

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035920.D
 Acq On : 12 Nov 2020 19:20
 Operator : SY/AP
 Sample : L4720-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-4DL

Manual Integrations
 APPROVED

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Quant Time: Nov 13 03:16:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04
 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	5.66	49	1175109	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4028413	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3745415	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2717947	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	12225m	0.237	ppbv	
13) Ethanol	3.61	45	3865648	345.950	ppbv	95
15) Acetone	3.85	43	229178	1.824	ppbv	94
19) Isopropyl Alcohol	3.97	45	1098336	14.227	ppbv	99
20) Methylene Chloride	4.34	84	150717	1.704	ppbv	94
26) Hexane	5.68	57	70899	0.519	ppbv #	53
53) Toluene	9.80	91	91652m	0.254	ppbv	

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

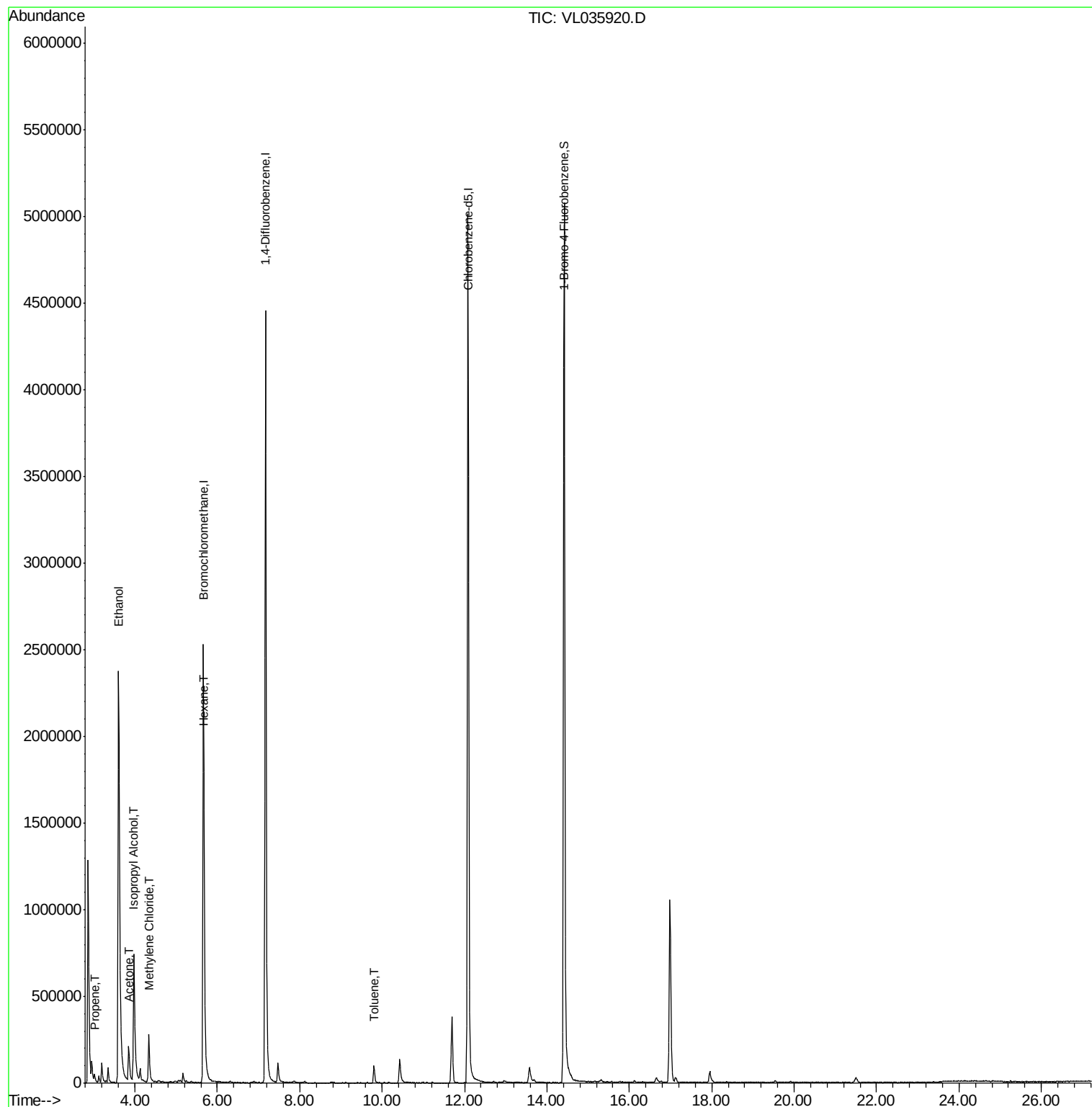
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111220\
Data File : VL035920.D
Acq On : 12 Nov 2020 19:20
Operator : SY/AP
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Misc : 400ml/MSVOA L
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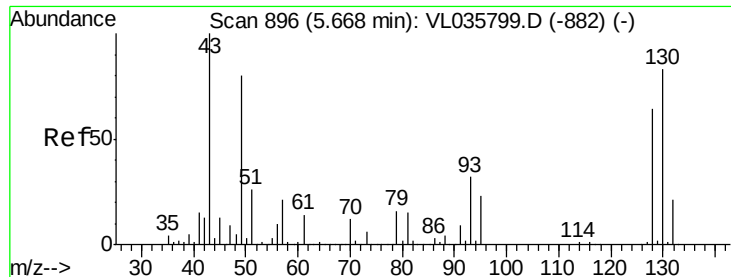
Instrument :
MSVOA_L
ClientSampleId :
CVS-4DL

