

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035931.D
 Acq On : 13 Nov 2020 2:34
 Operator : SY/AP
 Sample : L4721-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LA-4DL

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:31:28 PM

Quant Time: Nov 13 03:54:15 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	5.66	49	1067211	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3756541	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3442419	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2550921	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	11178m	0.239	ppbv	
13) Ethanol	3.60	45	51915	5.116	ppbv	93
15) Acetone	3.85	43	95905	0.841	ppbv #	86
19) Isopropyl Alcohol	3.97	45	41592m	0.593	ppbv	
20) Methylene Chloride	4.33	84	66520	0.828	ppbv	100
26) Hexane	5.68	57	45963	0.371	ppbv #	44
53) Toluene	9.80	91	33949	0.101	ppbv	96

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

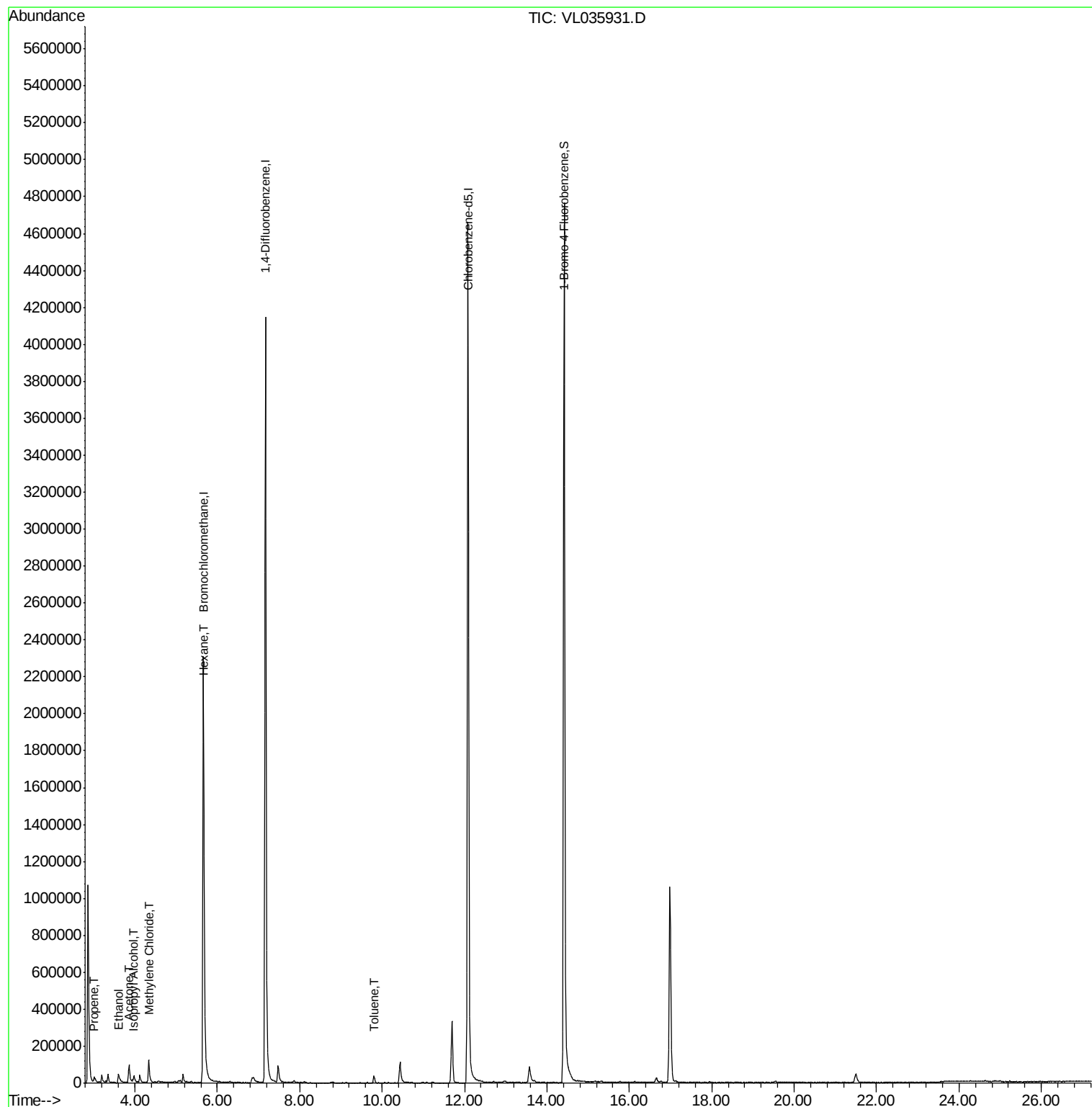
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111220\
Data File : VL035931.D
Acq On : 13 Nov 2020 2:34
Operator : SY/AP
Sample : L4721-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

