

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036336.D
 Acq On : 11 Feb 2021 3:14
 Operator : SY/AP
 Sample : M1343-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-7B

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:48 PM

Quant Time: Feb 11 21:09:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 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	1581298	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3433980	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3094346	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2454328	9.64	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	68475	0.290	ppbv	97
3) Chlorodifluoromethane	2.98	51	60717m	0.309	ppbv	
4) Chloromethane	3.14	50	44744	0.471	ppbv #	84
9) Propene	3.01	41	111425m	1.521	ppbv	
11) Trichlorofluoromethane	3.94	101	52336m	0.226	ppbv	
13) Ethanol	3.60	45	522421m	37.969	ppbv	
15) Acetone	3.85	43	196629m	1.017	ppbv	
19) Isopropyl Alcohol	3.96	45	236079m	2.205	ppbv	
20) Methylene Chloride	4.33	84	98985m	1.587	ppbv	
26) Hexane	5.67	57	130236	0.849	ppbv #	39
34) 2-Butanone	5.24	43	44795m	0.196	ppbv	
35) Carbon Tetrachloride	7.01	117	14005m	0.061	ppbv	
36) Benzene	6.87	78	126329	0.433	ppbv	97
44) 2,2,4-Trimethylpentane	7.85	57	98917	0.186	ppbv #	73
53) Toluene	9.79	91	220571	0.698	ppbv	97
59) m/p-Xylene	12.95	91	95922m	0.258	ppbv	
60) o-Xylene	13.67	91	38931m	0.109	ppbv	

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

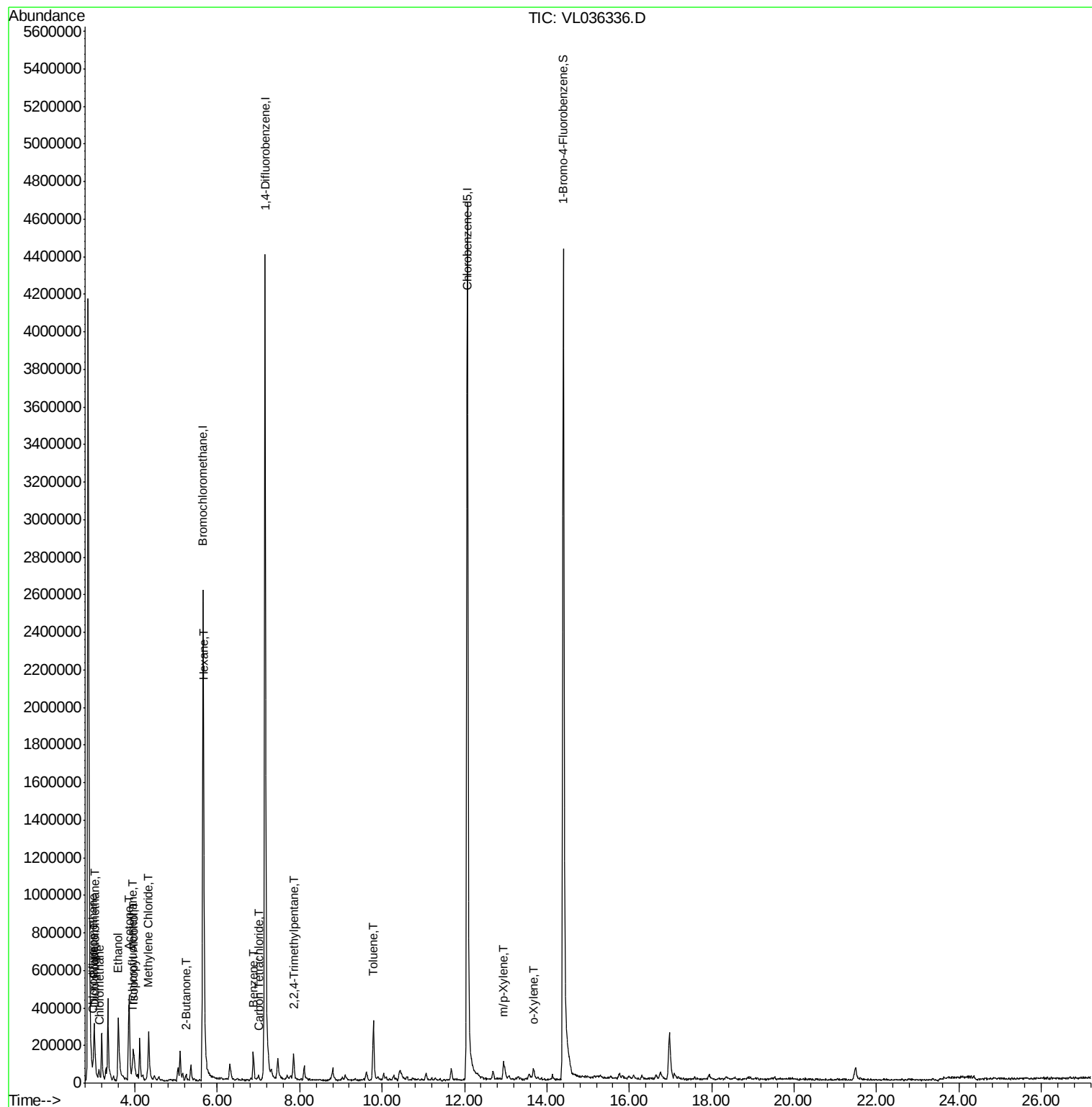
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
Data File : VL036336.D
Acq On : 11 Feb 2021 3:14
Operator : SY/AP
Sample : M1343-06
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

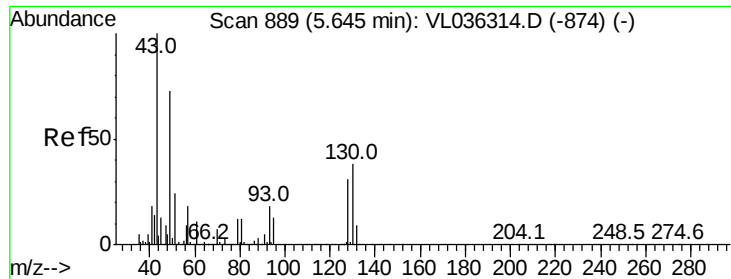
Instrument :
MSVOA_L
ClientSampleId :
SR-7B

Manual Integrations
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Quant Time: Feb 11 21:09:53 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

SR-7B

Tot Ion: 49 Resp: 1581298

Ion Ratio Lower Upper

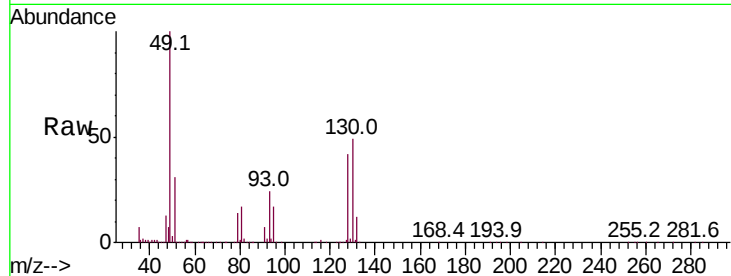
49 100

128 41.6 20.8 62.5

130 53.4 26.7 80.1

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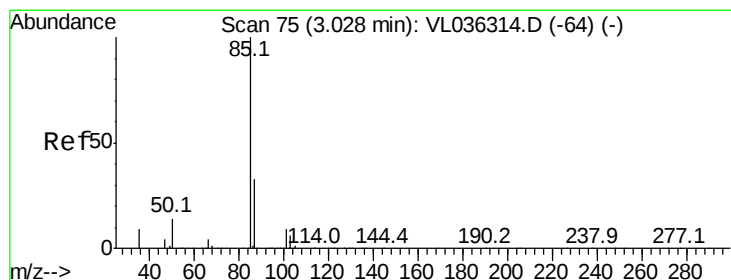
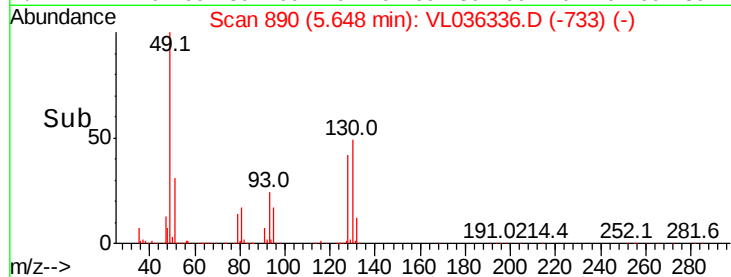
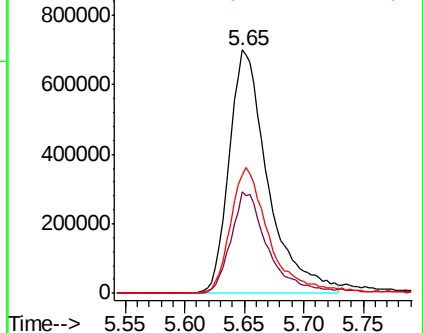
MMDadoda
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.290 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL036336.D

