

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035981.D
 Acq On : 18 Nov 2020 20:04
 Operator : SY/AP
 Sample : L4781-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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 11/20/2020 12:27:35 PM

Quant Time: Nov 19 09:08:57 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	5.63	49	1072468	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3804496	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	3641146	10.00	ppbv	-0.05

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.37	95	2666077	10.31	ppbv	-0.05	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	7109	0.151	ppbv	96
13) Ethanol	3.58	45	81584m	8.000	ppbv	
15) Acetone	3.83	43	109769	0.957	ppbv	90
19) Isopropyl Alcohol	3.96	45	16503m	0.234	ppbv	
20) Methylene Chloride	4.31	84	233358	2.891	ppbv	95
26) Hexane	5.65	57	103180	0.828	ppbv #	43
53) Toluene	9.76	91	53529	0.157	ppbv	93

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

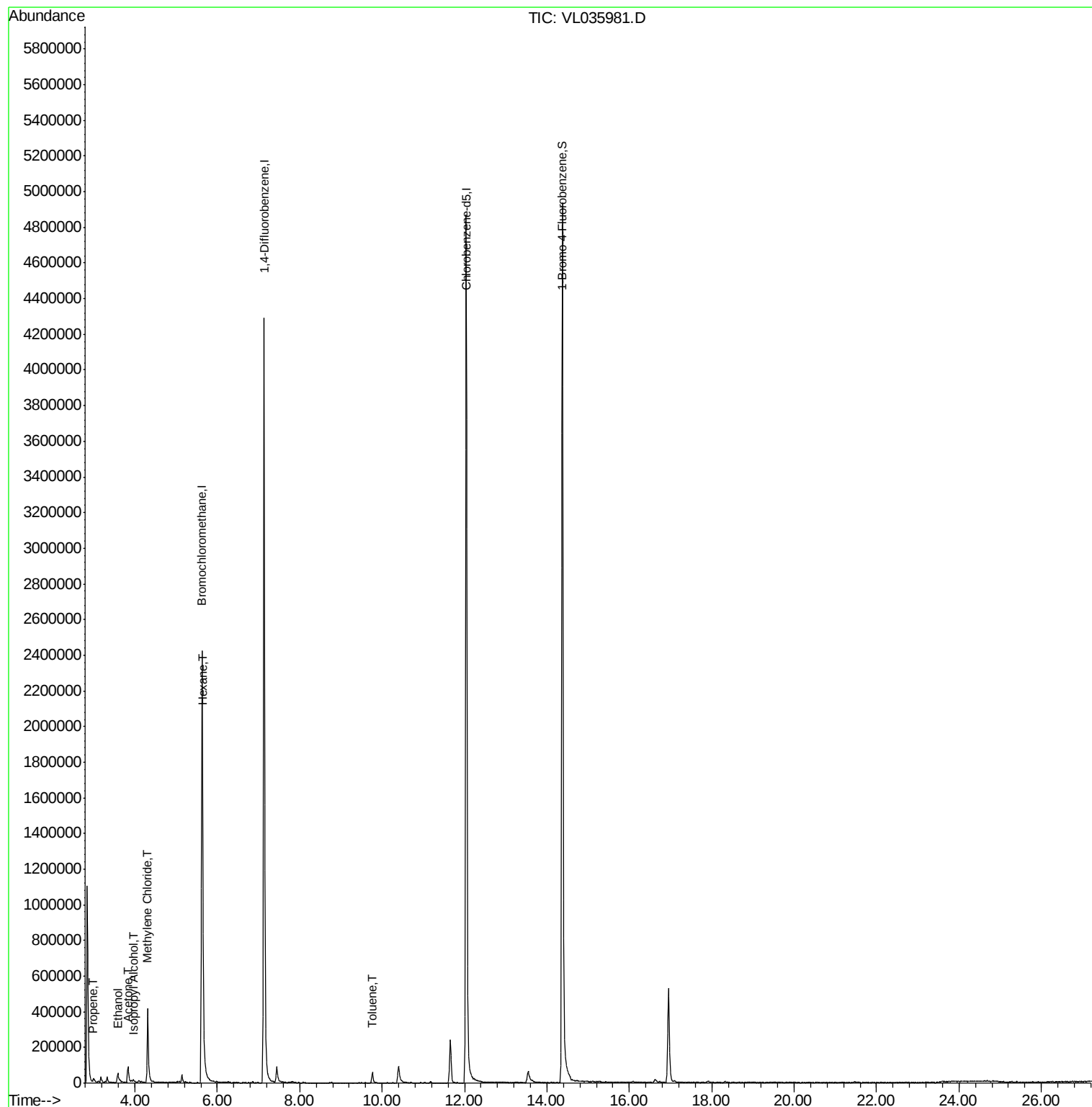
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Data File : VL035981.D
Acq On : 18 Nov 2020 20:04
Operator : SY/AP
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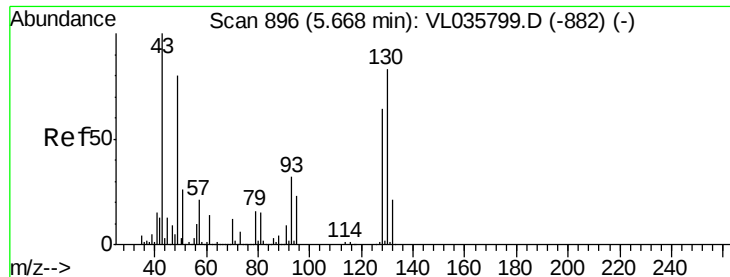
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