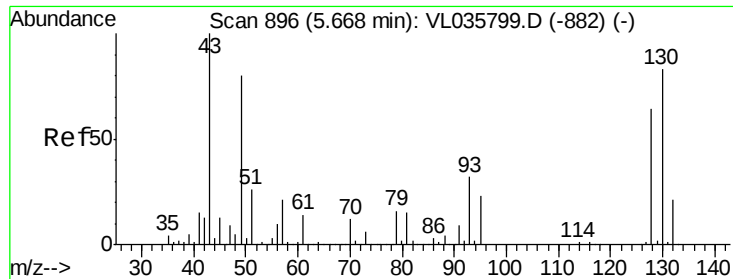
Instrument :
MSVOA_L
ClientSampleId :
LA-4DL

Manual Integrations
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11/16/2020 2:31:28 PM

Quant Time: Nov 13 03:54:15 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# 893

Delta R.T. -0.01 min

Lab File: VL035931.D

Acq: 13 Nov 2020 2:34

Instrument :

MSVOA_L

ClientSampled :

LA-4DL

Tot Ion: 49 Resp: 1067211

Ion Ratio Lower Upper

49 100

128 77.4 41.5 124.6

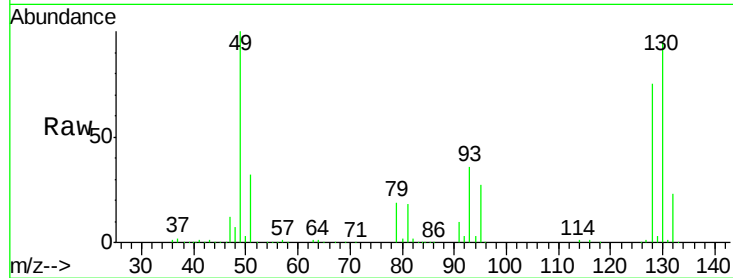
130 98.5 53.7 161.1

Manual Integrations

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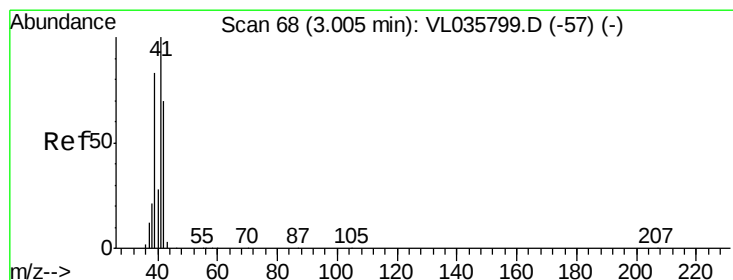
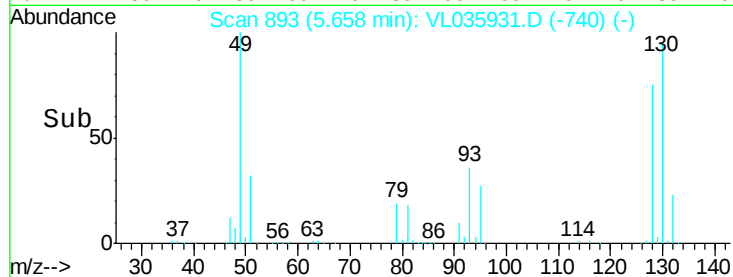
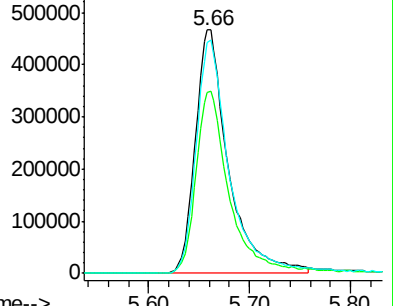
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.239 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035931.D