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Quant Time: Nov 13 03:16:29 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: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035920.D

Acq: 12 Nov 2020 19:20

Instrument :

MSVOA_L

ClientSampleId :

CVS-4DL

Tot Ion: 49 Resp: 1175109

Ion Ratio Lower Upper

49 100

128 75.7 41.5 124.6

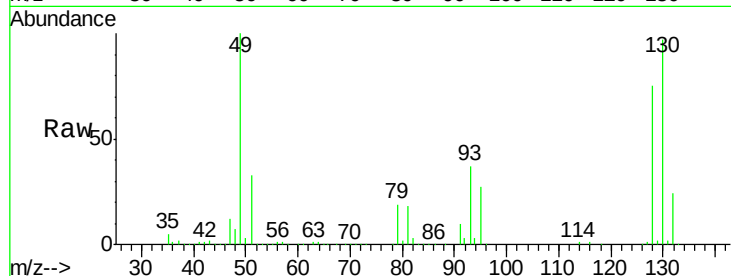
130 97.5 53.7 161.1

Manual Integrations

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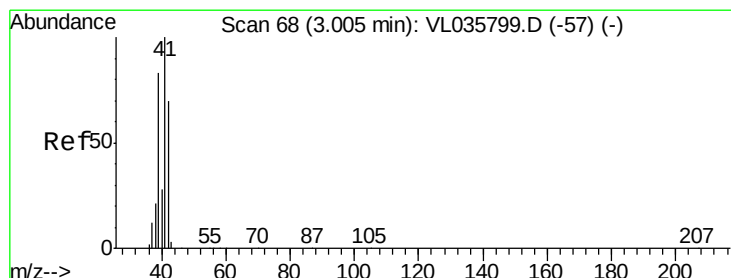
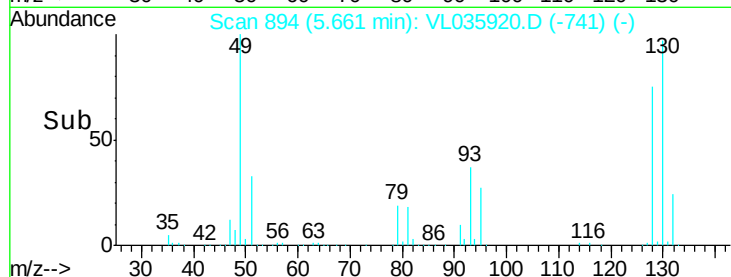
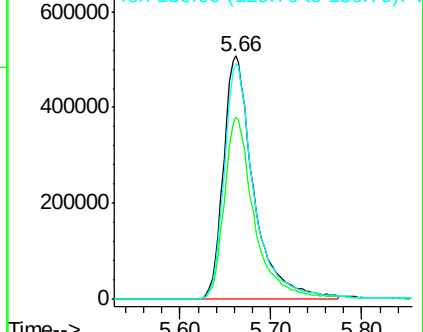
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.237 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL035920.D