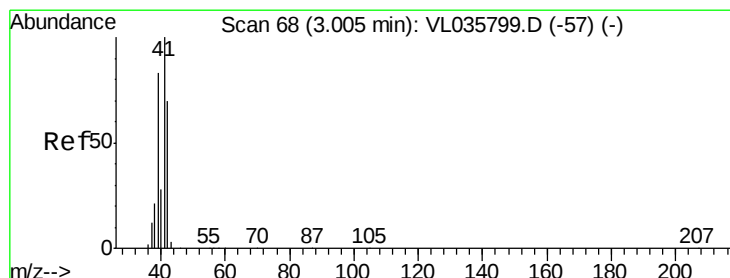
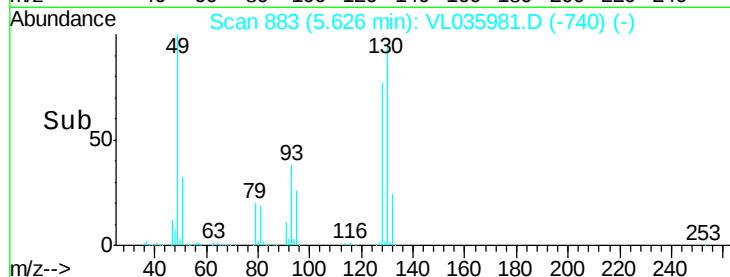
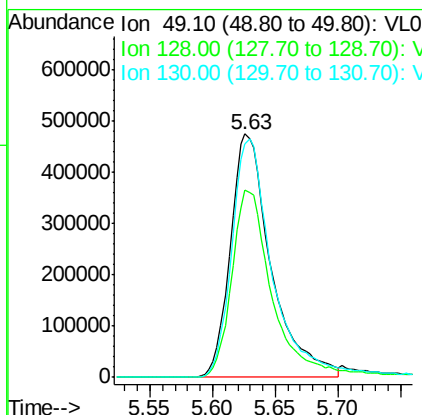
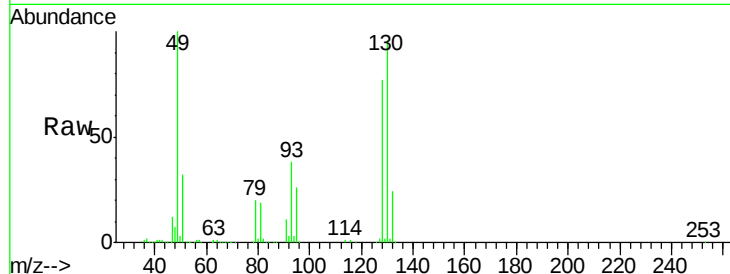
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.63 min Scan# 883
 Delta R.T. -0.04 min
 Lab File: VL035981.D
 Acq: 18 Nov 2020 20:04

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion: 49 Resp: 1072468
 Ion Ratio Lower Upper
 49 100
 128 79.3 41.5 124.6
 130 101.2 53.7 161.1