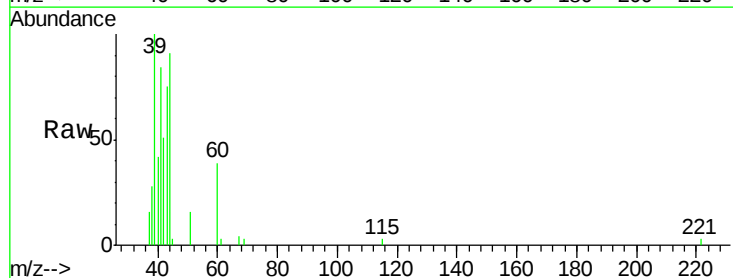
Acq: 13 Nov 2020 2:34

Tgt Ion: 41 Resp: 11178

Ion Ratio Lower Upper

41 100

42 58.5 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

Ion 47.10 (46.80 to 47.80): VL0

Ion 48.10 (47.80 to 48.80): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

Ion 53.10 (52.80 to 53.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

Ion 55.10 (54.80 to 55.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 59.10 (58.80 to 59.80): VL0

Ion 60.10 (59.80 to 60.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

Ion 65.10 (64.80 to 65.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

Ion 67.10 (66.80 to 67.80): VL0

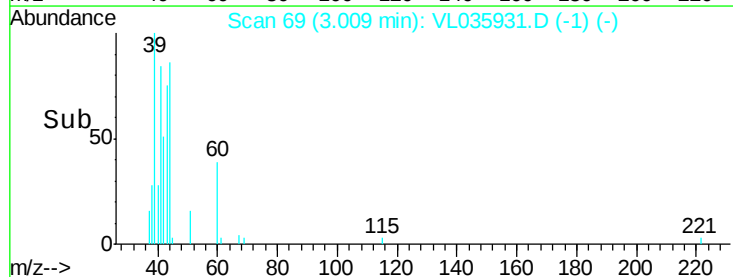
Ion 68.10 (67.80 to 68.80): VL0

Ion 69.10 (68.80 to 69.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

Ion 47.10 (46.80 to 47.80): VL0

Ion 48.10 (47.80 to 48.80): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

Ion 53.10 (52.80 to 53.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

Ion 55.10 (54.80 to 55.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 59.10 (58.80 to 59.80): VL0

