

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036881.D
 Acq On : 28 Apr 2021 16:01
 Operator : SY/AP
 Sample : M2201-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

MMDadoda
 4/29/2021 5:53:40 PM

Quant Time: Apr 29 03:31:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 28 16:00:41 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	1499017	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3457573	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3062602	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2439200	9.92	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	382449m	4.597	ppbv	
13) Ethanol	3.64	45	17628650	1661.386	ppbv	99
15) Acetone	3.87	43	421650	2.984	ppbv	94
17) tert-Butyl alcohol	4.34	59	41400m	0.361	ppbv	
20) Methylene Chloride	4.36	84	159637	2.363	ppbv	96
26) Hexane	5.71	57	101863	0.631	ppbv #	40

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

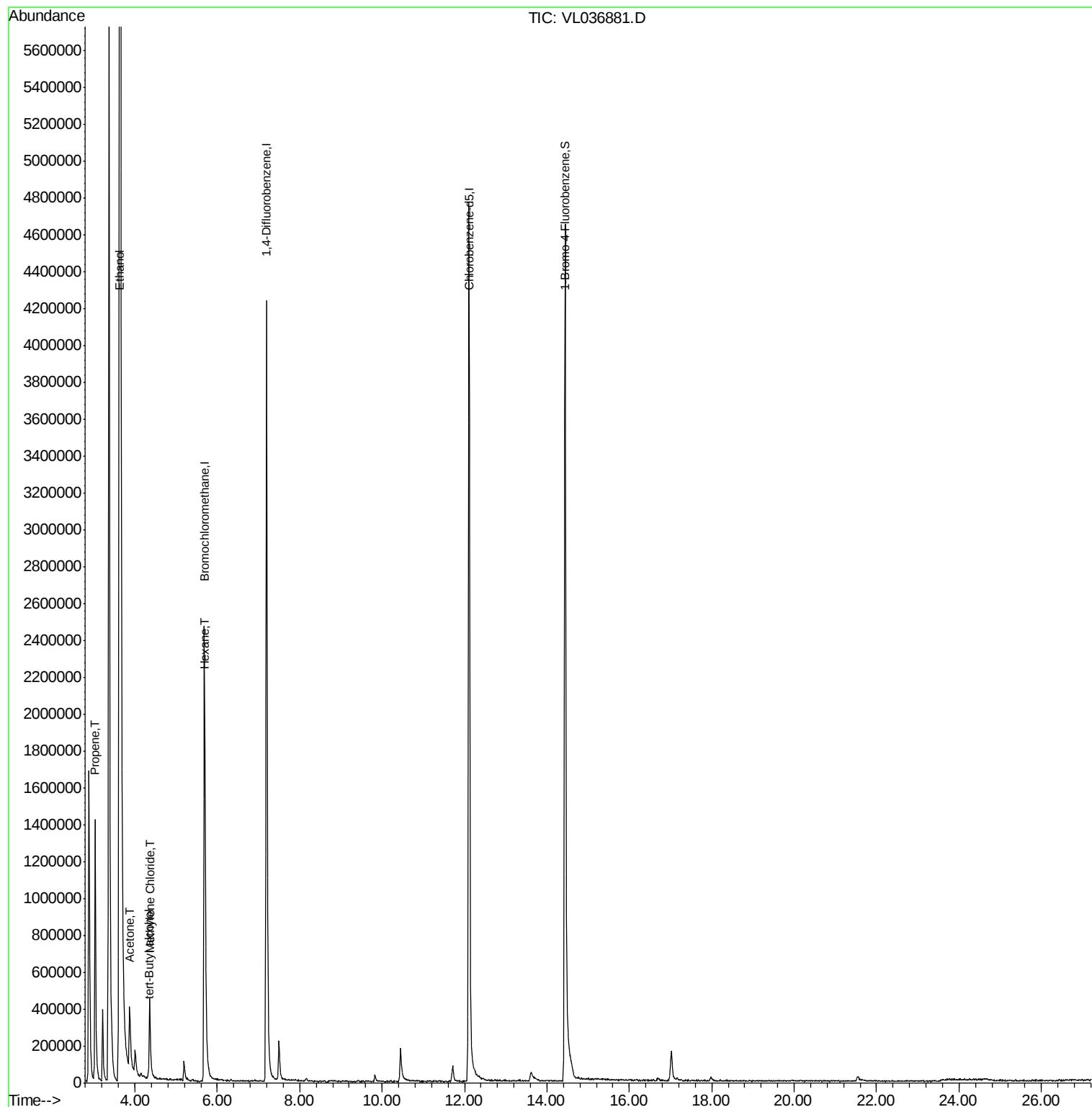
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042821\
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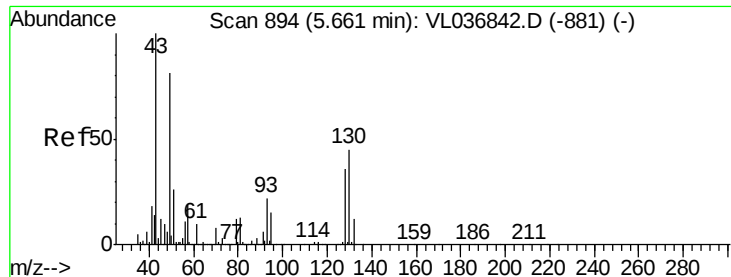
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Apr 29 03:31:13 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL036881.D