Manual Integrations
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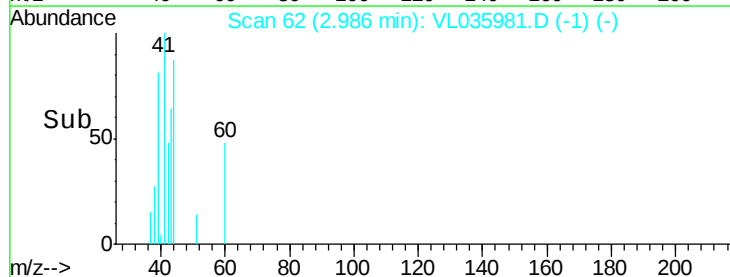
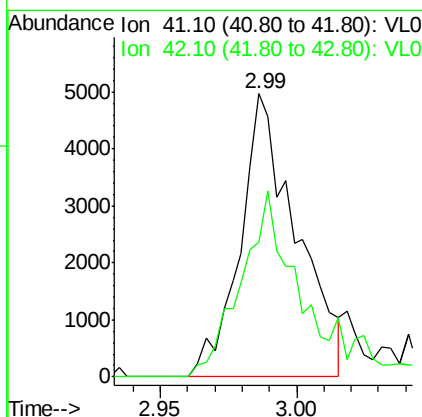
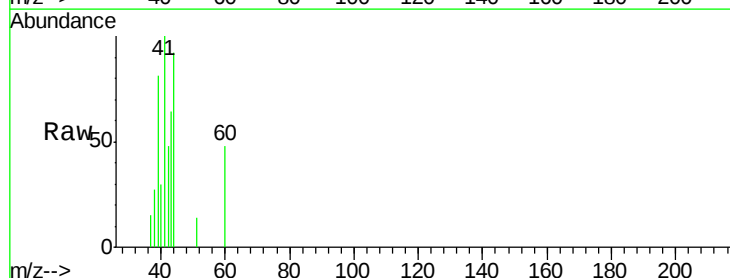
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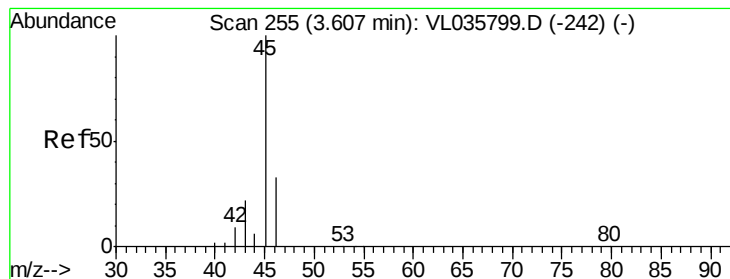


#9

Propene
 Concen: 0.151 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.02 min
 Lab File: VL035981.D
 Acq: 18 Nov 2020 20:04

