

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035749.D
 Acq On : 8 Oct 2020 17:34
 Operator : SY/AP
 Sample : L4312-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Manual Integrations
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 10/12/2020 10:29:54 AM

Quant Time: Oct 09 02:13:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1248505	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	4758118	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4666639	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3464655	9.91	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	16202	0.332	ppbv	85
13) Ethanol	3.60	45	44282	3.682	ppbv	96
15) Acetone	3.85	43	223643	1.665	ppbv	98
19) Isopropyl Alcohol	3.98	45	10771m	0.147	ppbv	
20) Methylene Chloride	4.34	84	38004	0.385	ppbv	97
26) Hexane	5.69	57	33721	0.255	ppbv #	57
34) 2-Butanone	5.26	43	31739	0.202	ppbv	97
53) Toluene	9.81	91	129504	0.354	ppbv	95
59) m/p-Xylene	12.98	91	61516m	0.150	ppbv	

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

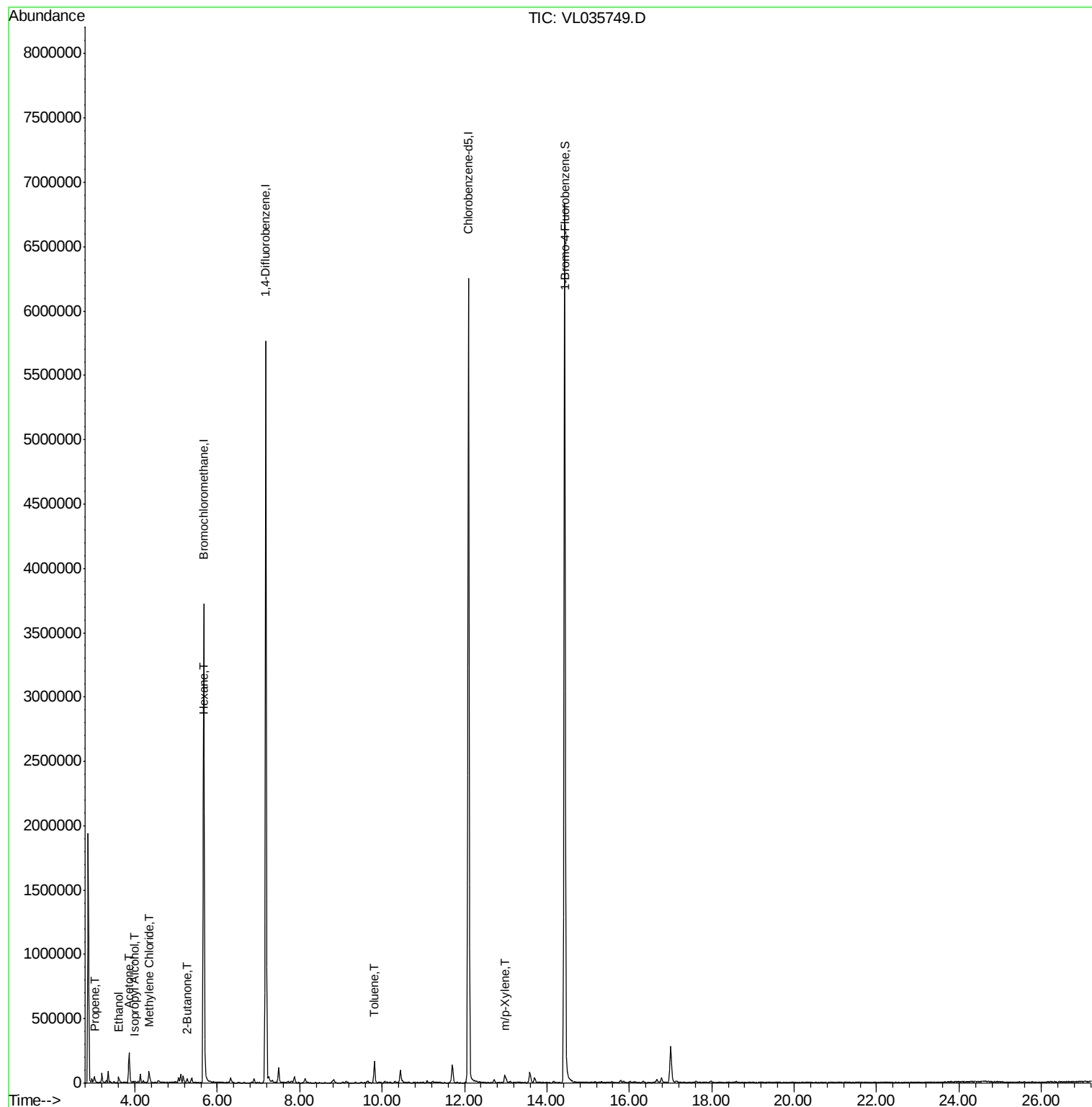
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100820\
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035749.D