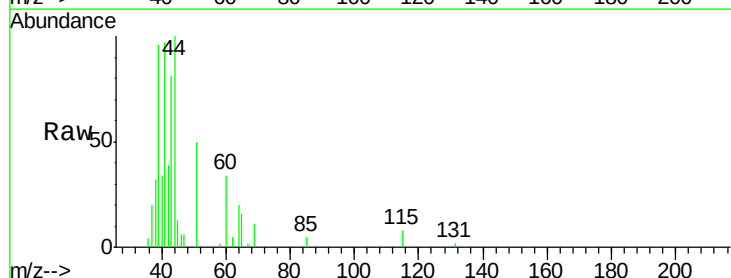
Acq: 12 Nov 2020 19:20

Tgt Ion: 41 Resp: 12225

Ion Ratio Lower Upper

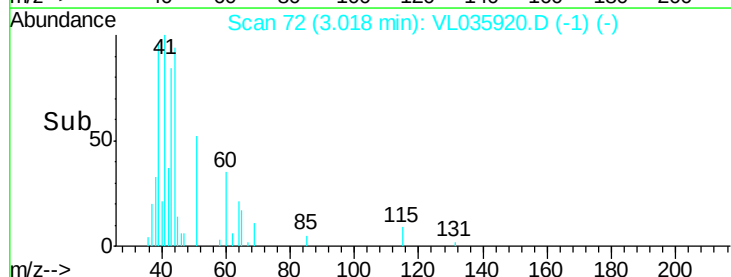
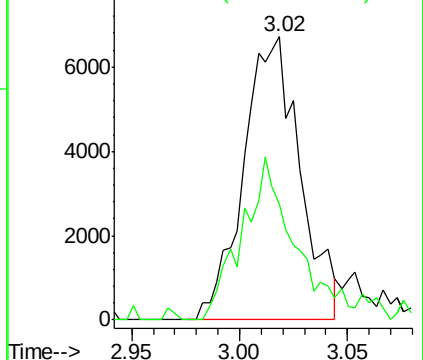
41 100

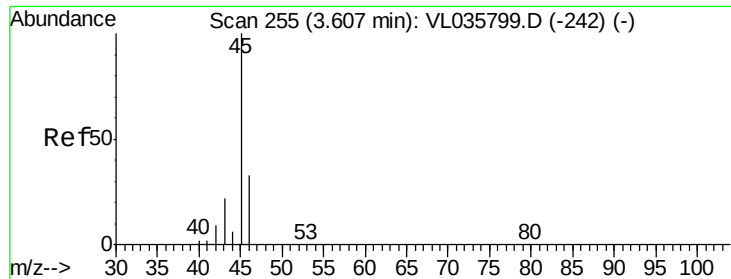
42 235.3 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 345.950 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035920.D

Acq: 12 Nov 2020 19:20

Instrument :

MSVOA_L

ClientSampled :

CVS-4DL

Tot Ion: 45 Resp: 3865648

Ion Ratio Lower Upper

45 100

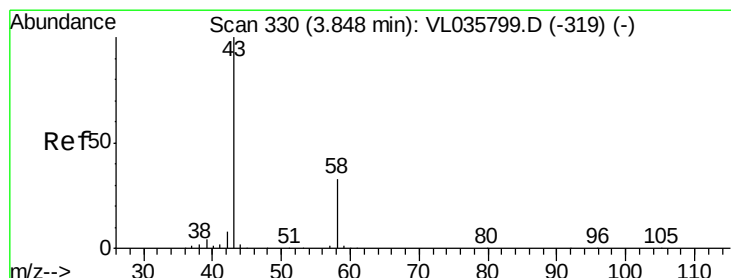
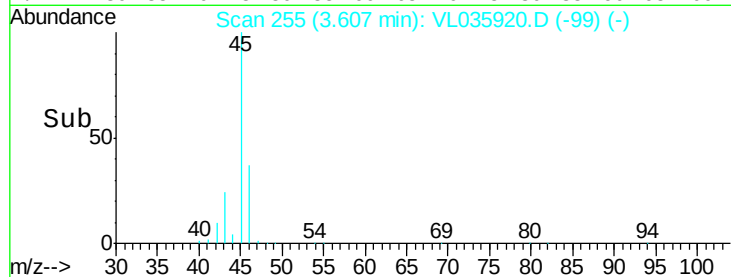
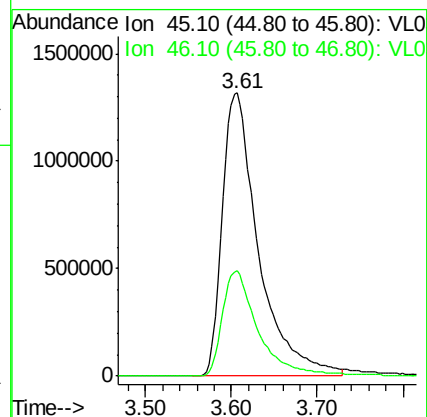
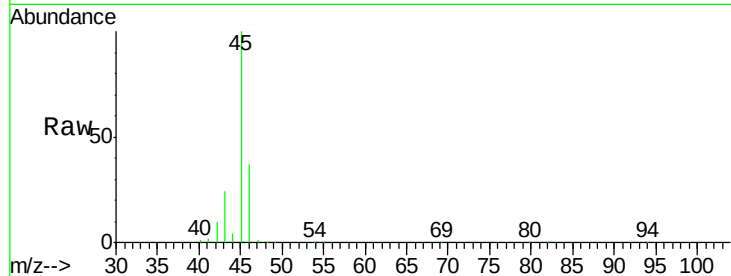
46 37.4 16.1 64.5

