

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034723.D
 Acq On : 28 Feb 2020 00:35
 Operator : SY/AP
 Sample : L1661-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RMDL

Manual Integrations
 APPROVED

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 2/28/2020 12:33:28 PM

Quant Time: Feb 28 11:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1152139	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2397491	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2373752	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1958276	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	416585	25.372	ppbv	98
15) Acetone	3.83	43	294017	2.239	ppbv	100
17) tert-Butyl alcohol	4.29	59	60765m	0.604	ppbv	
19) Isopropyl Alcohol	3.95	45	565284	7.229	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	23317m	0.221	ppbv	
38) Trichloroethene	7.85	130	57690	0.723	ppbv	92
53) Toluene	9.83	91	65841	0.299	ppbv	96

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

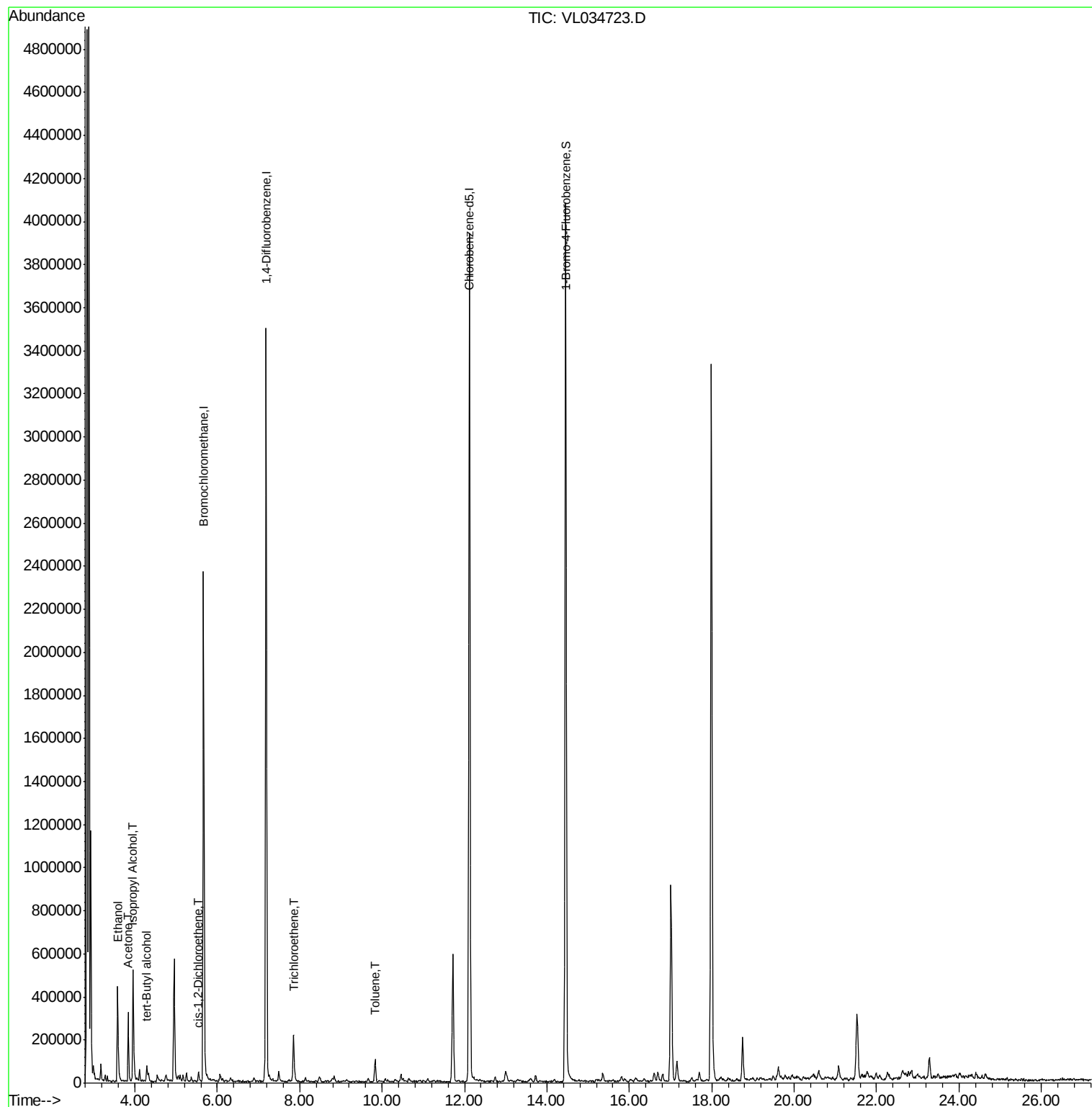
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022720\
Data File : VL034723.D
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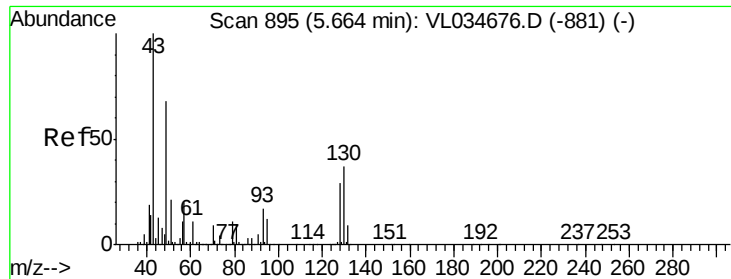
Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RMDL

