

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036331.D
 Acq On : 10 Feb 2021 23:53
 Operator : SY/AP
 Sample : M1343-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4BDL

Manual Integrations
 APPROVED

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 2/12/2021 1:42:42 PM

Quant Time: Feb 11 21:12:03 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	1700915	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3706353	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3325789	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2663825	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	187063	0.885	ppbv #	92
9) Propene	3.01	41	32573m	0.413	ppbv	
13) Ethanol	3.59	45	2479711	167.547	ppbv	91
15) Acetone	3.84	43	178273	0.857	ppbv #	86
19) Isopropyl Alcohol	3.96	45	364769m	3.167	ppbv	
36) Benzene	6.87	78	36273	0.115	ppbv	98
53) Toluene	9.78	91	34037m	0.100	ppbv	

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

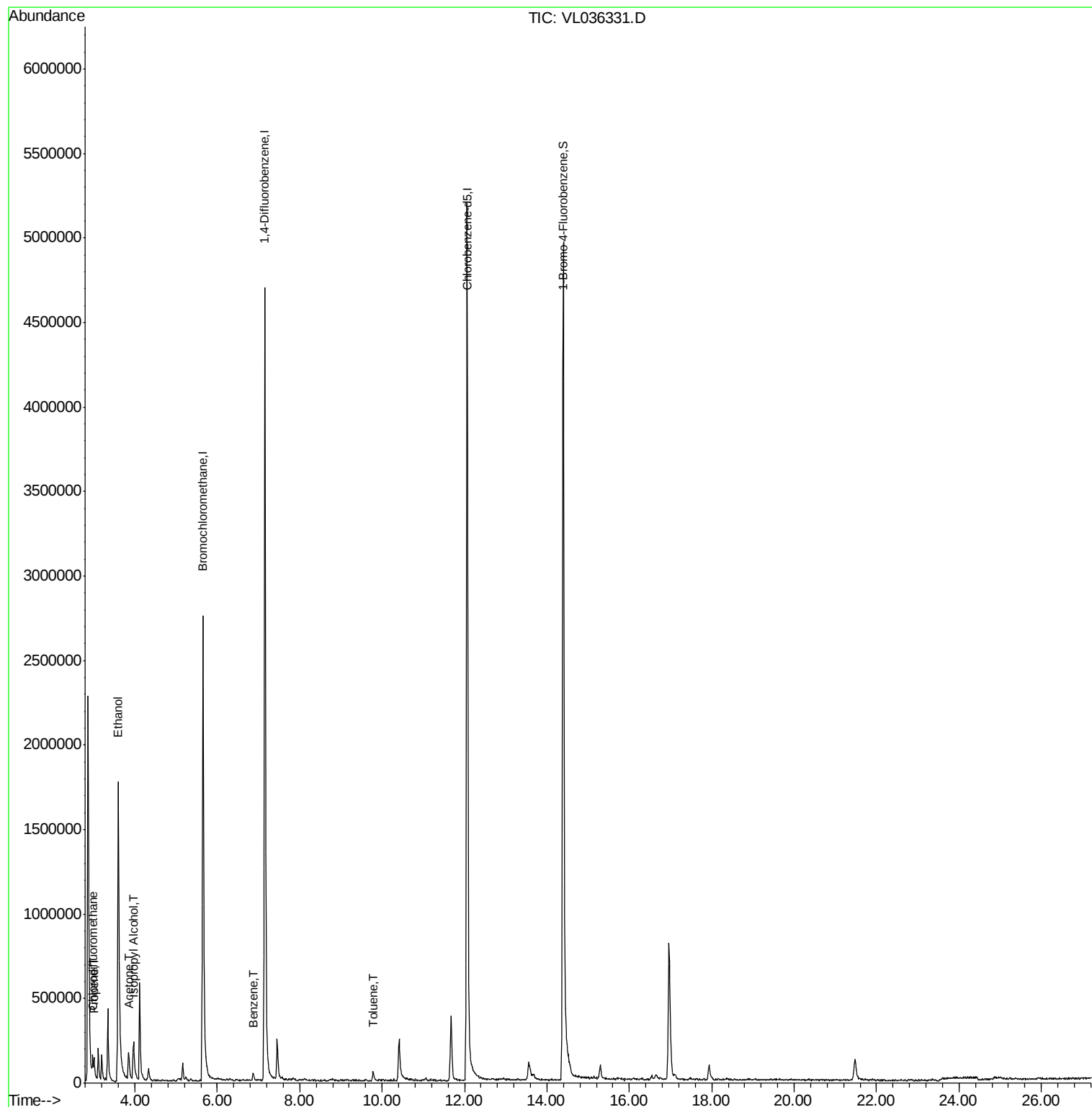
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
Data File : VL036331.D
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Operator : SY/AP
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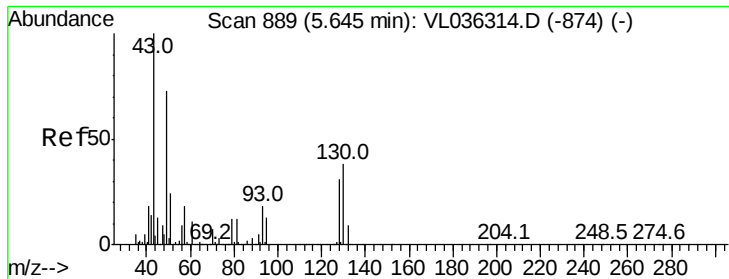
Instrument :
MSVOA_L
ClientSampleId :
SR-4BDL