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#15

Acetone

Concen: 1.824 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035920.D

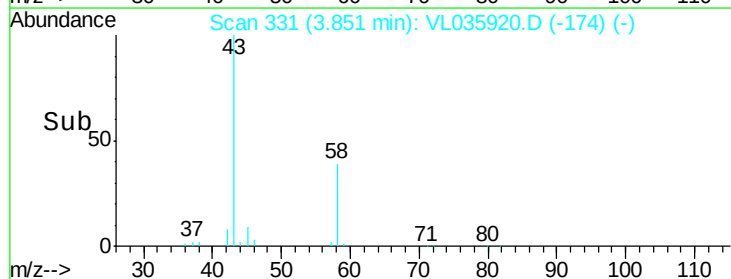
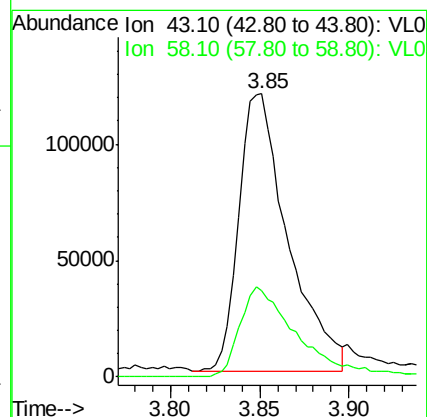
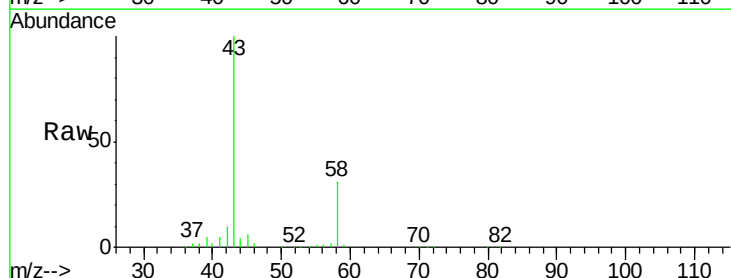
Acq: 12 Nov 2020 19:20