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Quant Time: Feb 28 11:48:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034723.D

Acq: 28 Feb 2020 00:35

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RMDL

Tot Ion: 49 Resp: 1152139

Ion Ratio Lower Upper

49 100

128 43.8 21.6 65.0

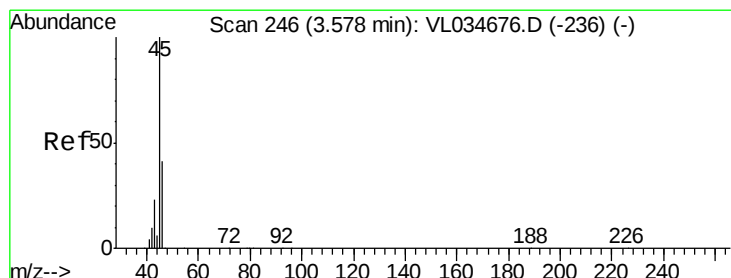
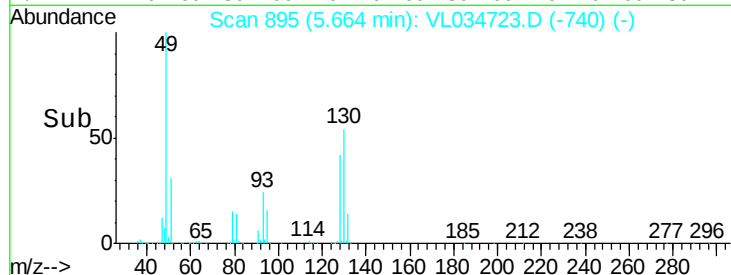
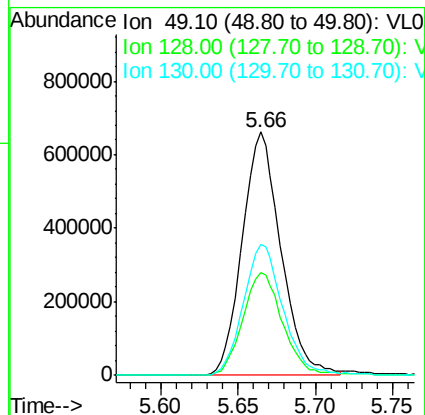
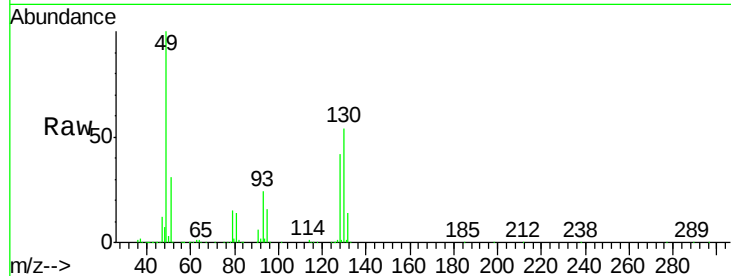
130 55.8 27.7 83.1