Acq: 8 Oct 2020 17:34

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 49 Resp: 1248505

Ion Ratio Lower Upper

49 100

128 86.6 43.1 129.4

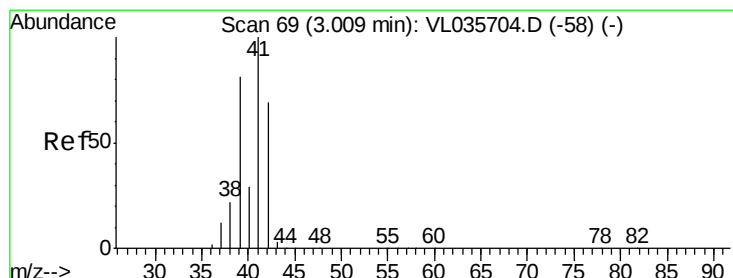
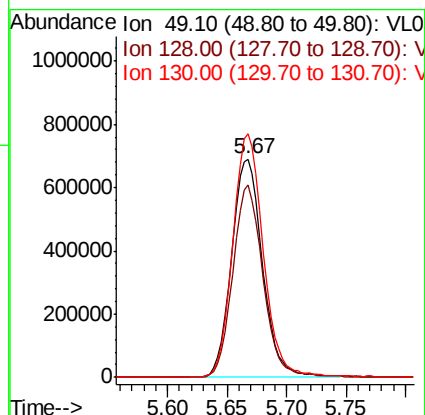
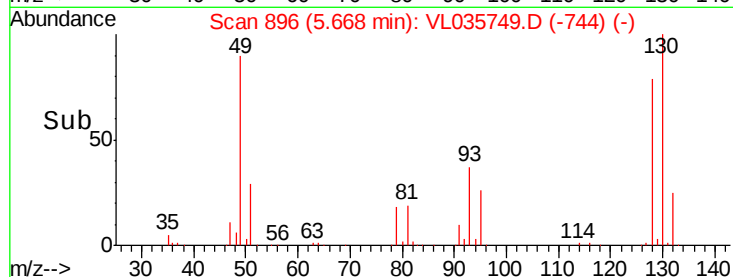
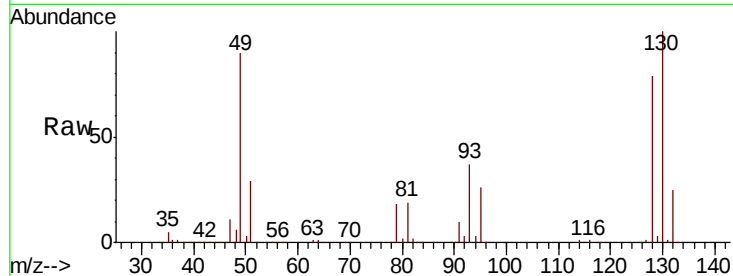
130 110.8 54.9 164.7

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#9

Propene

Concen: 0.332 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035749.D

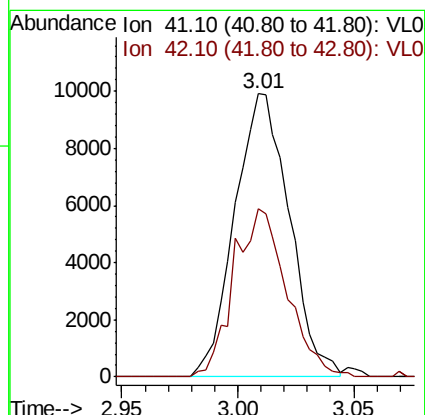
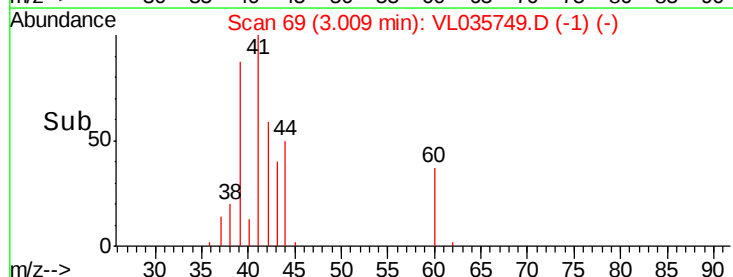
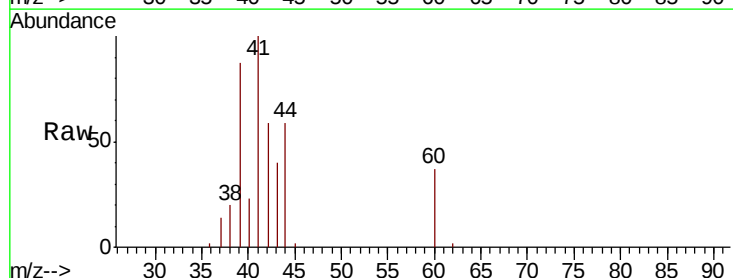
Acq: 8 Oct 2020 17:34

