

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036454.D
 Acq On : 19 Mar 2021 19:09
 Operator :
 Sample : OC031821 CAN 10044
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031821 CAN 10044

Manual Integrations
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Quant Time: Mar 20 00:57:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1601779	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3637297	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3388255	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2703424	9.70	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	38301m	0.425	ppbv	
13) Ethanol	3.61	45	12099m	0.955	ppbv	
15) Acetone	3.84	43	141911	0.775	ppbv #	45
20) Methylene Chloride	4.33	84	50503m	0.818	ppbv	
26) Hexane	5.66	57	21790m	0.150	ppbv	
34) 2-Butanone	5.23	43	34857m	0.159	ppbv	
36) Benzene	6.87	78	30758	0.109	ppbv #	93

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

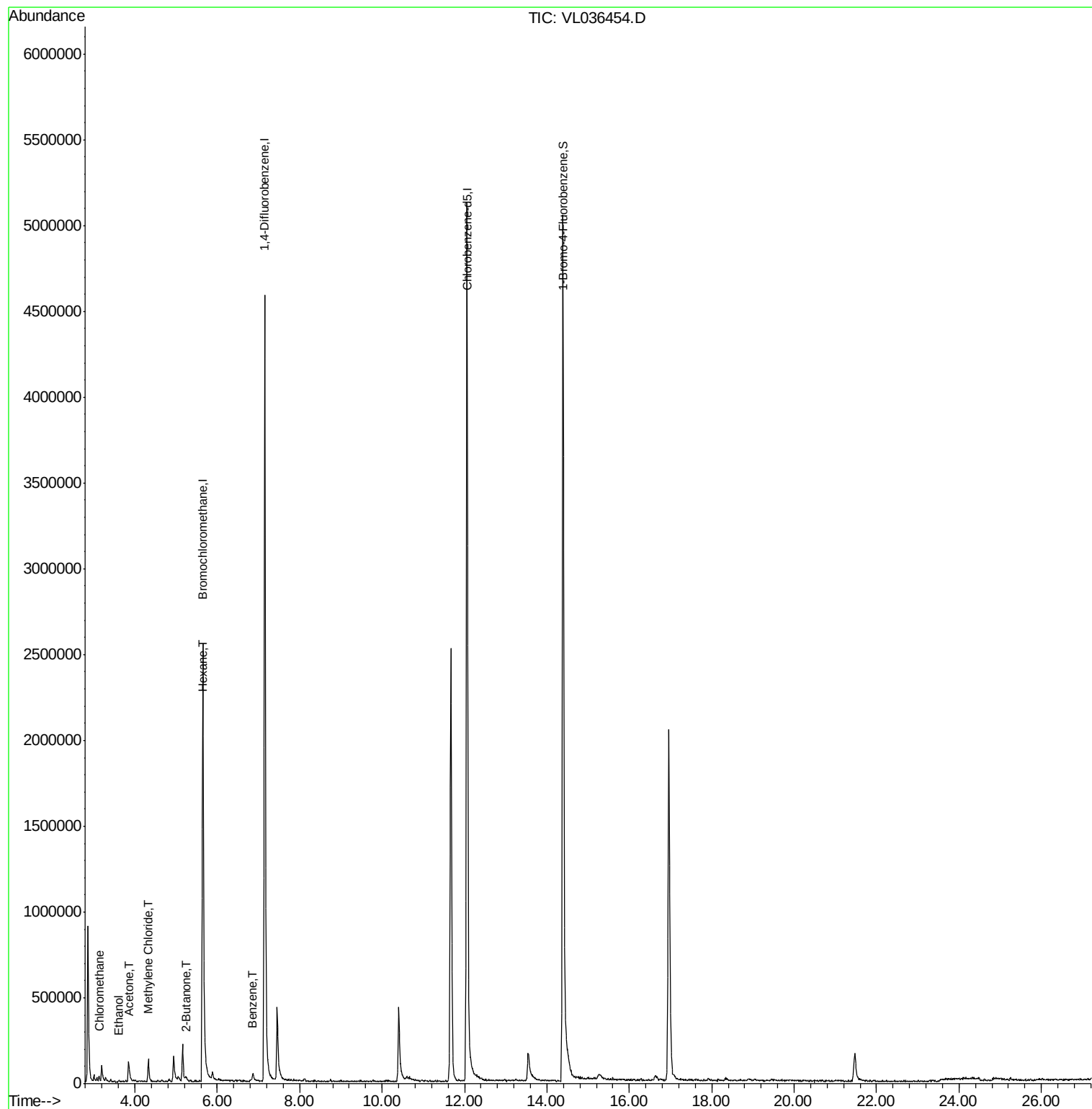
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031921\
Data File : VL036454.D
Acq On : 19 Mar 2021 19:09
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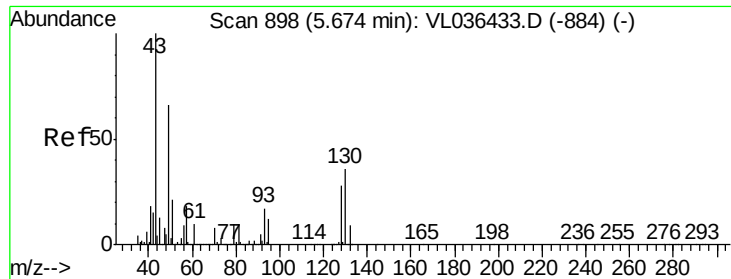
Instrument :
MSVOA_L
ClientSampleId :
QC031821 CAN 10044