Tgt Ion: 41 Resp: 7109
 Ion Ratio Lower Upper
 41 100
 42 73.5 56.2 84.4





#13

Ethanol

Concen: 8.000 ppbv m

RT: 3.58 min Scan# 246

Delta R.T. -0.03 min

Lab File: VL035981.D

Acq: 18 Nov 2020 20:04

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 45 Resp: 81584

Ion Ratio Lower Upper

45 100

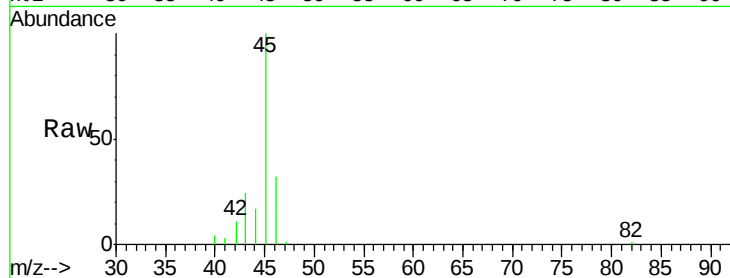
46 0.0 16.1 64.5#

Manual Integrations

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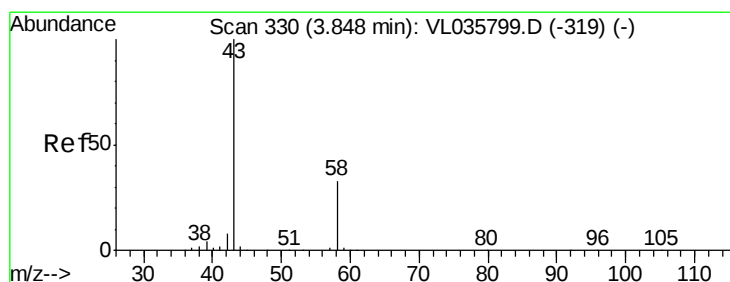
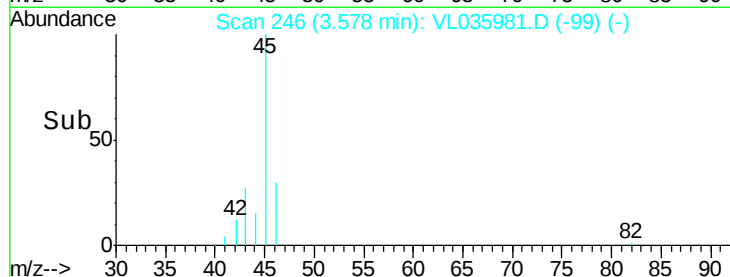
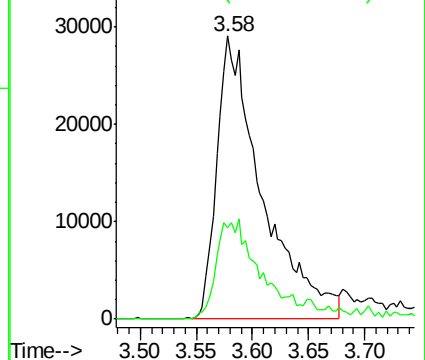
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.957 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035981.D

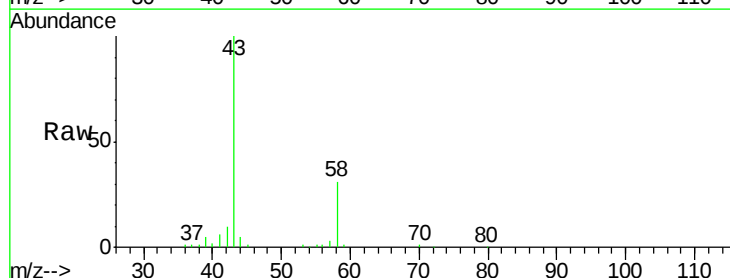
Acq: 18 Nov 2020 20:04

Tgt Ion: 43 Resp: 109769

Ion Ratio Lower Upper

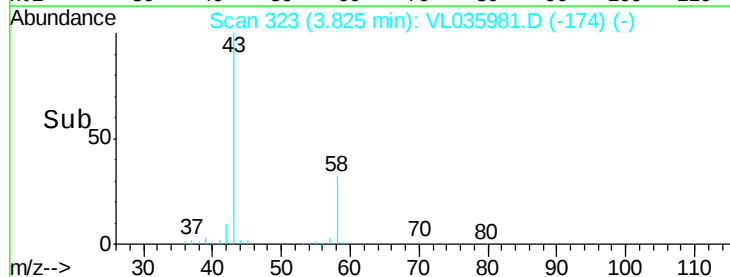
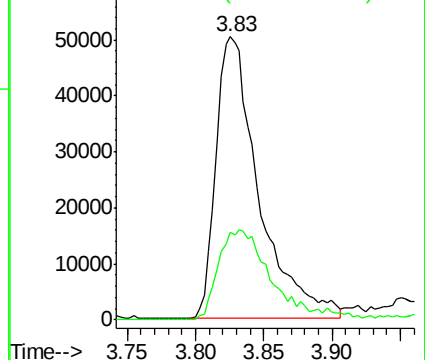
43 100

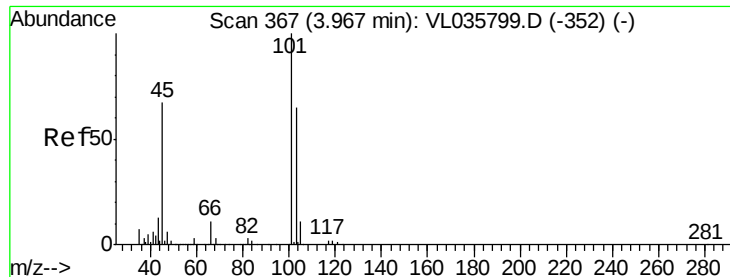
58 40.2 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#19

Isopropyl Alcohol

Concen: 0.234 ppbv m

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL035981.D

Acq: 18 Nov 2020 20:04

Instrument :

MSVOA_L

ClientSampled :

