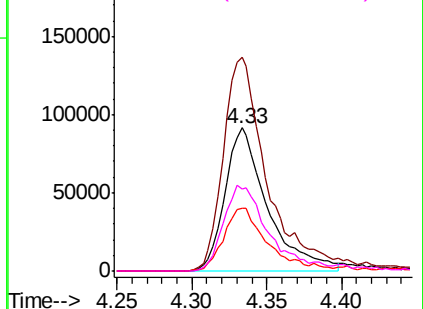
86 57.5 50.9 76.3

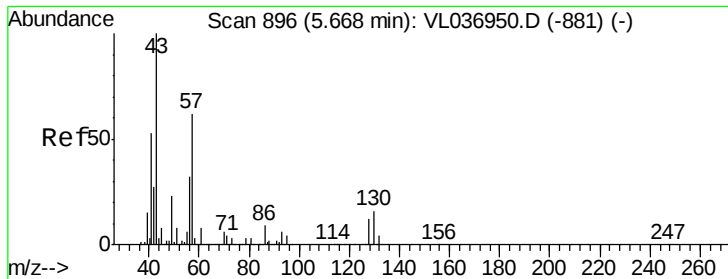
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





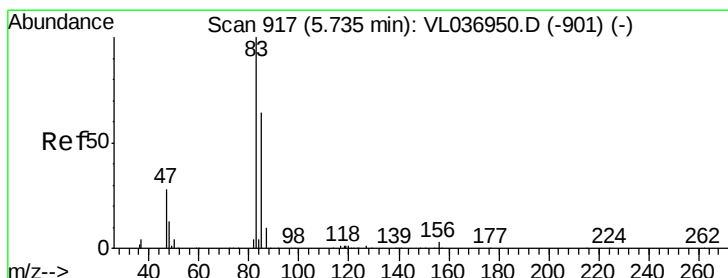
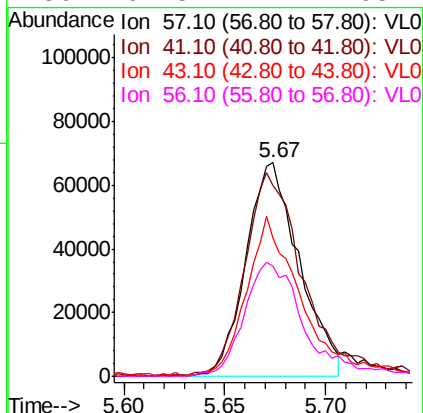
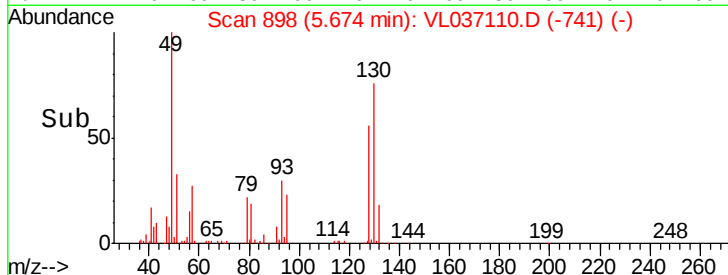
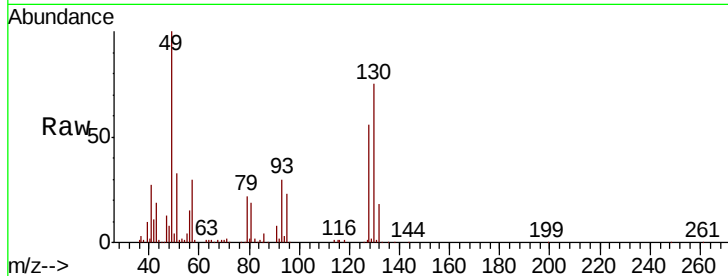
#26
Hexane
Concen: 0.719 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleId :
SGS-1ADL

