

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036883.D
 Acq On : 28 Apr 2021 17:21
 Operator : SY/AP
 Sample : M2201-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

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 4/29/2021 5:53:36 PM

Quant Time: Apr 29 03:39:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1451360	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3344118	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3012293	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2284531	9.45	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	242574	3.011	ppbv #	66
13) Ethanol	3.62	45	1242481	120.941	ppbv	92
15) Acetone	3.88	43	355046	2.596	ppbv	92
19) Isopropyl Alcohol	4.00	45	64223m	0.948	ppbv	
20) Methylene Chloride	4.36	84	181905	2.781	ppbv	97
26) Hexane	5.71	57	105618	0.676	ppbv #	41
34) 2-Butanone	5.27	43	19869	0.136	ppbv #	61
53) Toluene	9.83	91	55779m	0.189	ppbv	

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

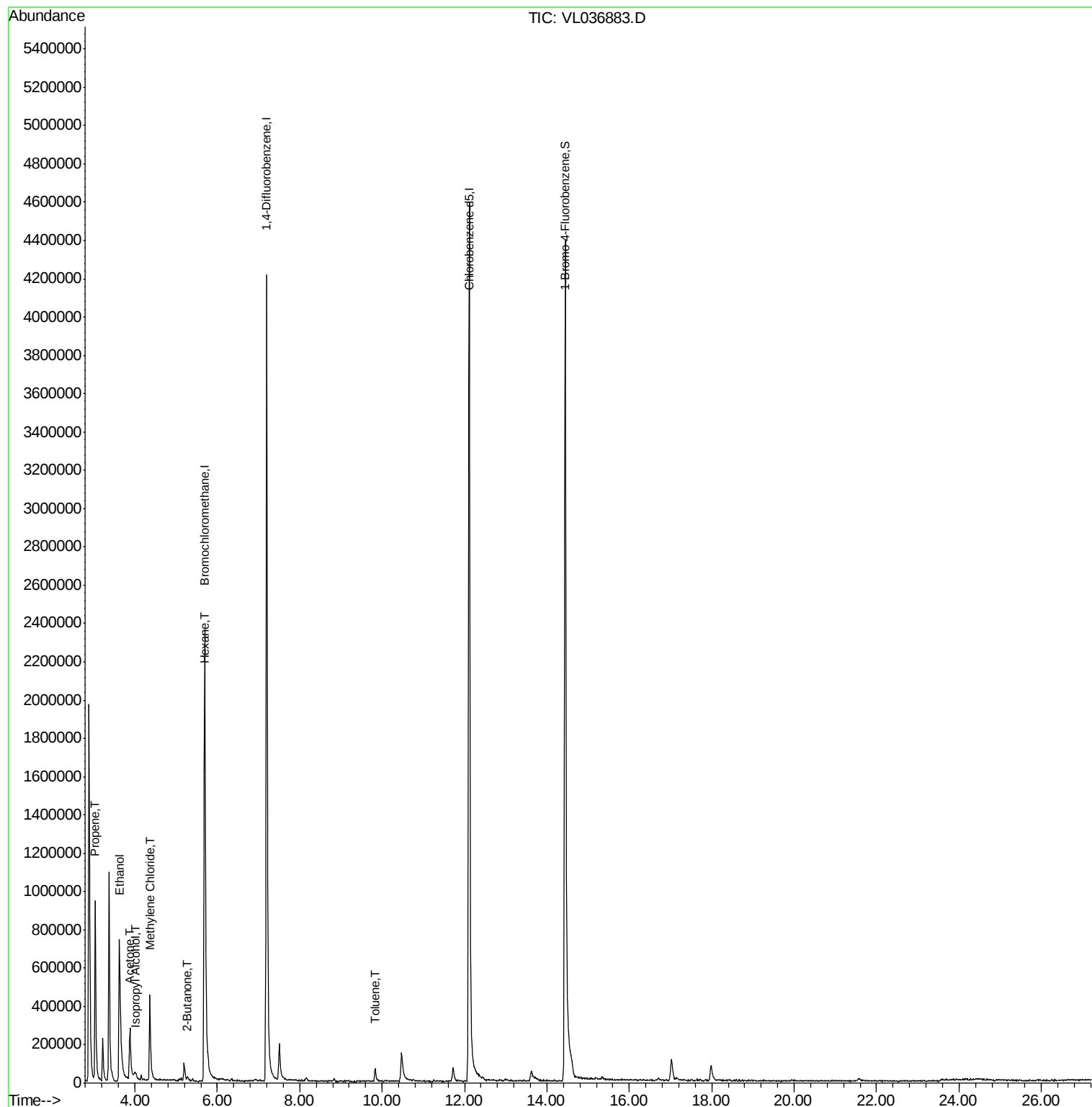
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042821\
Data File : VL036883.D
Acq On : 28 Apr 2021 17:21
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