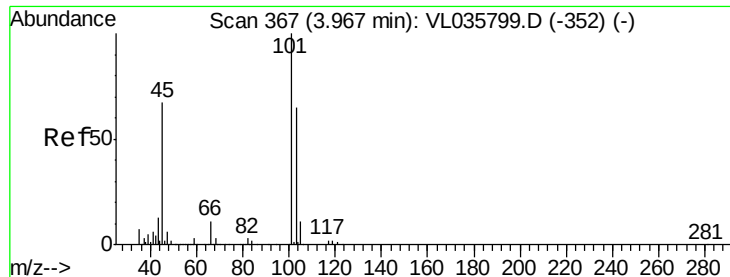
Tgt Ion: 43 Resp: 229178

Ion Ratio Lower Upper

43 100

58 37.8 27.5 41.3





#19

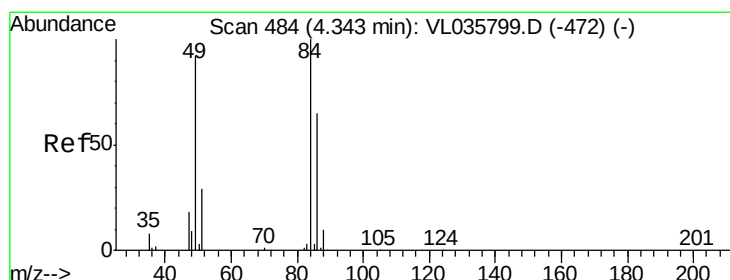
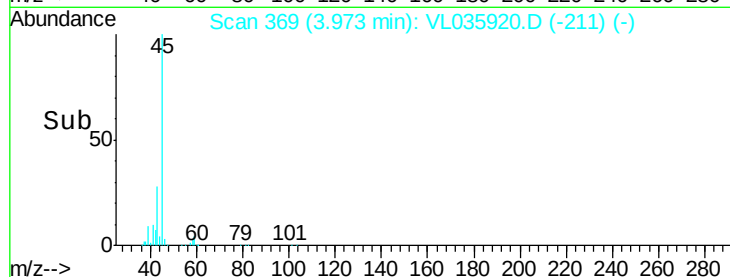
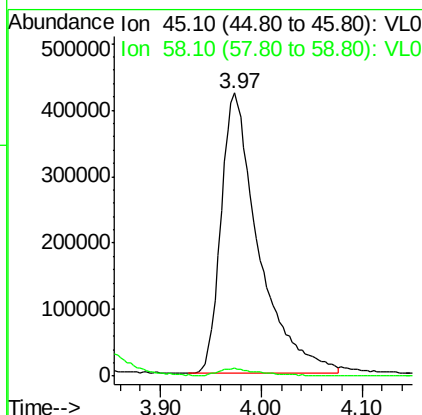
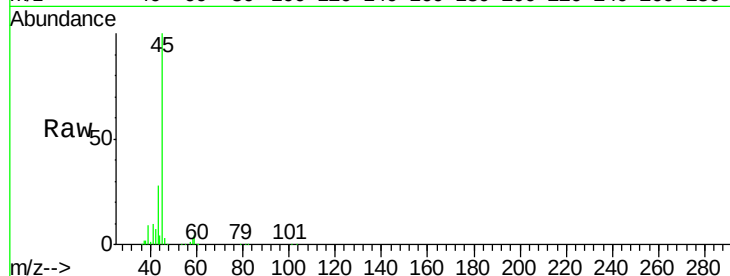
Isopropyl Alcohol
 Concen: 14.227 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VL035920.D
 Acq: 12 Nov 2020 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-4DL

Tot Ion: 45 Resp: 1098336
 Ion Ratio Lower Upper
 45 100
 58 3.7 2.6 3.8

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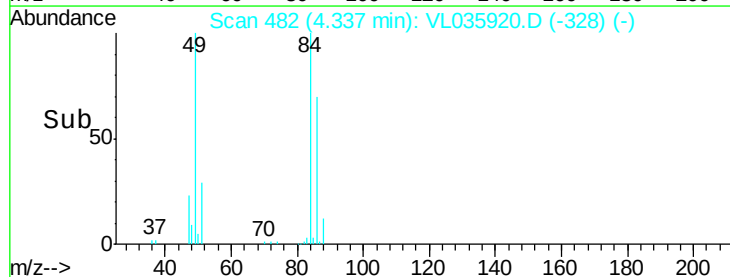
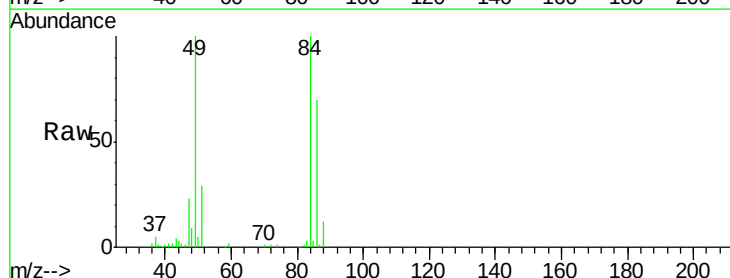
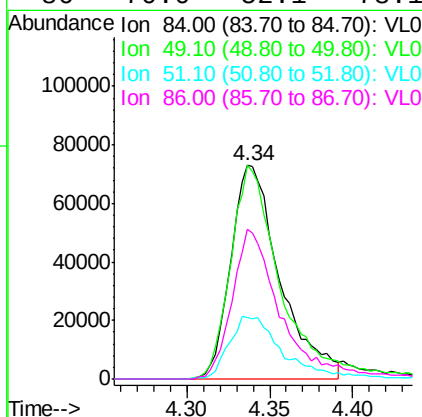
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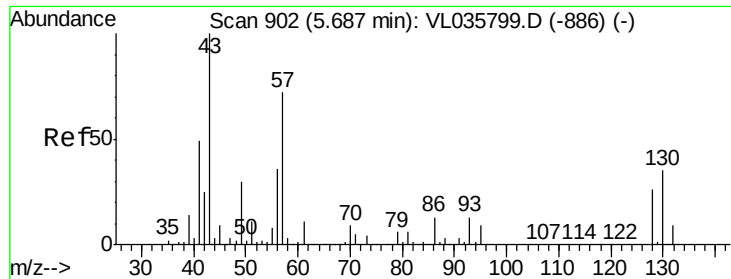