Acq: 28 Apr 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 49 Resp: 1499017

Ion Ratio Lower Upper

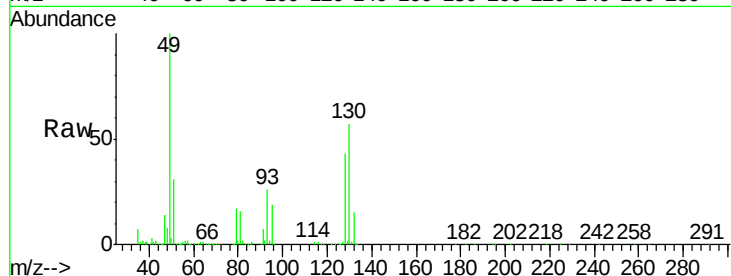
49 100

128 45.9 24.4 73.2

130 59.6 30.3 90.8

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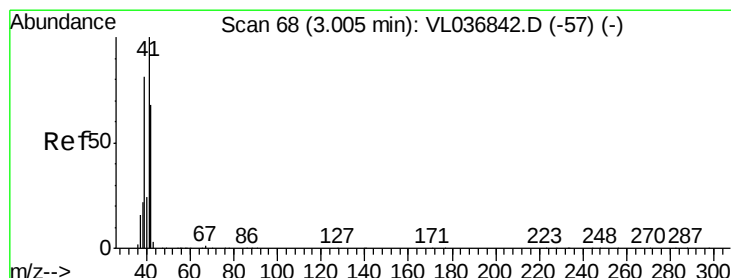
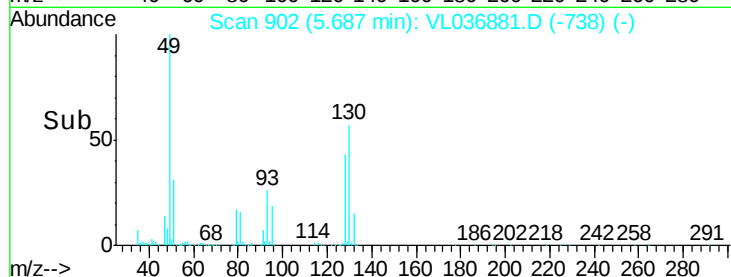
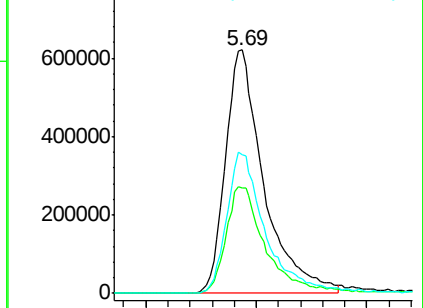
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 4.597 ppbv m