Ion 60.10 (59.80 to 60.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

Ion 65.10 (64.80 to 65.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

Ion 67.10 (66.80 to 67.80): VL0

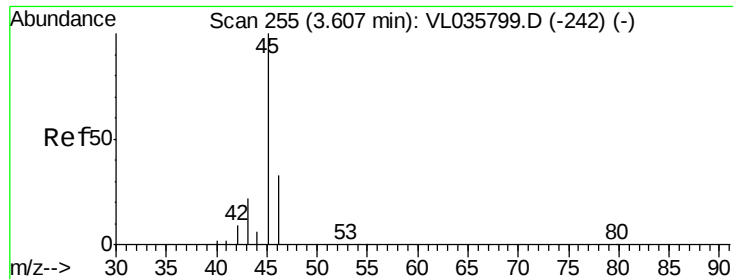
Ion 68.10 (67.80 to 68.80): VL0

Ion 69.10 (68.80 to 69.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



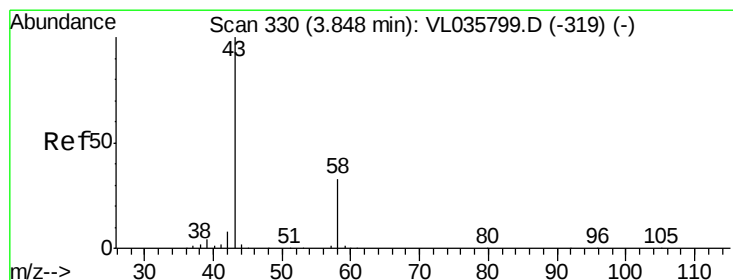
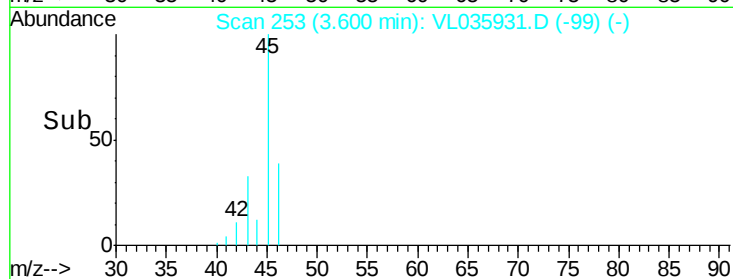
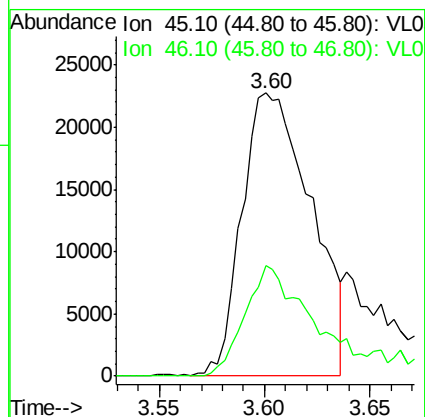
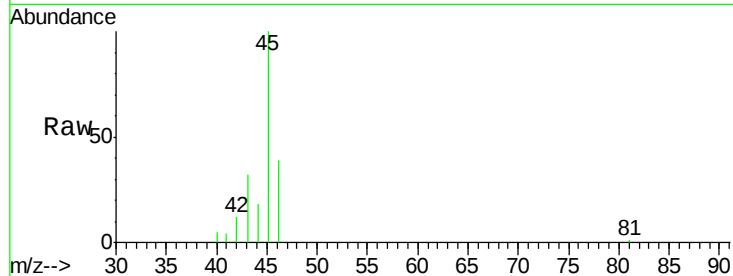
#13
Ethanol
Concen: 5.116 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL035931.D
Acq: 13 Nov 2020 2:34

Instrument :
MSVOA_L
ClientSampled :
LA-4DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	44.8	16.1	64.5

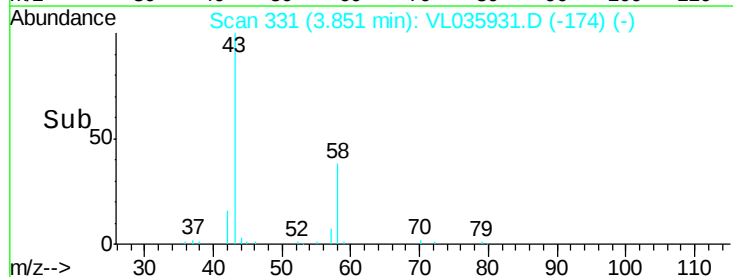
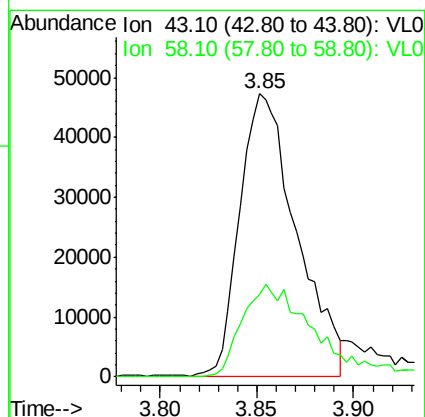
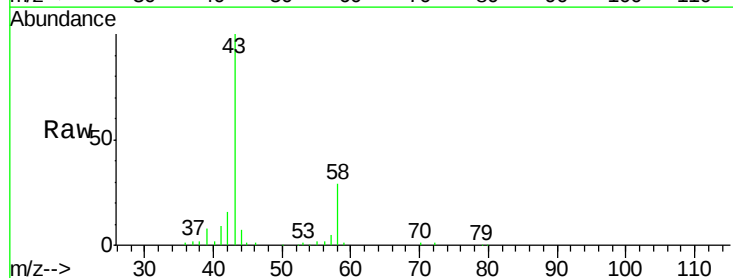
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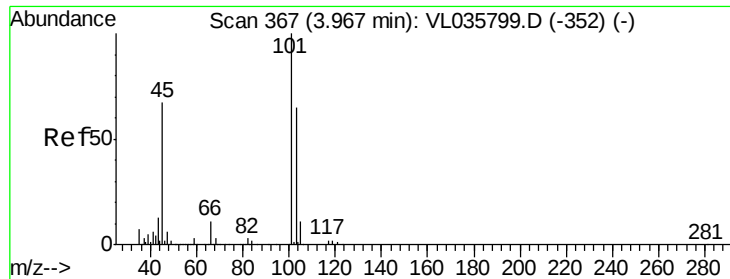
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#15
Acetone
Concen: 0.841 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035931.D
Acq: 13 Nov 2020 2:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.2	27.5	41.3#





