

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035988.D
 Acq On : 19 Nov 2020 00:43
 Operator : SY/AP
 Sample : L4781-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Manual Integrations
 APPROVED

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 11/20/2020 12:28:16 PM

Quant Time: Nov 19 09:26:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.62	49	1034047	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3726087	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3552404	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	2636779	10.45	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	9141m	0.202	ppbv	
13) Ethanol	3.58	45	90033	9.157	ppbv	97
15) Acetone	3.83	43	65814	0.595	ppbv #	68
19) Isopropyl Alcohol	3.94	45	27336m	0.402	ppbv	
20) Methylene Chloride	4.31	84	42748	0.549	ppbv	100
26) Hexane	5.65	57	28914	0.241	ppbv #	46
53) Toluene	9.76	91	100604	0.301	ppbv	99

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

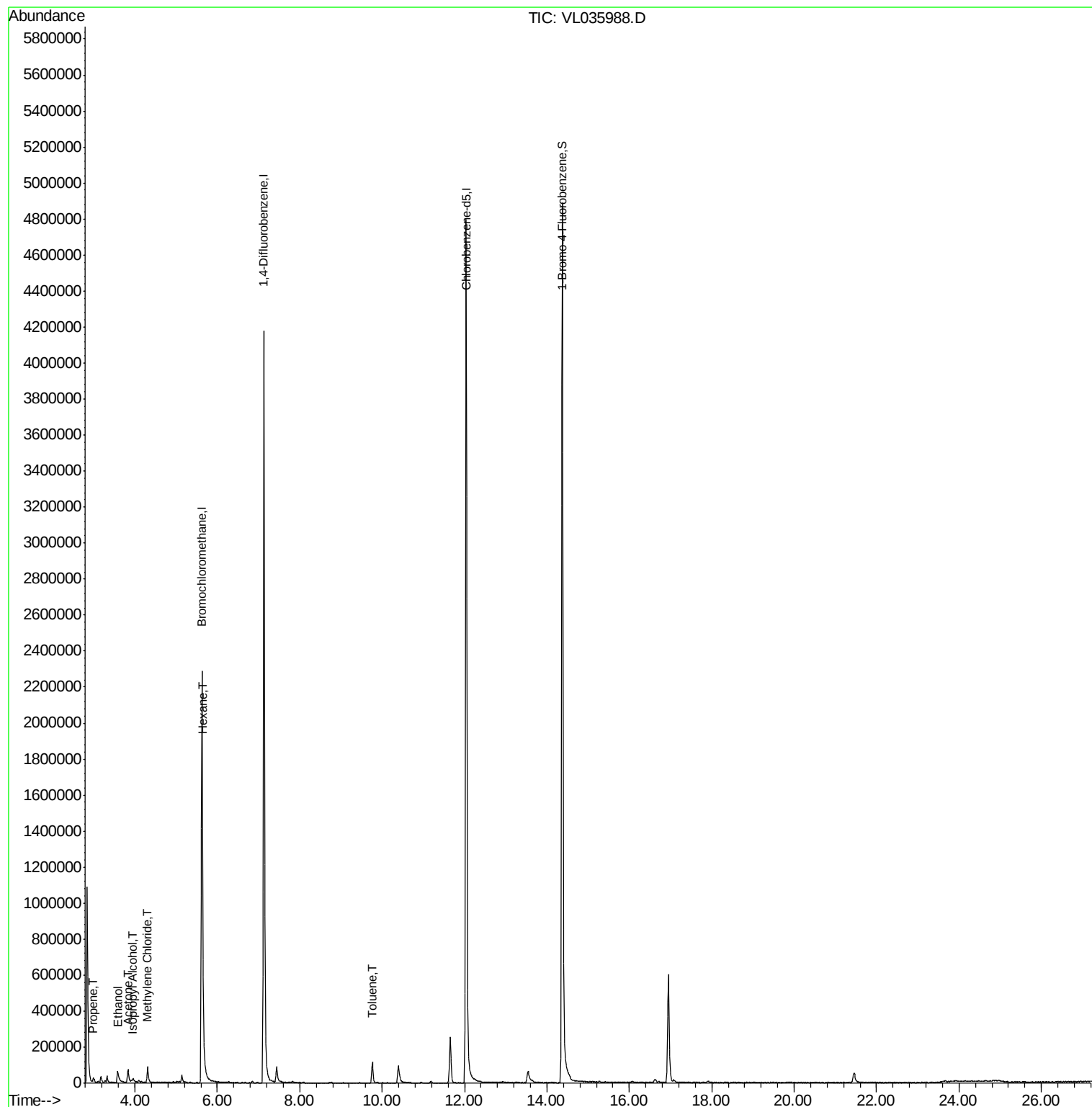
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111820\
Data File : VL035988.D
Acq On : 19 Nov 2020 00:43
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Quant Time: Nov 19 09:26:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.62 min Scan# 882