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Quant Time: Feb 11 21:12:03 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: VL036331.D

Acq: 10 Feb 2021 23:53

Instrument :

MSVOA_L

ClientSampled :

SR-4BDL

Tot Ion: 49 Resp: 1700915

Ion Ratio Lower Upper

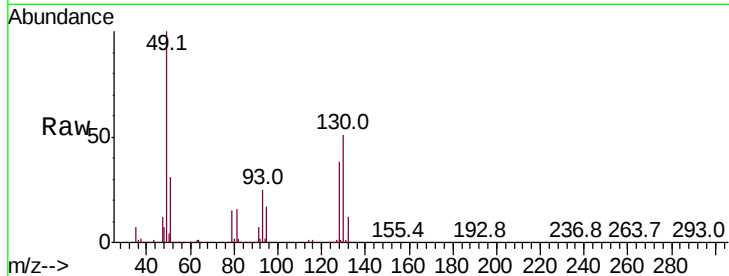
49 100

128 41.8 20.8 62.5

130 53.1 26.7 80.1

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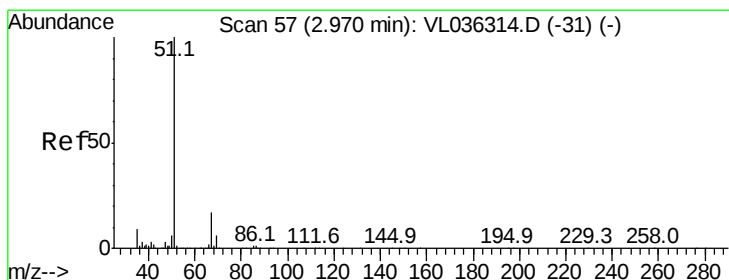
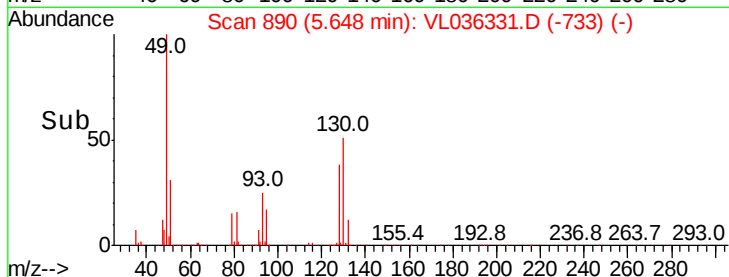
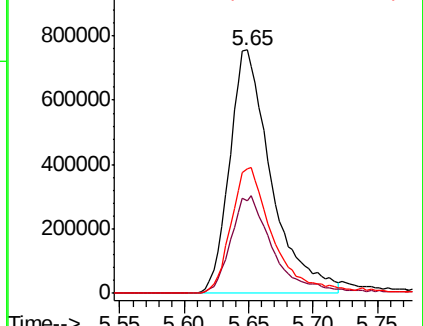
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.885 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036331.D