#19

Isopropyl Alcohol

Concen: 0.593 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL035931.D

Acq: 13 Nov 2020 2:34

Instrument :

MSVOA_L

ClientSampled :

LA-4DL

Tot Ion: 45 Resp: 41592

Ion Ratio Lower Upper

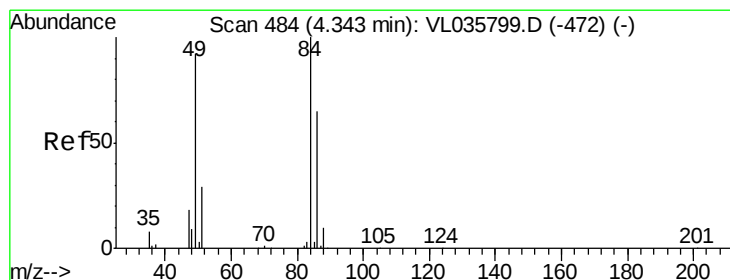
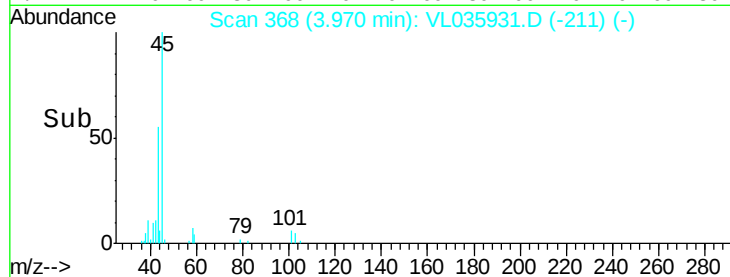
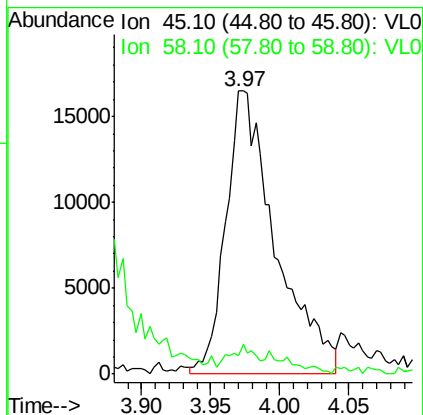
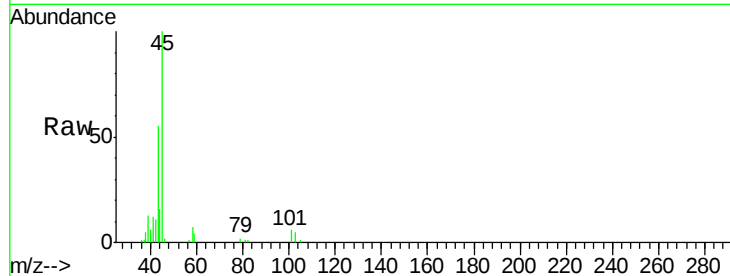
45 100

