

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035071.D
 Acq On : 20 May 2020 8:34
 Operator : SY/AP
 Sample : L2712-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

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 5/20/2020 4:28:37 PM

Quant Time: May 20 10:08:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1201480	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2776403	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2621350	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2228754	10.50	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	11158m	0.187	ppbv	
15) Acetone	3.81	43	1503177	9.463	ppbv	96
17) tert-Butyl alcohol	4.27	59	76007	0.538	ppbv	95
34) 2-Butanone	5.22	43	169425	0.982	ppbv	98

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

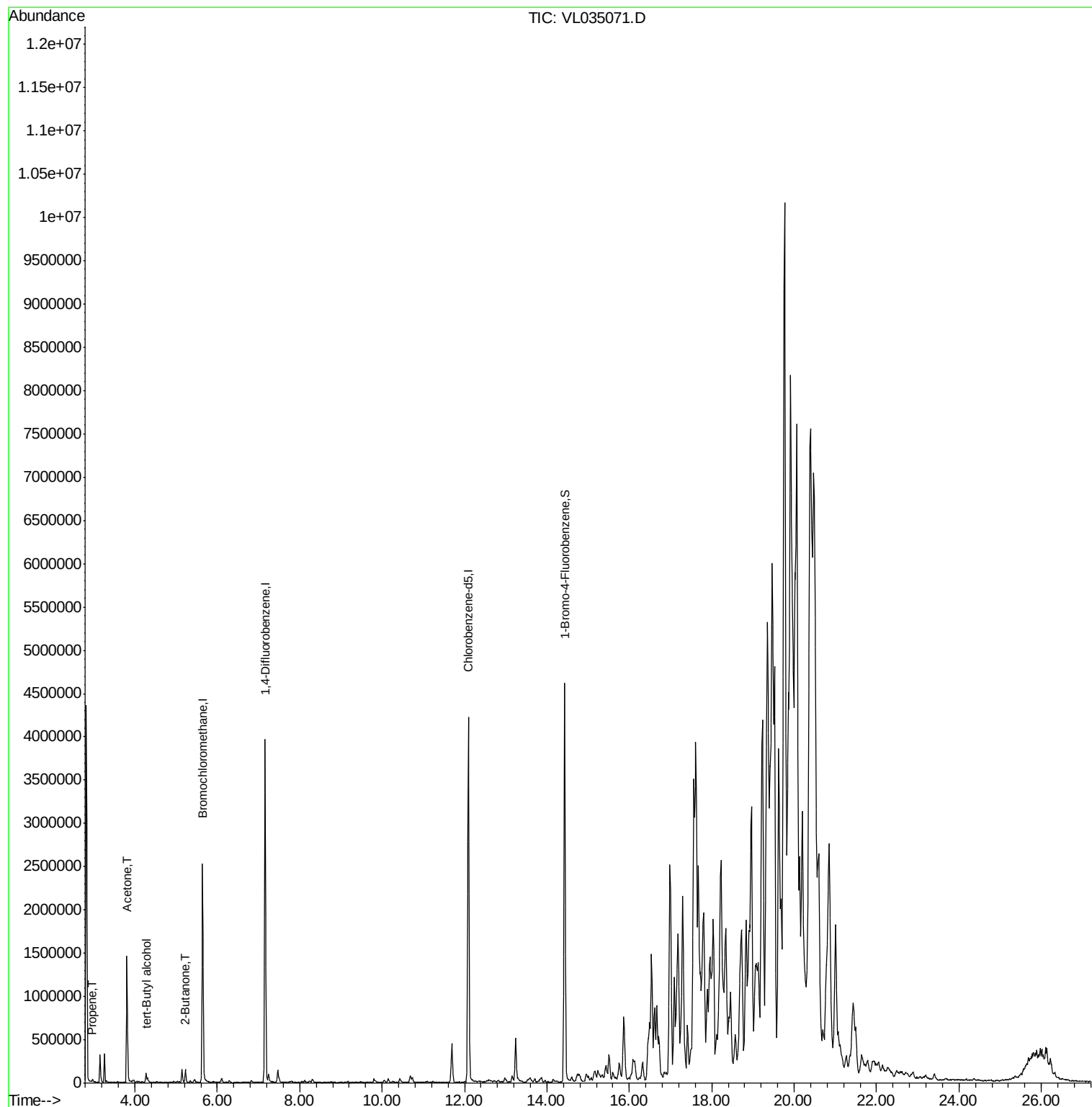
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
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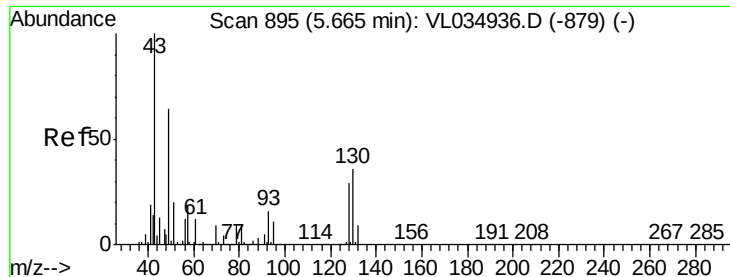
Instrument :
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Quant Time: May 20 10:08:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035071.D