Delta R.T. -0.04 min

Lab File: VL035988.D

Acq: 19 Nov 2020 00:43

Instrument :

MSVOA_L

ClientSampled :

IA3DL

Tot Ion: 49 Resp: 1034047

Ion Ratio Lower Upper

49 100

128 79.2 41.5 124.6

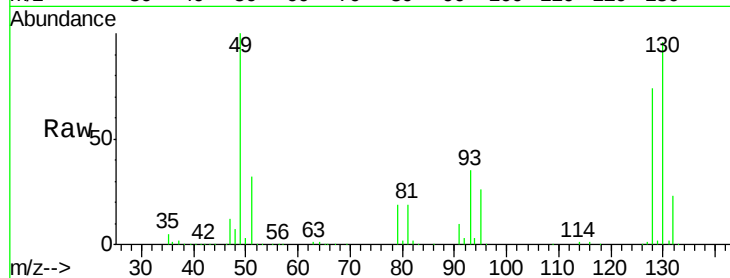
130 100.5 53.7 161.1

Manual Integrations

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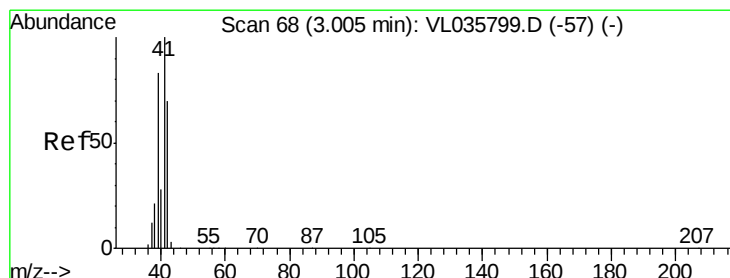
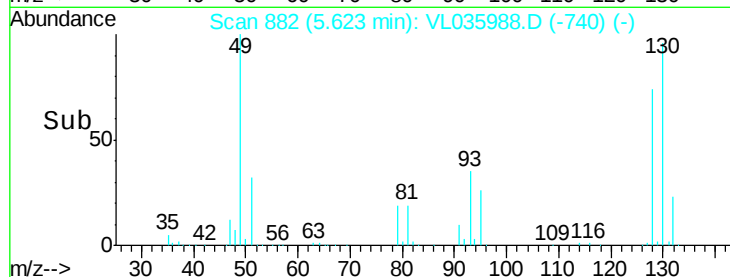
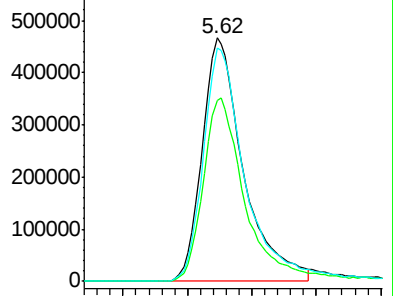
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.202 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035988.D