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL036881.D

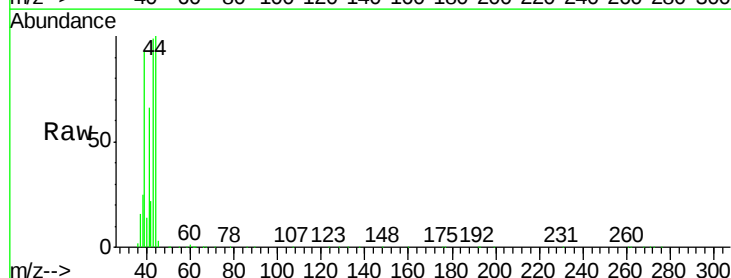
Acq: 28 Apr 2021 16:01

Tgt Ion: 41 Resp: 382449

Ion Ratio Lower Upper

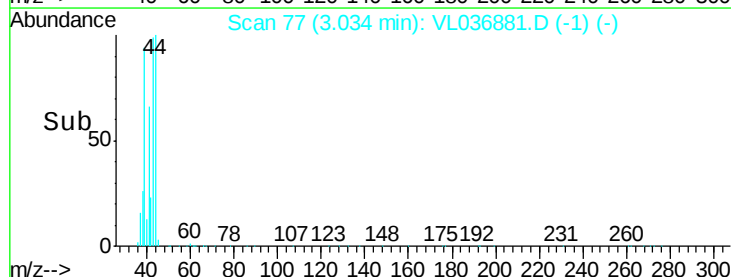
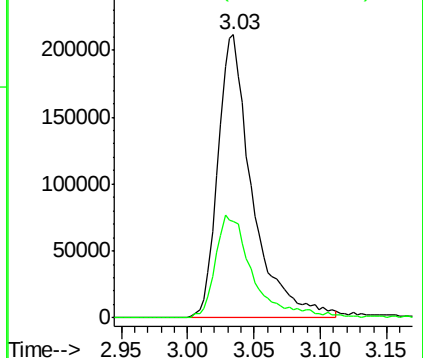
41 100

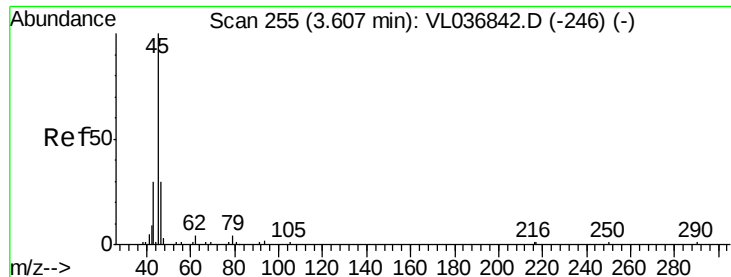
42 23.4 56.0 84.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