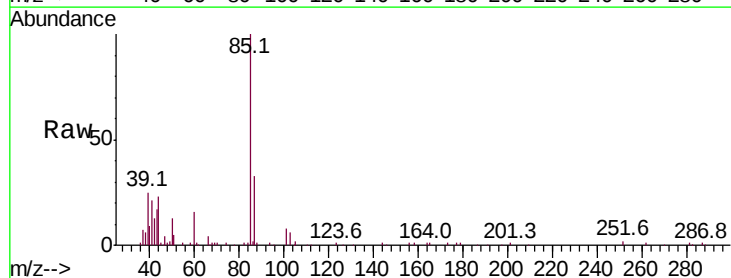
Acq: 11 Feb 2021 3:14

Tgt Ion: 85 Resp: 68475

Ion Ratio Lower Upper

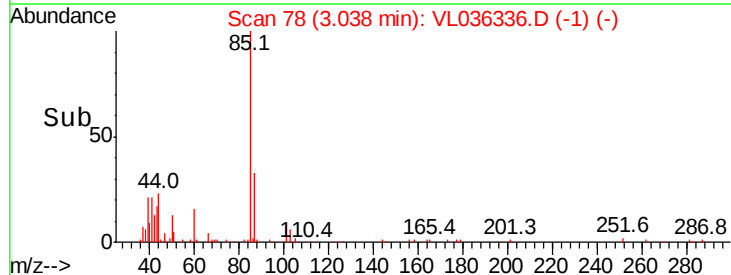
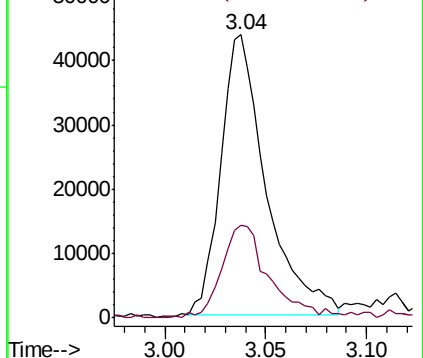
85 100

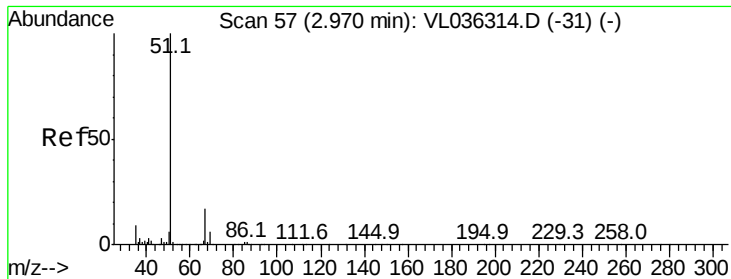
87 31.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

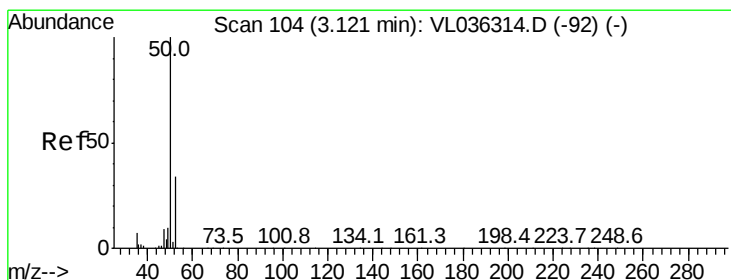
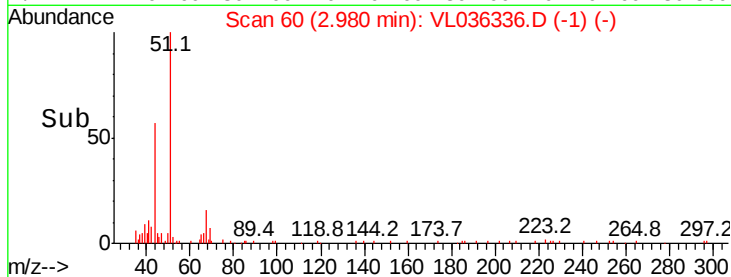
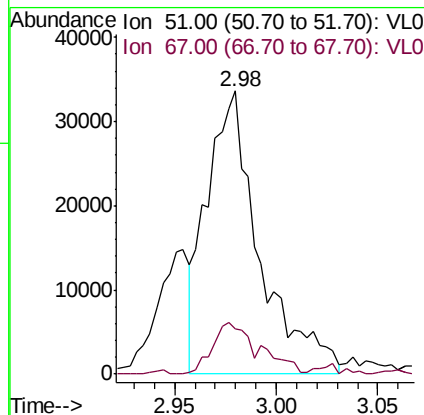
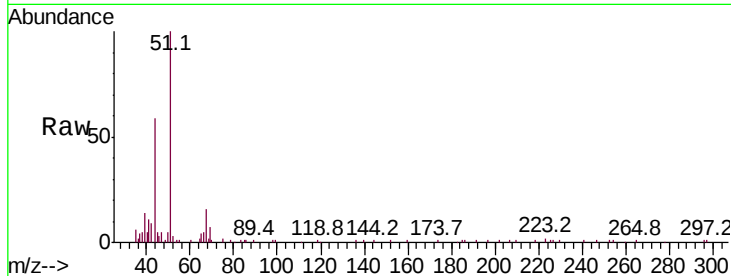
Chlorodifluoromethane
 Concen: 0.309 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. 0.01 min
 Lab File: VL036336.D
 Acq: 11 Feb 2021 3:14