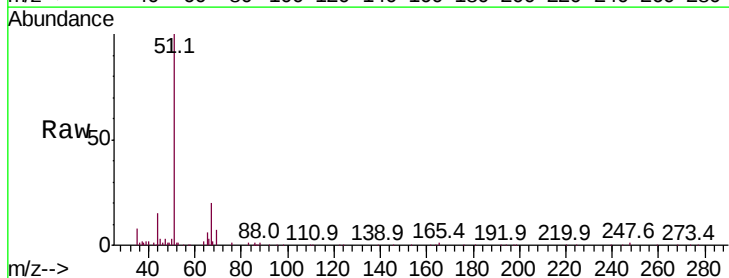
Acq: 10 Feb 2021 23:53

Tgt Ion: 51 Resp: 187063

Ion Ratio Lower Upper

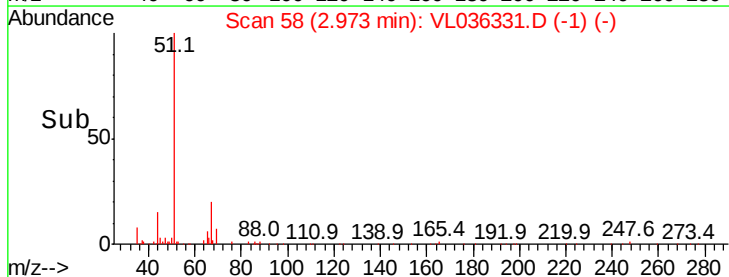
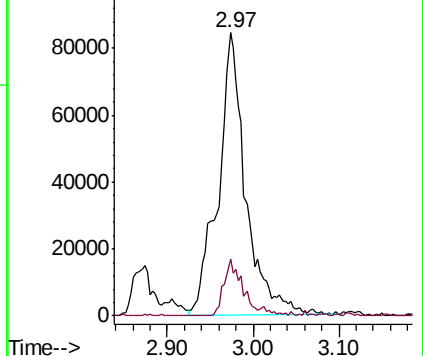
51 100

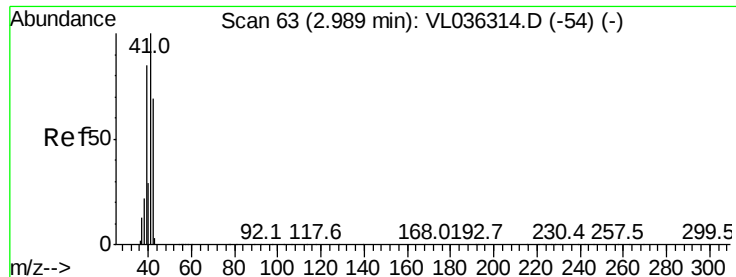
67 14.7 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





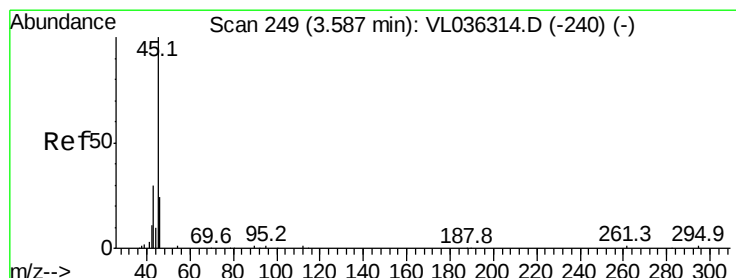
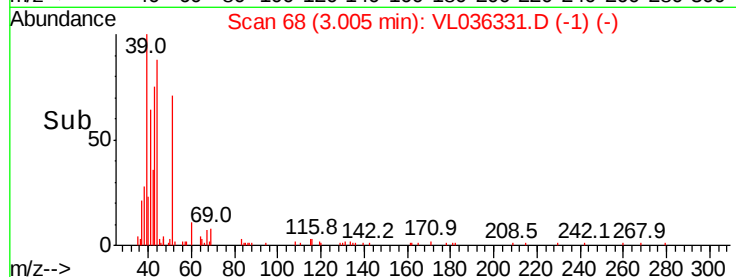
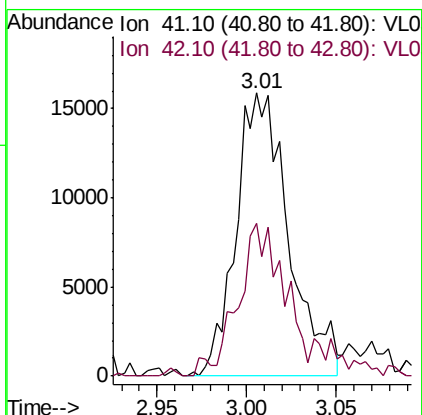
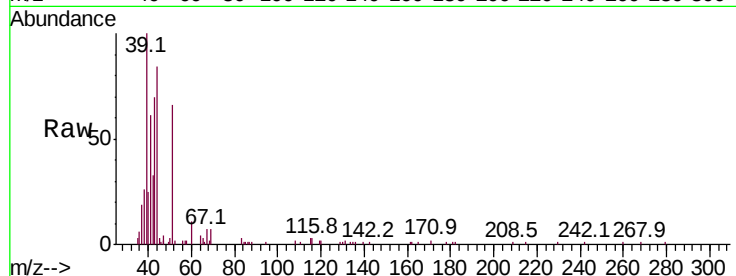
#9
Propene
Concen: 0.413 ppbv m
RT: 3.01 min Scan# 68
Delta R.T. 0.02 min
Lab File: VL036331.D
Acq: 10 Feb 2021 23:53