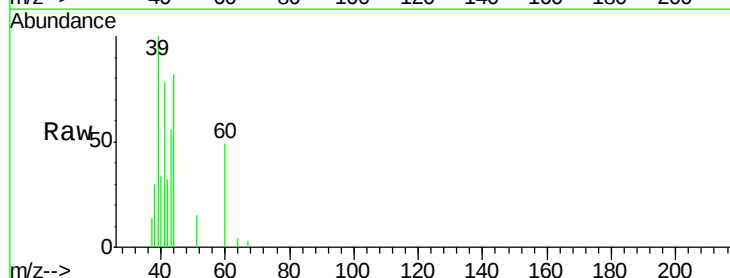
Acq: 19 Nov 2020 00:43

Tgt Ion: 41 Resp: 9141

Ion Ratio Lower Upper

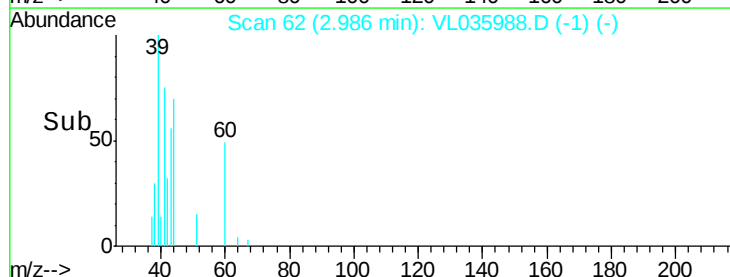
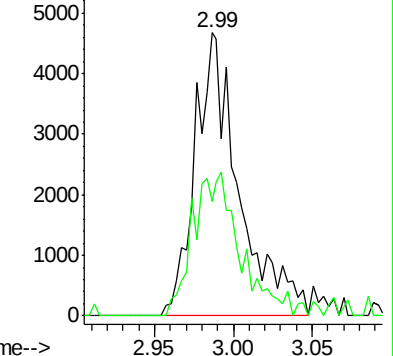
41 100

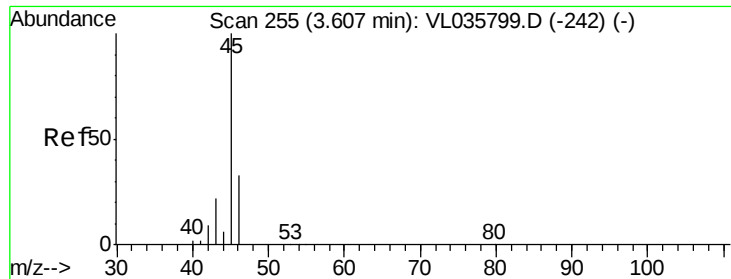
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





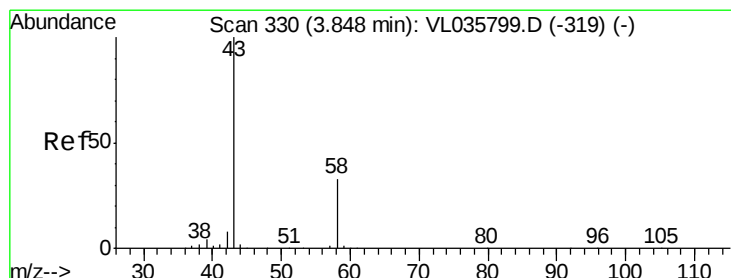
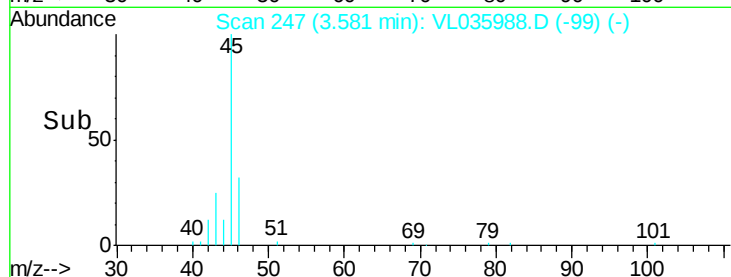
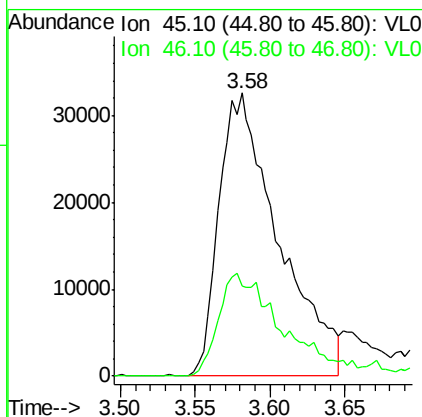
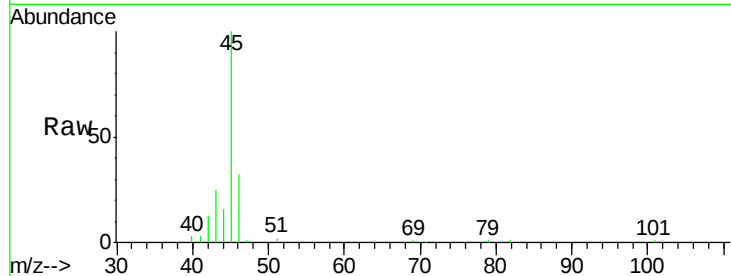
#13
Ethanol
Concen: 9.157 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.03 min
Lab File: VL035988.D
Acq: 19 Nov 2020 00:43