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-7B

Tot Ion	Ratio	Lower	Upper
51	100		
67	0.9	14.7	22.1#

Manual Integrations
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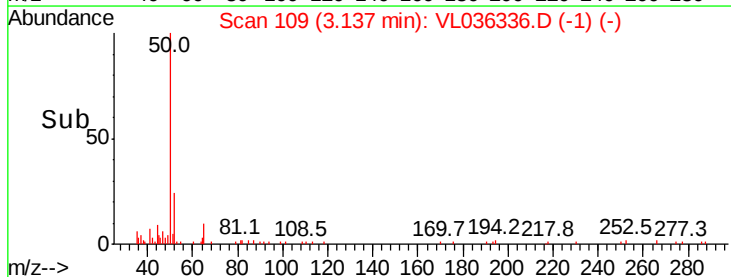
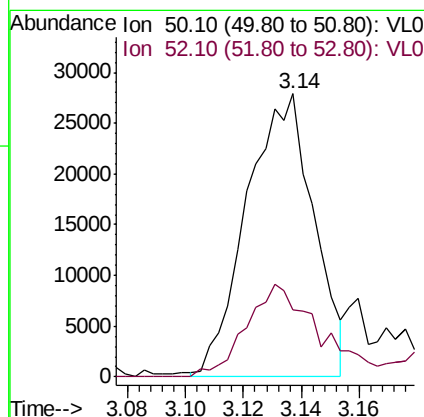
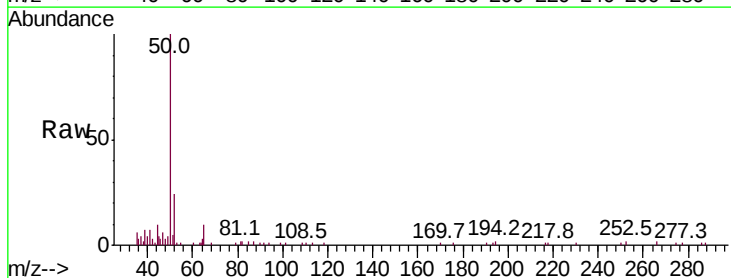
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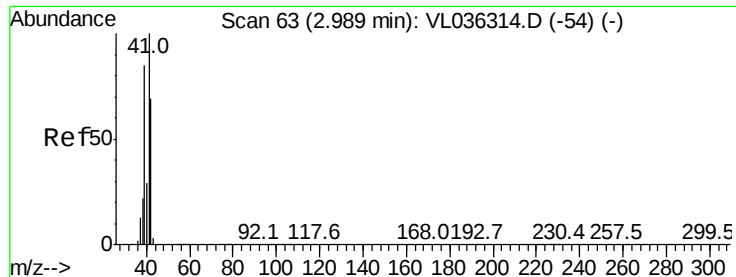


#4

Chloromethane
 Concen: 0.471 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. 0.02 min
 Lab File: VL036336.D
 Acq: 11 Feb 2021 3:14

Tgt Ion	Ratio	Lower	Upper
50	100		
52	24.8	27.0	40.4#





#9

Propene

Concen: 1.521 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

SR-7B

Tot Ion: 41 Resp: 111425

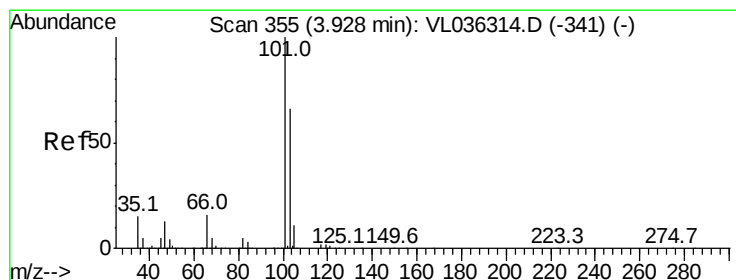
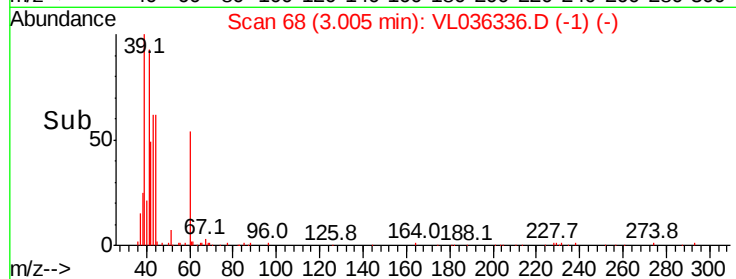
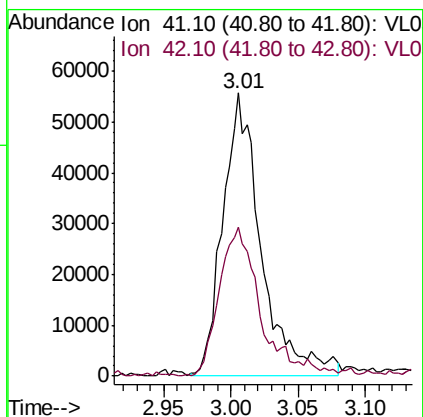
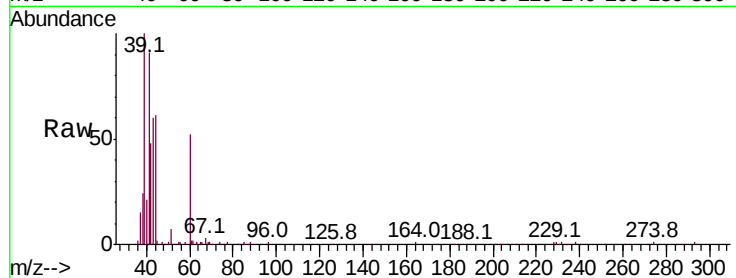
Ion Ratio Lower Upper

41 100

42 56.6 56.2 84.2

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#11

Trichlorofluoromethane

Concen: 0.226 ppbv m

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL036336.D

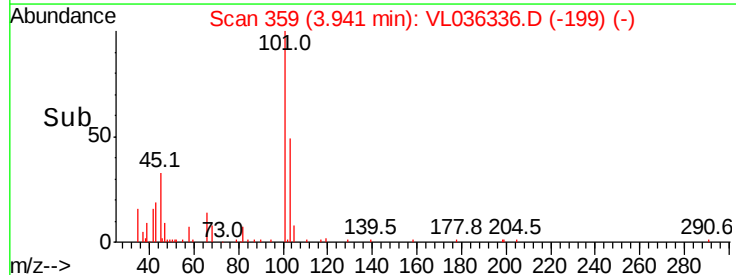
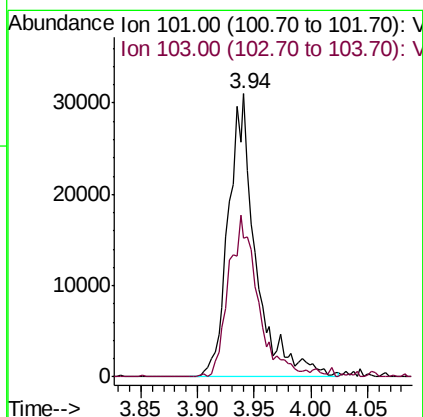
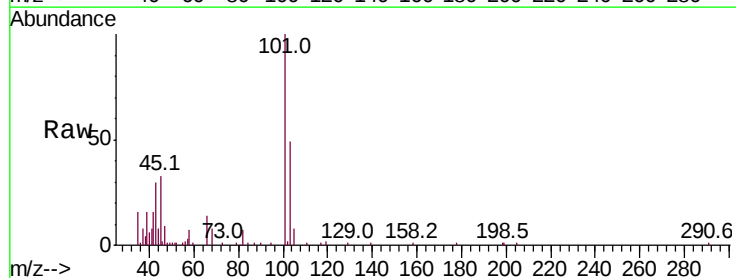
Acq: 11 Feb 2021 3:14

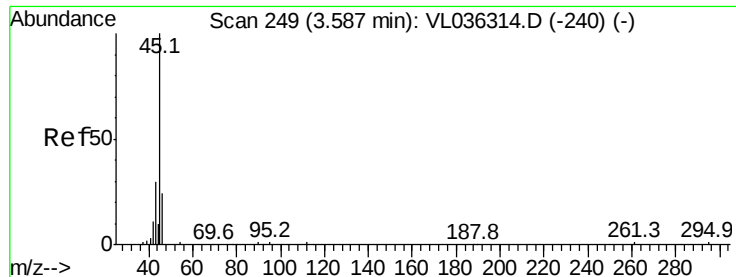
Tgt Ion: 101 Resp: 52336

Ion Ratio Lower Upper

101 100

103 49.1 52.9 79.3#





#13

Ethanol

Concen: 37.969 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. 0.01 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