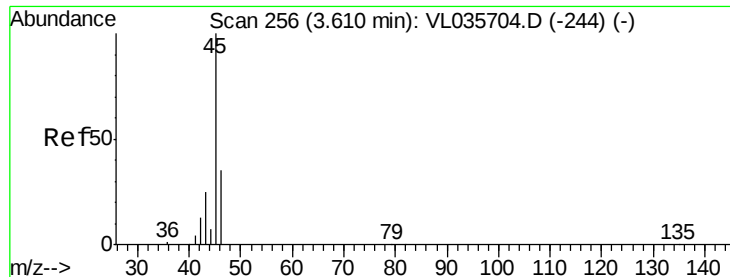
Tgt Ion: 41 Resp: 16202

Ion Ratio Lower Upper

41 100

42 57.7 56.2 84.4





#13

Ethanol

Concen: 3.682 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL035749.D

Acq: 8 Oct 2020 17:34

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 45 Resp: 44282

Ion Ratio Lower Upper

45 100

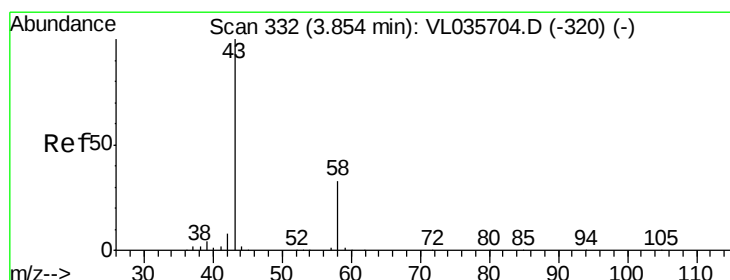
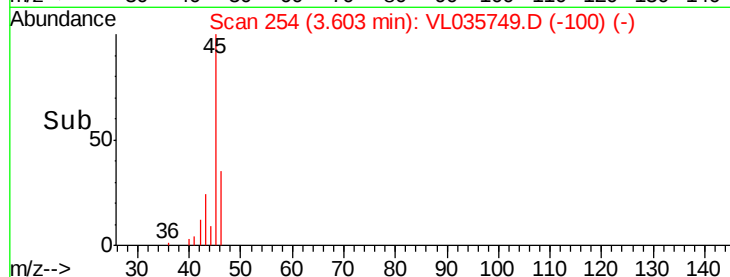
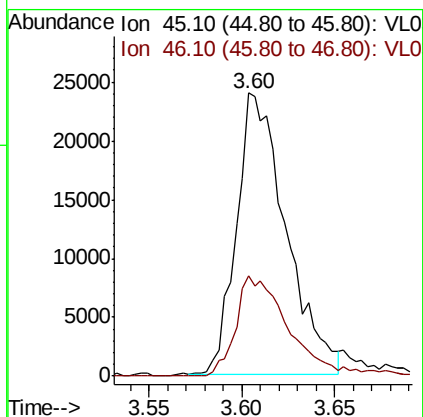
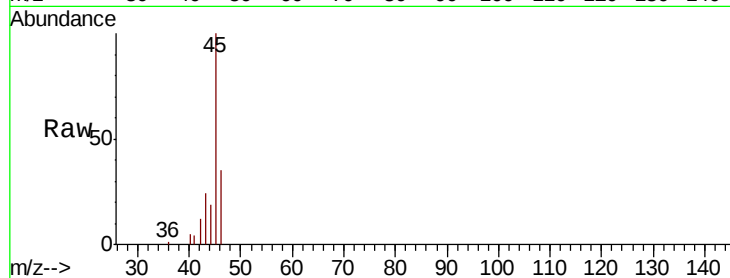
46 38.8 14.7 58.7