Instrument :
MSVOA_L
ClientSampled :
IA3DL

Tot Ion: 45 Resp: 90033
Ion Ratio Lower Upper
45 100
46 42.3 16.1 64.5

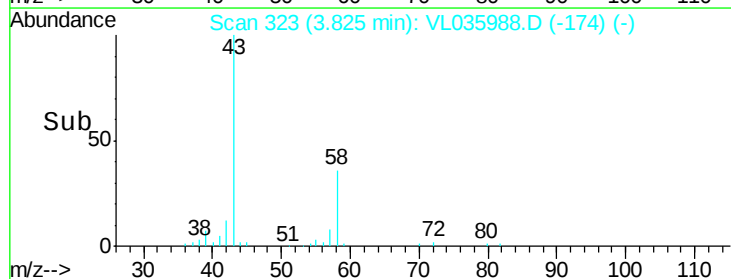
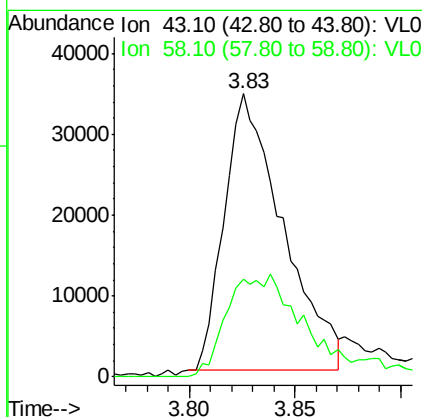
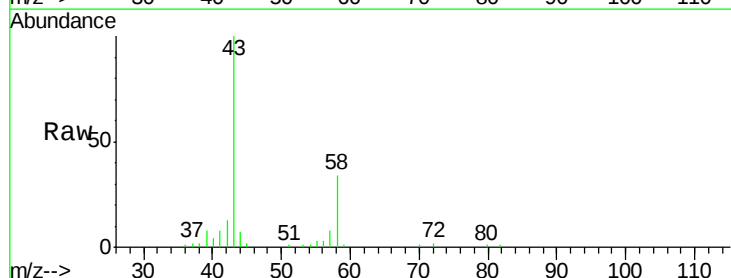
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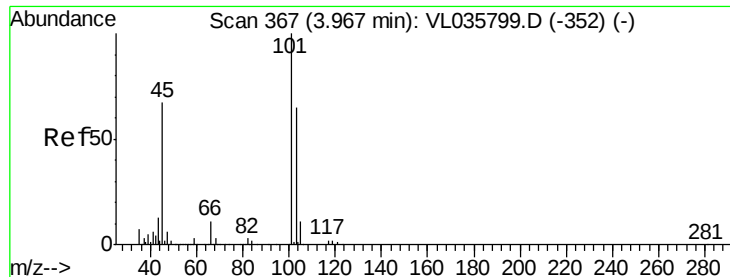
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#15
Acetone
Concen: 0.595 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.02 min
Lab File: VL035988.D
Acq: 19 Nov 2020 00:43

Tgt Ion: 43 Resp: 65814
Ion Ratio Lower Upper
43 100
58 52.9 27.5 41.3#





#19

Isopropyl Alcohol

Concen: 0.402 ppbv m

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL035988.D

Acq: 19 Nov 2020 00:43

Instrument :

MSVOA_L

ClientSampled :

IA3DL

Tot Ion: 45 Resp: 27336

Ion Ratio Lower Upper

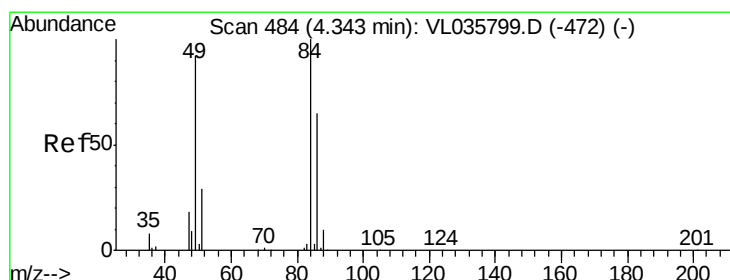
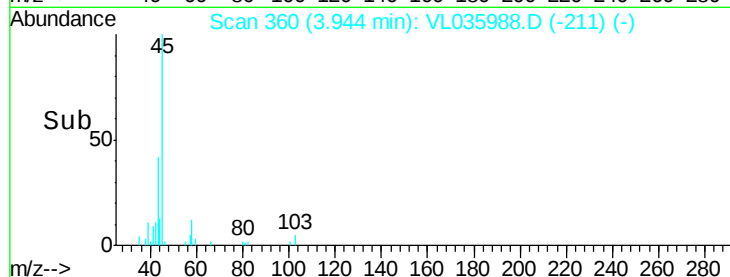
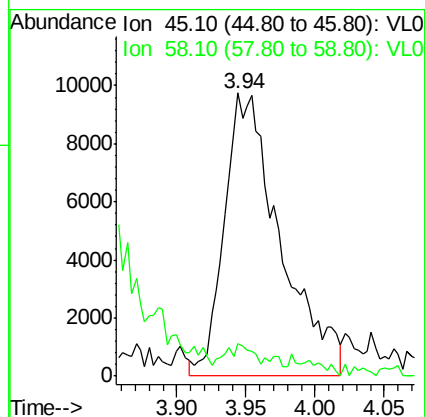
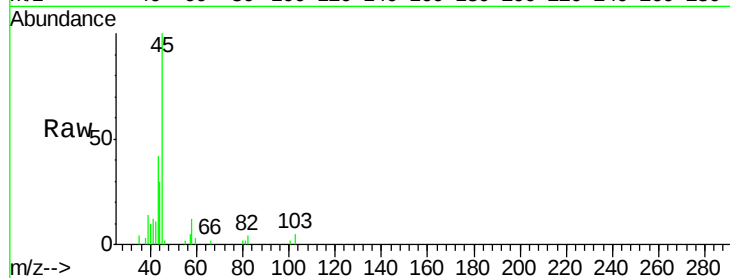
45 100