IA1DL

Tot Ion: 45 Resp: 16503

Ion Ratio Lower Upper

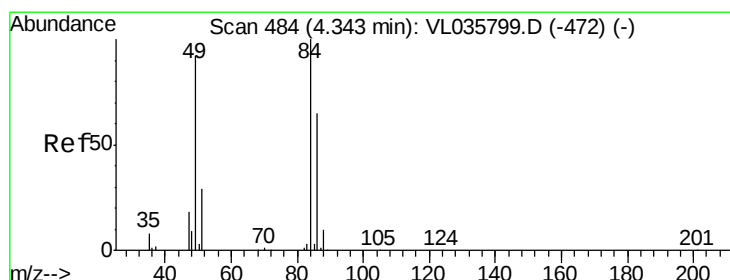
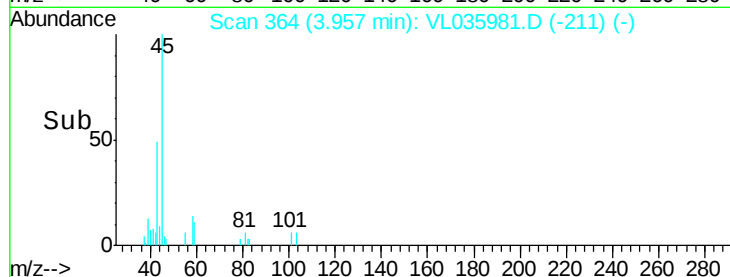
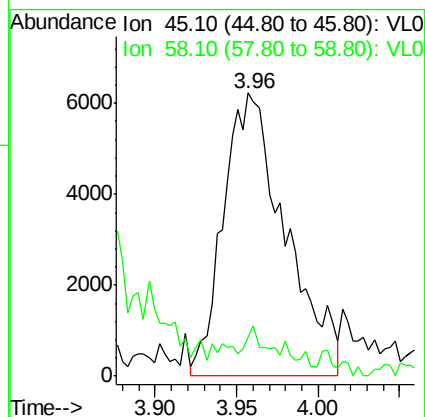
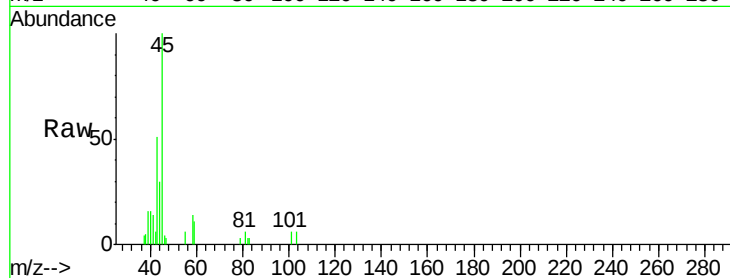
45 100

58 0.0 2.6 3.8#

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#20

Methylene Chloride

Concen: 2.891 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.03 min

Lab File: VL035981.D

Acq: 18 Nov 2020 20:04

Tgt Ion: 84 Resp: 233358

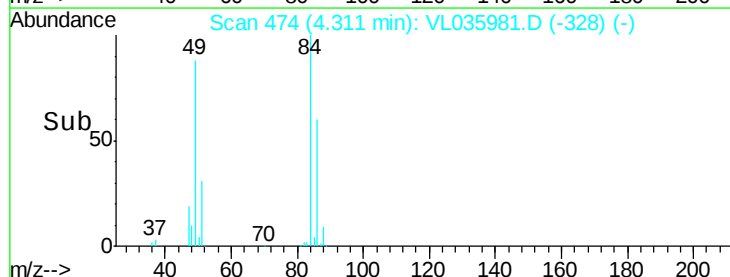
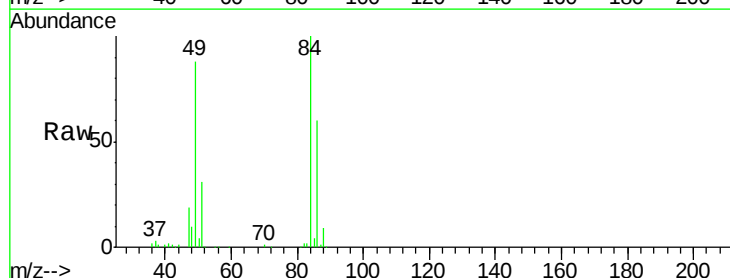
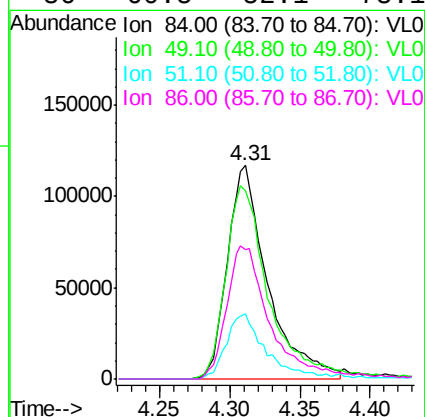
Ion Ratio Lower Upper