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#15

Acetone

Concen: 1.665 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL035749.D

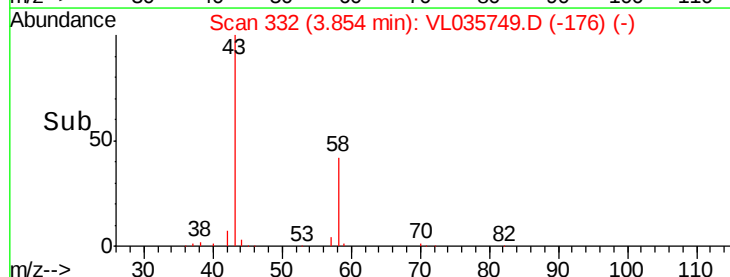
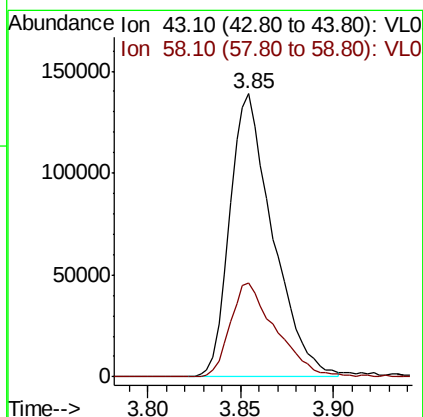
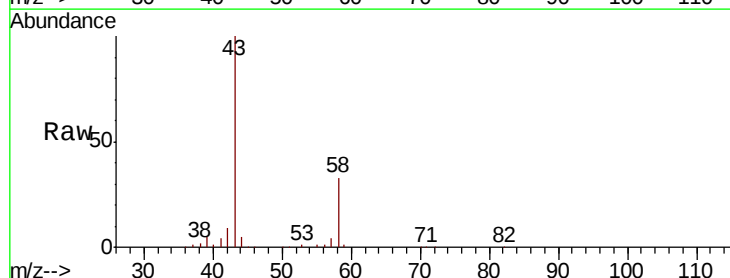
Acq: 8 Oct 2020 17:34

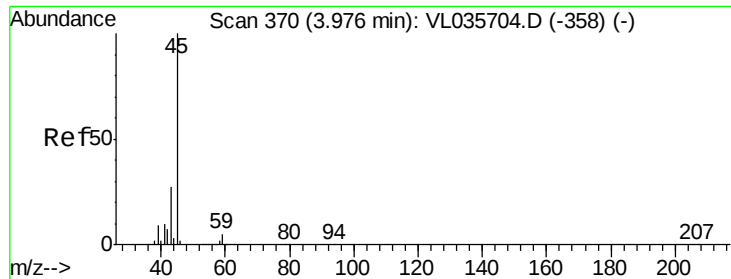
Tgt Ion: 43 Resp: 223643

Ion Ratio Lower Upper

43 100

58 35.4 27.3 40.9





#19

Isopropyl Alcohol

Concen: 0.147 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL035749.D

Acq: 8 Oct 2020 17:34

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 45 Resp: 10771

Ion Ratio Lower Upper

45 100

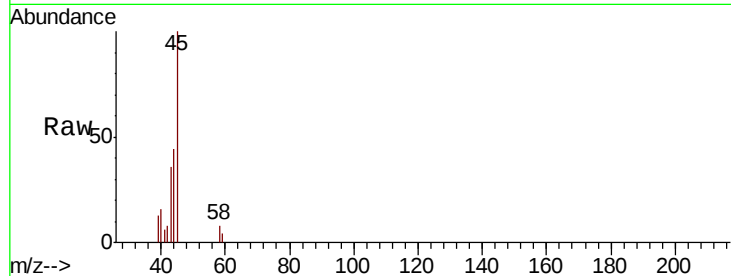
58 0.0 2.8 4.2#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

6000

5000

4000

3000

2000

1000

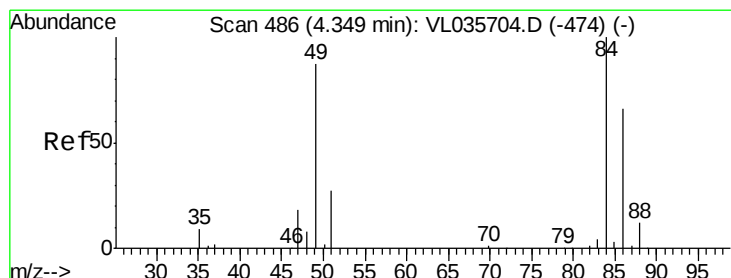
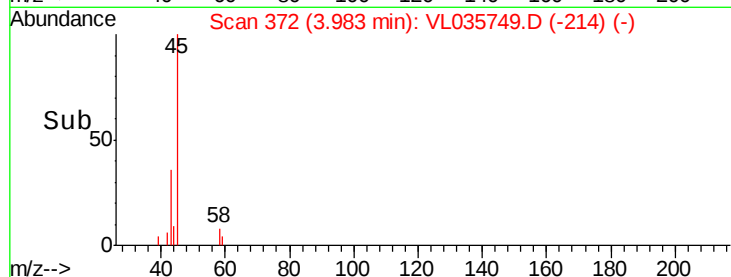
0