58 10.8 2.6 3.8#

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#20

Methylene Chloride

Concen: 0.549 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.04 min

Lab File: VL035988.D

Acq: 19 Nov 2020 00:43

Tgt Ion: 84 Resp: 42748

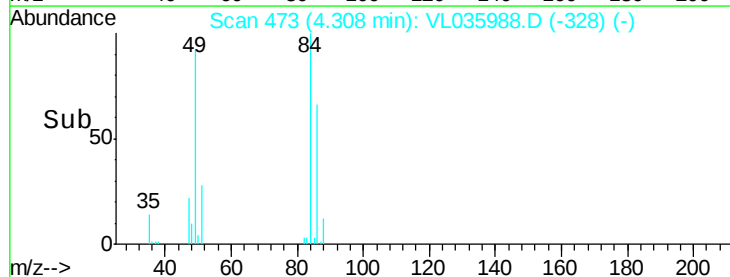
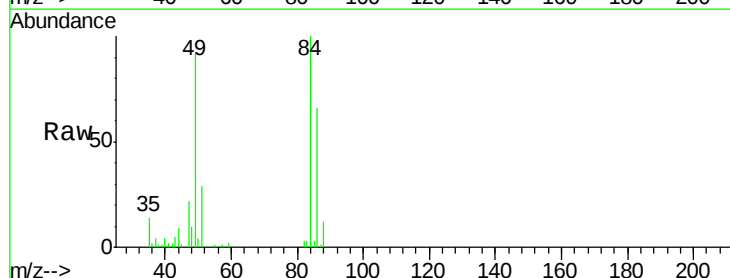
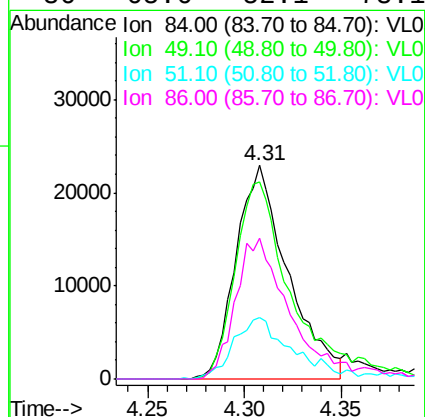
Ion Ratio Lower Upper