SR-7B

Tot Ion: 45 Resp: 522421

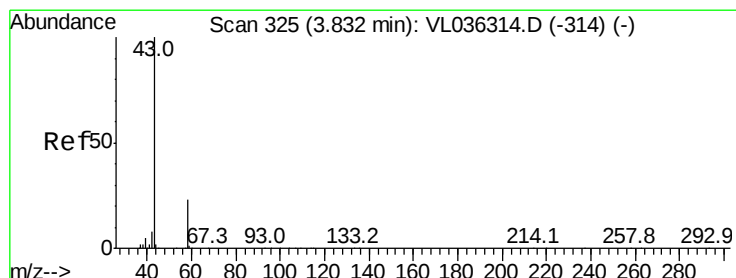
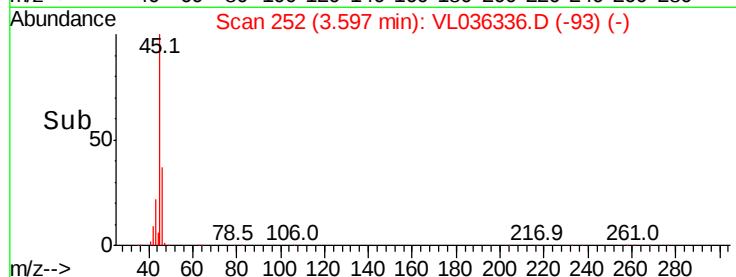
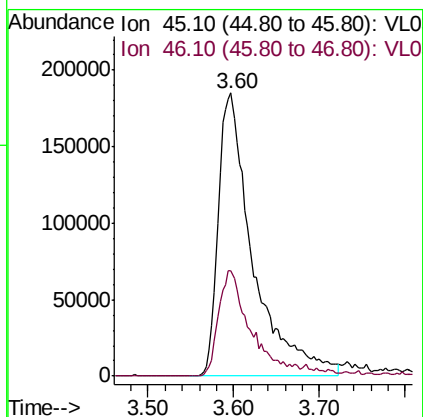
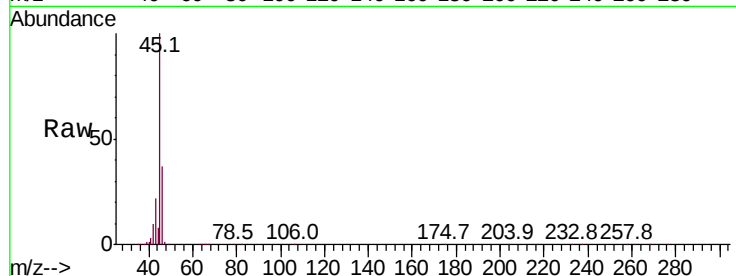
Ion Ratio Lower Upper

45 100

46 36.6 17.7 70.7

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#15

Acetone

Concen: 1.017 ppbv m

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL036336.D

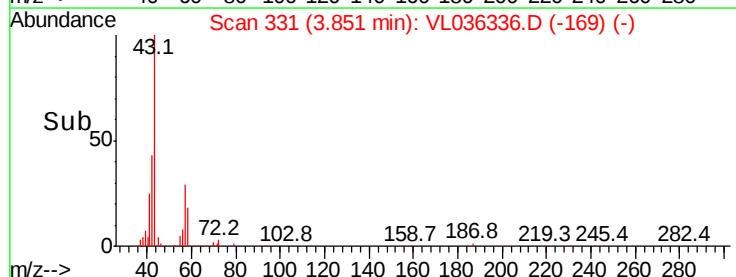
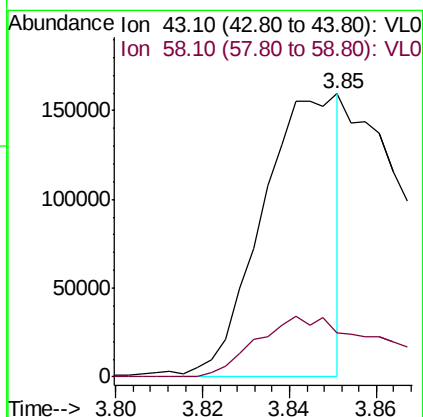
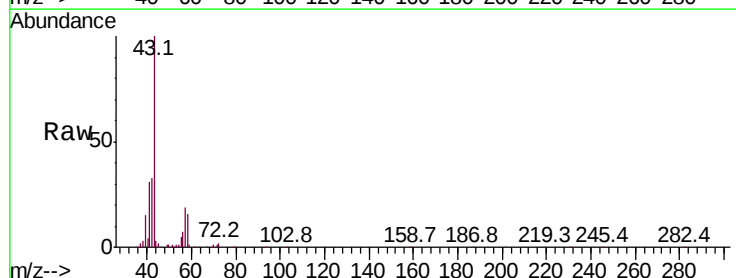
Acq: 11 Feb 2021 3:14

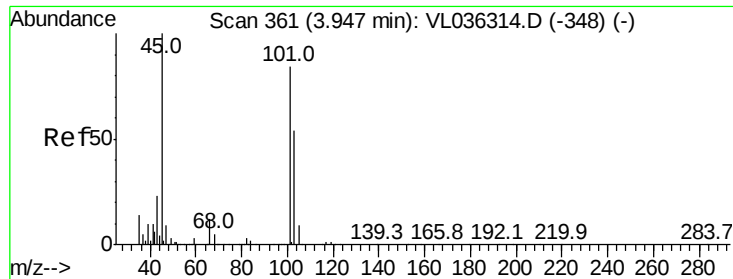
Tgt Ion: 43 Resp: 196629

Ion Ratio Lower Upper

43 100

58 40.9 20.3 30.5#





#19

Isopropyl Alcohol

Concen: 2.205 ppbv m

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

SR-7B

Tot Ion: 45 Resp: 236079

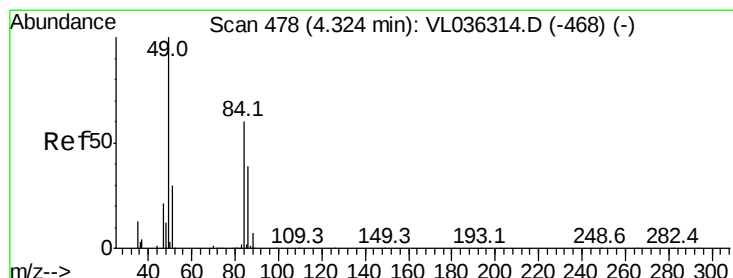
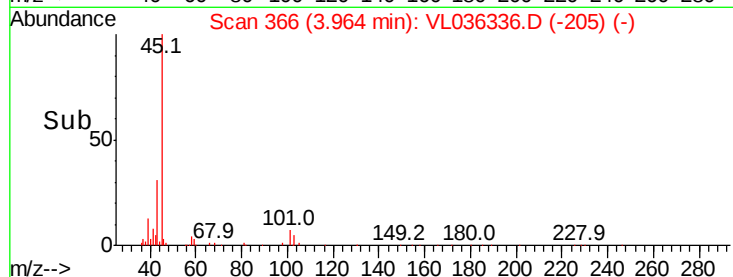
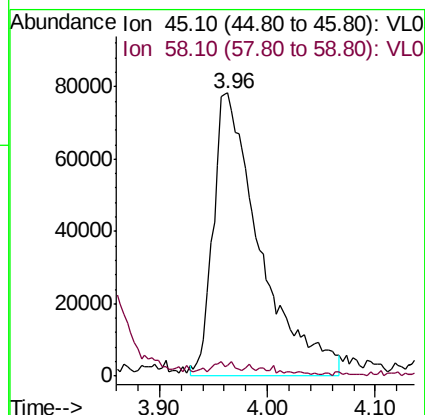
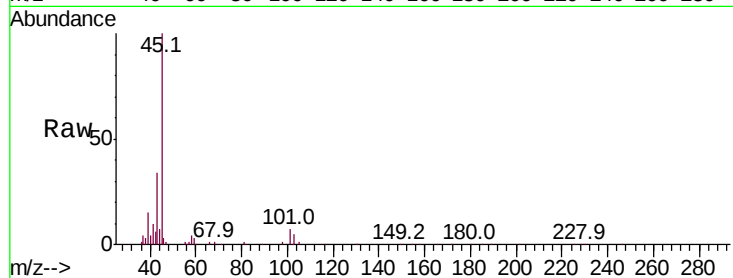
Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#