Manual Integrations

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#13

Ethanol

Concen: 25.372 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.00 min

Lab File: VL034723.D

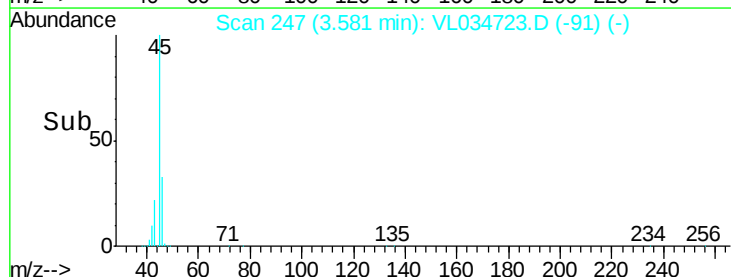
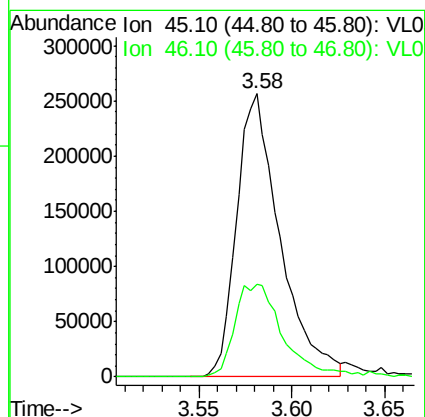
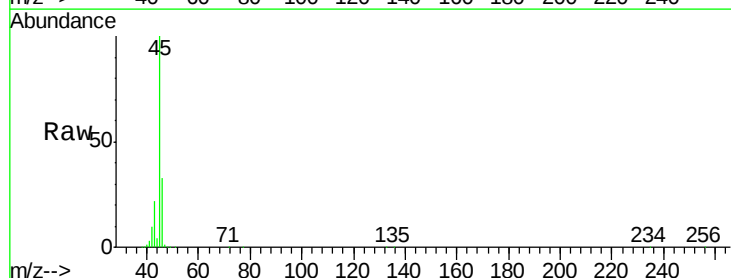
Acq: 28 Feb 2020 00:35