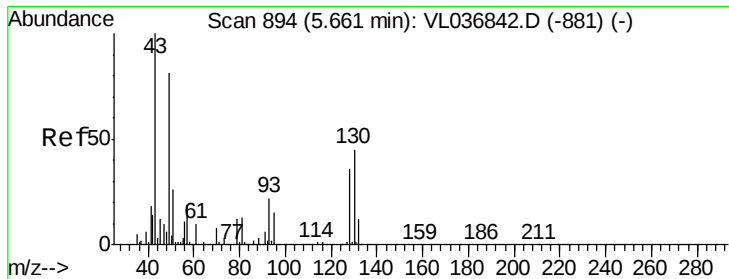
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Apr 29 03:39:02 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL036883.D

Acq: 28 Apr 2021 17:21

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 49 Resp: 1451360

Ion Ratio Lower Upper

49 100

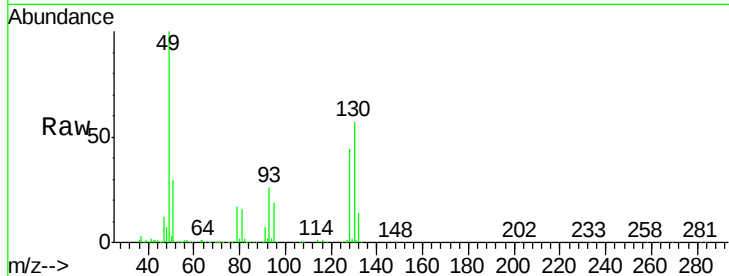
128 46.0 24.4 73.2

130 58.6 30.3 90.8

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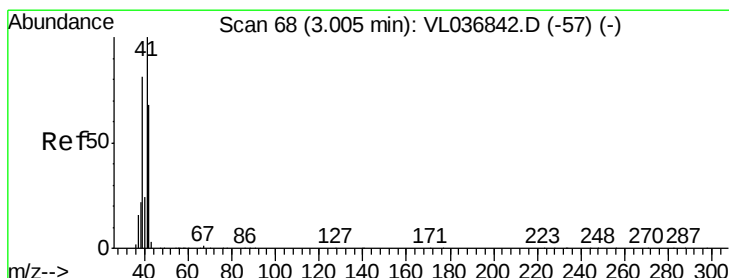
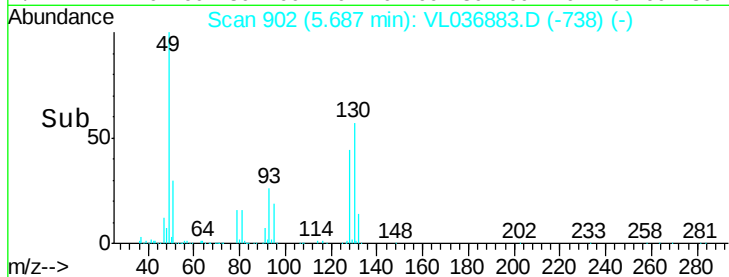
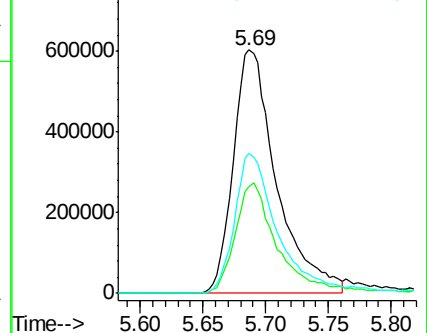
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 3.011 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL036883.D