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Quant Time: Mar 20 00:57:54 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 03 14:18:24 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036454.D

Acq: 19 Mar 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

QC031821 CAN 10044

Tot Ion: 49 Resp: 1601779

Ion Ratio Lower Upper

49 100

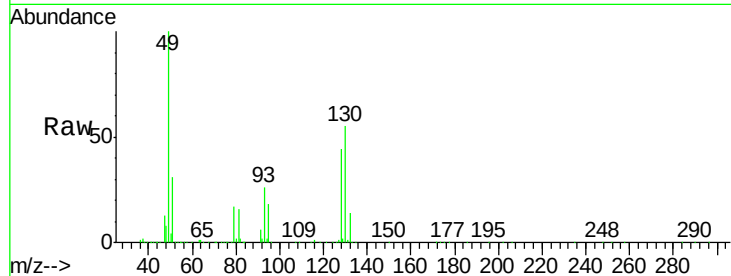
128 44.2 22.4 67.2

130 55.7 28.0 84.0

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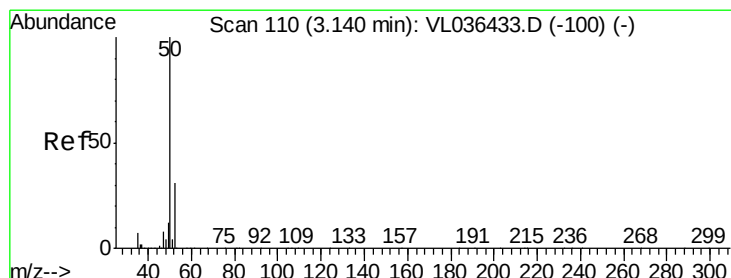
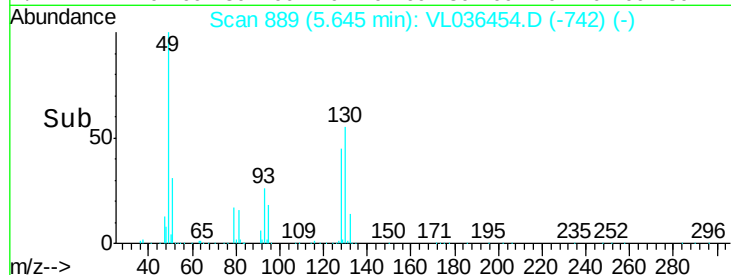
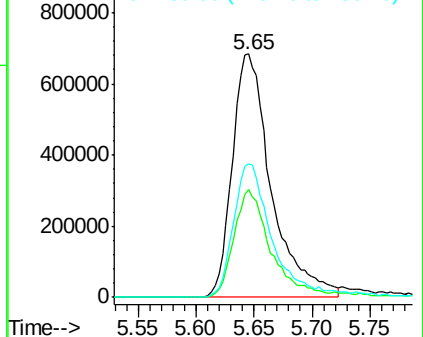
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#4