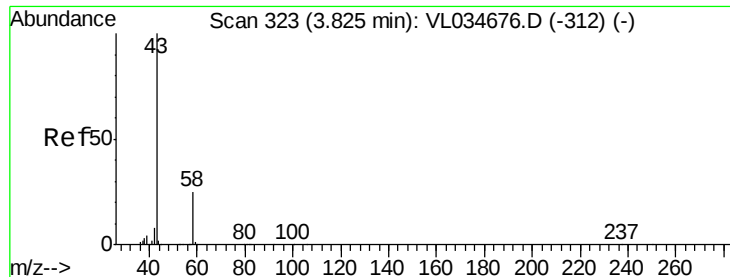
Tgt Ion: 45 Resp: 416585

Ion Ratio Lower Upper

45 100

46 37.3 15.4 61.4





#15

Acetone

Concen: 2.239 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034723.D

Acq: 28 Feb 2020 00:35

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RMDL

Tot Ion: 43 Resp: 294017

Ion Ratio Lower Upper

43 100

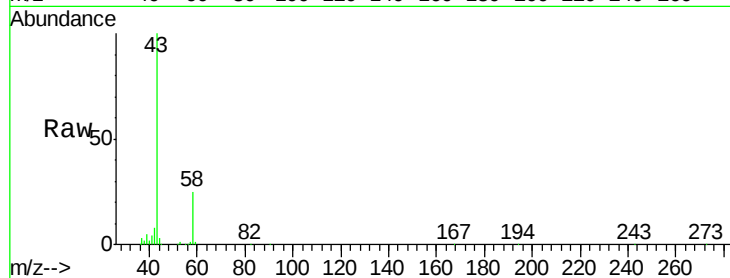
58 26.9 21.4 32.0

Manual Integrations

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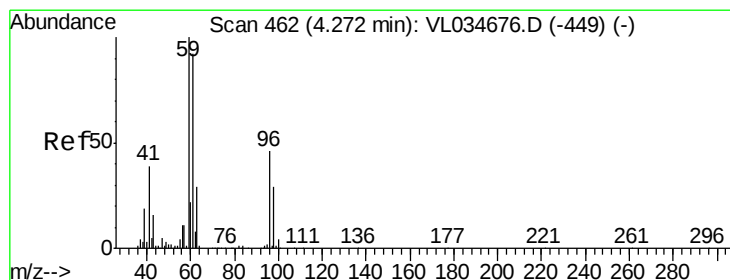
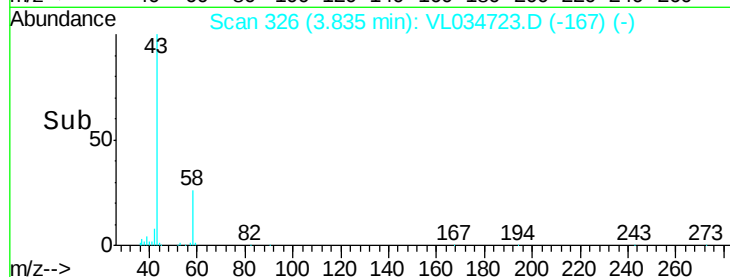
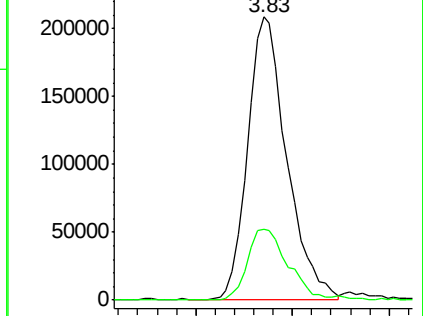
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.604 ppbv m

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL034723.D

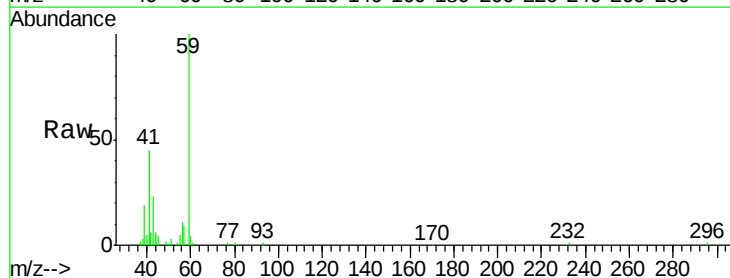
Acq: 28 Feb 2020 00:35

Tgt Ion: 59 Resp: 60765

Ion Ratio Lower Upper

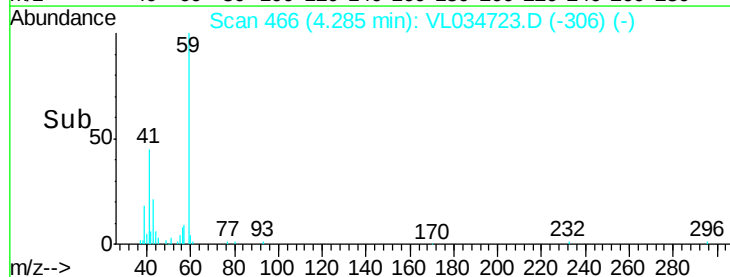
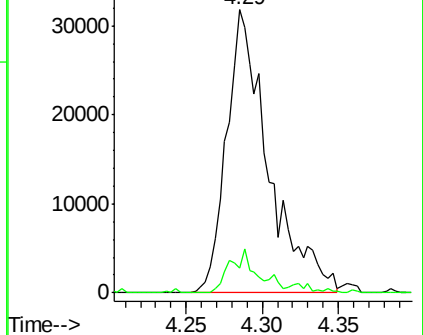
59 100

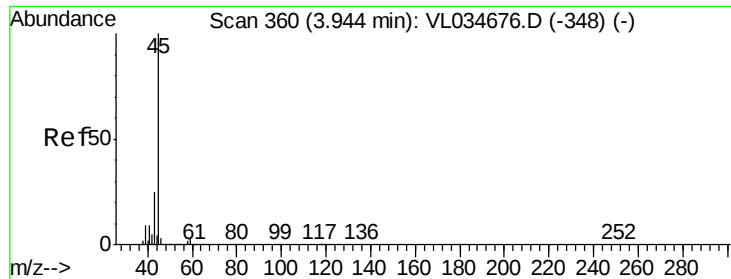
57 12.2 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#19