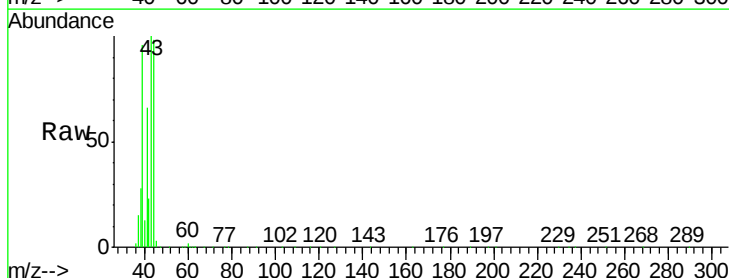
Acq: 28 Apr 2021 17:21

Tgt Ion: 41 Resp: 242574

Ion Ratio Lower Upper

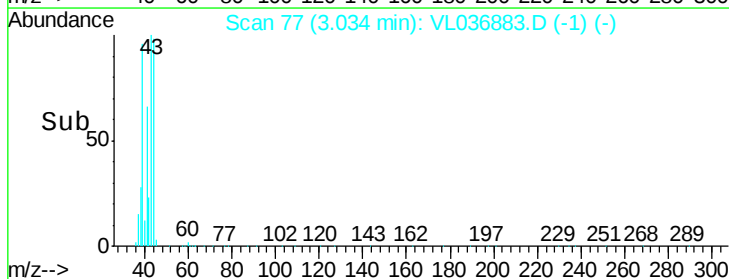
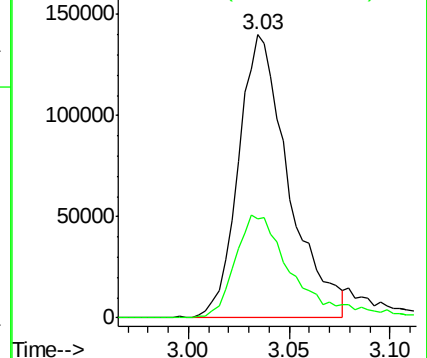
41 100

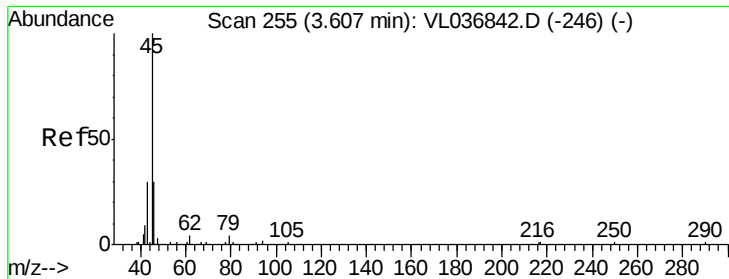
42 42.2 56.0 84.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





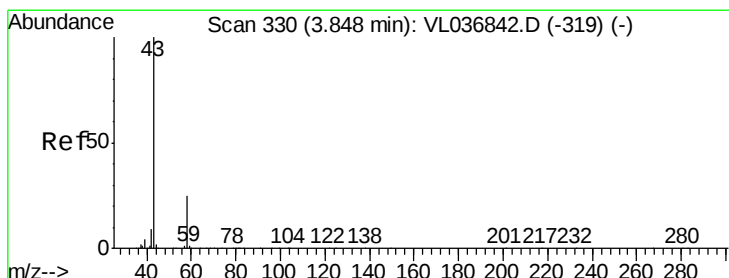
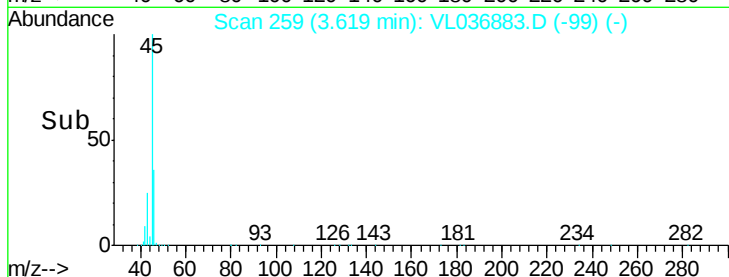
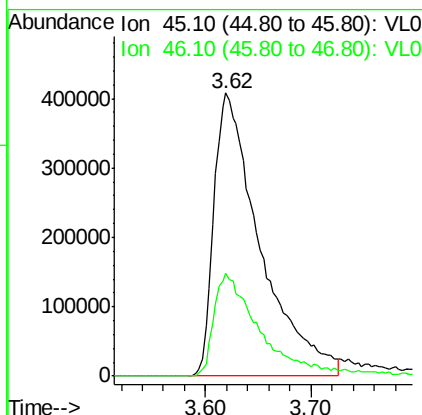
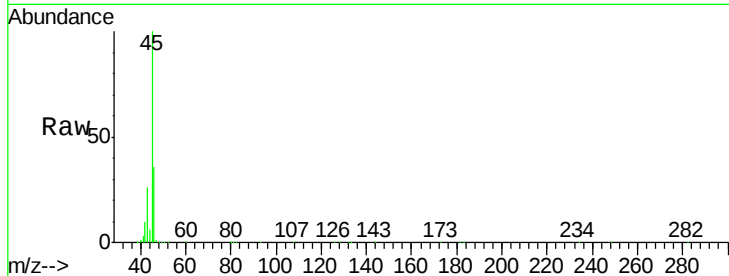
#13
Ethanol
Concen: 120.941 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036883.D
Acq: 28 Apr 2021 17:21

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion: 45 Resp: 1242481
Ion Ratio Lower Upper
45 100
46 37.1 16.8 67.4