58 10.4 2.6 3.8#

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#20

Methylene Chloride

Concen: 0.828 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035931.D

Acq: 13 Nov 2020 2:34

Tgt Ion: 84 Resp: 66520

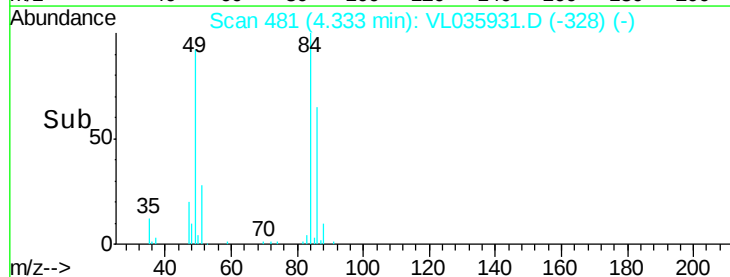
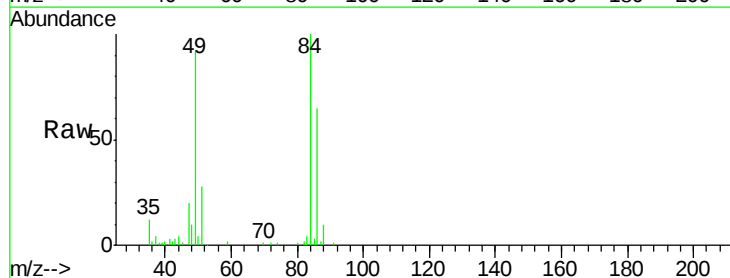
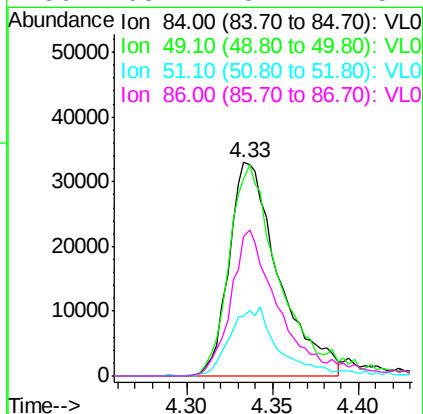
Ion Ratio Lower Upper