Acq: 20 May 2020 8:34

Instrument :

MSVOA_L

ClientSampled :

SV2DL

Tot Ion: 49 Resp: 1201480

Ion Ratio Lower Upper

49 100

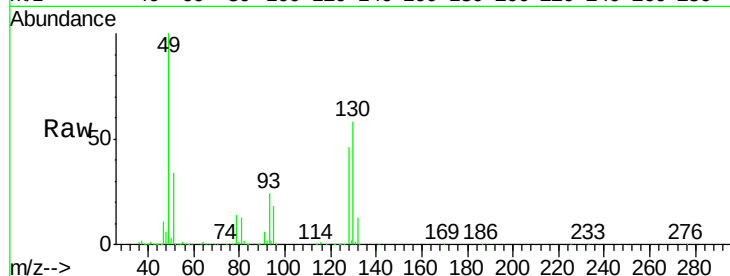
128 44.9 22.1 66.5

130 58.0 29.1 87.3

Manual Integrations
APPROVED

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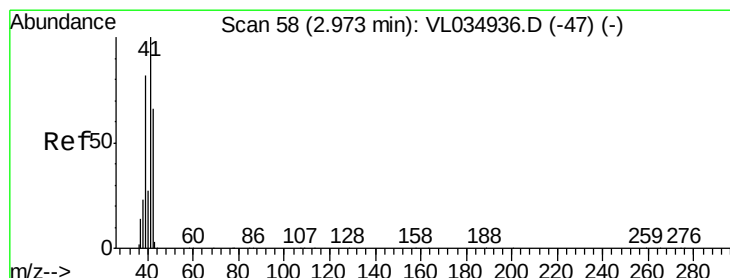
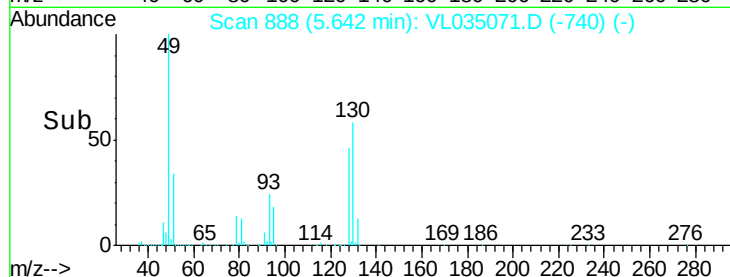
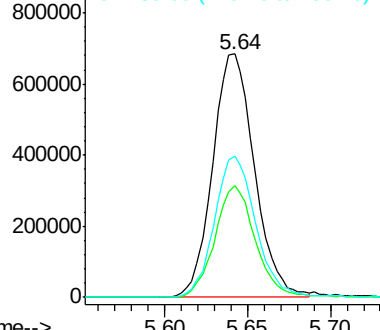
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.187 ppbv m