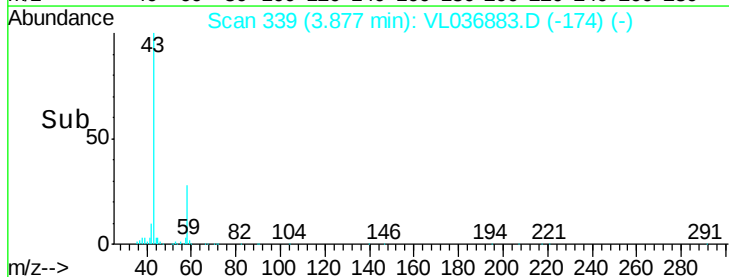
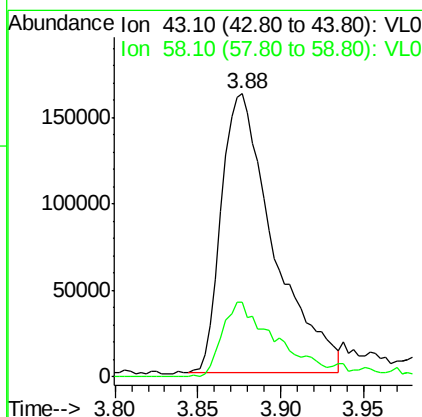
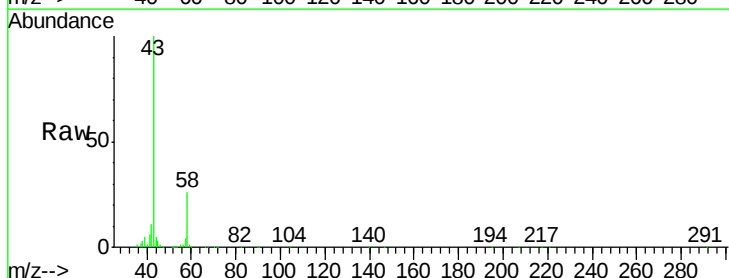
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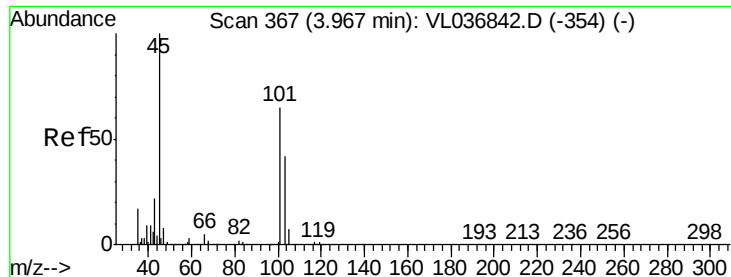
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#15
Acetone
Concen: 2.596 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.03 min
Lab File: VL036883.D
Acq: 28 Apr 2021 17:21

Tgt Ion: 43 Resp: 355046
Ion Ratio Lower Upper
43 100
58 31.3 21.7 32.5





#19

Isopropyl Alcohol

Concen: 0.948 ppbv m

RT: 4.00 min Scan# 378

Delta R.T. 0.04 min

Lab File: VL036883.D

Acq: 28 Apr 2021 17:21

Instrument :

MSVOA_L

ClientSampled :

IA2DL

Tot Ion: 45 Resp: 64223

Ion Ratio Lower Upper

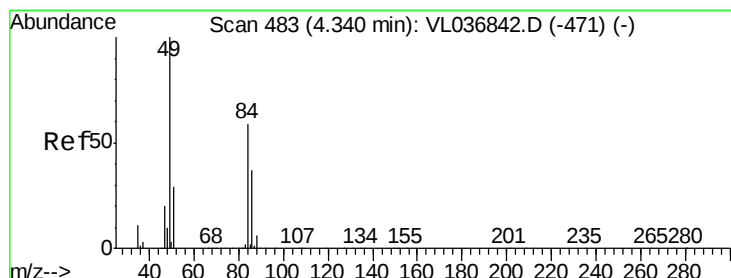
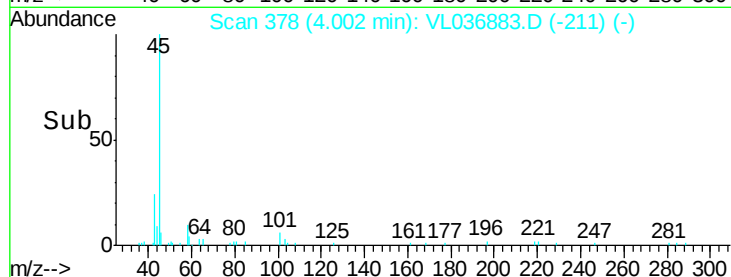
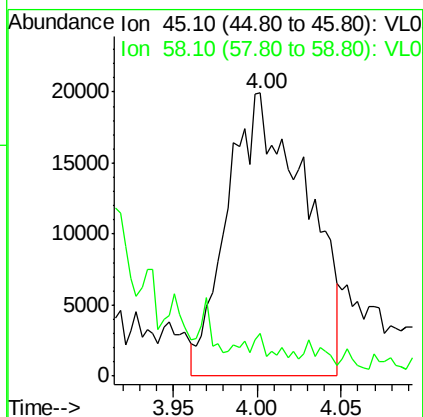
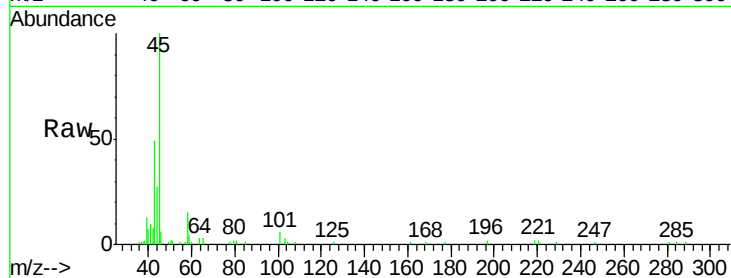
45 100