Chloromethane

Concen: 0.425 ppbv m

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL036454.D

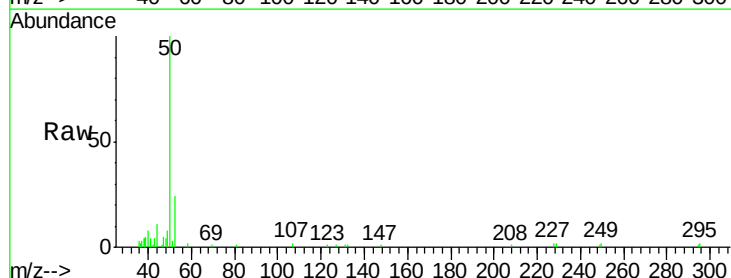
Acq: 19 Mar 2021 19:09

Tgt Ion: 50 Resp: 38301

Ion Ratio Lower Upper

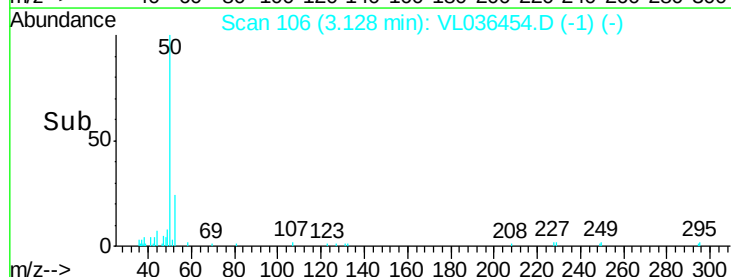
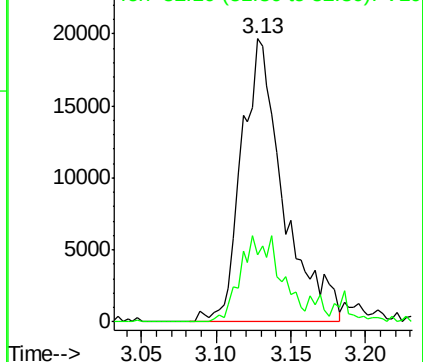
50 100

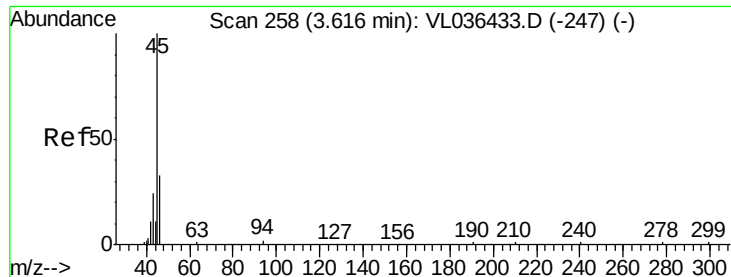
52 23.8 24.6 36.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





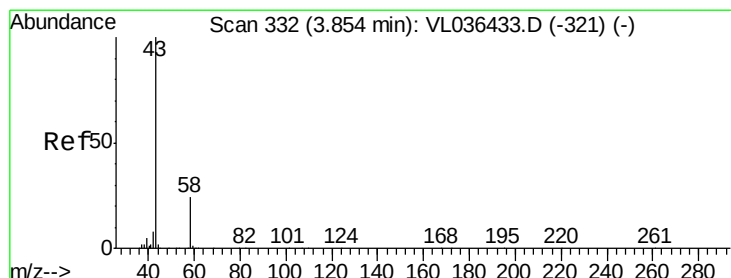
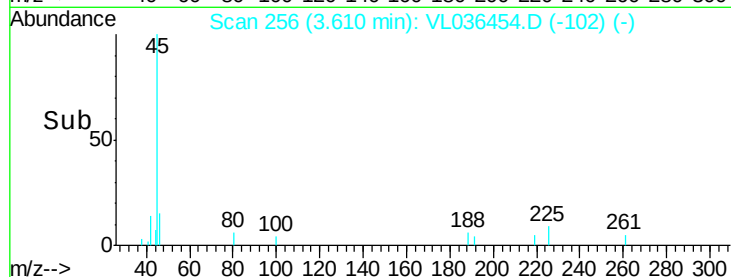
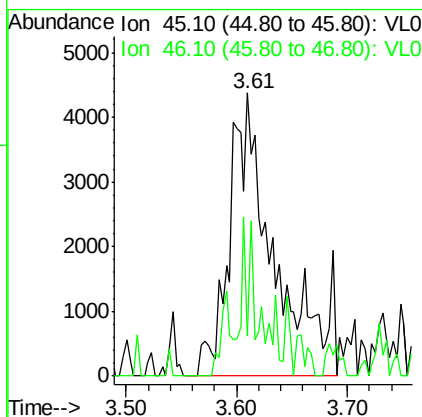
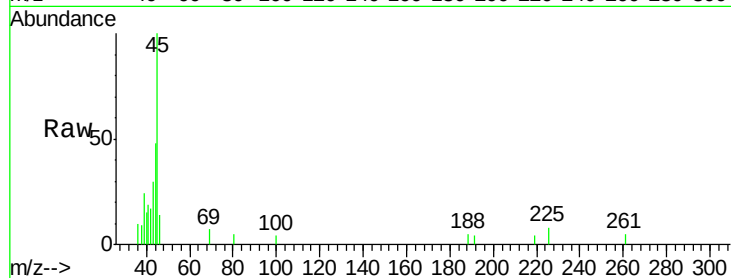
#13
Ethanol
Concen: 0.955 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
QC031821 CAN 10044