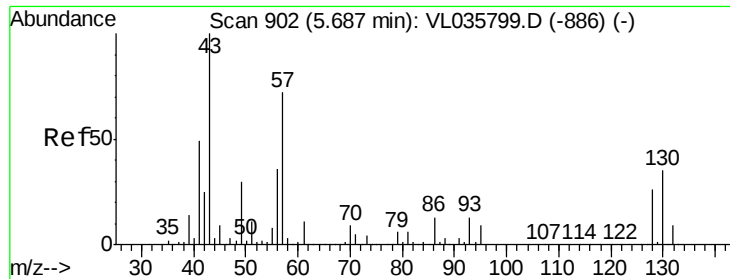
84 100

49 88.2 73.8 110.8

51 30.5 23.0 34.4

86 60.5 52.1 78.1





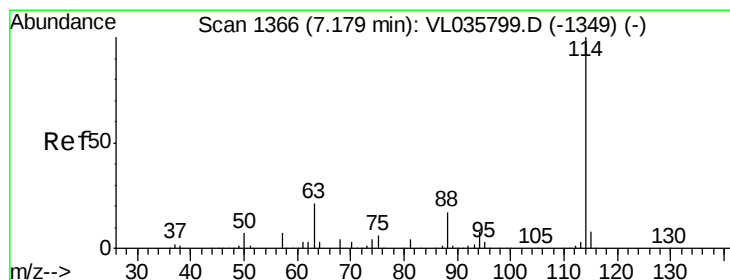
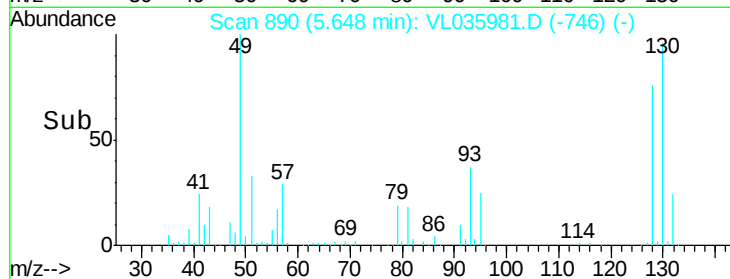
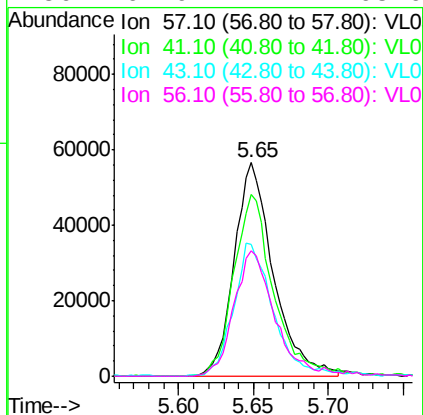
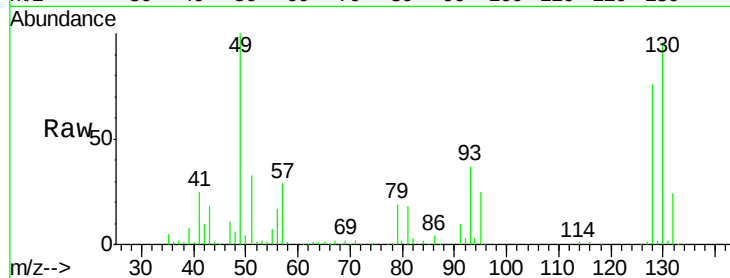
#26
Hexane
Concen: 0.828 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL035981.D
Acq: 18 Nov 2020 20:04

Instrument :
MSVOA_L
ClientSampled :
IA1DL

Tot Ion	Ion	Ratio	Lower	Upper
57	100			
41	88.4	58.9	88.3#	
43	64.8	150.2	225.2#	
56	61.9	42.4	63.6	