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035071.D

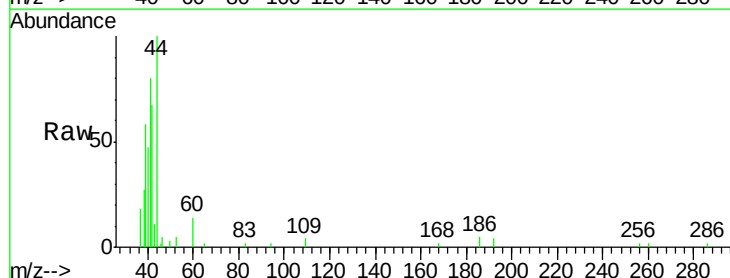
Acq: 20 May 2020 8:34

Tgt Ion: 41 Resp: 11158

Ion Ratio Lower Upper

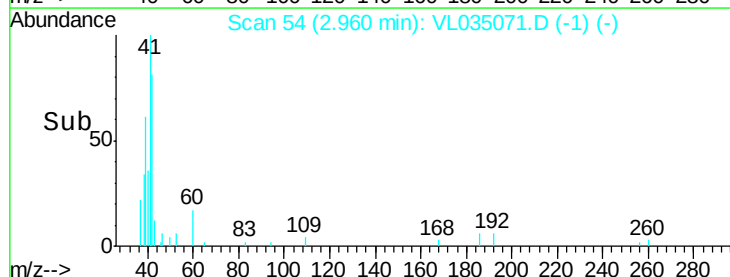
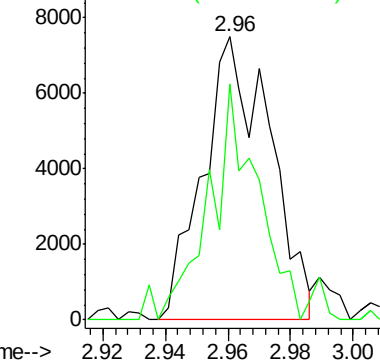
41 100

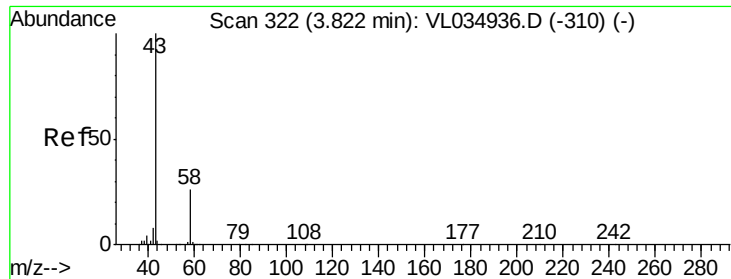
42 15.9 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





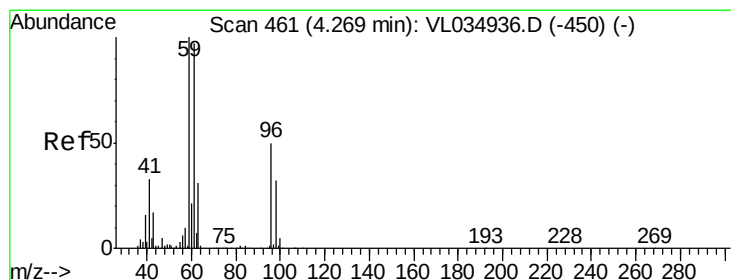
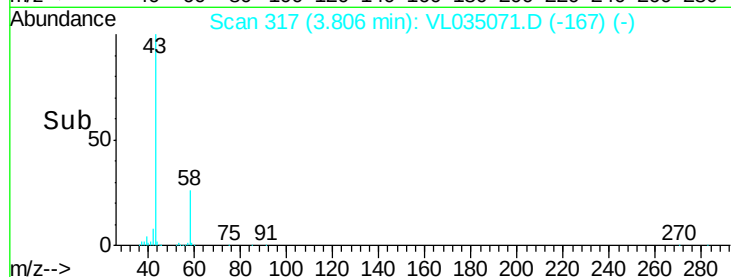
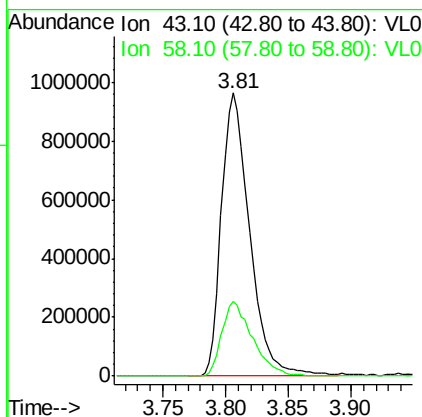
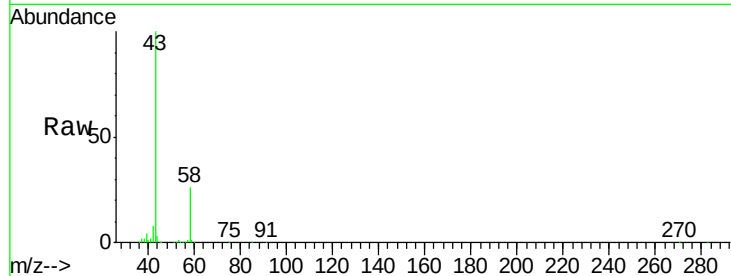
#15
Acetone
Concen: 9.463 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.02 min
Lab File: VL035071.D
Acq: 20 May 2020 8:34