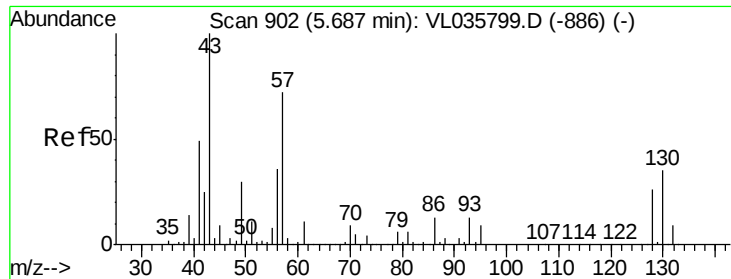
84 100

49 92.2 73.8 110.8

51 27.8 23.0 34.4

86 65.4 52.1 78.1





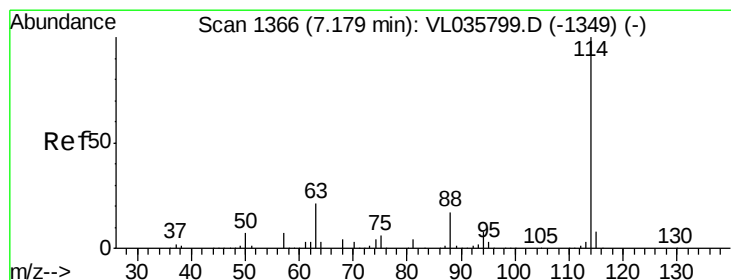
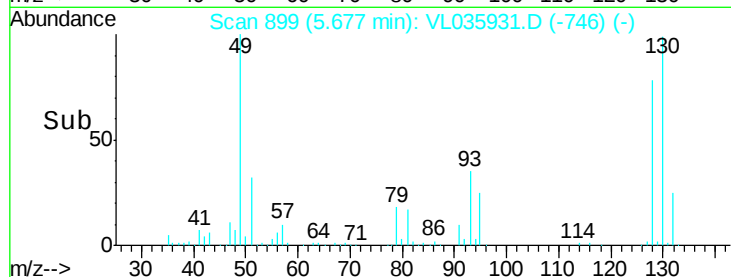
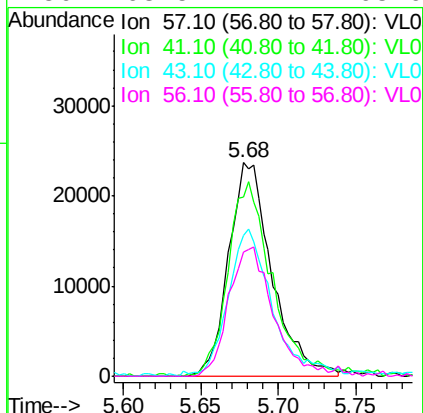
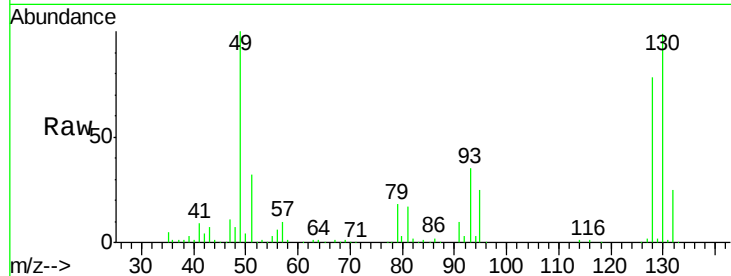
#26
Hexane
Concen: 0.371 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035931.D
Acq: 13 Nov 2020 2:34

Instrument :
MSVOA_L
ClientSampled :
LA-4DL

Tot Ion: 57 Resp: 45963
Ion Ratio Lower Upper
57 100
41 94.5 58.9 88.3#
43 72.0 150.2 225.2#
56 63.5 42.4 63.6

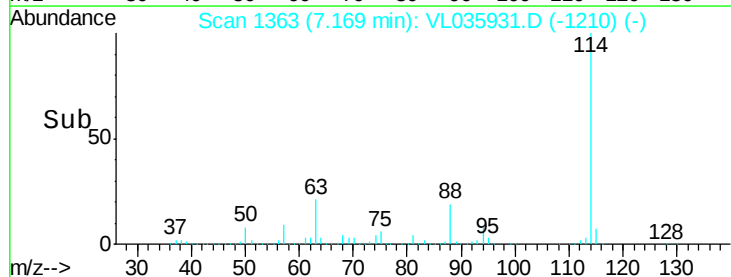
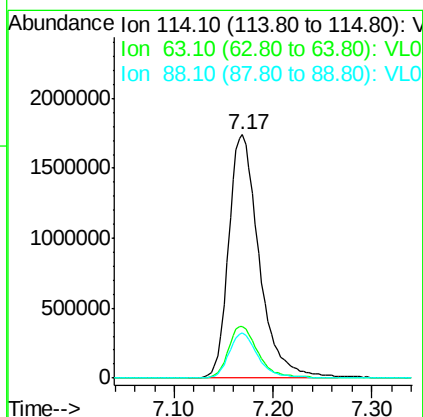
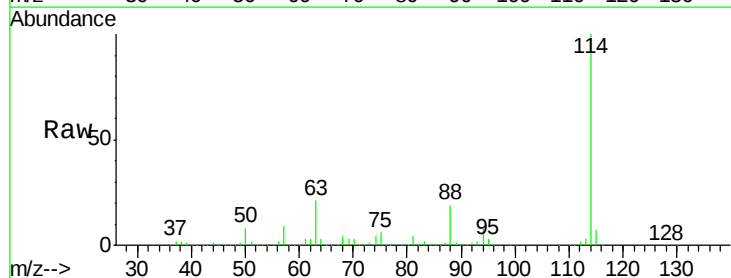
Manual Integrations
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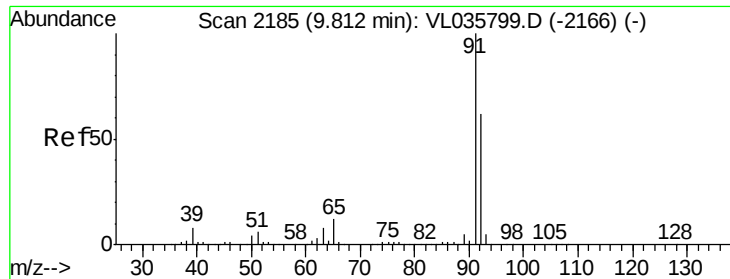
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035931.D
Acq: 13 Nov 2020 2:34