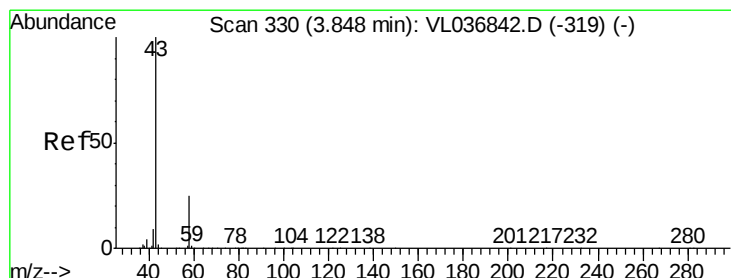
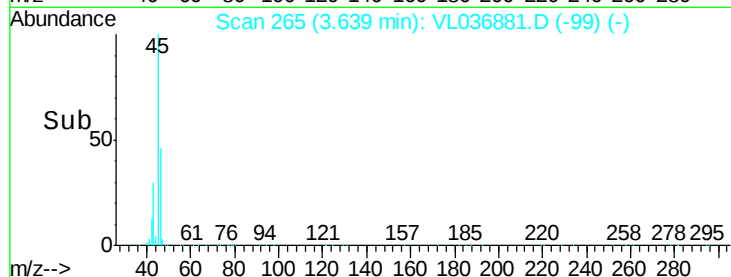
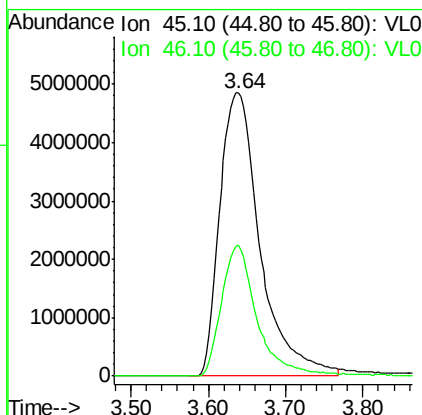
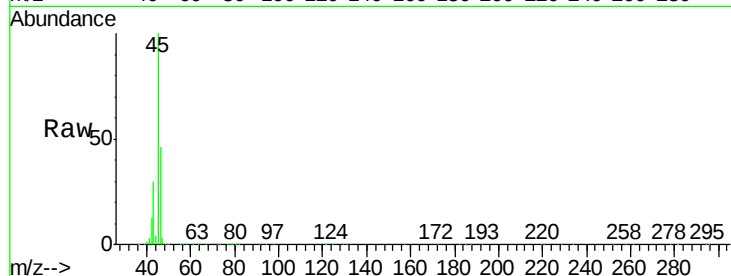
#13
Ethanol
Concen: 1661.386 ppbv
RT: 3.64 min Scan# 265
Delta R.T. 0.03 min
Lab File: VL036881.D
Acq: 28 Apr 2021 16:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion: 45 Resp: 17628650
Ion Ratio Lower Upper
45 100
46 41.4 16.8 67.4

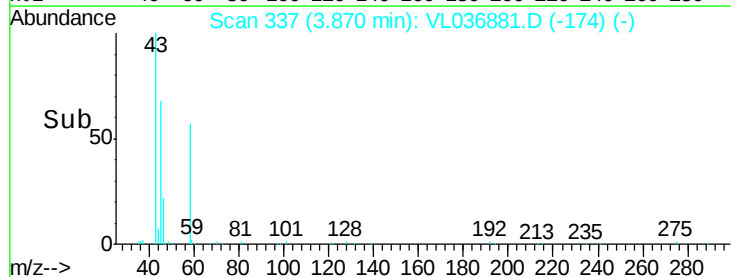
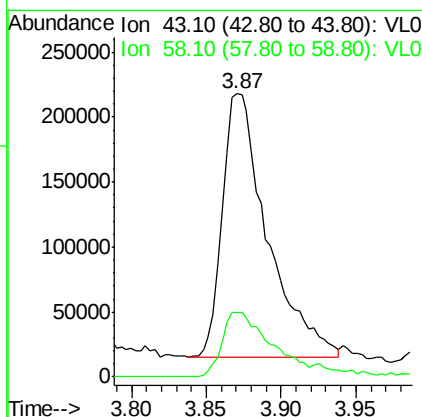
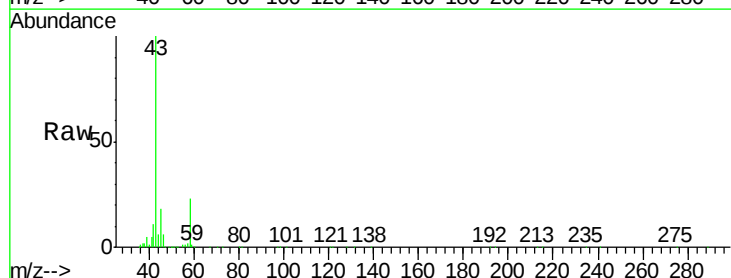
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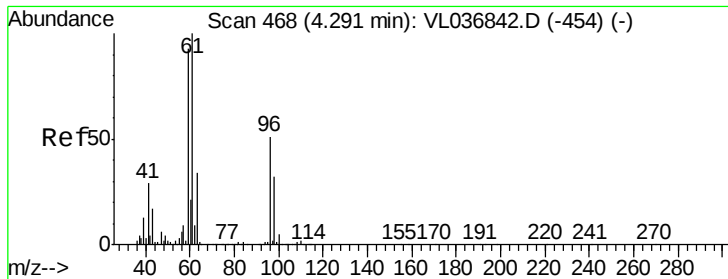
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#15
Acetone
Concen: 2.984 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL036881.D
Acq: 28 Apr 2021 16:01