Instrument :
MSVOA_L
ClientSampled :
SV2DL

Tot Ion: 43 Resp: 1503177
Ion Ratio Lower Upper
43 100
58 29.0 21.7 32.5

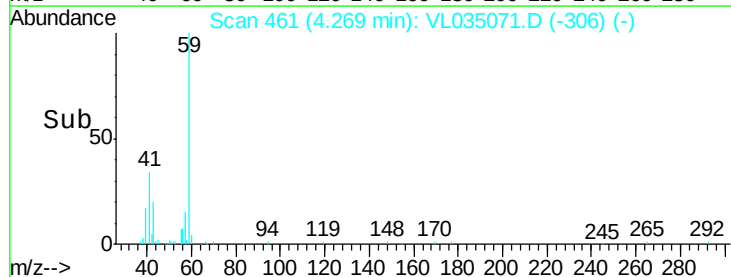
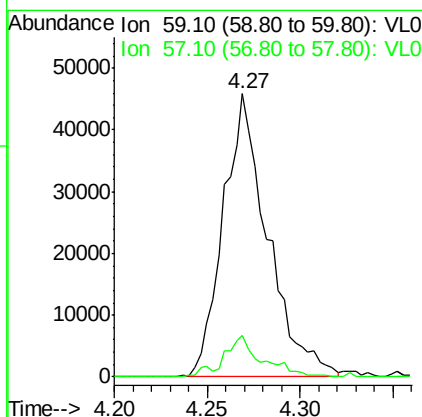
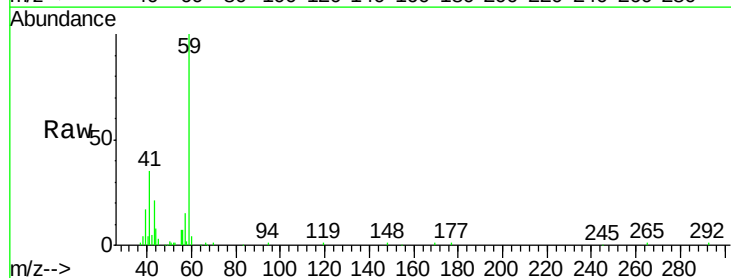
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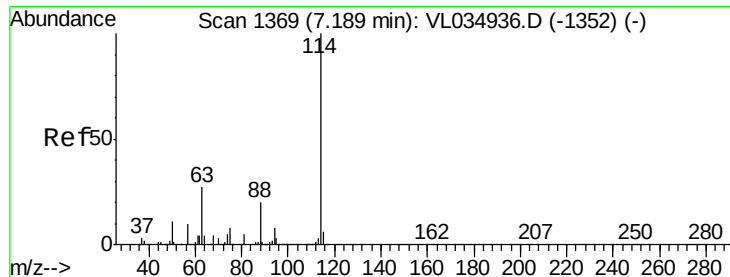
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#17
tert-Butyl alcohol
Concen: 0.538 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL035071.D
Acq: 20 May 2020 8:34

Tgt Ion: 59 Resp: 76007
Ion Ratio Lower Upper
59 100
57 12.7 8.7 13.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.03 min