Tot Ion: 45 Resp: 12099
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.4#

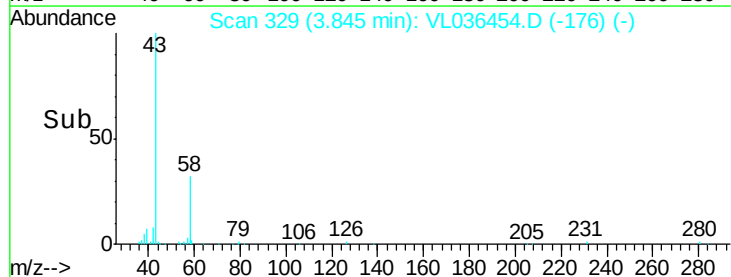
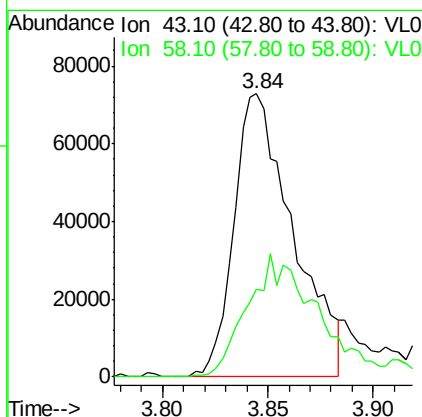
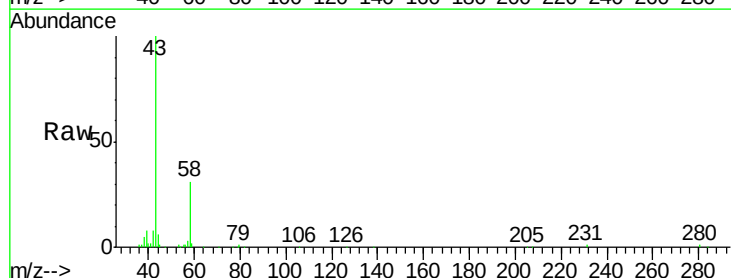
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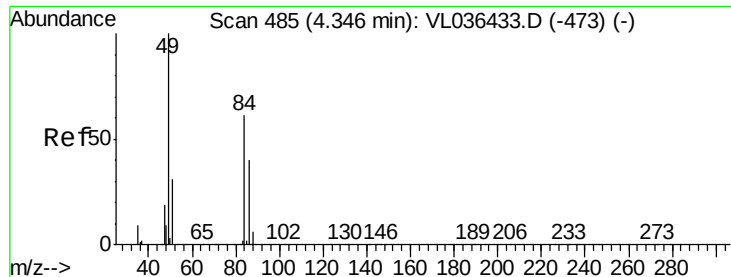
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#15
Acetone
Concen: 0.775 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