58 171.7 2.8 4.2#

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#20

Methylene Chloride

Concen: 2.781 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL036883.D

Acq: 28 Apr 2021 17:21

Tgt Ion: 84 Resp: 181905

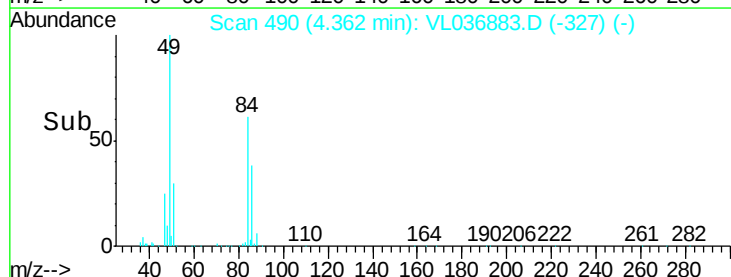
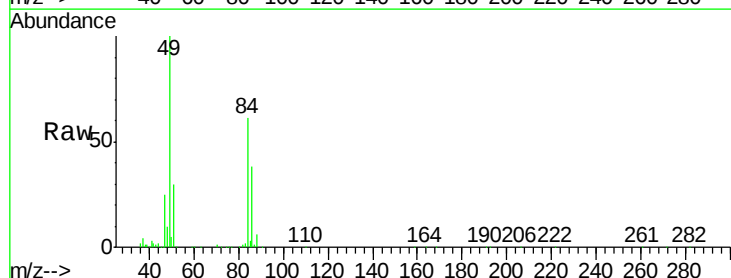
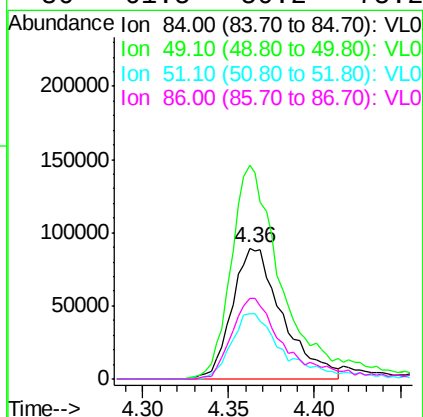
Ion Ratio Lower Upper

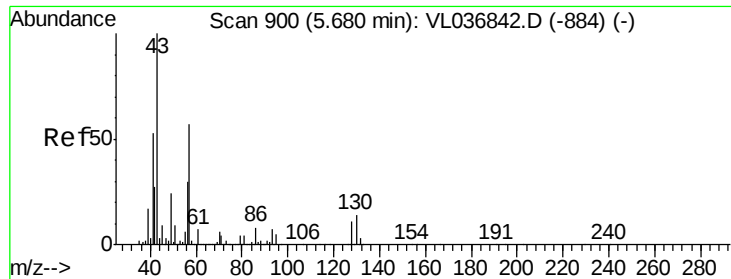
84 100

49 162.7 135.4 203.0

51 49.7 39.3 58.9

86 61.5 50.2 75.2





#26

Hexane

Concen: 0.676 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.03 min

Lab File: VL036883.D

Acq: 28 Apr 2021 17:21

Instrument :

MSVOA_L

ClientSampled :