#20

Methylene Chloride
 Concen: 1.704 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL035920.D
 Acq: 12 Nov 2020 19:20

Tgt Ion: 84 Resp: 150717
 Ion Ratio Lower Upper
 84 100
 49 100.2 73.8 110.8
 51 29.0 23.0 34.4
 86 70.0 52.1 78.1





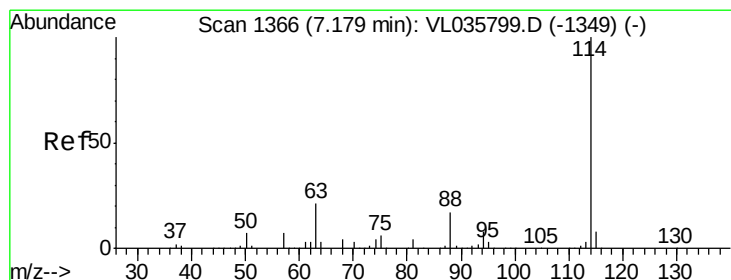
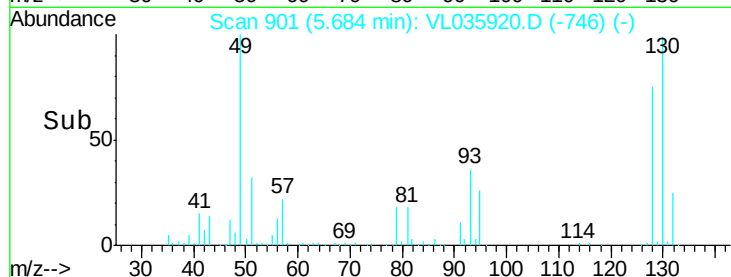
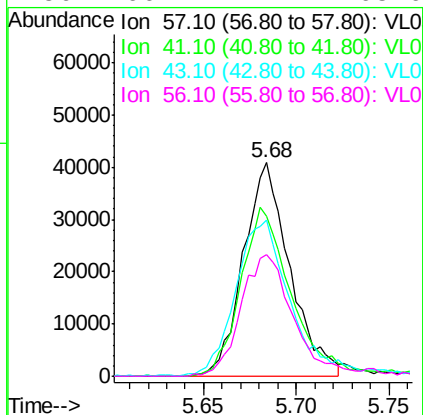
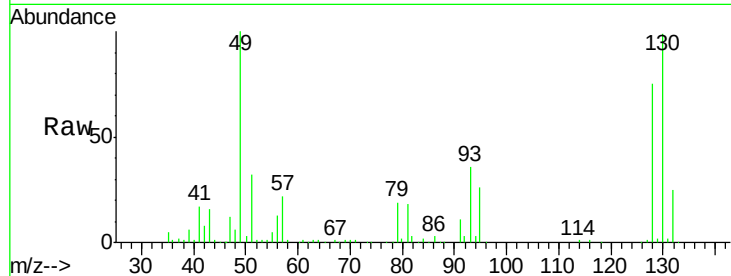
#26
Hexane
Concen: 0.519 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035920.D
Acq: 12 Nov 2020 19:20

Instrument :
MSVOA_L
ClientSampled :
CVS-4DL

Tot Ion: 57 Resp: 70899
Ion Ratio Lower Upper
57 100
41 89.1 58.9 88.3#
43 90.2 150.2 225.2#
56 66.1 42.4 63.6#