Instrument :
MSVOA_L
ClientSampleId :
SR-4BDL

Tot Ion: 41 Resp: 32573
Ion Ratio Lower Upper
41 100
42 55.8 56.2 84.2#

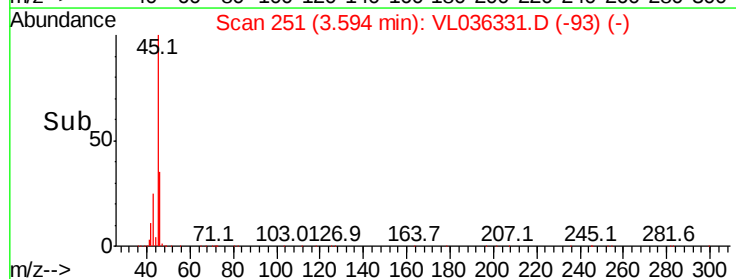
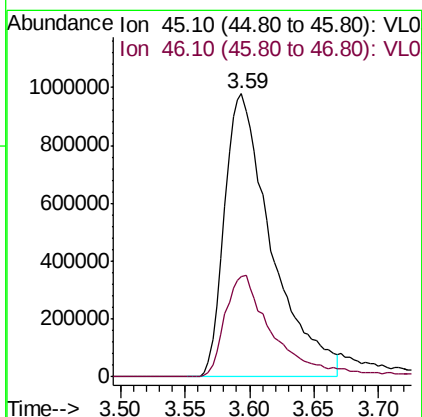
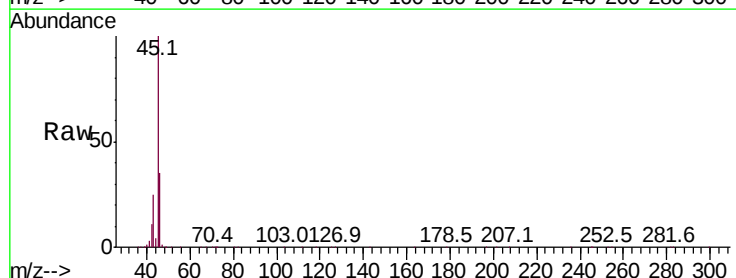
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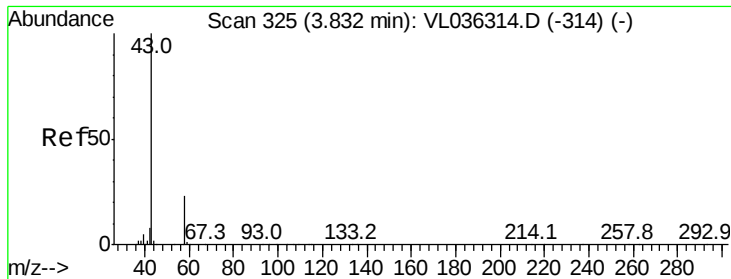
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#13
Ethanol
Concen: 167.547 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL036331.D
Acq: 10 Feb 2021 23:53