Tgt Ion: 43 Resp: 141911
Ion Ratio Lower Upper
43 100
58 54.7 21.0 31.6#





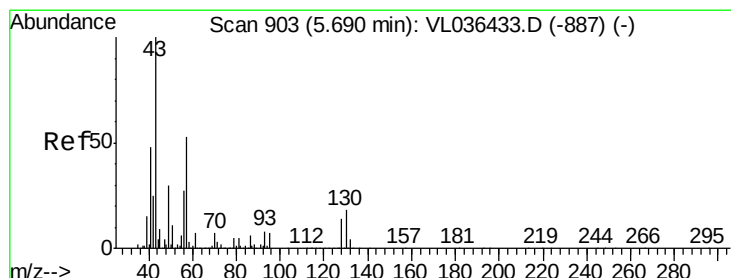
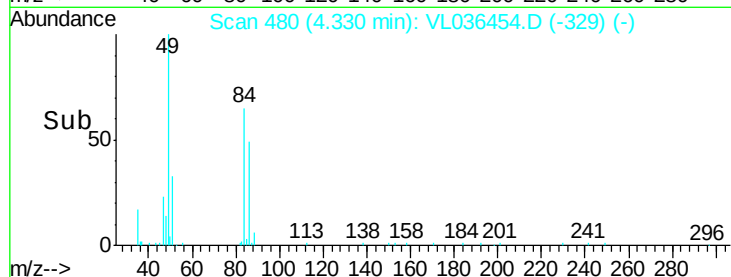
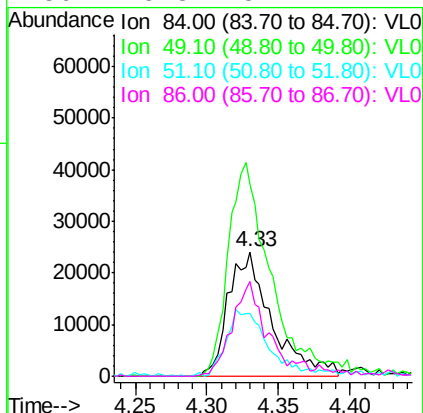
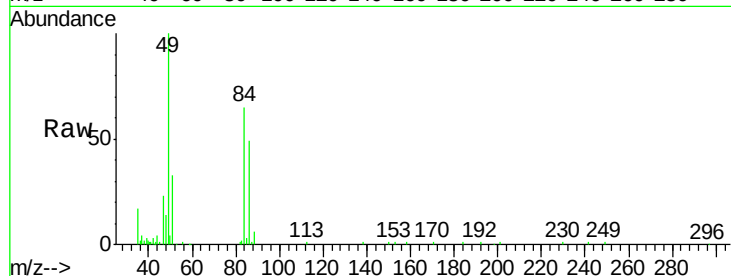
#20
Methvlene Chloride
Concen: 0.818 ppbv m
RT: 4.33 min Scan# 480
Delta R.T. -0.02 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :
QC031821 CAN 10044

Tot Ion:	84	Resp:	50503
Ion	Ratio	Lower	Upper
84	100		
49	153.7	130.2	195.2
51	50.1	40.5	60.7
86	75.8	51.4	77.2

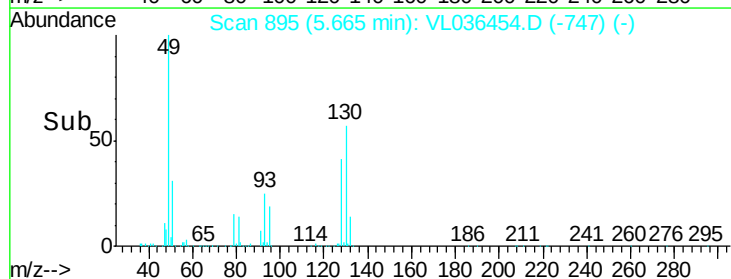
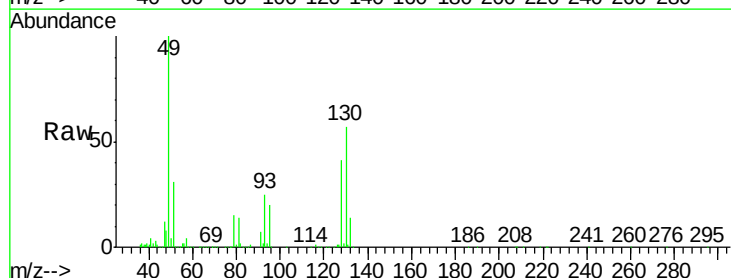
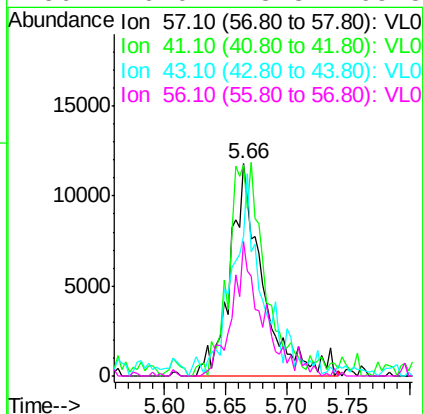
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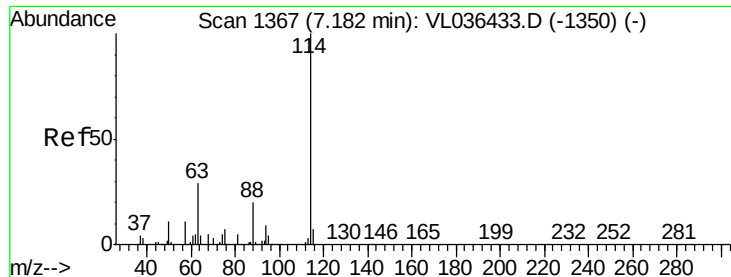
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#26
Hexane
Concen: 0.150 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