Tot Ion	Ratio	Lower	Upper
57	100		
41	108.1	70.5	105.7#
43	78.6	165.8	248.8#
56	62.5	42.2	63.4

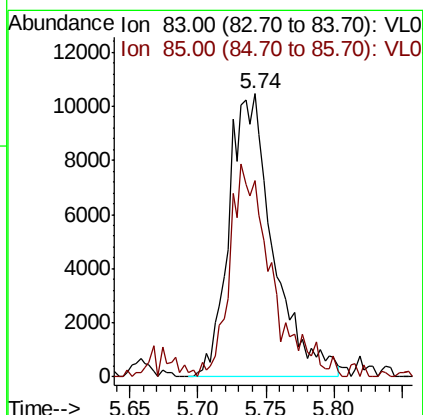
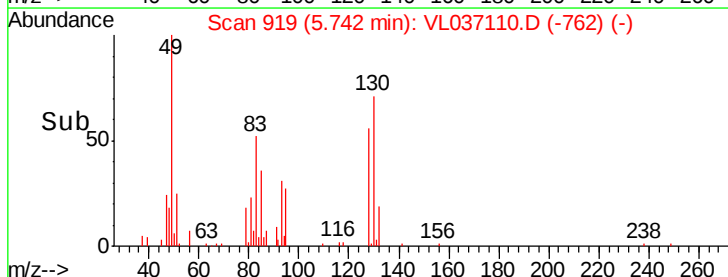
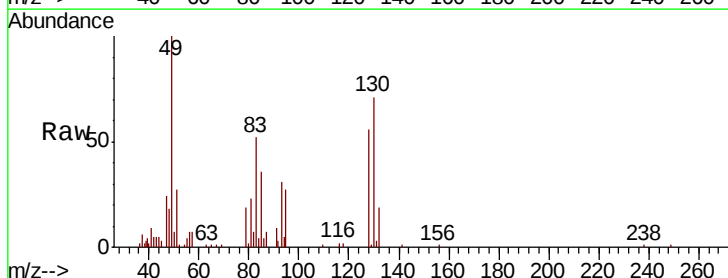
Manual Integrations
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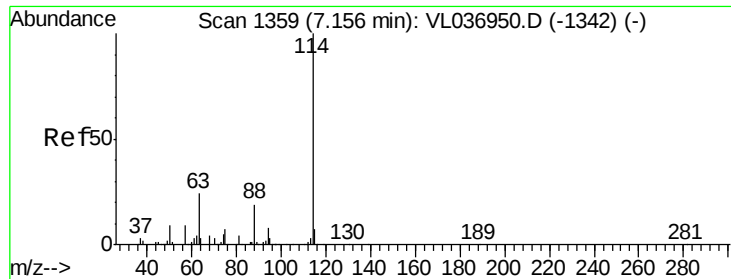
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#29
Chloroform
Concen: 0.097 ppbv m
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.1	76.7