Tgt Ion: 45 Resp: 2479711
Ion Ratio Lower Upper
45 100
46 38.4 17.7 70.7





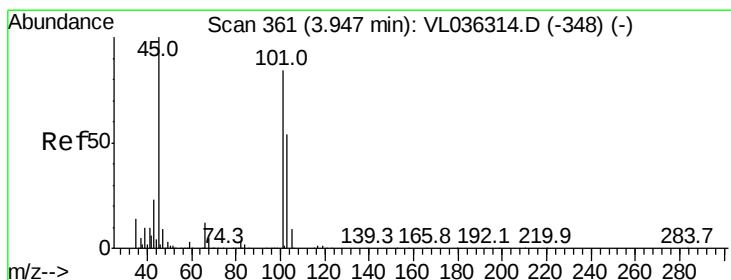
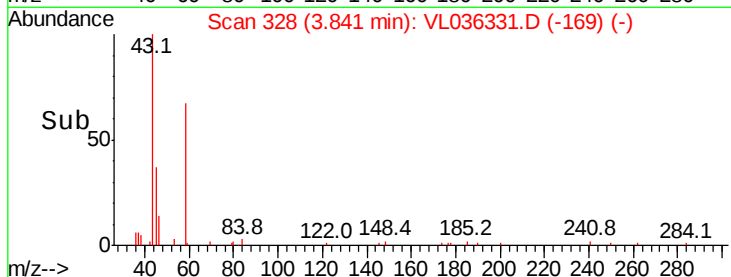
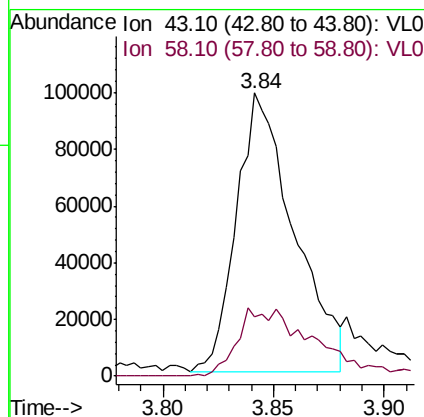
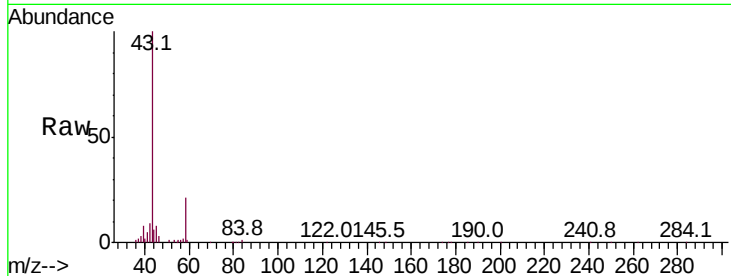
#15
Acetone
Concen: 0.857 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL036331.D
Acq: 10 Feb 2021 23:53

Instrument :
MSVOA_L
ClientSampleId :
SR-4BDL

Tot Ion	43	58	Ratio	100	32.7	Resp	178273	Lower	20.3	Upper	30.5#
Ion	43	58	Ratio	100	32.7	Resp	178273	Lower	20.3	Upper	30.5#

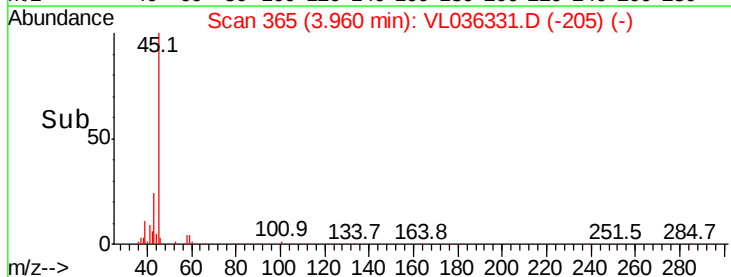
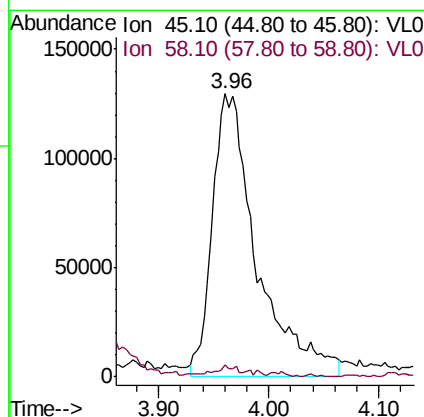
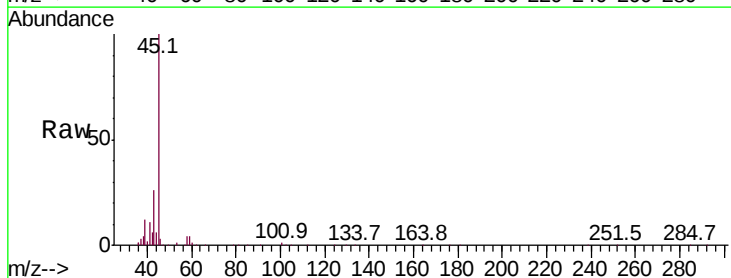
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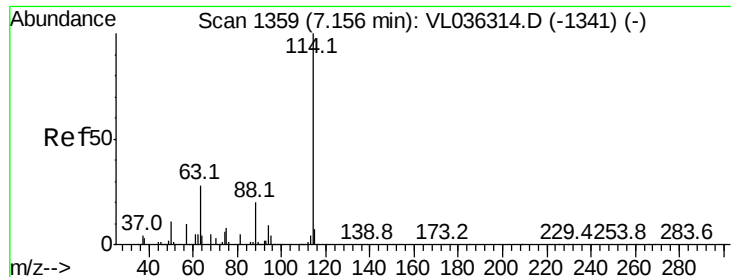
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#19
Isopropyl Alcohol
Concen: 3.167 ppbv m
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL036331.D
Acq: 10 Feb 2021 23:53