Tgt Ion:	57	Resp:	21790
Ion	Ratio	Lower	Upper
57	100		
41	0.0	80.4	120.6#
43	0.0	199.8	299.6#
56	0.0	43.8	65.8#





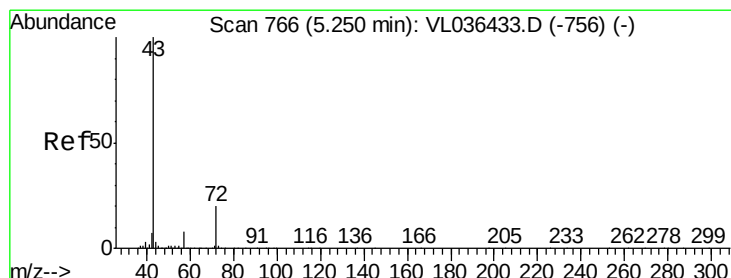
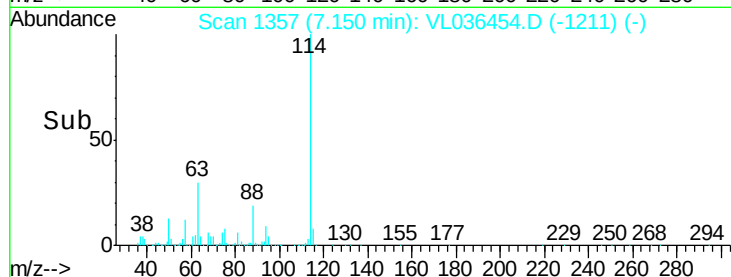
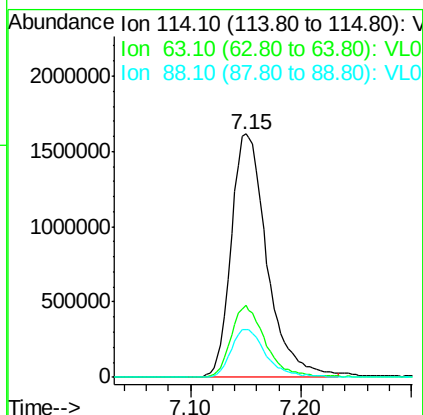
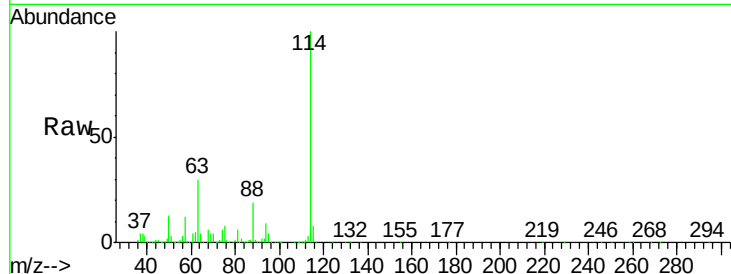
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VL036454.D
 Acq: 19 Mar 2021 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 QC031821 CAN 10044

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.7	23.3	34.9
88	19.4	15.6	23.4