Time-->

3.95

4.00

4.05



#20

Methylene Chloride

Concen: 0.385 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL035749.D

Acq: 8 Oct 2020 17:34

Tgt Ion: 84 Resp: 38004

Ion Ratio Lower Upper

84 100

49 89.7 69.8 104.6

51 30.0 21.8 32.8

86 66.9 52.6 78.8

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

30000

20000

10000

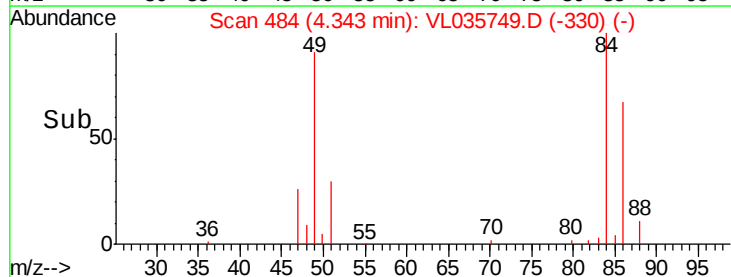
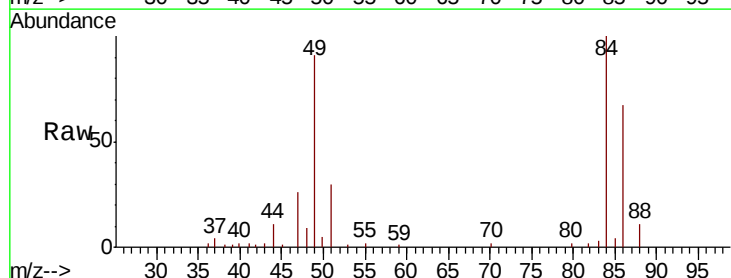
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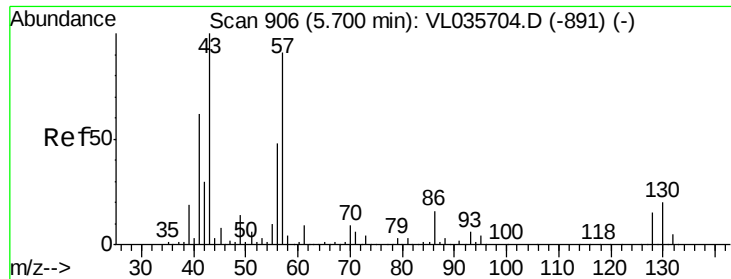
Time-->

4.30

4.35

4.40





#26

Hexane

Concen: 0.255 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL035749.D

Acq: 8 Oct 2020 17:34

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 57 Resp: 33721

Ion Ratio Lower Upper

57 100

41 79.7 57.9 86.9

43 85.9 143.8 215.6#

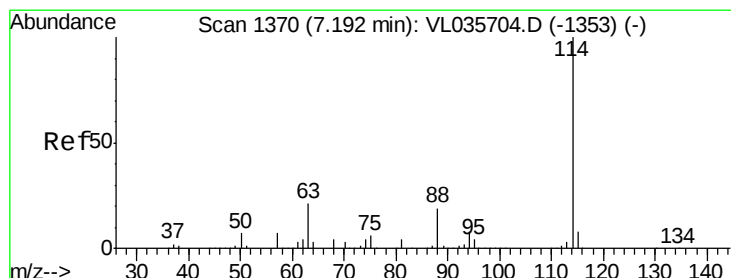
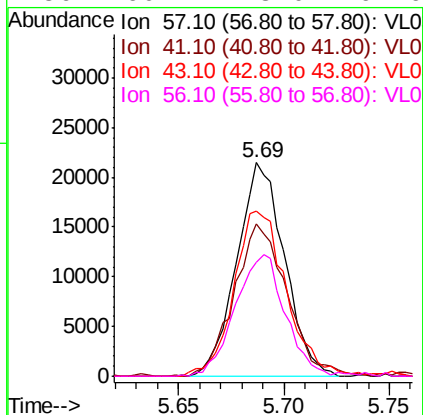
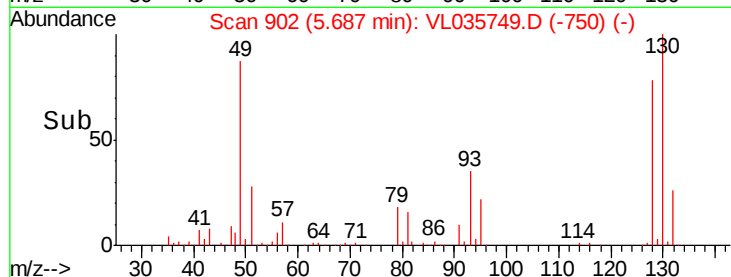
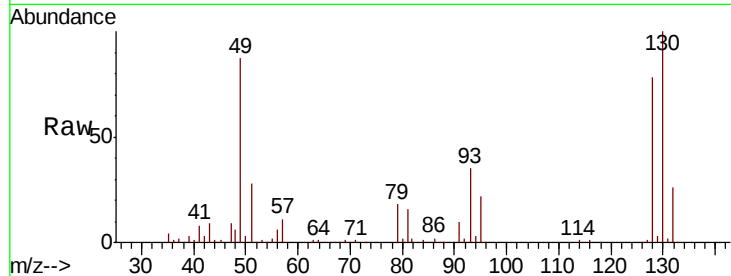
56 60.4 43.0 64.6