Lab File: VL035071.D

Acq: 20 May 2020 8:34

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tot Ion:114 Resp: 2776403

Ion Ratio Lower Upper

114 100

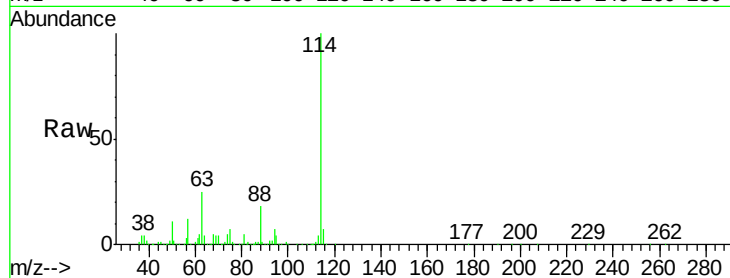
63 26.9 22.2 33.4

88 19.4 15.5 23.3

Manual Integrations
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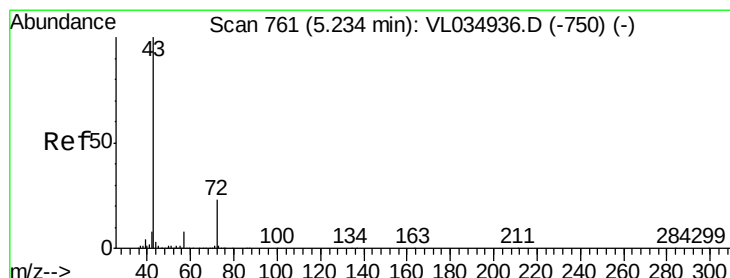
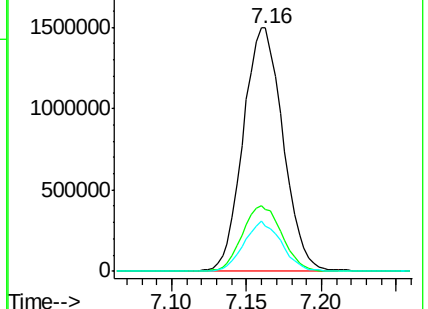
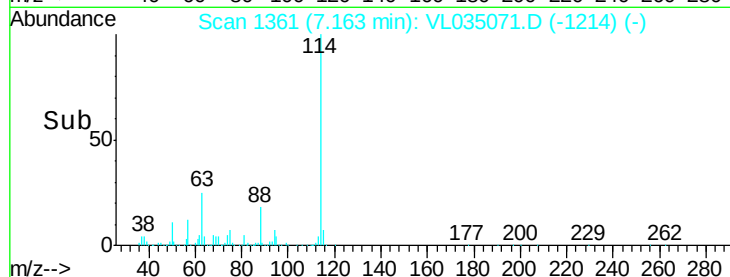
5/20/2020 4:28:37 PM



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



#34

2-Butanone

Concen: 0.982 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.01 min

Lab File: VL035071.D

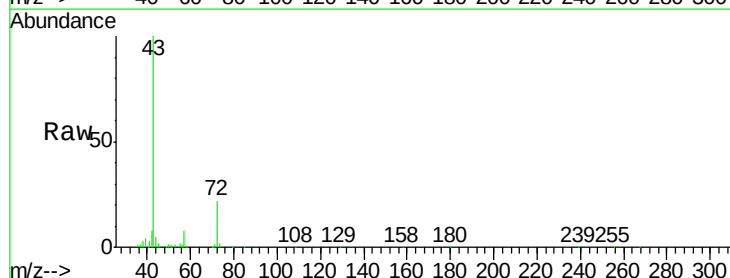
Acq: 20 May 2020 8:34

Tgt Ion: 43 Resp: 169425

Ion Ratio Lower Upper

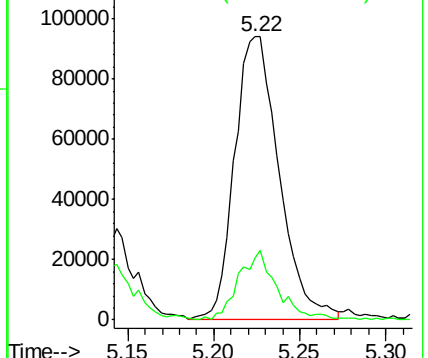
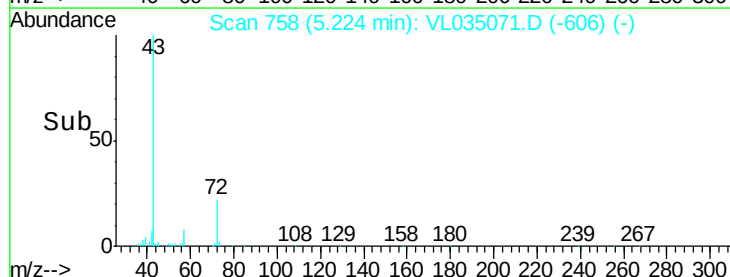
43 100