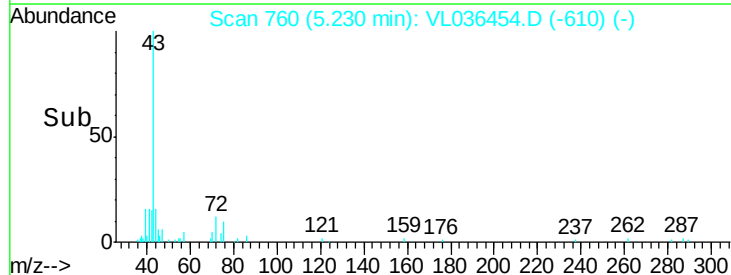
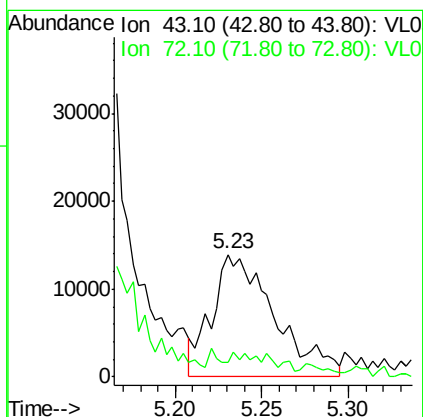
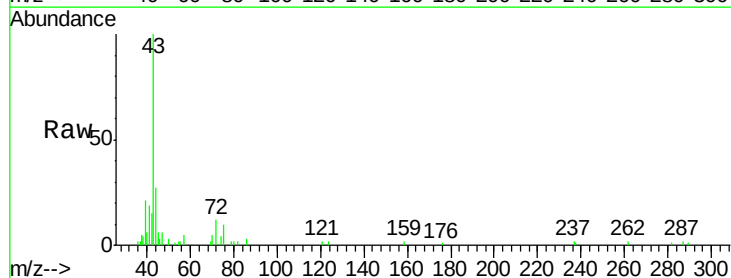
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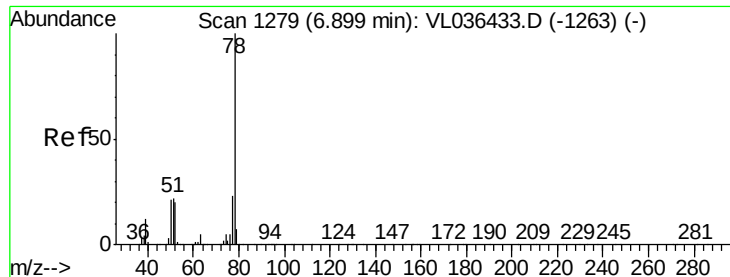
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#34
 2-Butanone
 Concen: 0.159 ppbv m
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL036454.D
 Acq: 19 Mar 2021 19:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#





#36

Benzene

Concen: 0.109 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VL036454.D

Acq: 19 Mar 2021 19:09

Instrument :

MSVOA_L

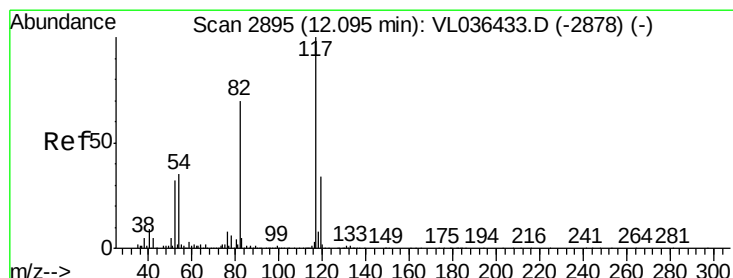
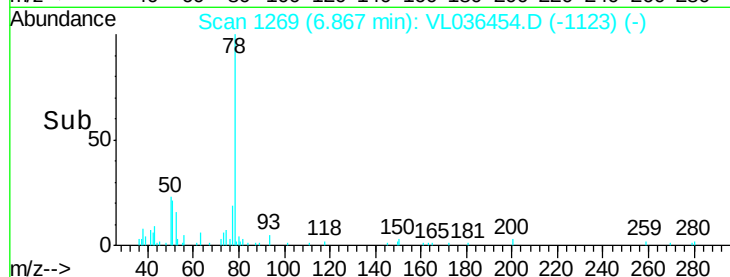
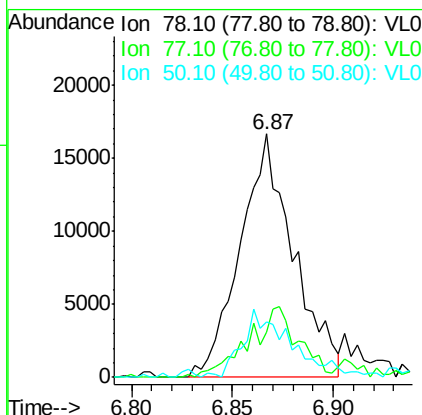
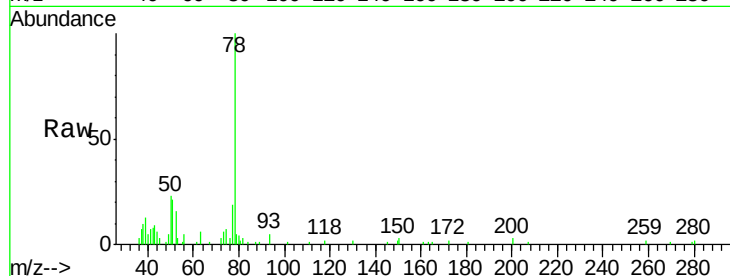
ClientSampleId :