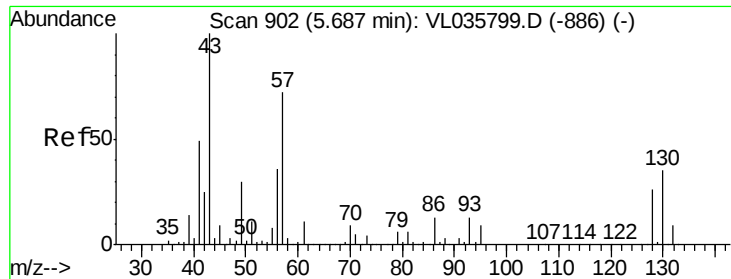
84 100

49 92.3 73.8 110.8

51 29.1 23.0 34.4

86 65.6 52.1 78.1





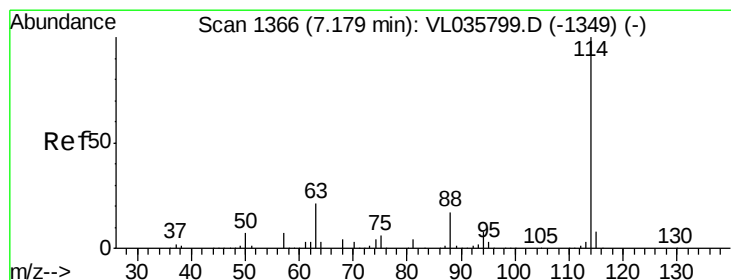
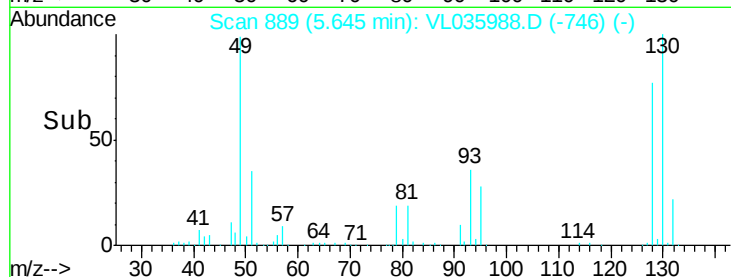
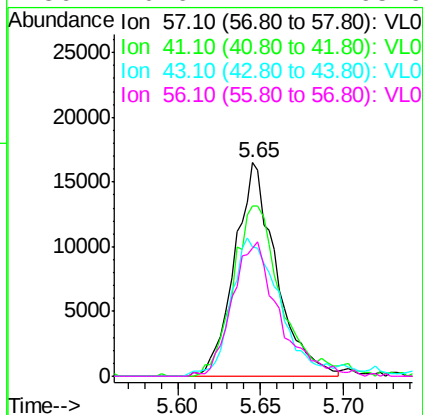
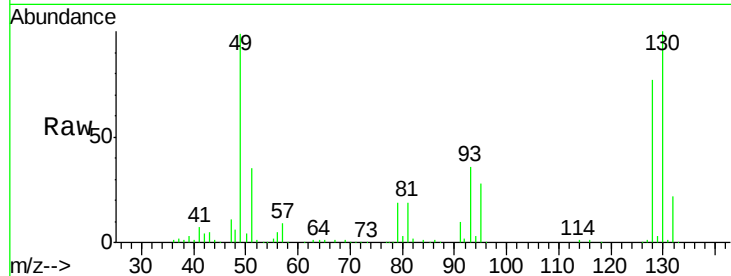
#26
Hexane
Concen: 0.241 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.04 min
Lab File: VL035988.D
Acq: 19 Nov 2020 00:43

Instrument :
MSVOA_L
ClientSampled :
IA3DL

Tot Ion: 57 Resp: 28914
Ion Ratio Lower Upper
57 100
41 92.9 58.9 88.3#
43 79.6 150.2 225.2#
56 70.6 42.4 63.6#

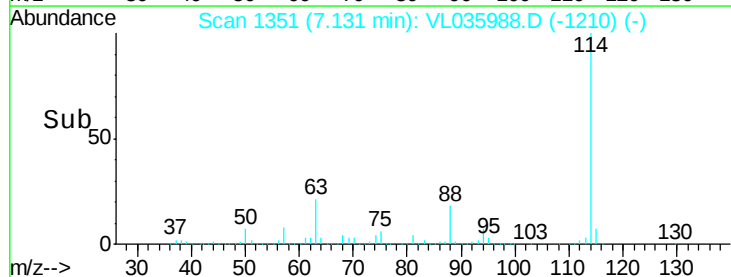
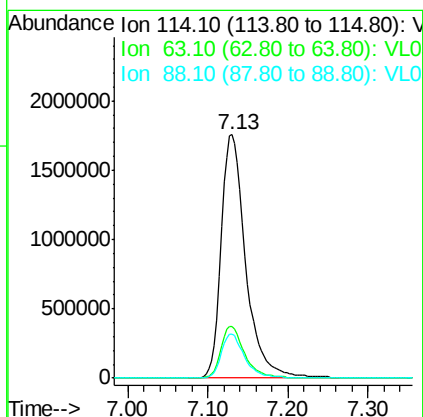
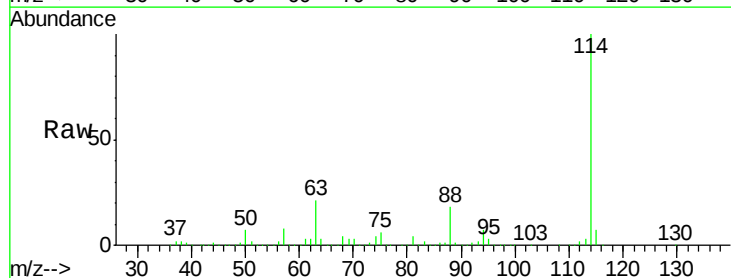
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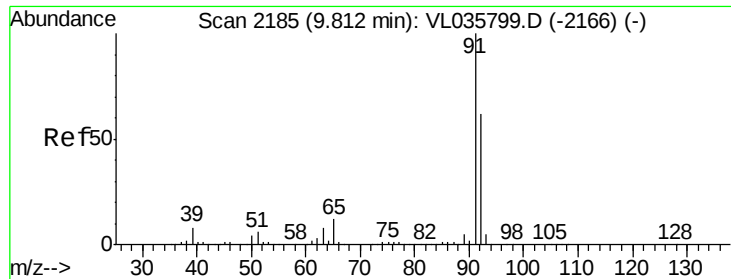
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.05 min
Lab File: VL035988.D
Acq: 19 Nov 2020 00:43