Isopropyl Alcohol

Concen: 7.229 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL034723.D

Acq: 28 Feb 2020 00:35

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RMDL

Tot Ion: 45 Resp: 565284

Ion Ratio Lower Upper

45 100

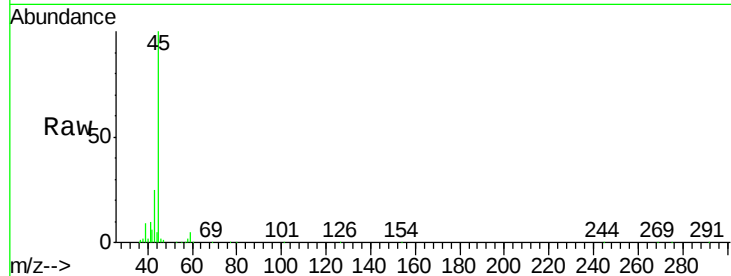
58 2.1 1.8 2.6

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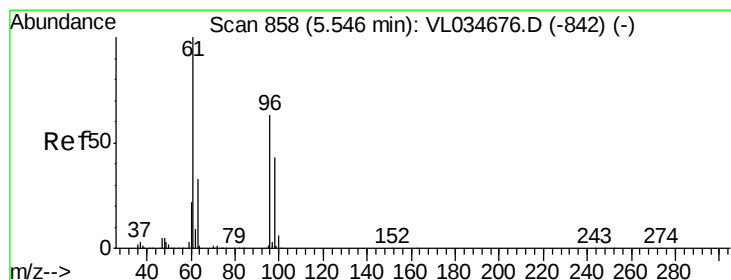
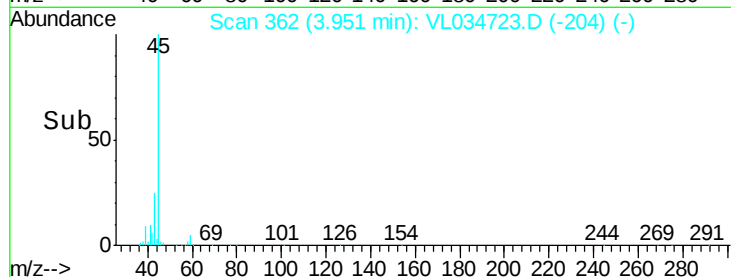
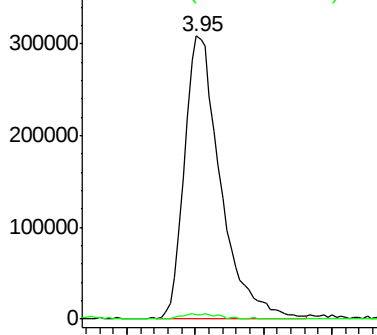
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.221 ppbv m

RT: 5.55 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL034723.D

Acq: 28 Feb 2020 00:35

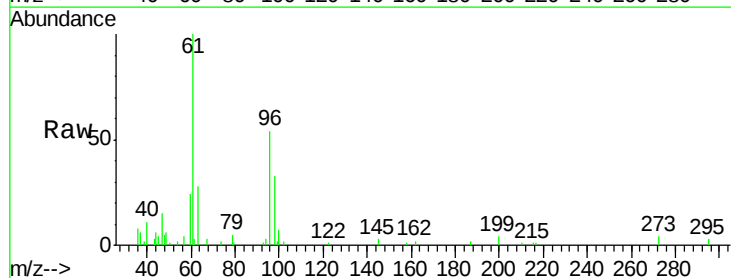
Tgt Ion: 61 Resp: 23317

Ion Ratio Lower Upper

61 100

96 54.2 50.2 75.2

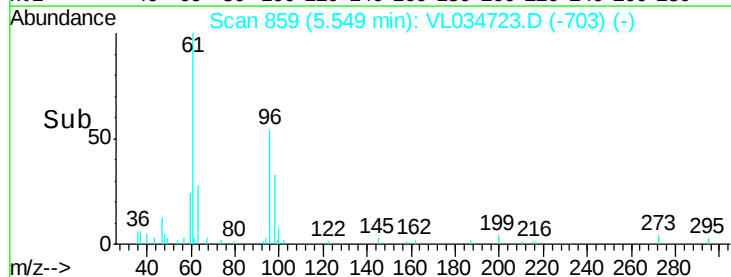
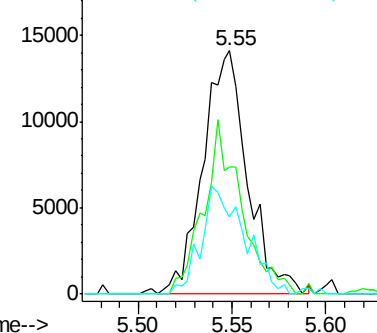
98 32.6 34.3 51.5#