Tgt Ion	45	58	Ratio	100	0.0	Resp	364769	Lower	1.9	Upper	2.9#
Ion	45	58	Ratio	100	0.0	Resp	364769	Lower	1.9	Upper	2.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036331.D

Acq: 10 Feb 2021 23:53

Instrument :

MSVOA_L

ClientSampleId :

SR-4BDL

Tot Ion:114 Resp: 3706353

Ion Ratio Lower Upper

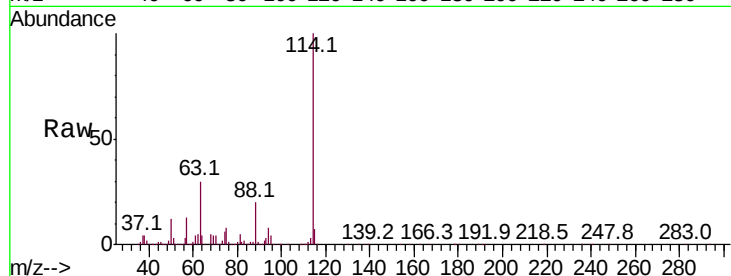
114 100

63 30.0 24.1 36.1

88 20.3 16.0 24.0

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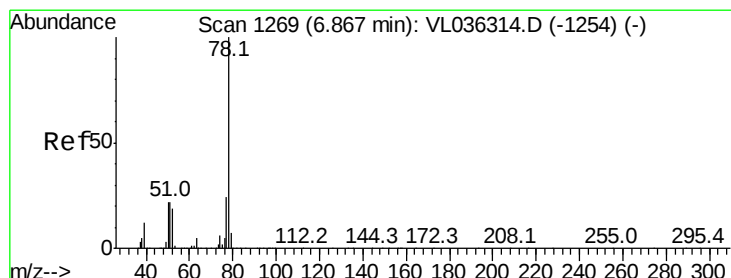
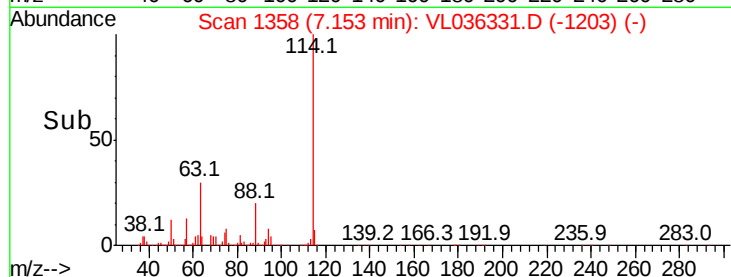
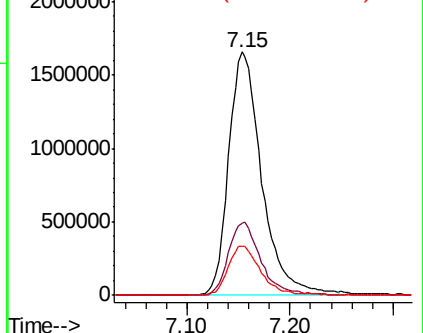
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#36