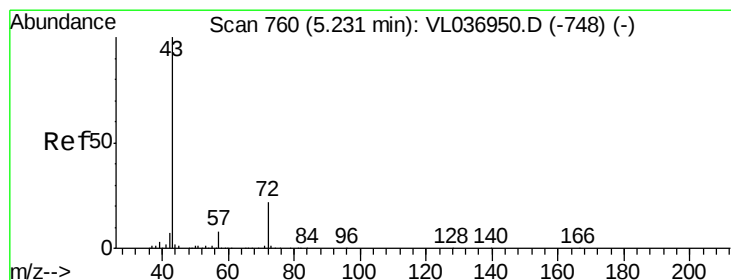
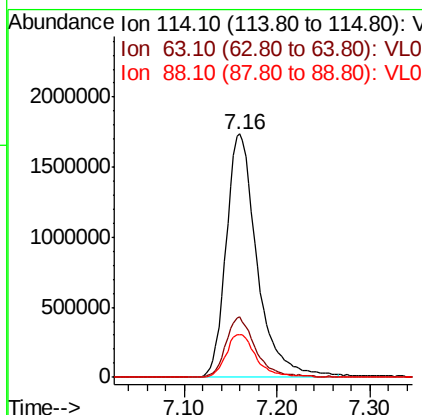
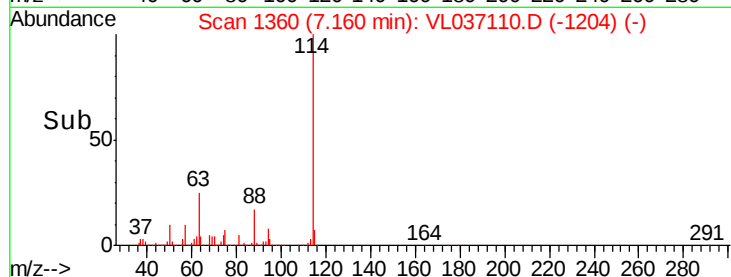
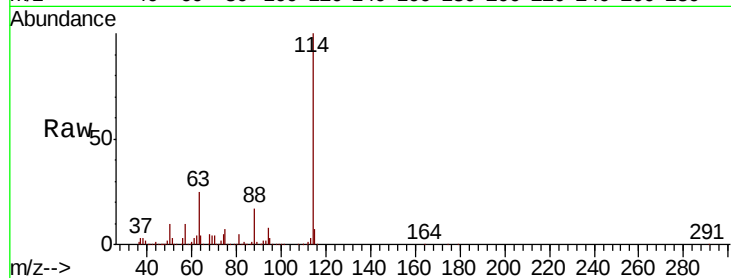
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037110.D
 Acq: 2 Jun 2021 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-1ADL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	17.7	14.6	21.8

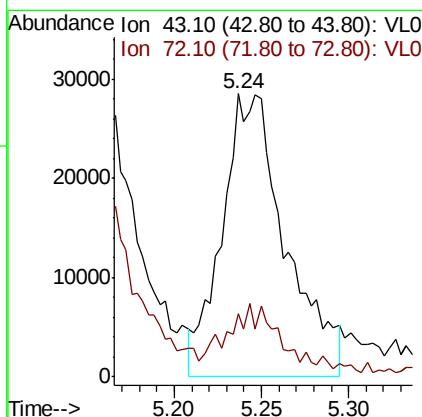
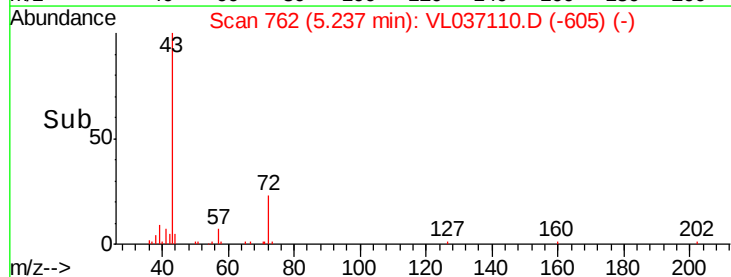
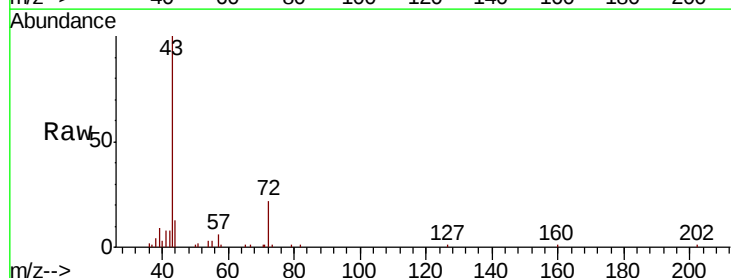
Manual Integrations
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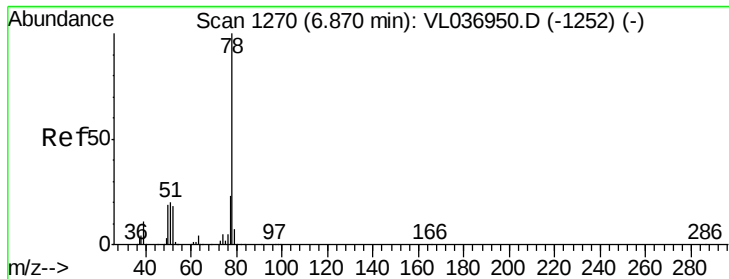
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#34
 2-Butanone
 Concen: 0.494 ppbv m
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL037110.D
 Acq: 2 Jun 2021 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#