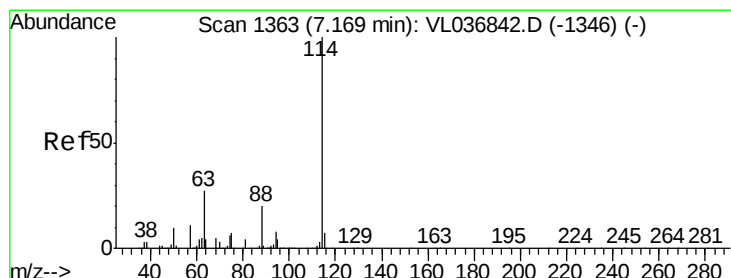
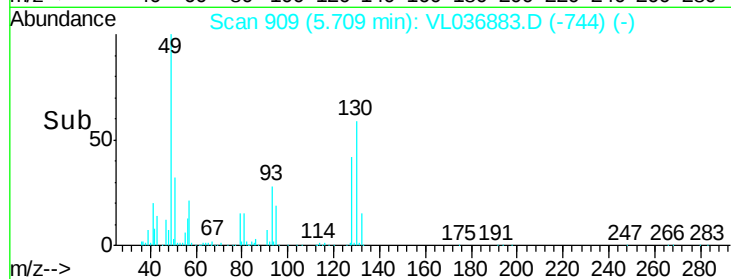
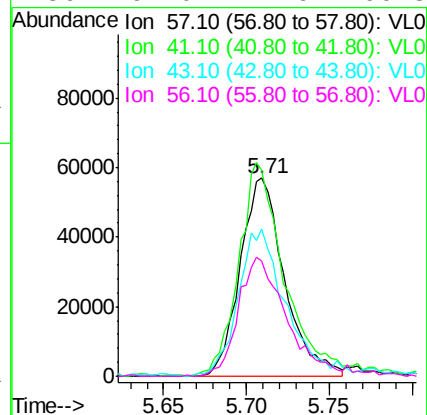
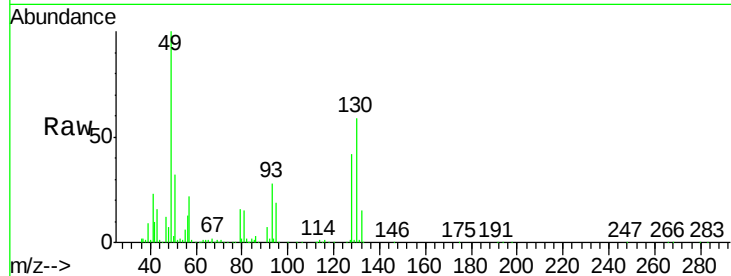
IA2DL

Tot Ion: 57 Resp: 105618

Ion	Ratio	Lower	Upper
57	100		
41	115.0	77.7	116.5
43	82.0	180.5	270.7#
56	67.0	44.6	66.8#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

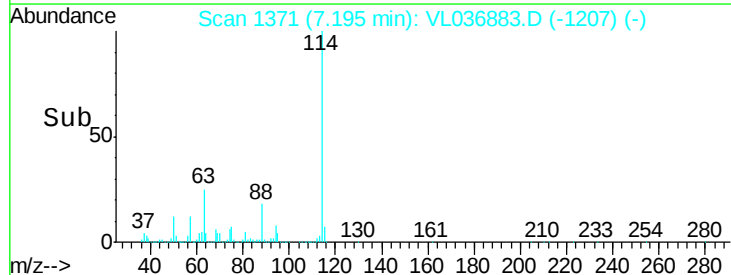
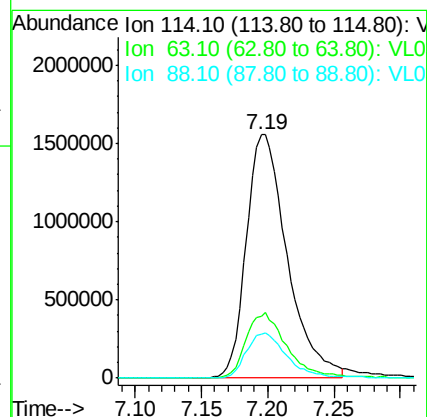
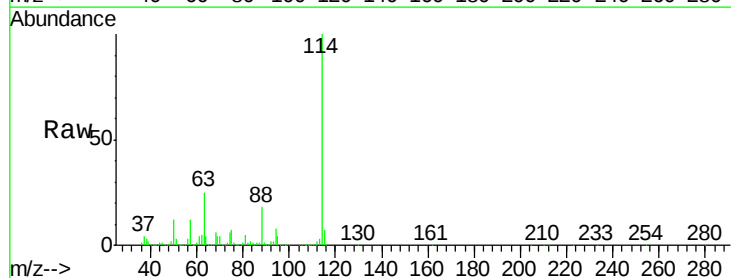
Delta R.T. 0.03 min