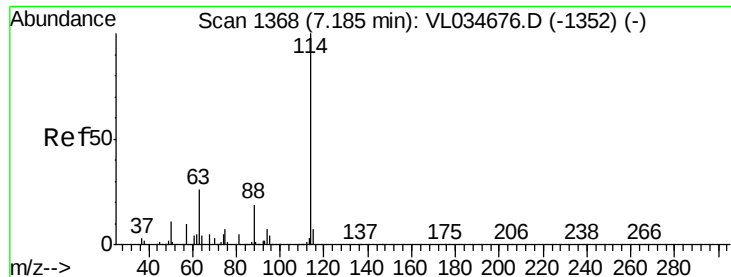


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





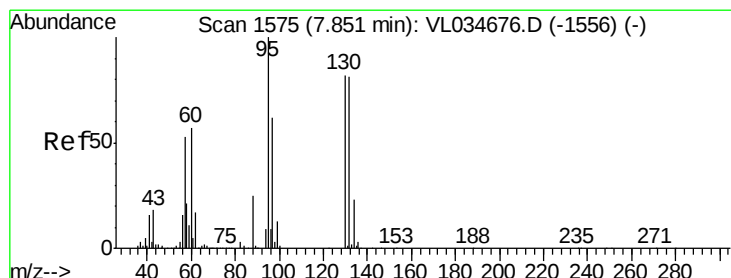
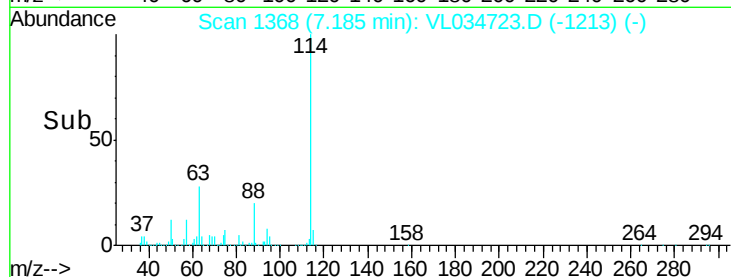
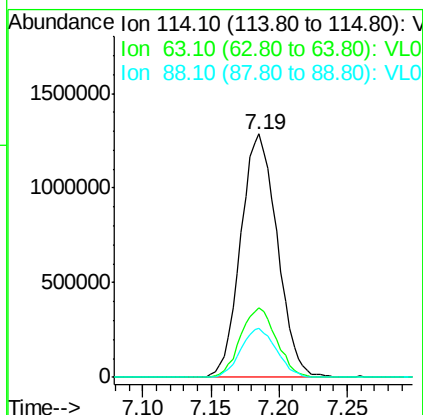
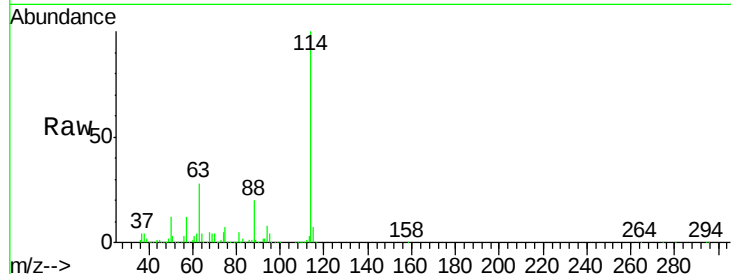
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VL034723.D
Acq: 28 Feb 2020 00:35

Instrument :
MSVOA_L
ClientSampleId :
SG-2-MUSIC-RMDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.9	34.3
88	19.8	15.8	23.6