Tgt Ion: 114 Resp: 3726087
Ion Ratio Lower Upper
114 100
63 20.9 16.1 24.1
88 17.4 13.7 20.5





#53

Toluene

Concen: 0.301 ppbv

RT: 9.76 min Scan# 2169

Delta R.T. -0.05 min

Lab File: VL035988.D

Acq: 19 Nov 2020 00:43

Instrument :

MSVOA_L

ClientSampled :

IA3DL

Tot Ion: 91 Resp: 100604

Ion Ratio Lower Upper

91 100

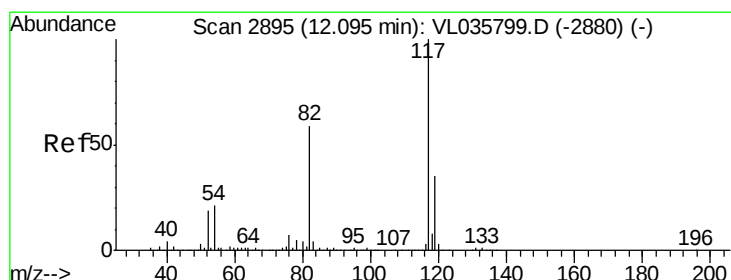
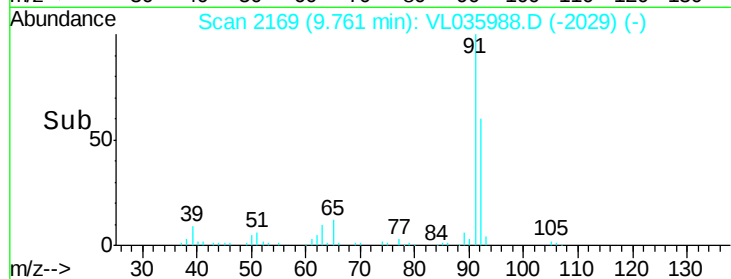
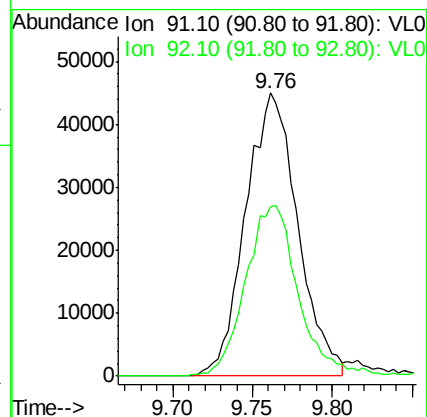
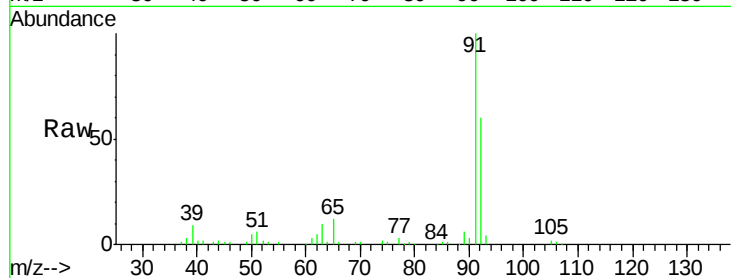
92 61.2 49.8 74.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2878