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#20

Methylene Chloride

Concen: 1.587 ppbv m

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Tgt Ion: 84 Resp: 98985

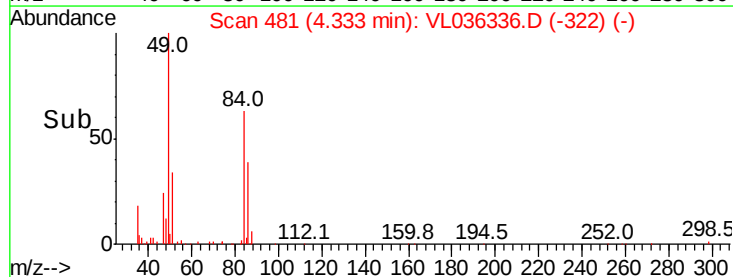
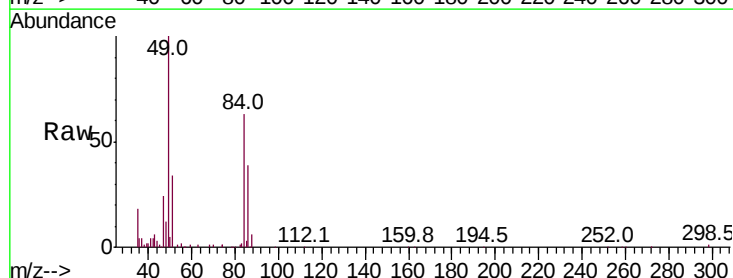
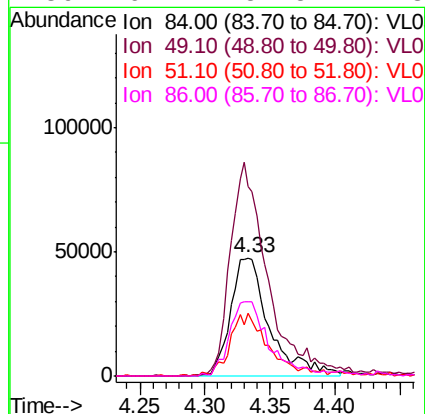
Ion Ratio Lower Upper

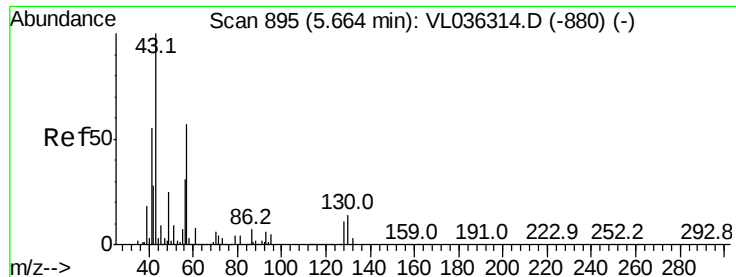
84 100

49 159.6 133.8 200.8

51 53.5 41.4 62.0

86 62.4 51.5 77.3





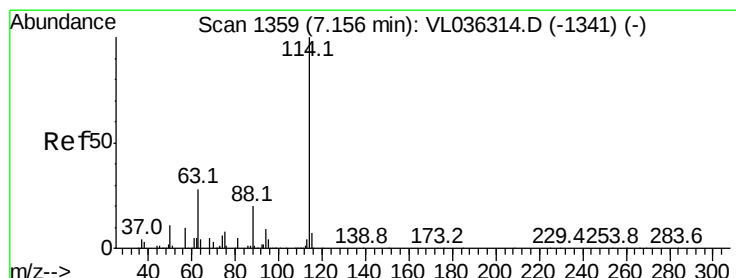
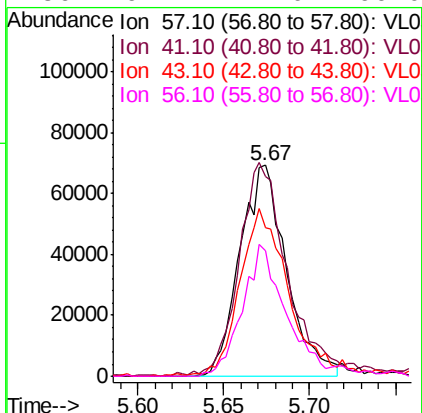
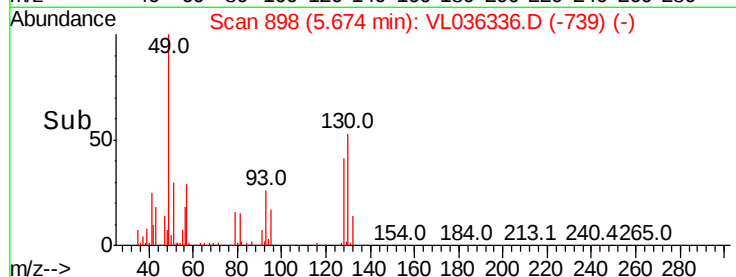
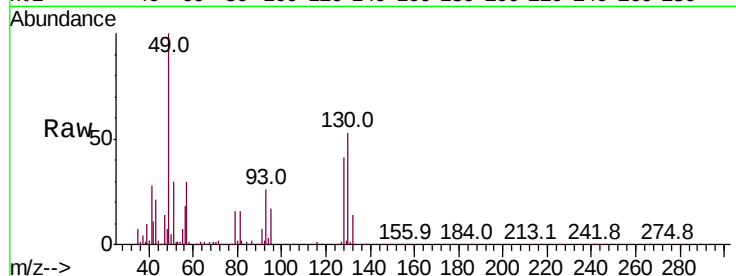
#26
Hexane
Concen: 0.849 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036336.D
Acq: 11 Feb 2021 3:14

Instrument :
MSVOA_L
ClientSampleId :
SR-7B

Tot Ion	Ratio	Lower	Upper
57	100		
41	110.4	81.7	122.5
43	85.6	199.1	298.7#
56	62.2	44.0	66.0

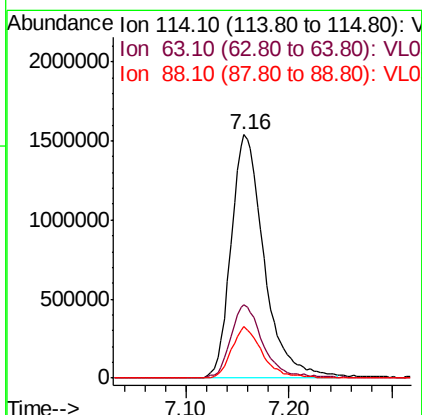
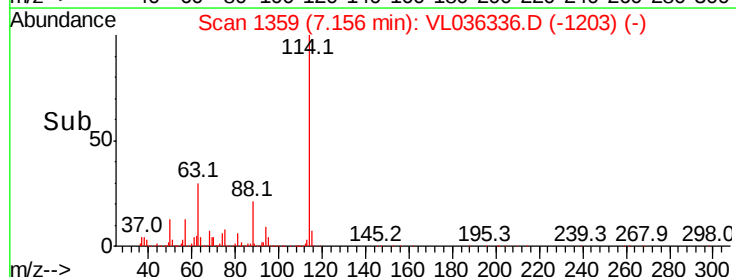
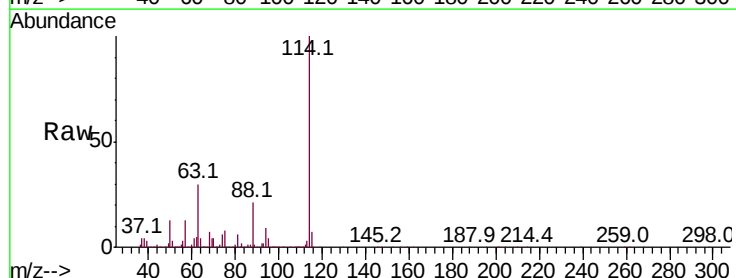
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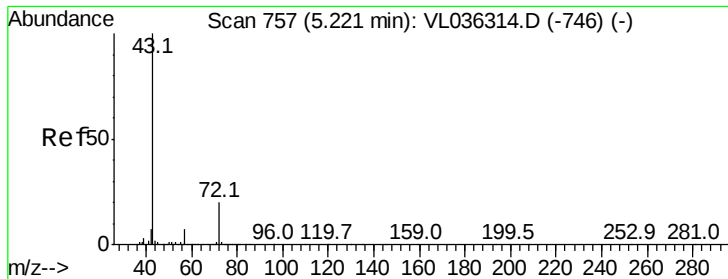
MMDadoda
2/12/2021 1:42:48 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL036336.D
Acq: 11 Feb 2021 3:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.1	36.1
88	19.9	16.0	24.0