Tgt Ion: 43 Resp: 421650
Ion Ratio Lower Upper
43 100
58 30.1 21.7 32.5





#17

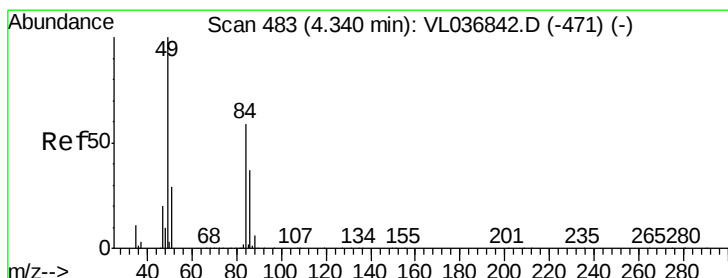
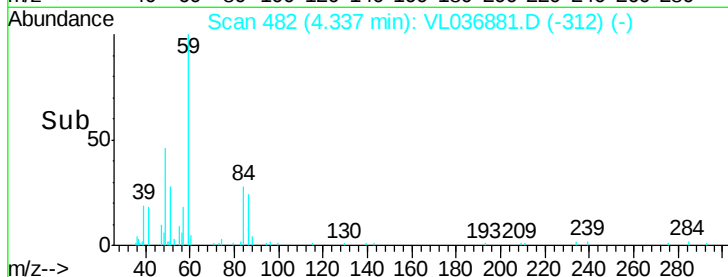
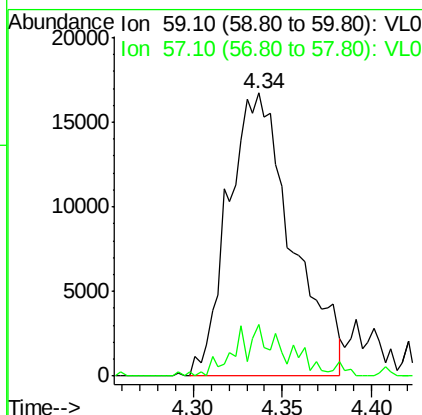
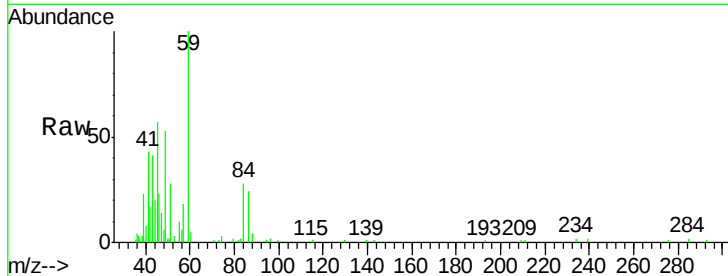
tert-Butyl alcohol
Concen: 0.361 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.05 min
Lab File: VL036881.D
Acq: 28 Apr 2021 16:01