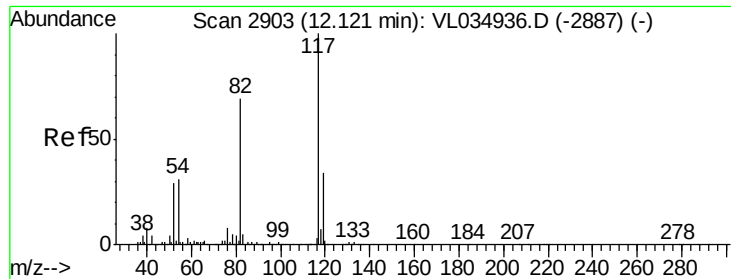
72 21.7 18.0 27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





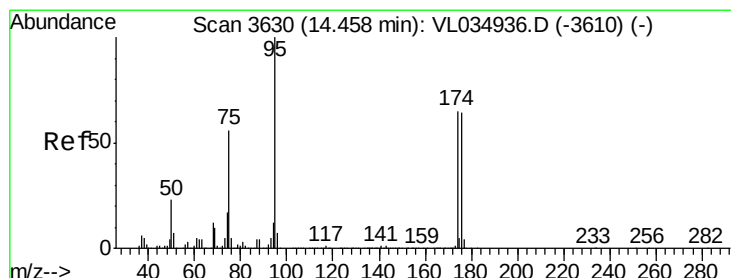
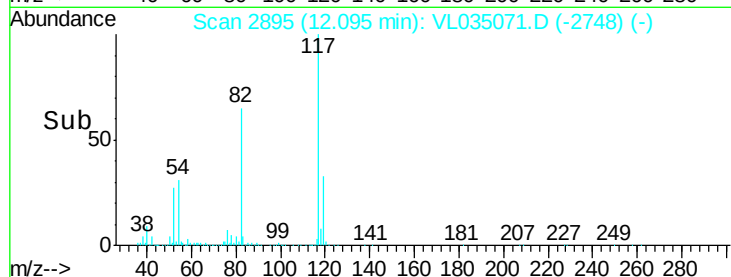
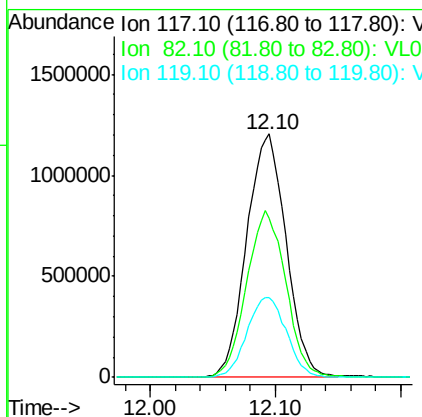
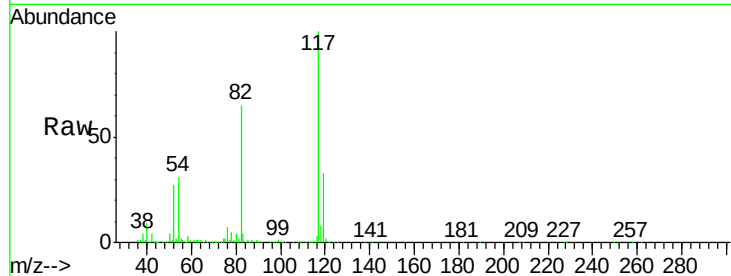
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035071.D
Acq: 20 May 2020 8:34

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion:117 Resp: 2621350
Ion Ratio Lower Upper
117 100
82 68.3 53.1 79.7
119 33.3 26.7 40.1

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.504 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035071.D
Acq: 20 May 2020 8:34

Tgt Ion: 95 Resp: 2228754
Ion Ratio Lower Upper
95 100
174 65.7 51.5 77.3
175 4.9 3.8 5.8