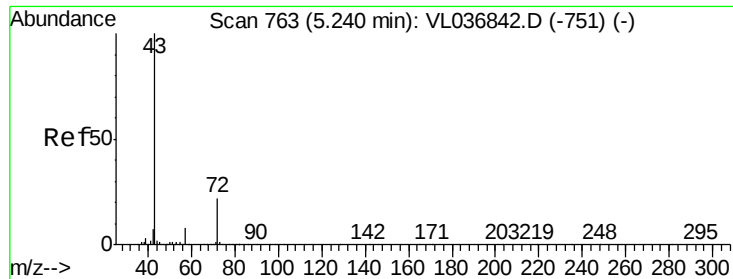
Lab File: VL036883.D

Acq: 28 Apr 2021 17:21

Tgt Ion: 114 Resp: 3344118

Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.9	32.9
88	18.9	15.1	22.7





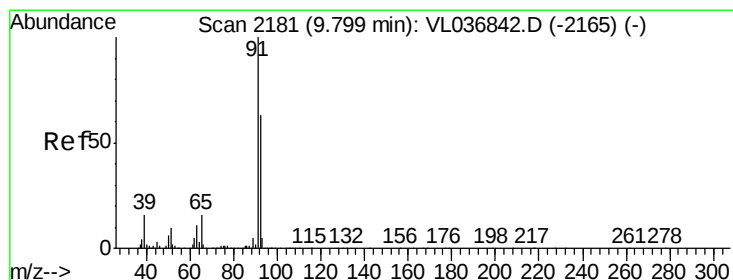
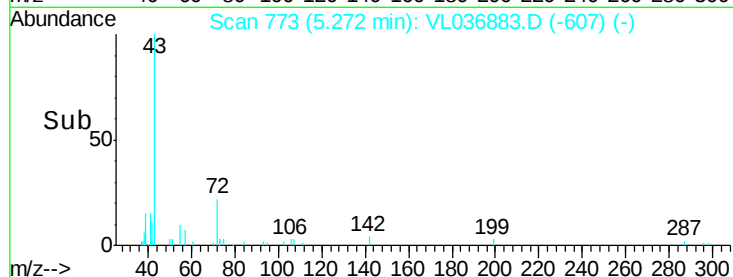
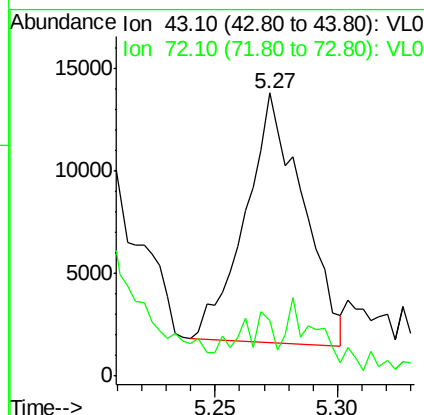
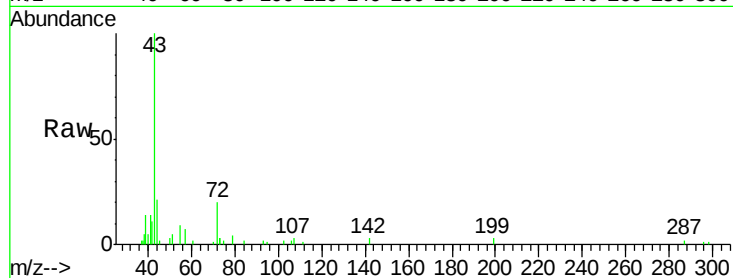
#34
2-Butanone
Concen: 0.136 ppbv
RT: 5.27 min Scan# 773
Delta R.T. 0.03 min
Lab File: VL036883.D
Acq: 28 Apr 2021 17:21

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion: 43 Resp: 19869
Ion Ratio Lower Upper
43 100
72 40.5 17.6 26.4#