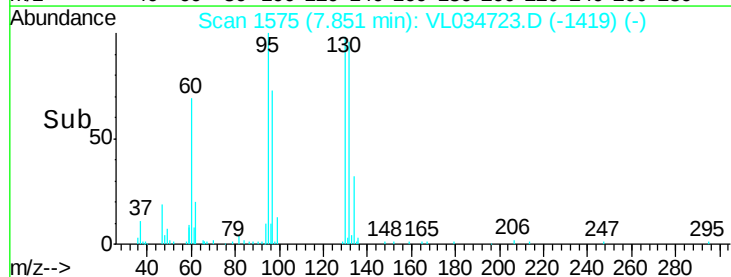
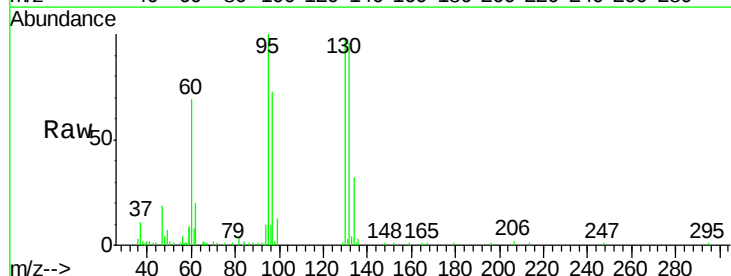
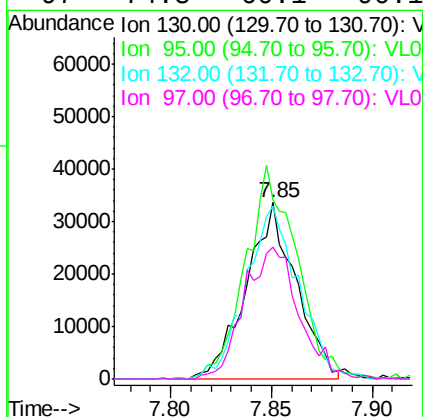
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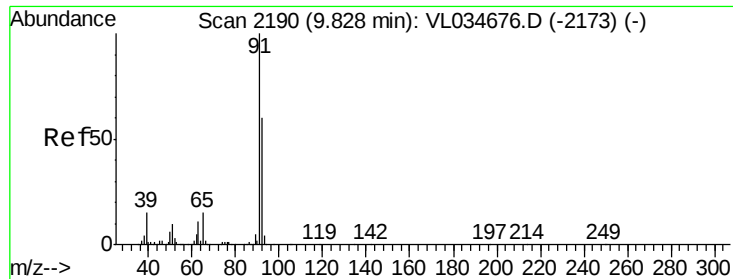
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#38
Trichloroethene
Concen: 0.723 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL034723.D
Acq: 28 Feb 2020 00:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	97.1	145.7
132	101.4	78.3	117.5
97	74.8	60.1	90.1





#53

Toluene

Concen: 0.299 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034723.D

Acq: 28 Feb 2020 00:35

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RMDL

Tot Ion: 91 Resp: 65841

Ion Ratio Lower Upper

91 100

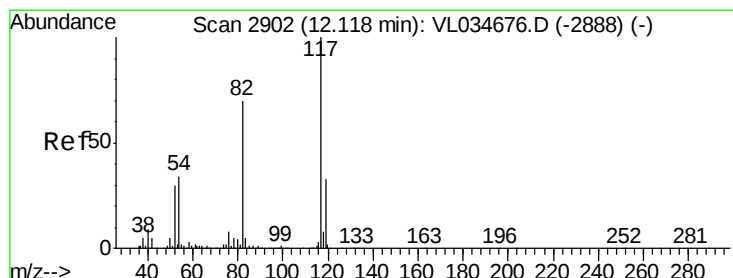
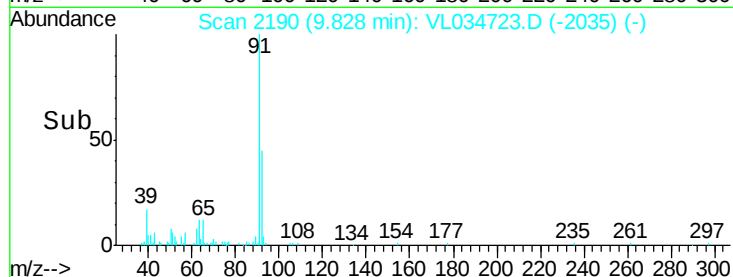
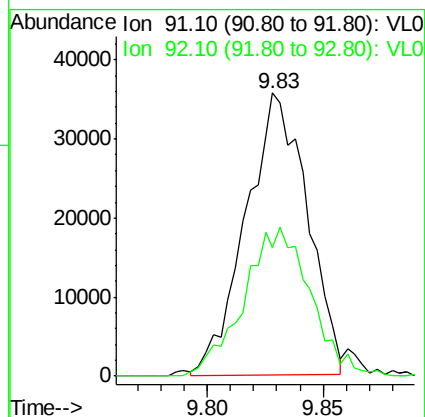
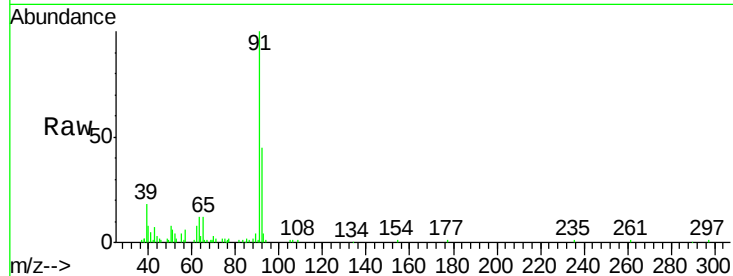
92 57.2 48.5 72.7