#36

Benzene

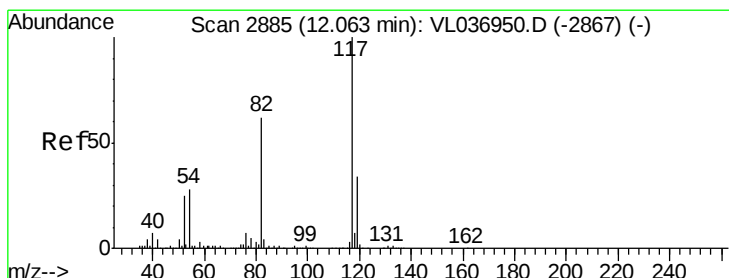
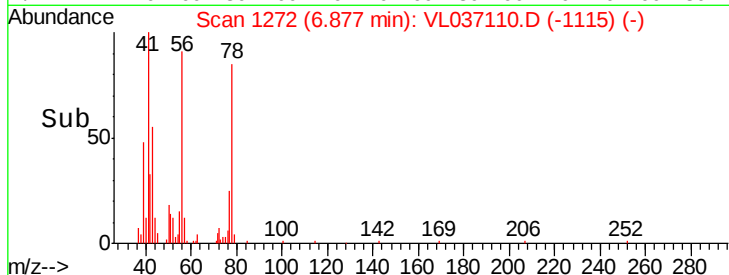
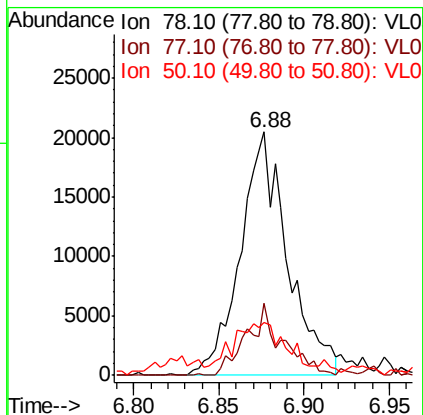
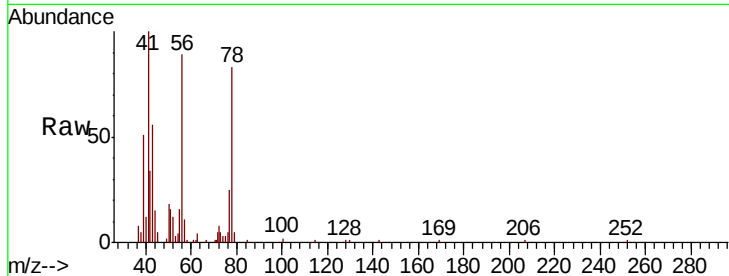
Concen: 0.114 ppbv m
RT: 6.88 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampled :
SGS-1ADL