#34

2-Butanone

Concen: 0.196 ppbv m

RT: 5.24 min Scan# 764

Delta R.T. 0.02 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

SR-7B

Tot Ion: 43 Resp: 44795

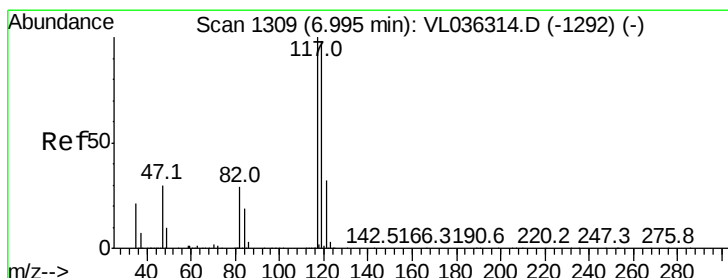
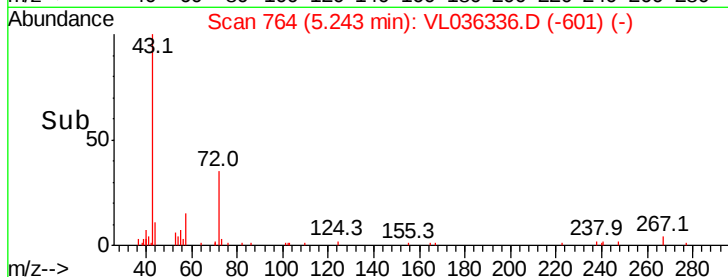
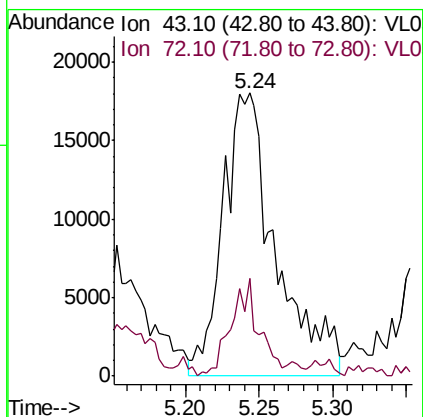
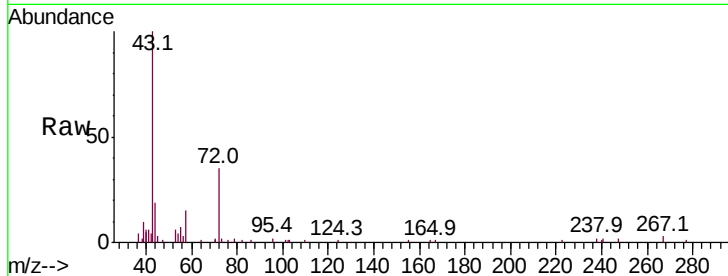
Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#

Manual Integrations
APPROVED

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#35

Carbon Tetrachloride

Concen: 0.061 ppbv m

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

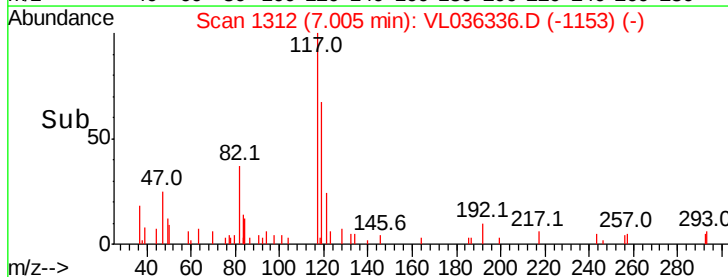
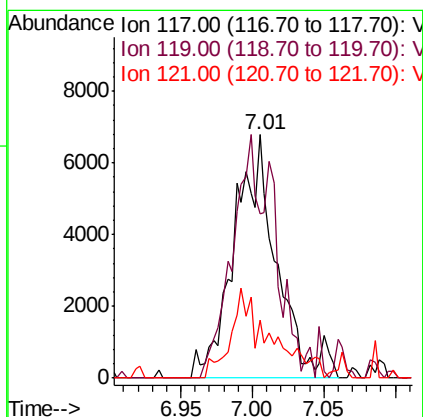
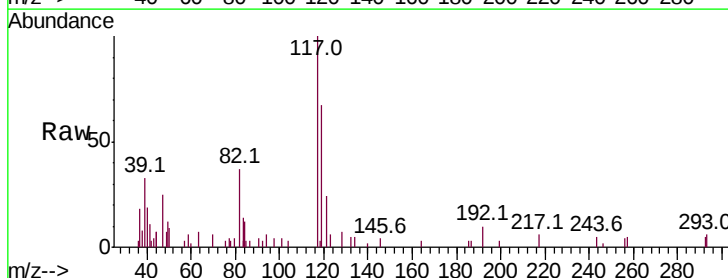
Tgt Ion: 117 Resp: 14005

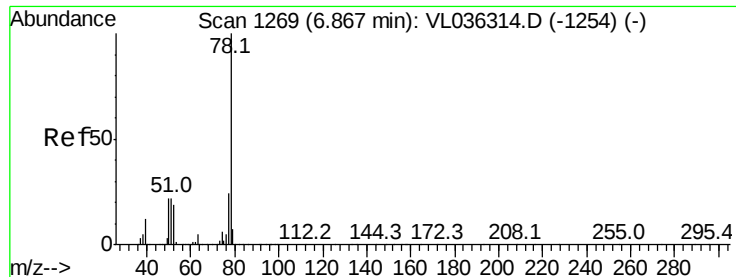
Ion Ratio Lower Upper

117 100

119 67.2 78.1 117.1#

121 23.9 25.8 38.8#





#36

Benzene

Concen: 0.433 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

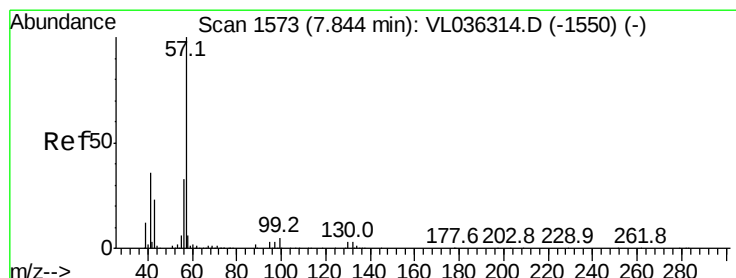
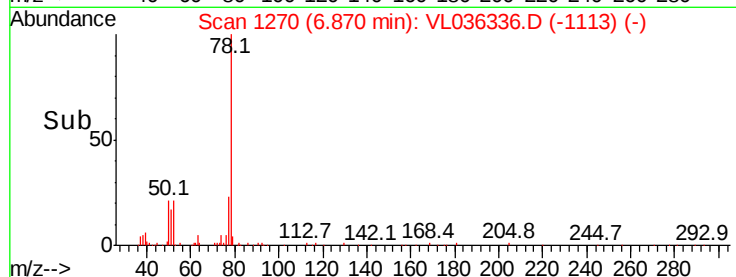
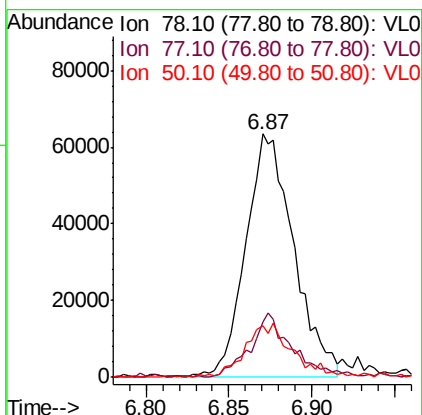
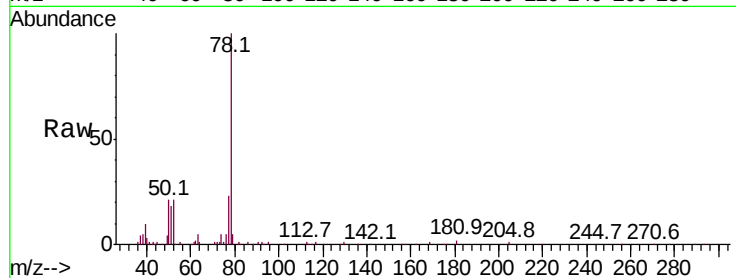
ClientSampleId :