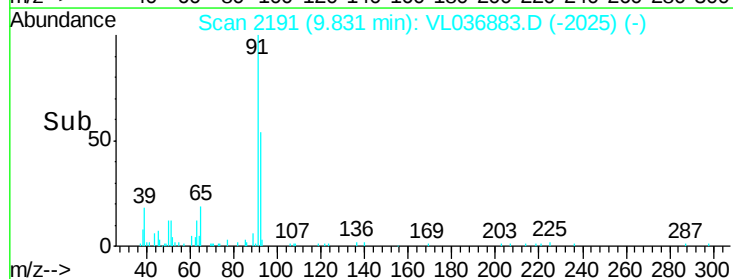
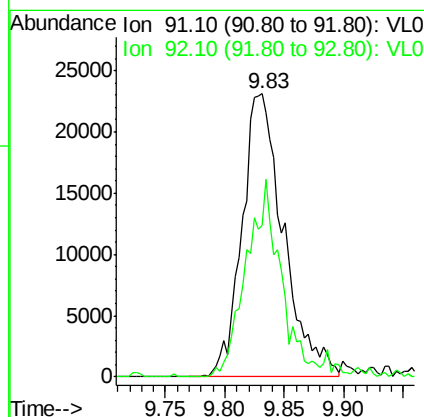
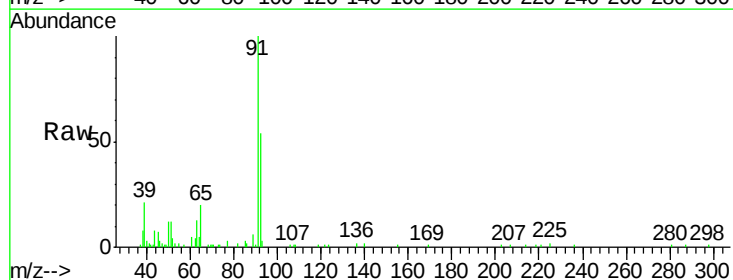
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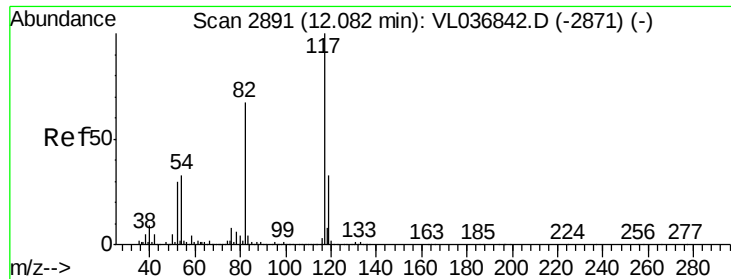
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#53
Toluene
Concen: 0.189 ppbv m
RT: 9.83 min Scan# 2191
Delta R.T. 0.03 min
Lab File: VL036883.D
Acq: 28 Apr 2021 17:21

Tgt Ion: 91 Resp: 55779
Ion Ratio Lower Upper
91 100
92 61.7 49.0 73.4





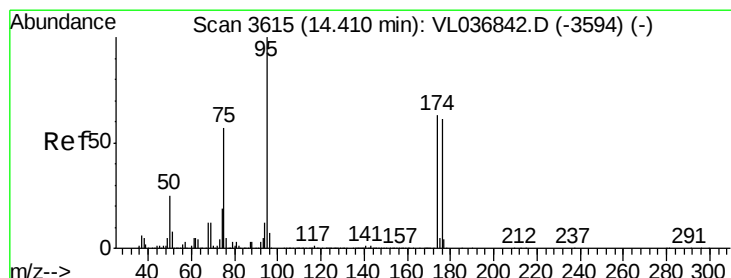
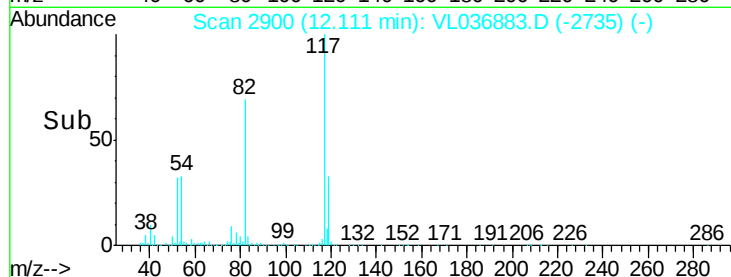
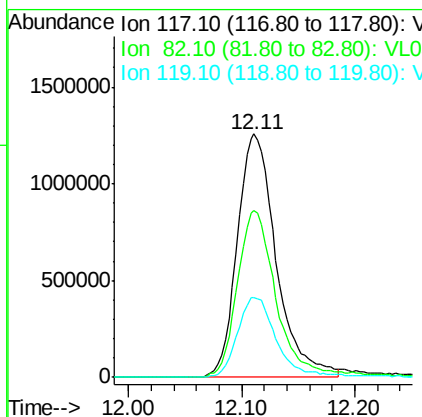
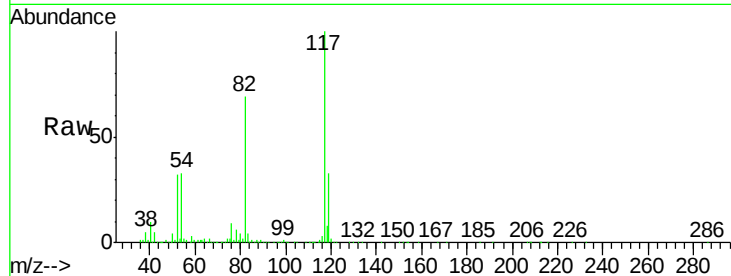
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.03 min
Lab File: VL036883.D
Acq: 28 Apr 2021 17:21

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion:117 Resp: 3012293
Ion Ratio Lower Upper
117 100
82 71.0 53.5 80.3
119 33.9 25.6 38.4

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.448 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. 0.03 min
Lab File: VL036883.D
Acq: 28 Apr 2021 17:21

Tgt Ion: 95 Resp: 2284531
Ion Ratio Lower Upper
95 100
174 69.3 52.2 78.2
175 4.8 4.0 6.0