Delta R.T. -0.05 min

Lab File: VL035988.D

Acq: 19 Nov 2020 00:43

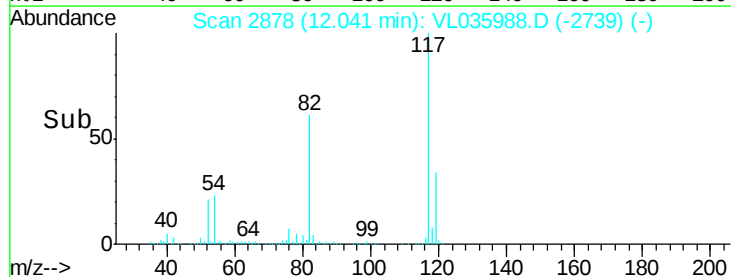
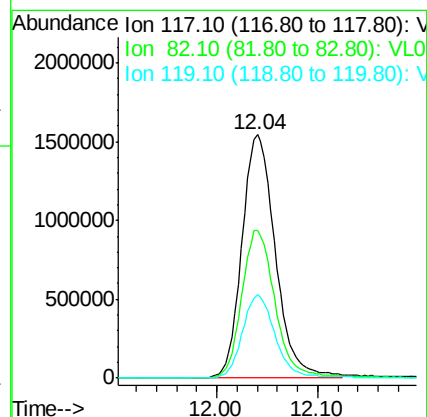
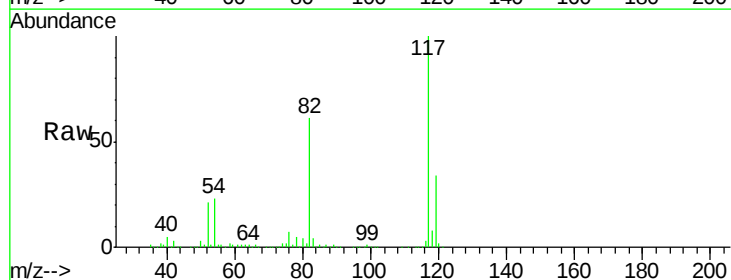
Tgt Ion: 117 Resp: 3552404

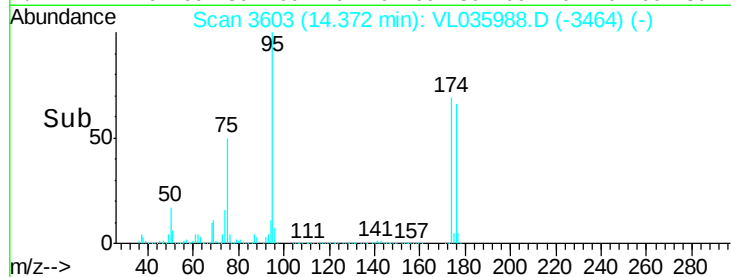
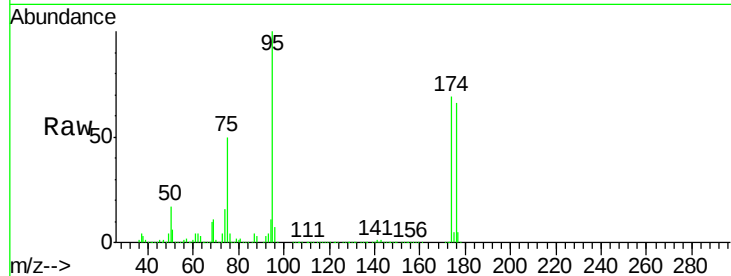
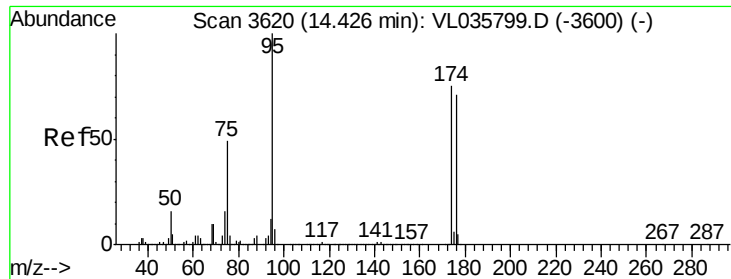
Ion Ratio Lower Upper

117 100

82 61.9 50.6 76.0

119 34.2 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.447 ppbv

RT: 14.37 min Scan# 3603

Delta R.T. -0.05 min

Lab File: VL035988.D

Acq: 19 Nov 2020 00:43

Tot Ion: 95 Resp: 2636779

Ion Ratio Lower Upper

95 100

174 70.3 59.8 89.6

175 4.9 4.3 6.5

Instrument :

MSVOA_L

ClientSampleId :

IA3DL

Manual Integrations

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