Tot Ion	Ratio	Lower	Upper
78	100		
77	29.4	18.6	28.0#
50	21.8	15.0	22.4

Manual Integrations
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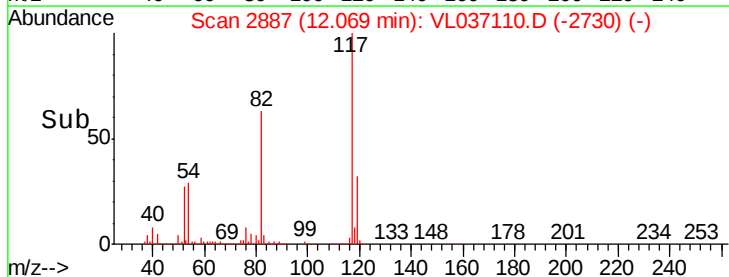
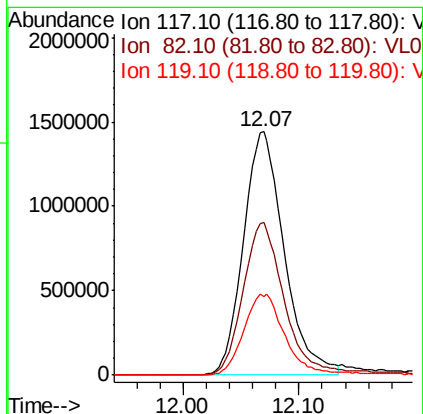
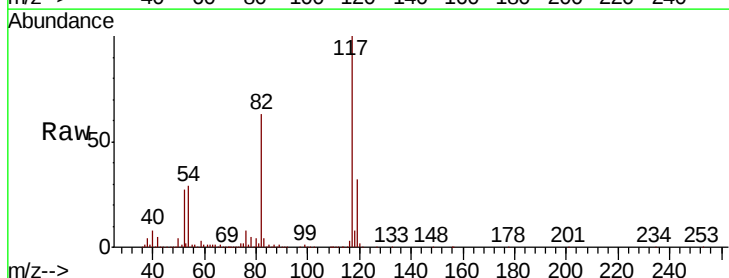


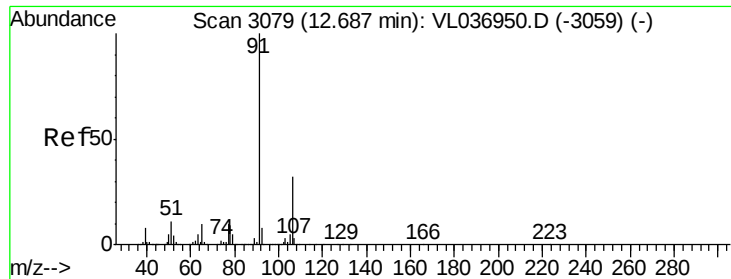
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.1	52.6	79.0
119	35.0	46.6	70.0#





#58

Ethyl Benzene

Concen: 0.117 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL037110.D

Acq: 2 Jun 2021 20:30

Instrument :

MSVOA_L

ClientSampleId :