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VL035749.D

Acq: 8 Oct 2020 17:34

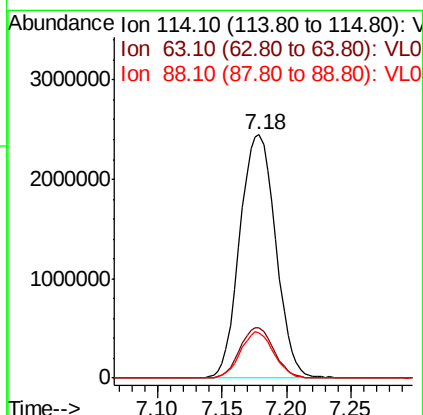
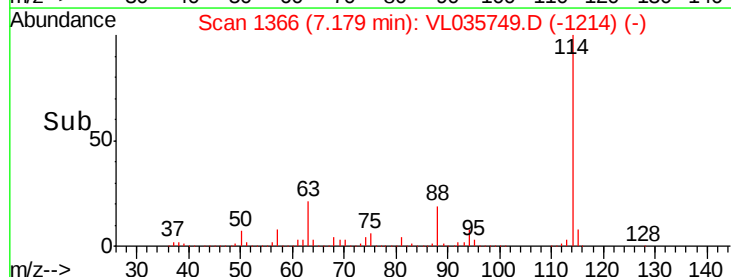
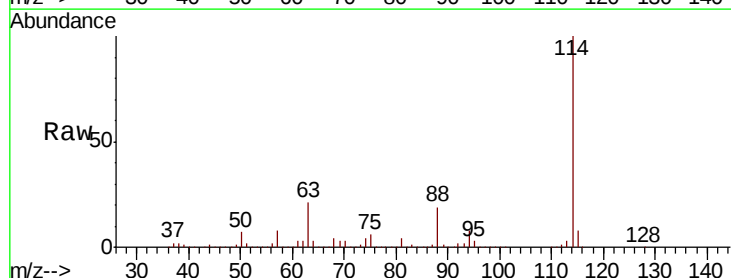
Tgt Ion: 114 Resp: 4758118

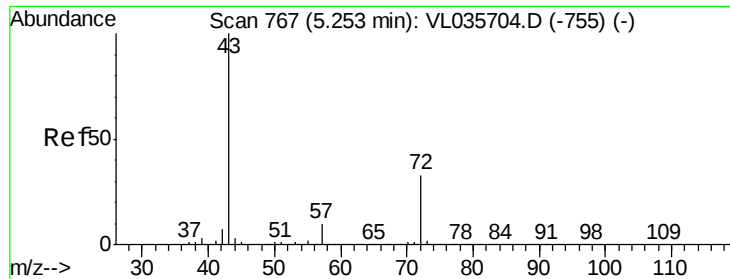
Ion Ratio Lower Upper

114 100

63 19.8 16.1 24.1

88 17.6 14.1 21.1





#34

2-Butanone

Concen: 0.202 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL035749.D

Acq: 8 Oct 2020 17:34

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 43 Resp: 31739

Ion Ratio Lower Upper

43 100

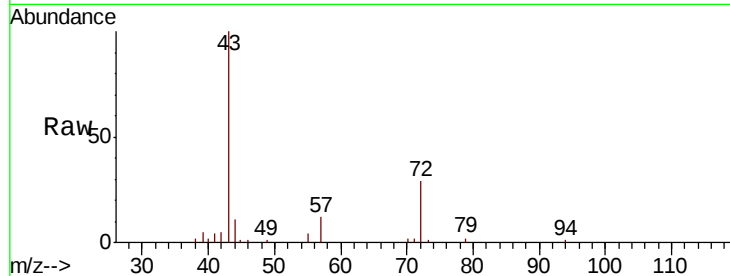
72 34.4 26.1 39.1

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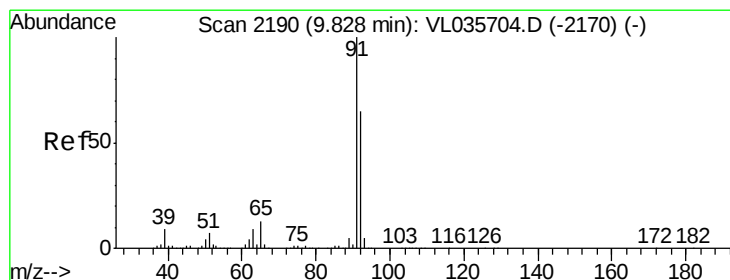
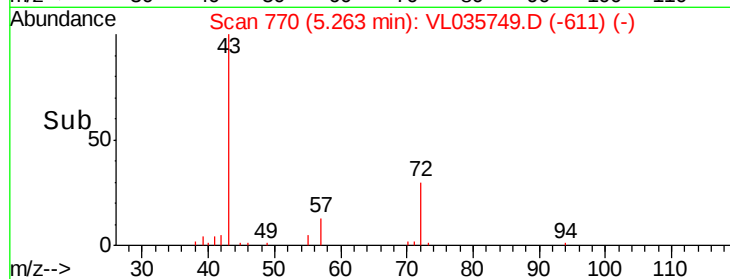
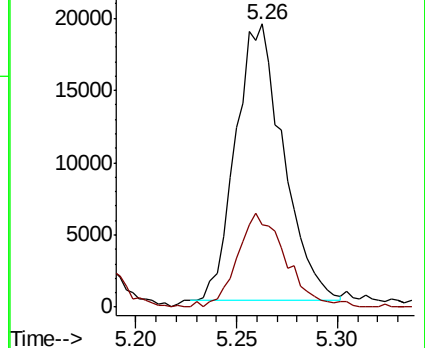
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#53