SR-7B

Tot Ion:	78	Resp:	126329
Ion Ratio	Lower	Upper	
78	100		
77	22.3	18.9	28.3
50	20.3	17.3	25.9

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#44

2,2,4-Trimethylpentane

Concen: 0.186 ppbv

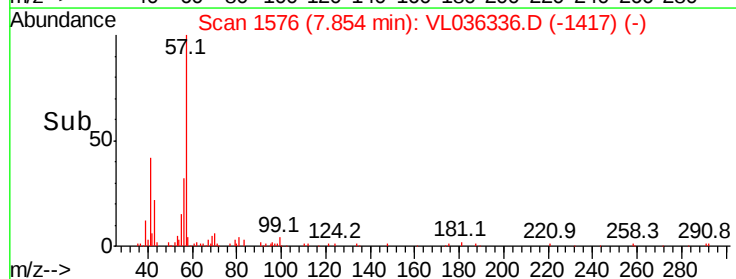
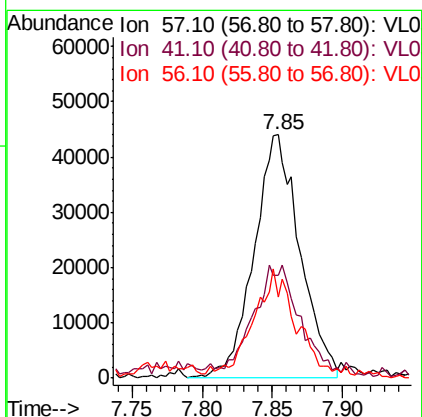
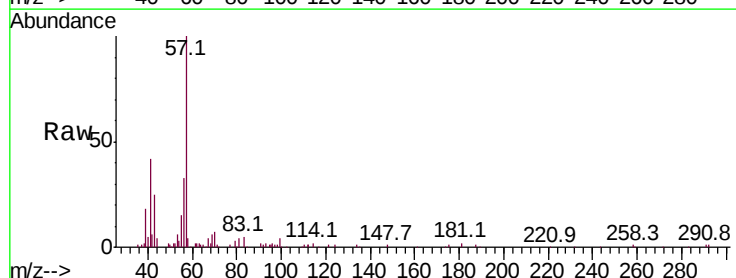
RT: 7.85 min Scan# 1576

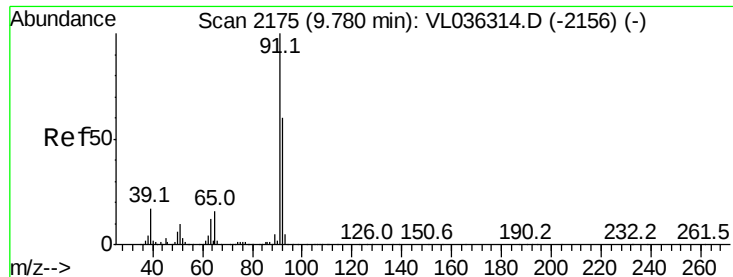
Delta R.T. 0.01 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Tgt Ion:	57	Resp:	98917
Ion Ratio	Lower	Upper	
57	100		
41	53.1	28.8	43.2#
56	46.0	25.8	38.6#





#53

Toluene

Concen: 0.698 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

SR-7B

Tot Ion: 91 Resp: 220571

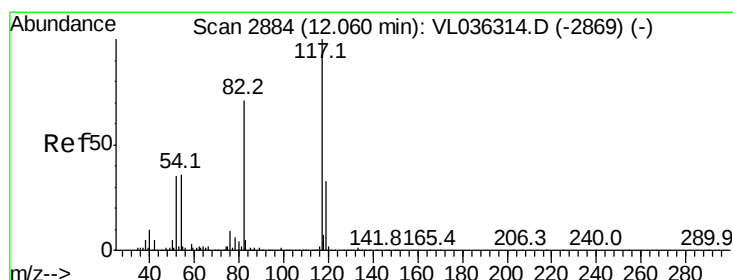
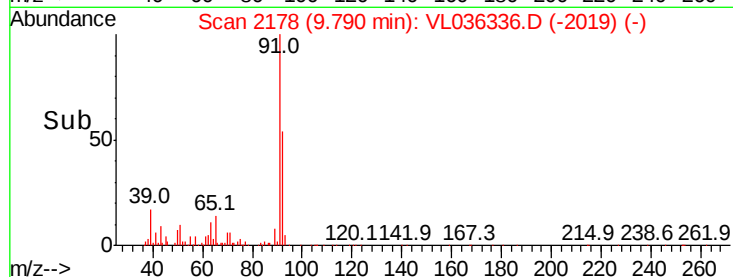
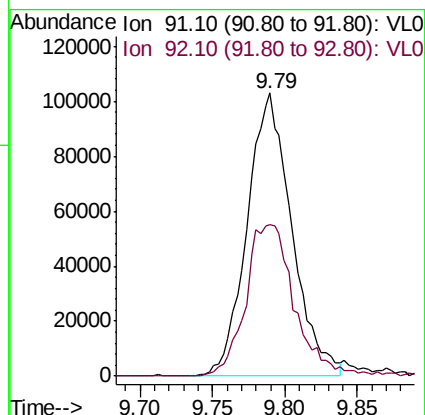
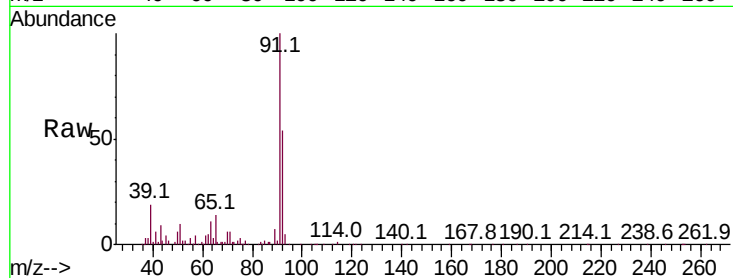
Ion Ratio Lower Upper

91 100

92 58.6 48.6 72.8

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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: VL036336.D

Acq: 11 Feb 2021 3:14

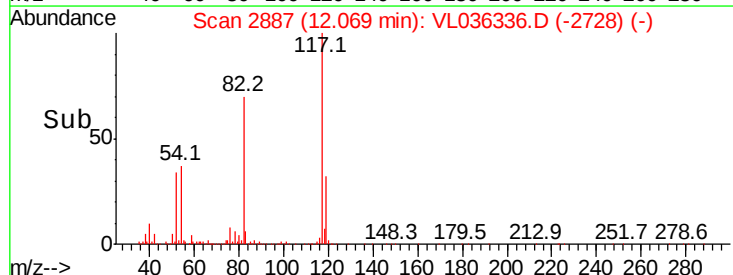
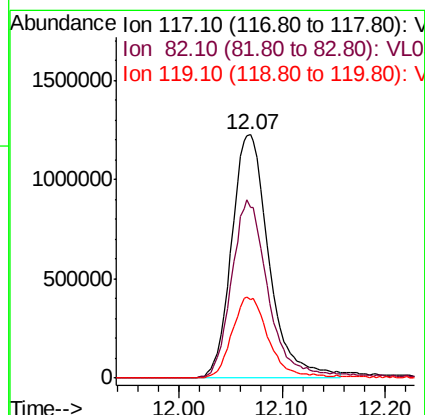
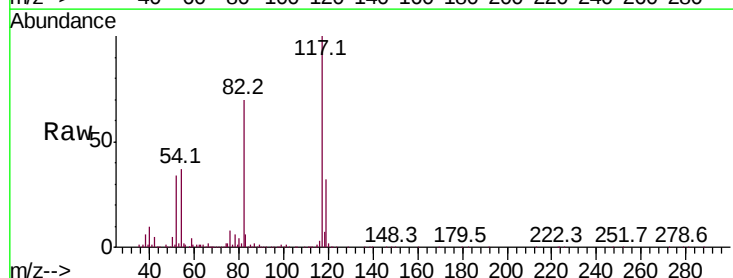
Tgt Ion: 117 Resp: 3094346