Benzene

Concen: 0.115 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL036331.D

Acq: 10 Feb 2021 23:53

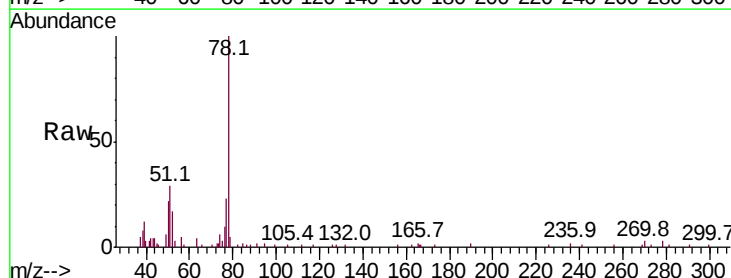
Tgt Ion: 78 Resp: 36273

Ion Ratio Lower Upper

78 100

77 22.7 18.9 28.3

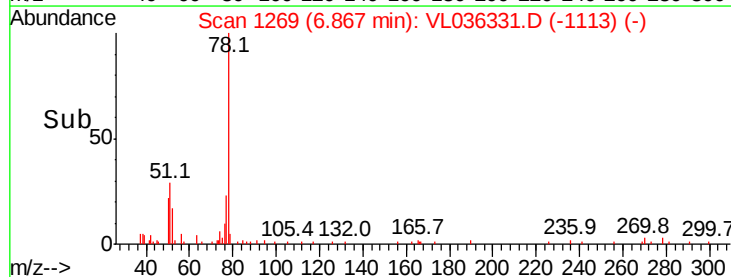
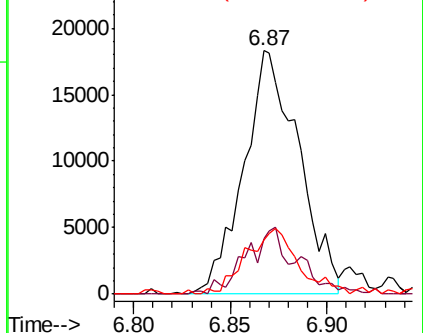
50 20.3 17.3 25.9

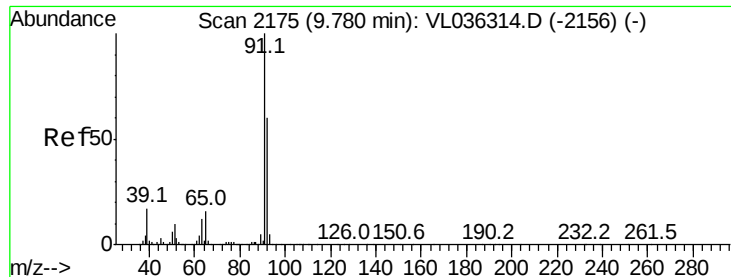


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#53

Toluene

Concen: 0.100 ppbv m

RT: 9.78 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VL036331.D

Acq: 10 Feb 2021 23:53

Instrument :

MSVOA_L

ClientSampleId :

SR-4BDL

Tot Ion: 91 Resp: 34037

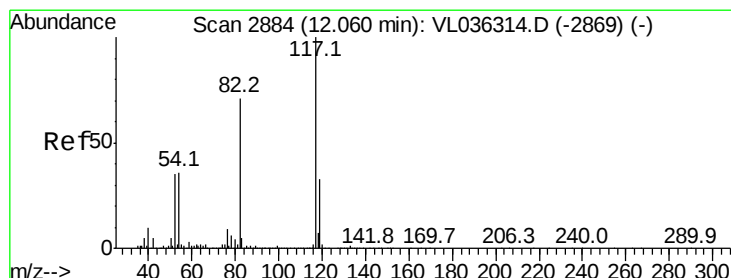
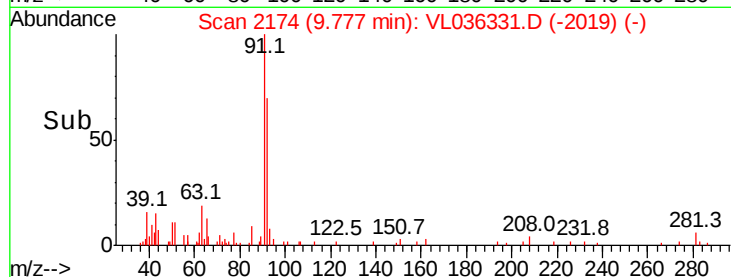
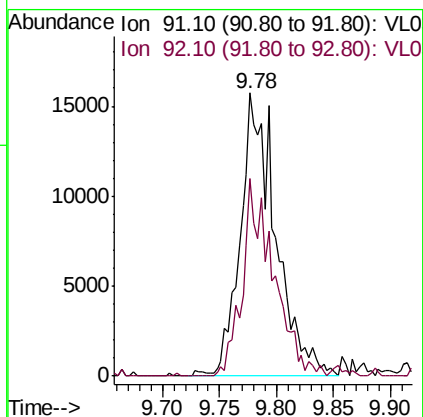
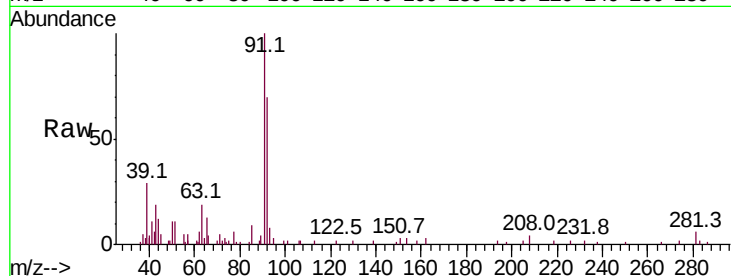
Ion Ratio Lower Upper