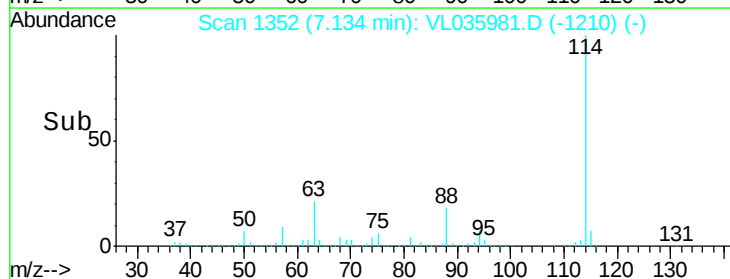
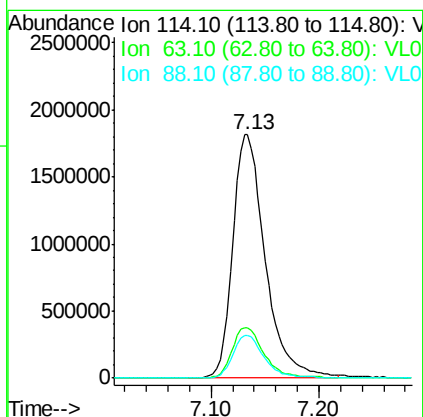
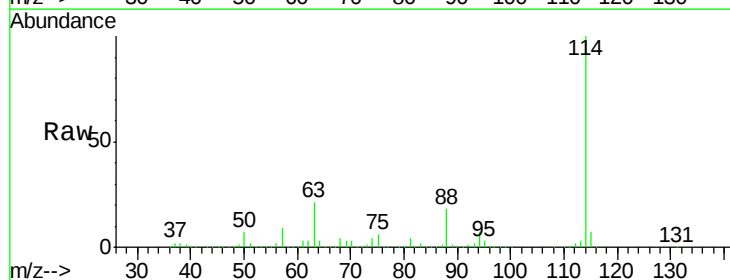
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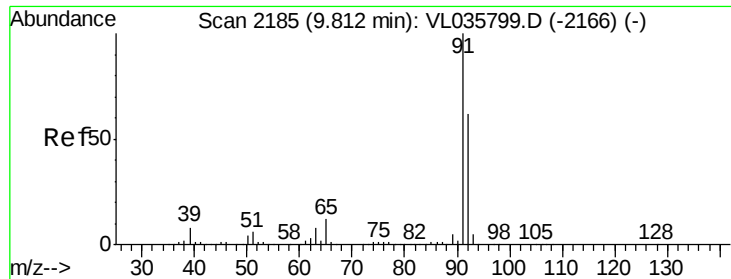
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.04 min
Lab File: VL035981.D
Acq: 18 Nov 2020 20:04

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	20.9	16.1	24.1	
88	17.3	13.7	20.5	





#53

Toluene

Concen: 0.157 ppbv

RT: 9.76 min Scan# 2169

Delta R.T. -0.05 min

Lab File: VL035981.D

Acq: 18 Nov 2020 20:04

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 91 Resp: 53529

Ion Ratio Lower Upper

91 100

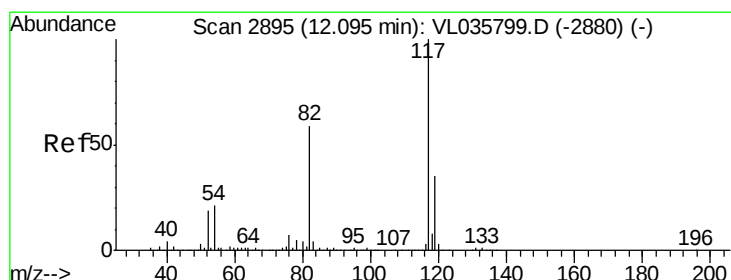
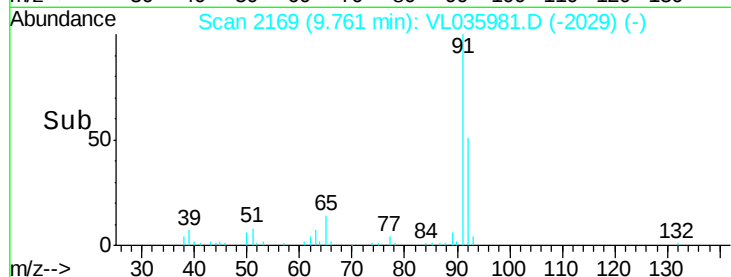
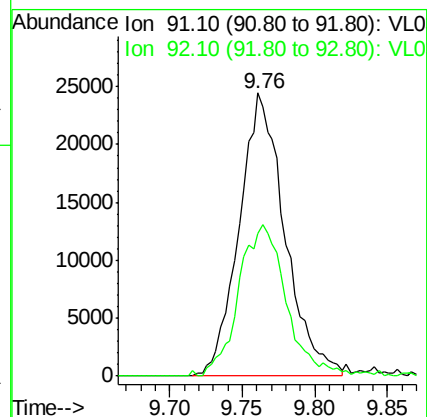
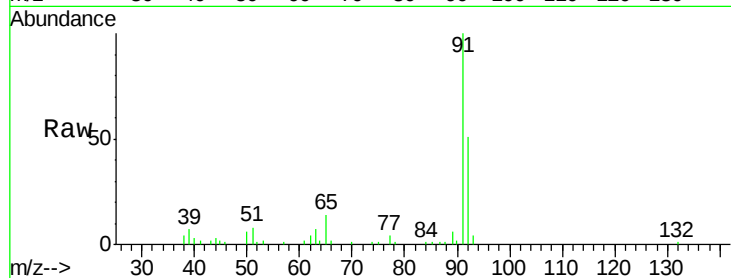
92 56.6 49.8 74.6