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.00 min

Lab File: VL034723.D

Acq: 28 Feb 2020 00:35

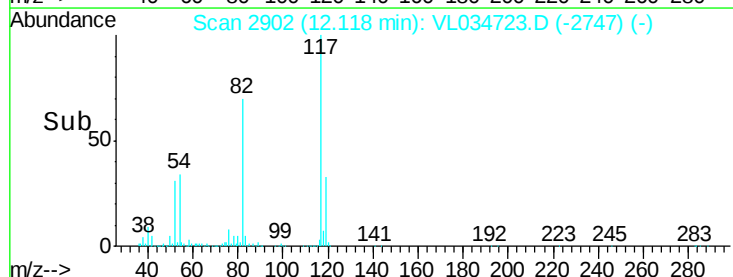
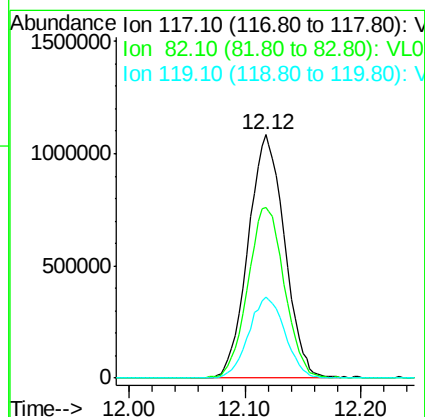
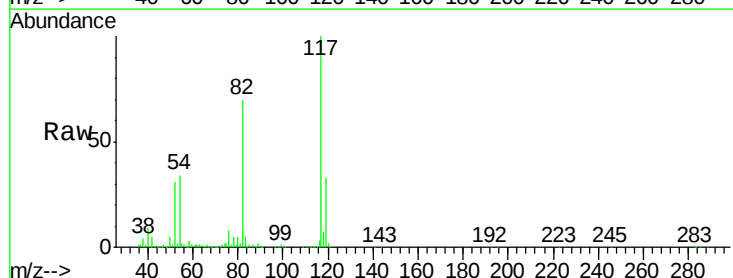
Tgt Ion: 117 Resp: 2373752

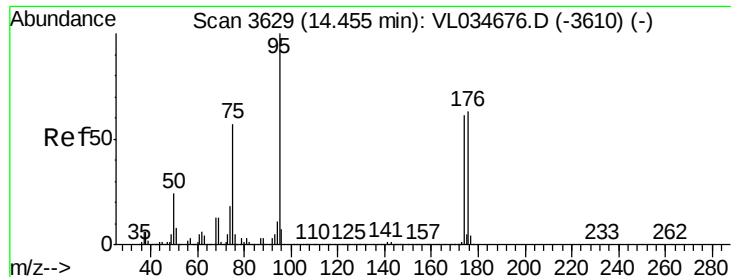
Ion Ratio Lower Upper

117 100

82 70.9 54.1 81.1

119 33.0 27.6 41.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.061 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL034723.D

Acq: 28 Feb 2020 00:35

Instrument :

MSVOA_L

ClientSampleId :

SG-2-MUSIC-RMDL

Tot Ion: 95 Resp: 1958276

Ion Ratio Lower Upper

95 100

174 65.1 50.7 76.1

175 4.9 3.9 5.9

Manual Integrations
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