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion	Resp	Lower	Upper
59	100		
57	0.0	8.3	12.5#

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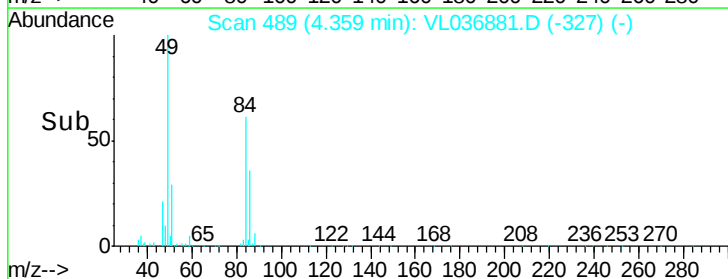
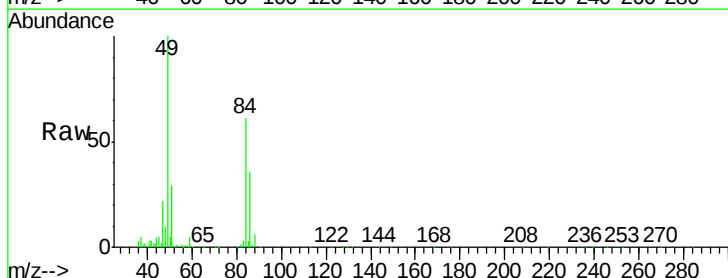
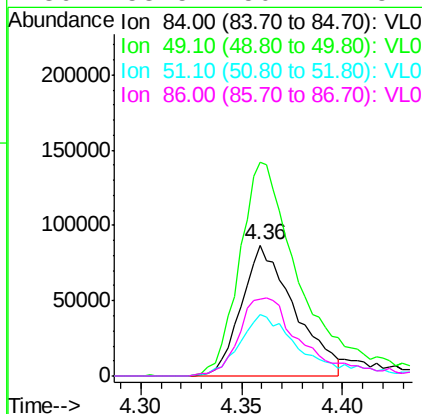
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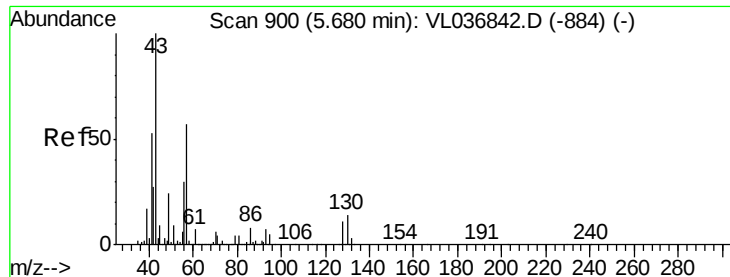


#20

Methylene Chloride
Concen: 2.363 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL036881.D
Acq: 28 Apr 2021 16:01

Tgt Ion	Resp	Lower	Upper
84	100		
49	163.4	135.4	203.0
51	46.6	39.3	58.9
86	58.5	50.2	75.2