Toluene

Concen: 0.354 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035749.D

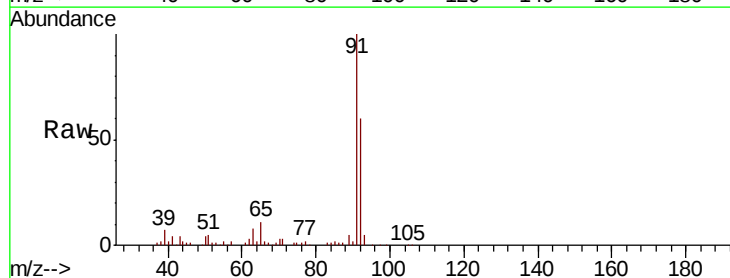
Acq: 8 Oct 2020 17:34

Tgt Ion: 91 Resp: 129504

Ion Ratio Lower Upper

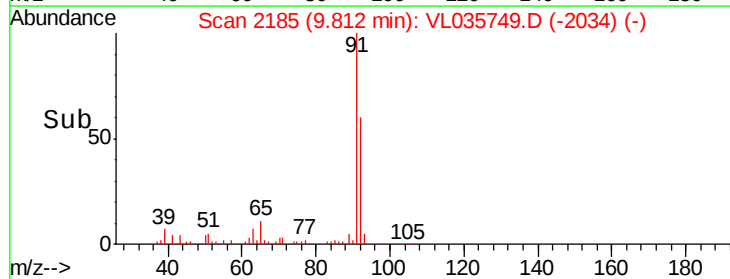
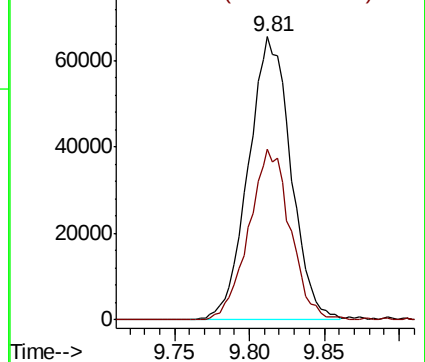
91 100

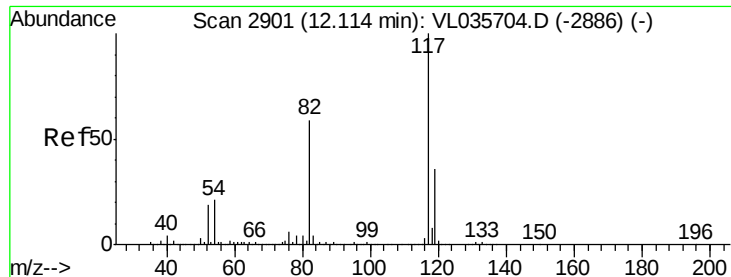
92 58.8 50.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