QC031821 CAN 10044

Tot Ion:	78	Resp:	30758
Ion Ratio	Lower	Upper	
78	100		
77	17.5	18.1	27.1#
50	19.4	16.8	25.2

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

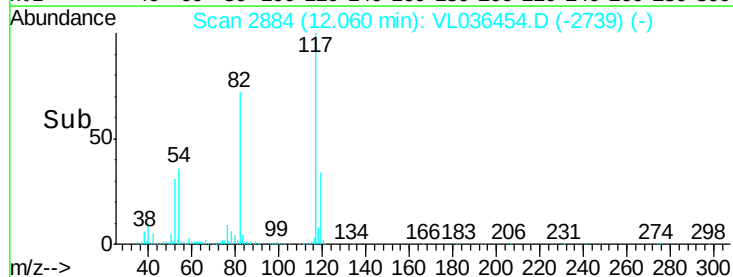
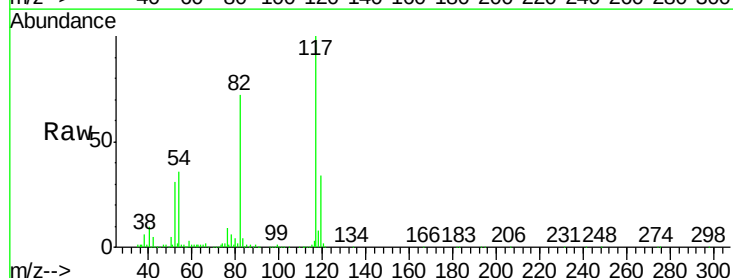
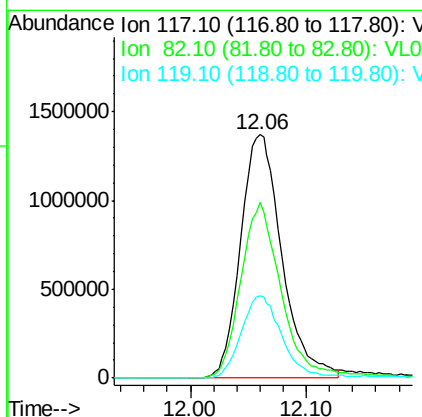
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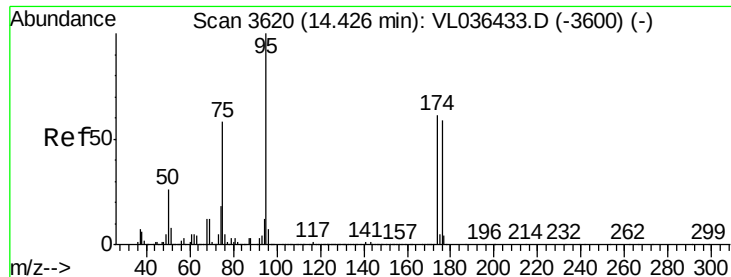
Delta R.T. -0.04 min

Lab File: VL036454.D

Acq: 19 Mar 2021 19:09

Tgt Ion:	117	Resp:	3388255
Ion Ratio	Lower	Upper	
117	100		
82	73.3	56.5	84.7
119	34.2	27.0	40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.702 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL036454.D

Acq: 19 Mar 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

QC031821 CAN 10044

Tot Ion: 95 Resp: 2703424

Ion Ratio Lower Upper

95 100

174 66.8 51.0 76.4

175 5.1 3.8 5.6

Manual Integrations

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