#26

Hexane

Concen: 0.631 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.03 min

Lab File: VL036881.D

Acq: 28 Apr 2021 16:01

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 57 Resp: 101863

Ion Ratio Lower Upper

57 100

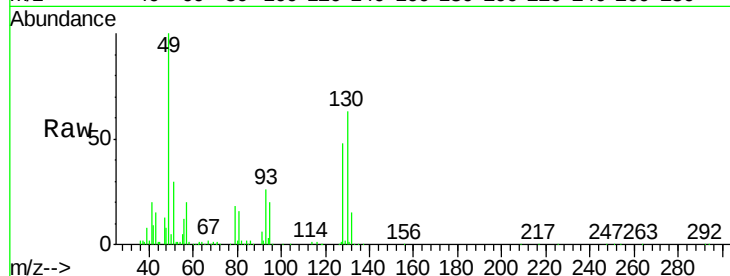
41 115.5 77.7 116.5

43 80.6 180.5 270.7#

56 68.5 44.6 66.8#

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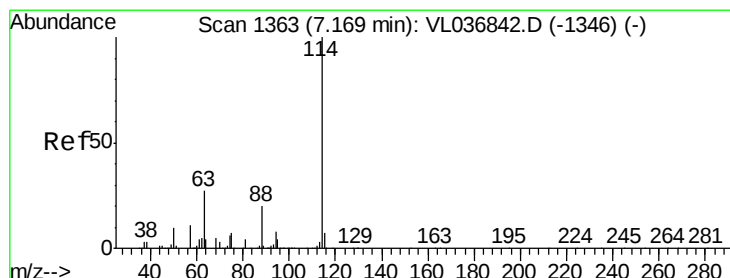
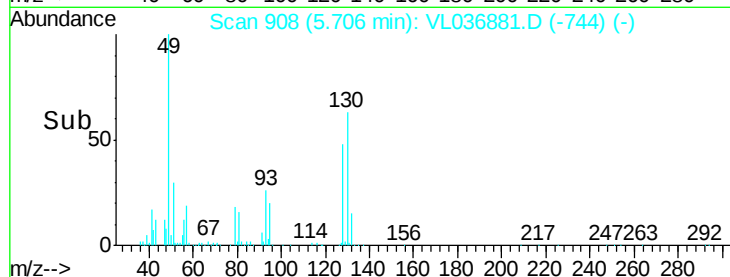
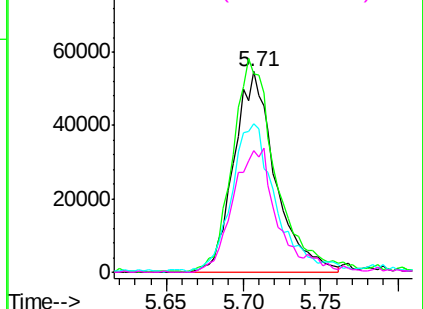


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. 0.03 min

Lab File: VL036881.D

Acq: 28 Apr 2021 16:01

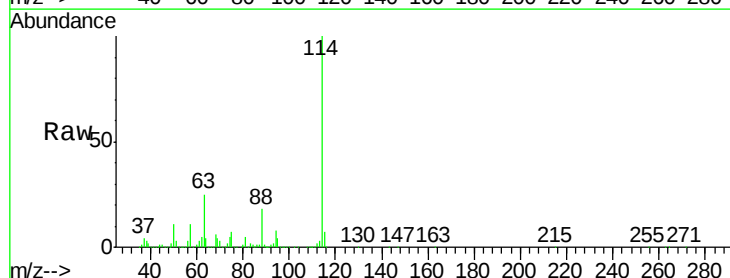
Tgt Ion: 114 Resp: 3457573

Ion Ratio Lower Upper

114 100

63 26.5 21.9 32.9

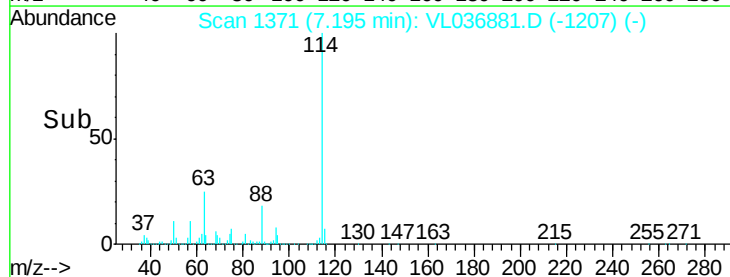
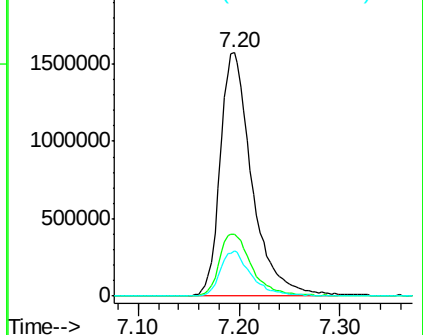
88 18.3 15.1 22.7