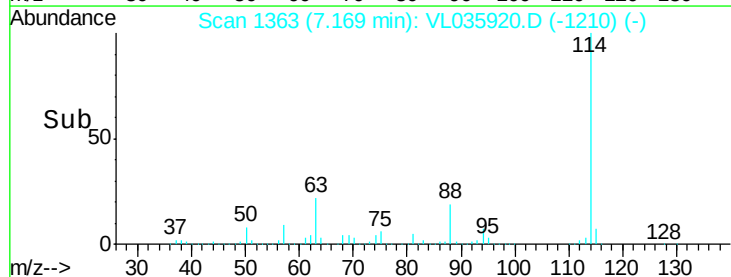
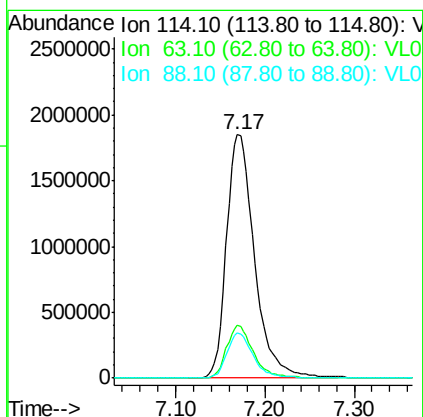
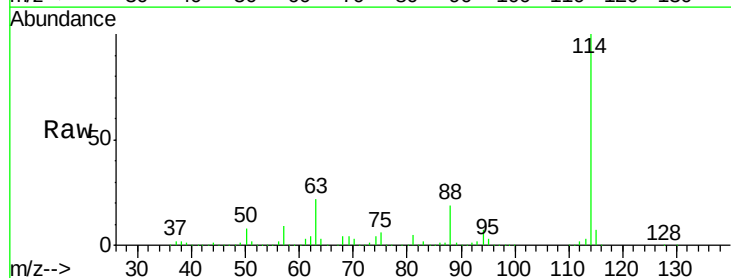
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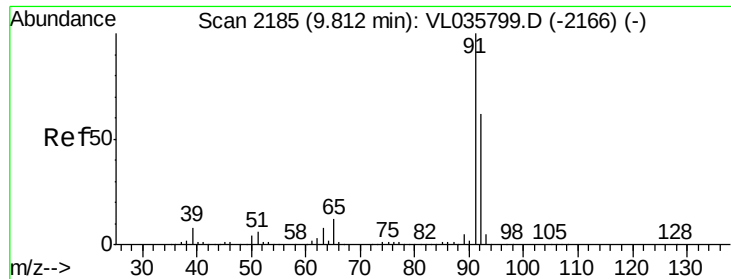
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035920.D
Acq: 12 Nov 2020 19:20

Tgt Ion: 114 Resp: 4028413
Ion Ratio Lower Upper
114 100
63 20.9 16.1 24.1
88 17.5 13.7 20.5





#53

Toluene

Concen: 0.254 ppbv m

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL035920.D

Acq: 12 Nov 2020 19:20

Instrument :

MSVOA_L

ClientSampleId :