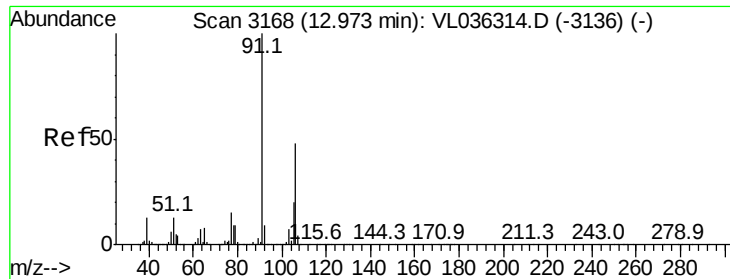
Ion Ratio Lower Upper

117 100

82 73.2 59.1 88.7

119 33.7 46.3 69.5#





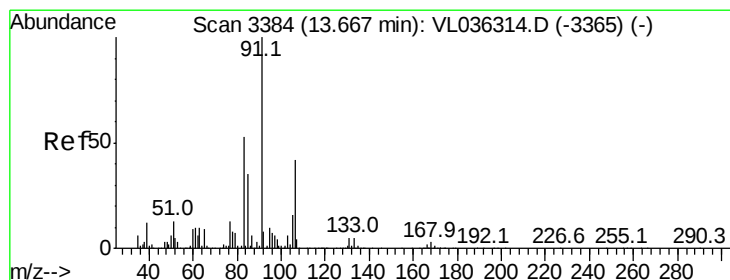
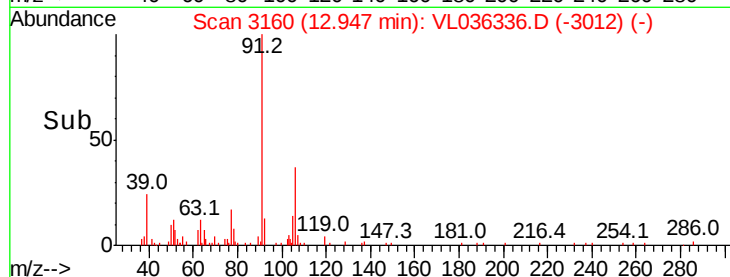
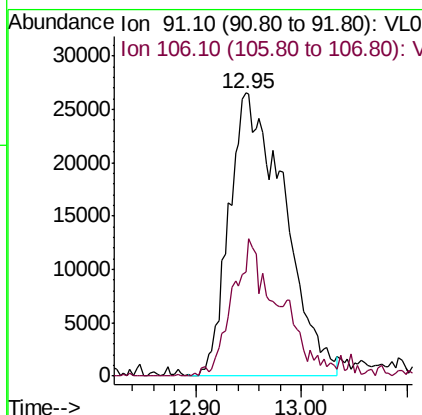
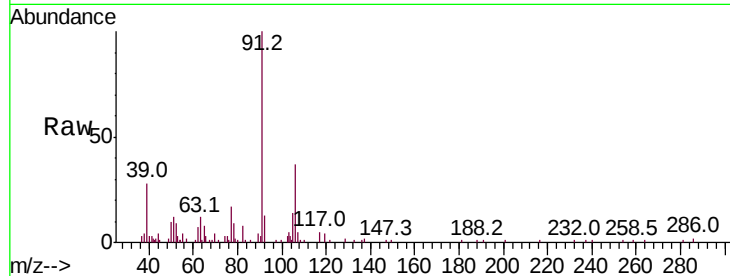
#59
m/p-Xylene
Concen: 0.258 ppbv m
RT: 12.95 min Scan# 3160
Delta R.T. -0.03 min
Lab File: VL036336.D
Acq: 11 Feb 2021 3:14

Instrument :
MSVOA_L
ClientSampleId :
SR-7B

Tot Ion: 91 Resp: 95922
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

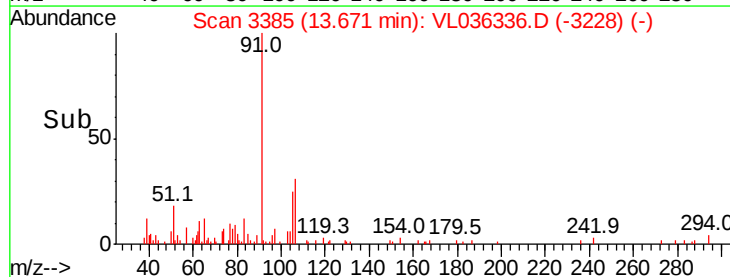
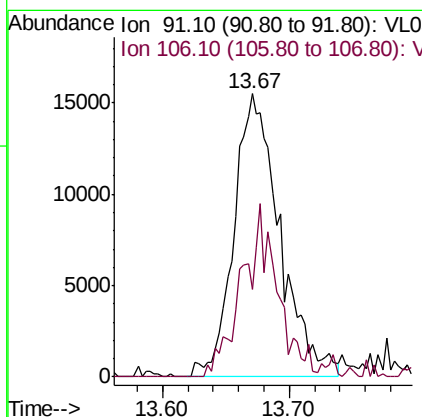
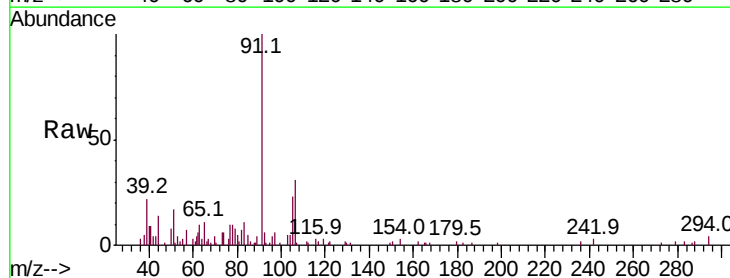
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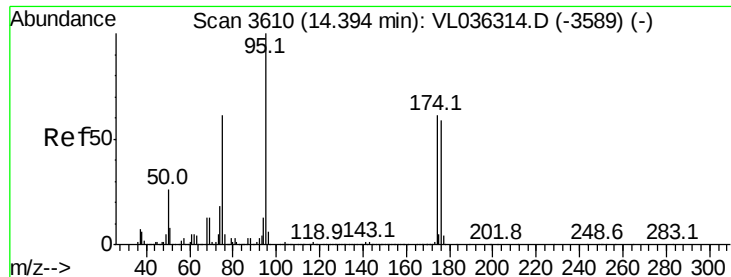
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#60
o-Xylene
Concen: 0.109 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. 0.00 min
Lab File: VL036336.D
Acq: 11 Feb 2021 3:14

Tgt Ion: 91 Resp: 38931
Ion Ratio Lower Upper
91 100
106 48.8 22.0 66.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.640 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036336.D

Acq: 11 Feb 2021 3:14

Instrument :

MSVOA_L

ClientSampleId :

SR-7B

Tot Ion: 95 Resp: 2454328

Ion Ratio Lower Upper

95 100

174 64.6 49.8 74.6

175 4.8 3.7 5.5

Manual Integrations

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