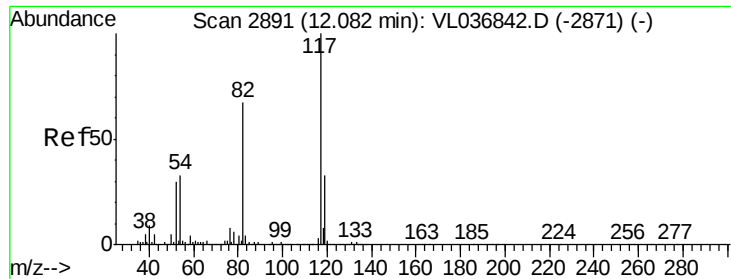


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





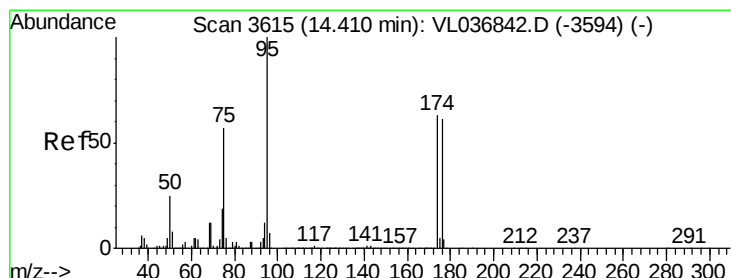
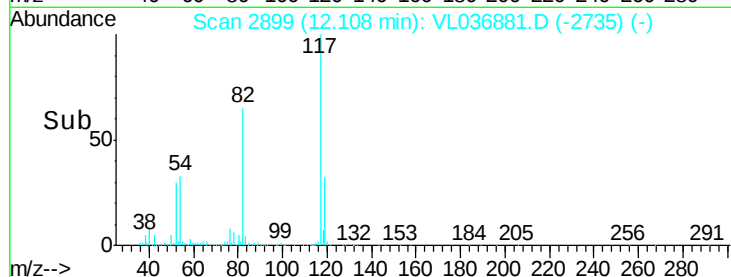
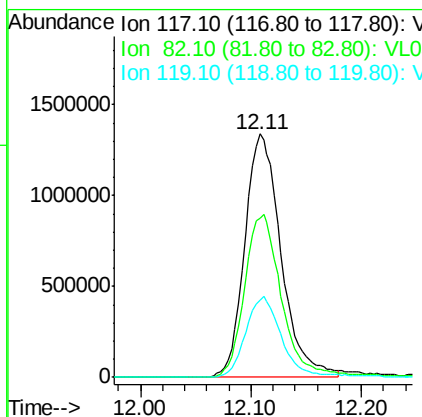
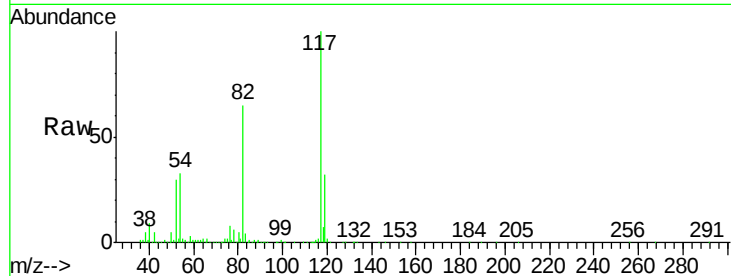
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.03 min
Lab File: VL036881.D
Acq: 28 Apr 2021 16:01

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.3	53.5	80.3
119	33.6	25.6	38.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.922 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. 0.03 min
Lab File: VL036881.D
Acq: 28 Apr 2021 16:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.2	52.2	78.2
175	4.6	4.0	6.0