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: VL035981.D

Acq: 18 Nov 2020 20:04

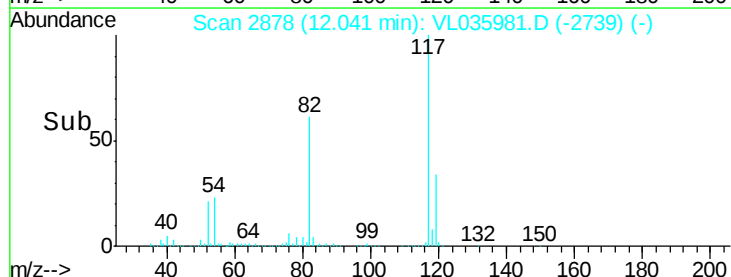
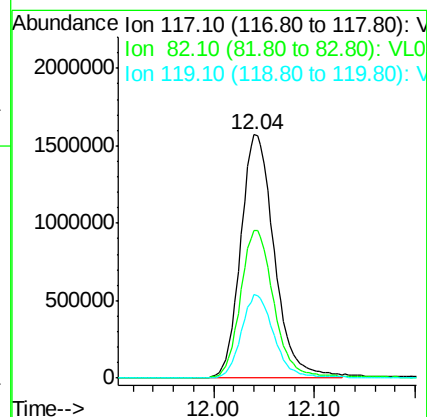
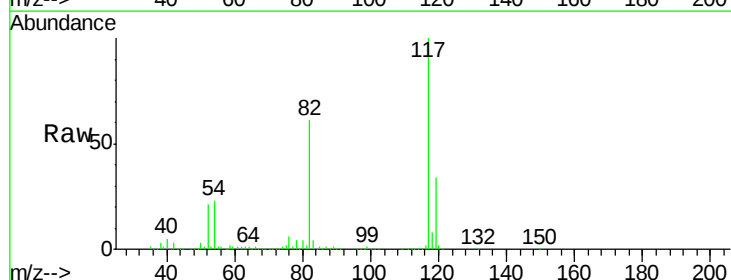
Tgt Ion: 117 Resp: 3641146

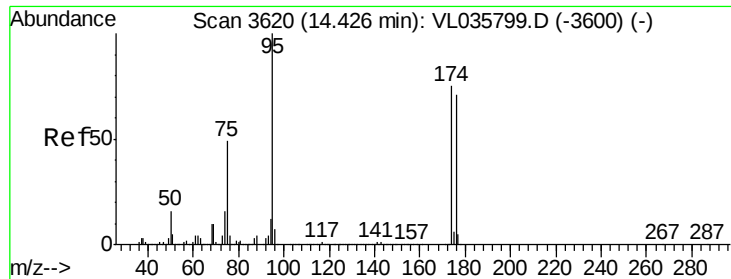
Ion Ratio Lower Upper

117 100

82 61.7 50.6 76.0

119 33.9 52.6 78.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.306 ppbv
 RT: 14.37 min Scan# 3604
 Delta R.T. -0.05 min
 Lab File: VL035981.D
 Acq: 18 Nov 2020 20:04

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.6	59.8	89.6
175	5.0	4.3	6.5

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