SGS-1ADL

Tot Ion: 91 Resp: 58415

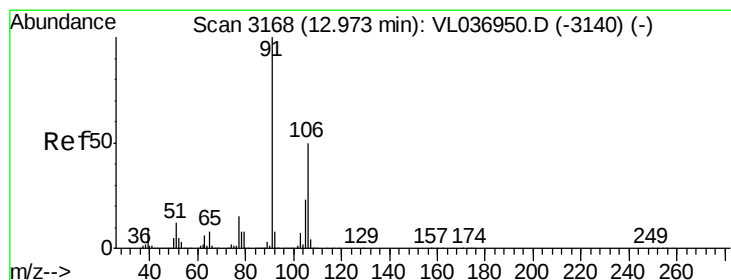
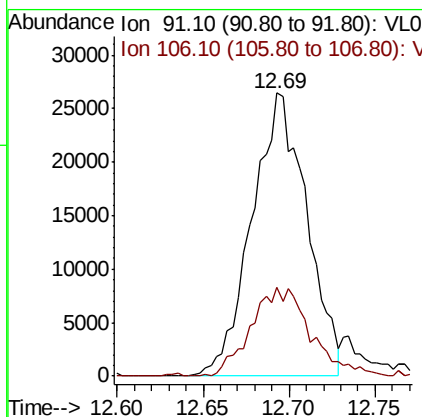
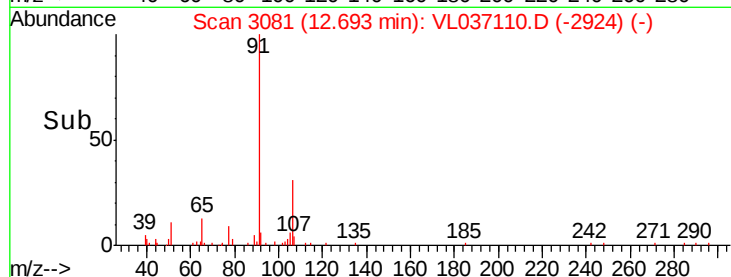
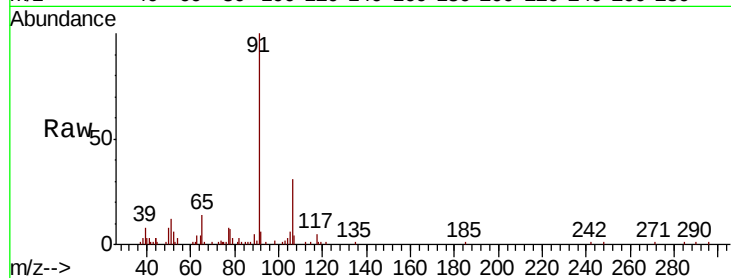
Ion Ratio Lower Upper

91 100

106 31.3 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
6/7/2021 3:01:09 PM



#59

m/p-Xylene

Concen: 0.880 ppbv m

RT: 12.95 min Scan# 3161

Delta R.T. -0.02 min

Lab File: VL037110.D

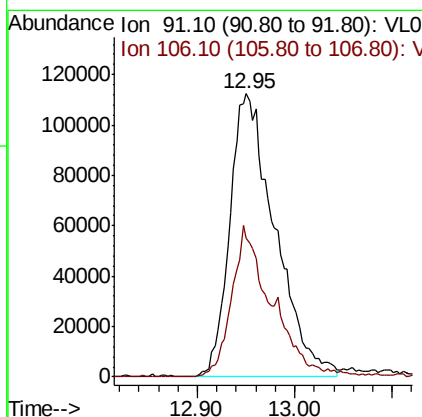
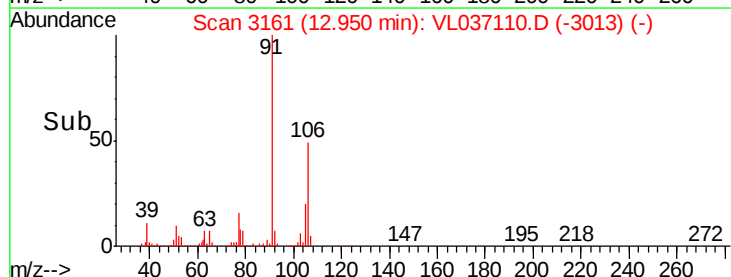
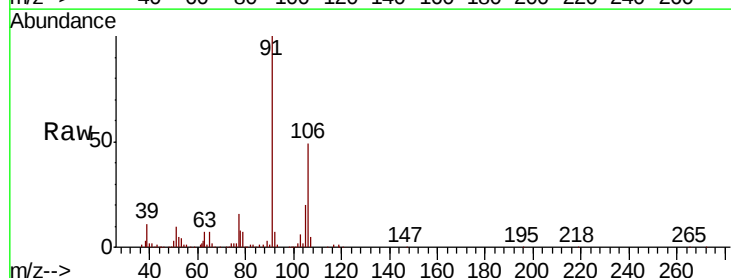
Acq: 2 Jun 2021 20:30