CVS-4DL

Tot Ion: 91 Resp: 91652

Ion Ratio Lower Upper

91 100

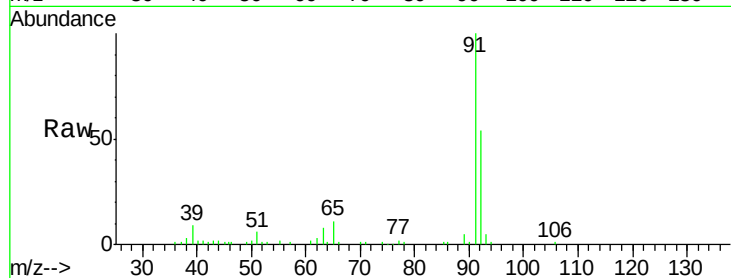
92 56.1 49.8 74.6

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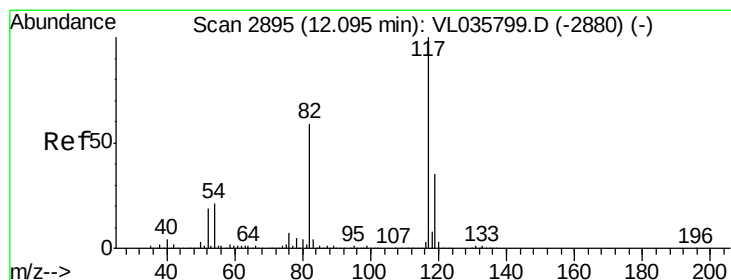
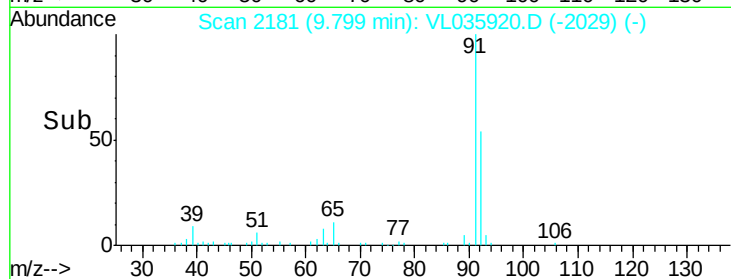
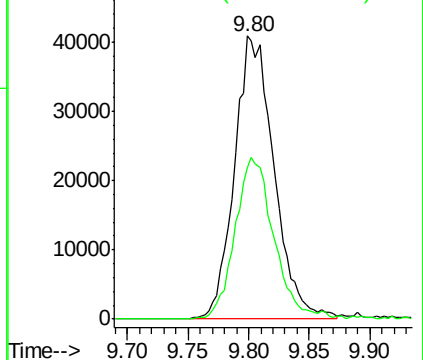
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL035920.D

Acq: 12 Nov 2020 19:20

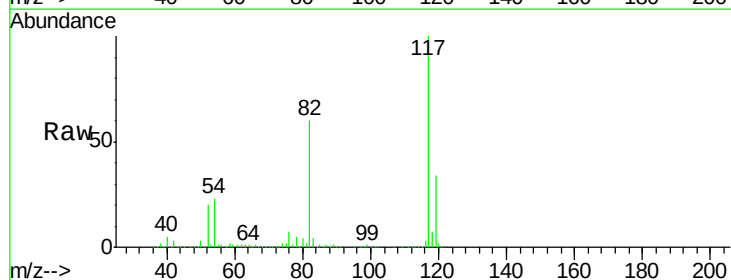
Tgt Ion: 117 Resp: 3745415

Ion Ratio Lower Upper

117 100

82 61.2 50.6 76.0

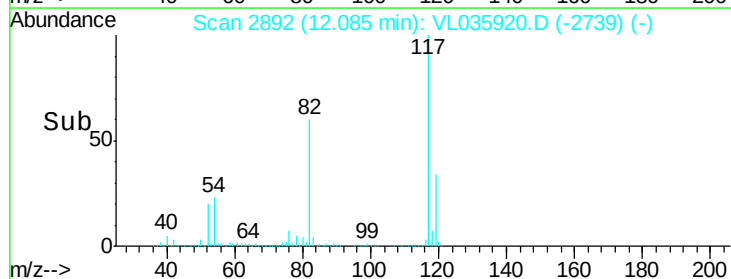
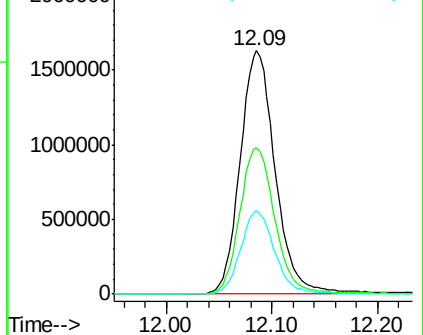
119 34.1 52.6 78.8#

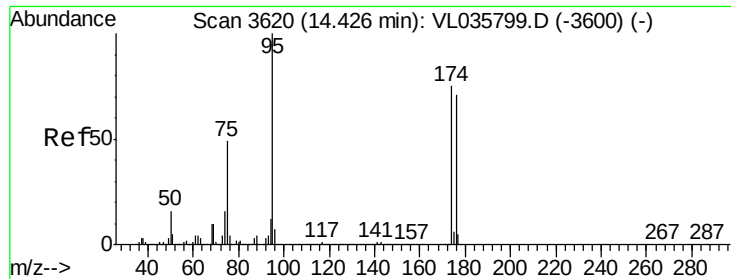


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.214 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL035920.D
 Acq: 12 Nov 2020 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-4DL

Tot Ion: 95 Resp: 2717947
 Ion Ratio Lower Upper
 95 100
 174 73.5 59.8 89.6
 175 5.1 4.3 6.5

Manual Integrations
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