91 100

92 60.6 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL036331.D

Acq: 10 Feb 2021 23:53

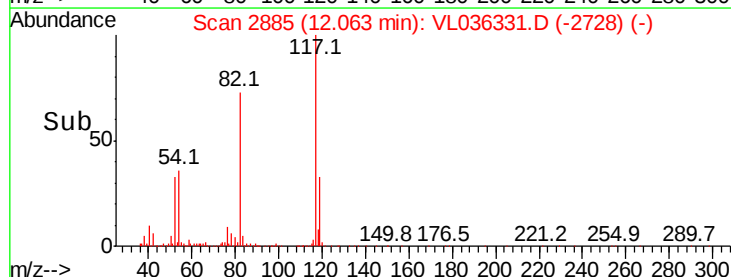
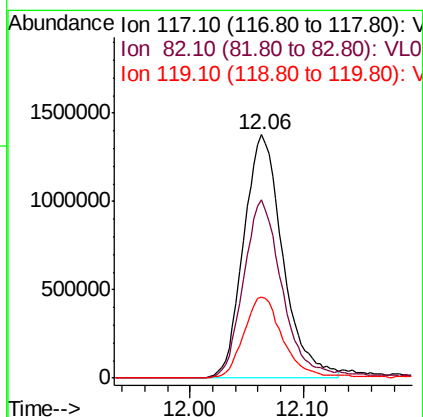
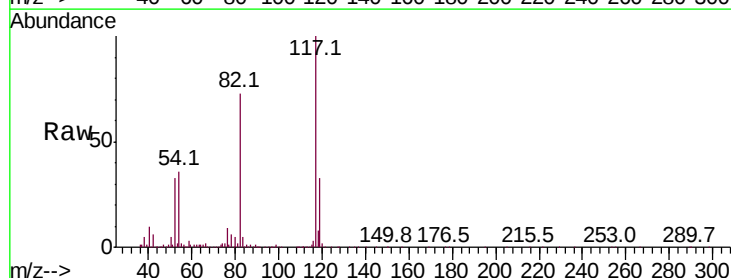
Tgt Ion: 117 Resp: 3325789

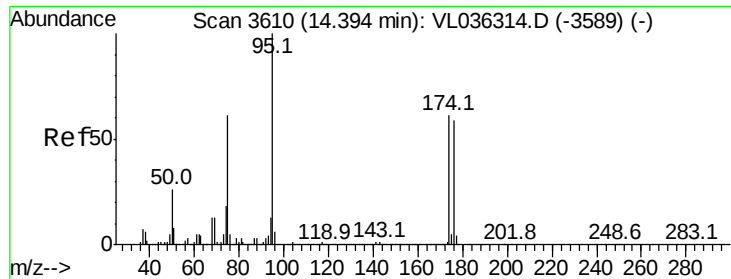
Ion Ratio Lower Upper

117 100

82 74.8 59.1 88.7

119 34.5 46.3 69.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.735 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VL036331.D
 Acq: 10 Feb 2021 23:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4BDL

Tot Ion: 95 Resp: 2663825
 Ion Ratio Lower Upper
 95 100
 174 65.3 49.8 74.6
 175 4.5 3.7 5.5

Manual Integrations
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