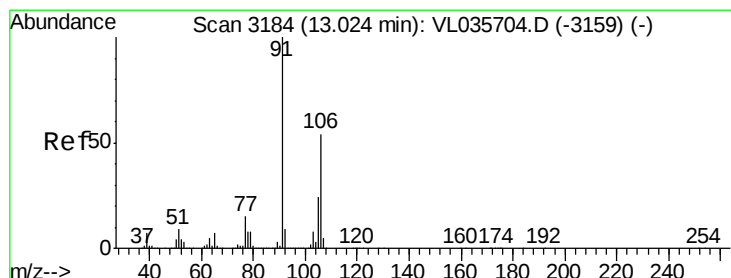
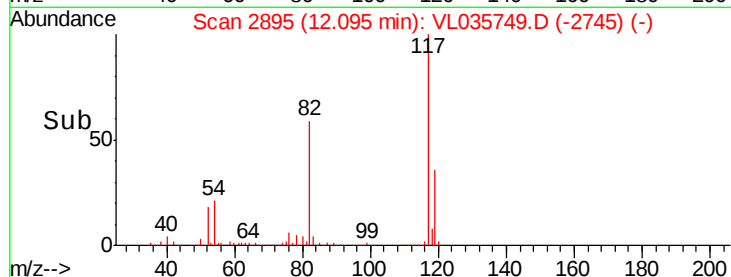
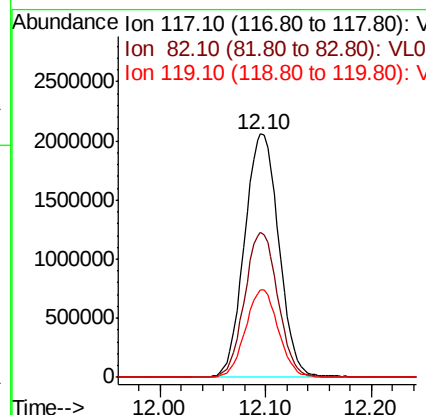
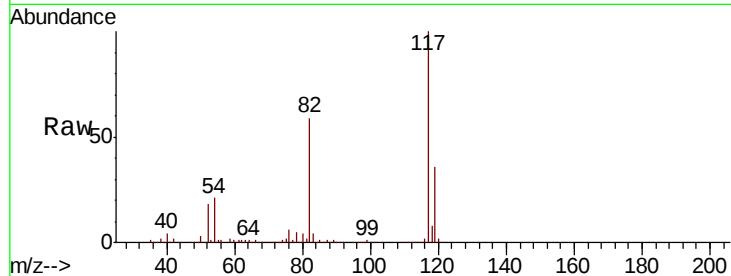
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035749.D
Acq: 8 Oct 2020 17:34

Instrument :
MSVOA_L
ClientSampled :
SG-1DL

Tot Ion:117 Resp: 4666639
Ion Ratio Lower Upper
117 100
82 58.1 46.1 69.1
119 34.6 28.0 42.0

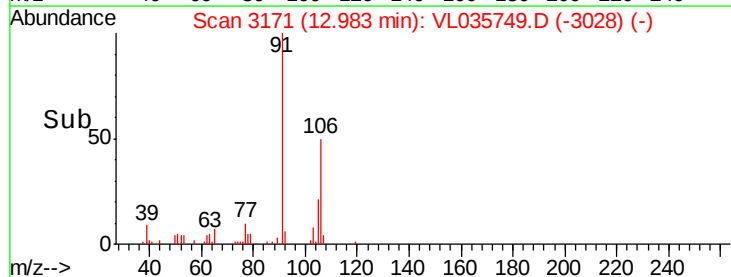
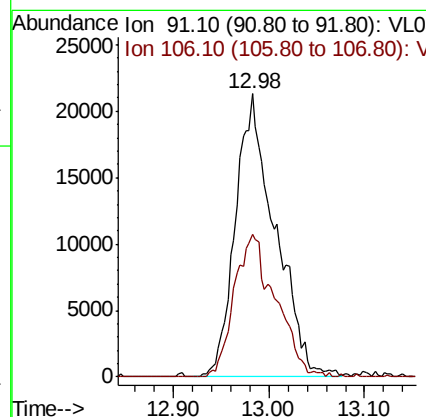
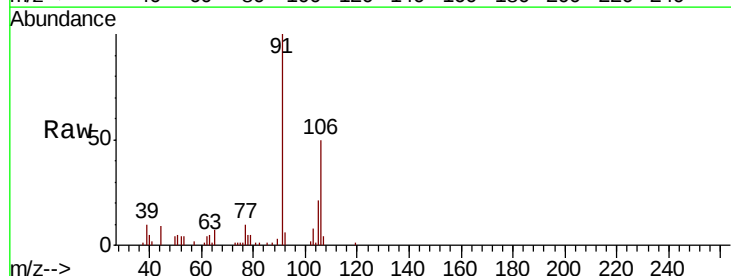
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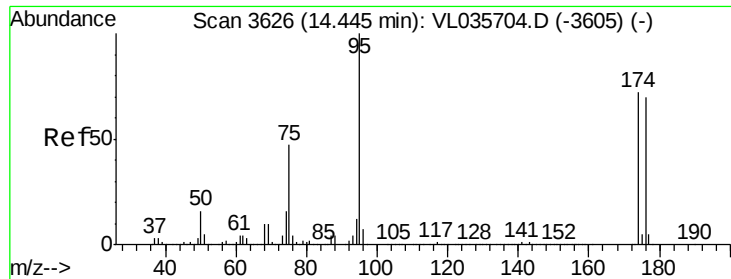
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#59
m/p-Xylene
Concen: 0.150 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL035749.D
Acq: 8 Oct 2020 17:34

Tgt Ion: 91 Resp: 61516
Ion Ratio Lower Upper
91 100
106 0.0 41.4 62.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.908 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035749.D
 Acq: 8 Oct 2020 17:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Tot Ion: 95 Resp: 3464655
 Ion Ratio Lower Upper
 95 100
 174 77.5 59.6 89.4
 175 5.6 4.2 6.4

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