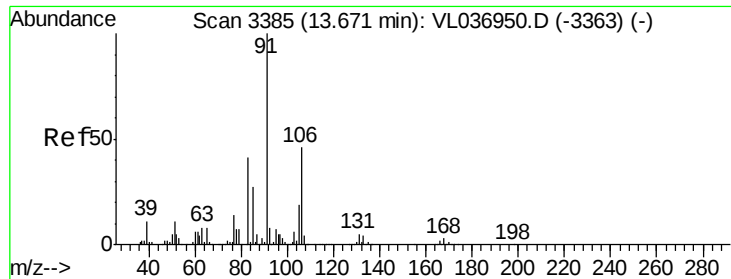
Tgt Ion: 91 Resp: 362751

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#





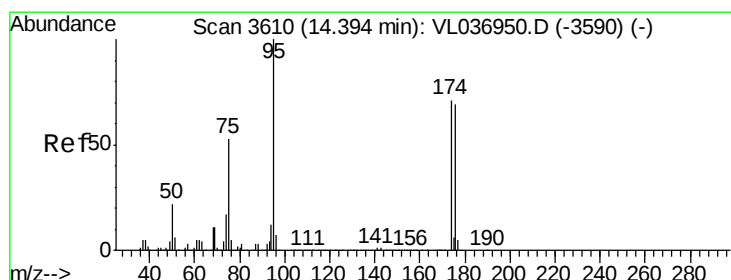
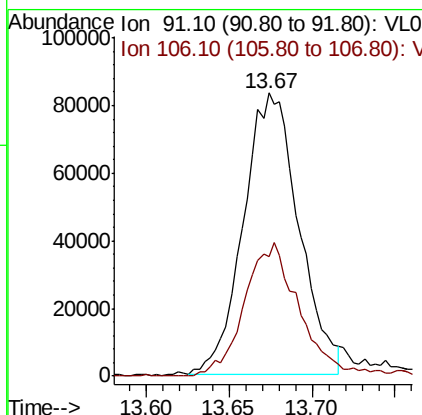
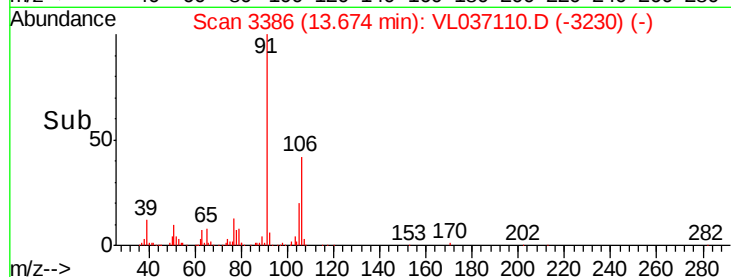
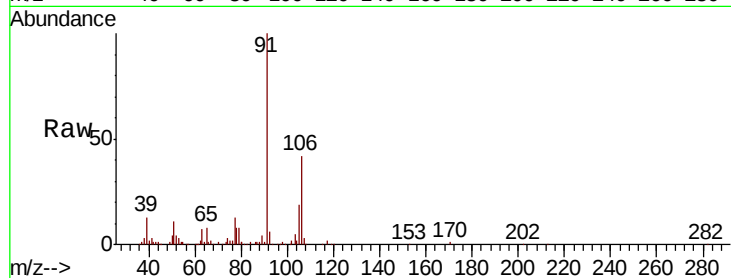
#60
o-Xylene
Concen: 0.490 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Instrument :
MSVOA_L
ClientSampleID :
SGS-1ADL

Tot Ion: 91 Resp: 192634
Ion Ratio Lower Upper
91 100
106 48.8 23.4 70.3

Manual Integrations
APPROVED

MMDadoda
6/7/2021 3:01:09 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.310 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037110.D
Acq: 2 Jun 2021 20:30

Tgt Ion: 95 Resp: 2735844
Ion Ratio Lower Upper
95 100
174 73.1 58.4 87.6
175 5.4 4.4 6.6