Tgt Ion: 114 Resp: 3756541
Ion Ratio Lower Upper
114 100
63 21.0 16.1 24.1
88 17.7 13.7 20.5





#53

Toluene

Concen: 0.101 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL035931.D

Acq: 13 Nov 2020 2:34

Instrument :

MSVOA_L

ClientSampled :

LA-4DL

Tot Ion: 91 Resp: 33949

Ion Ratio Lower Upper

91 100

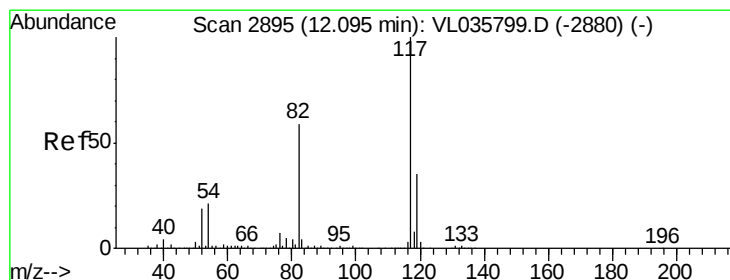
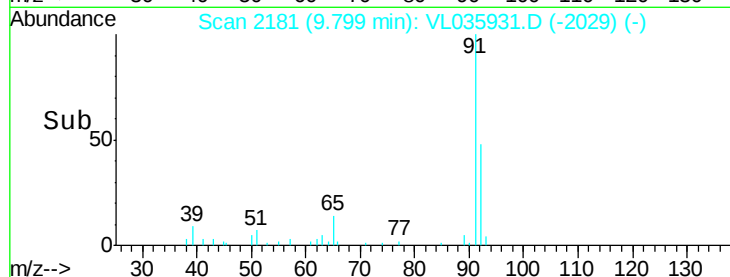
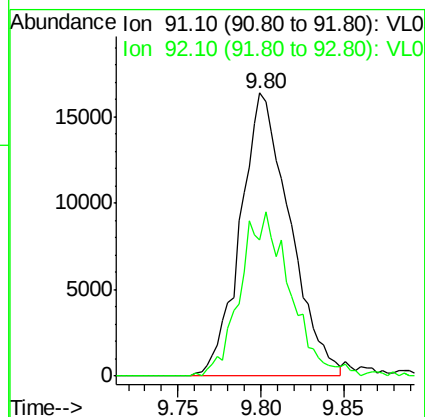
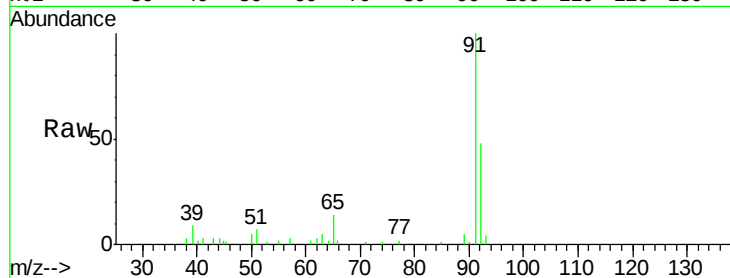
92 59.2 49.8 74.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL035931.D

Acq: 13 Nov 2020 2:34

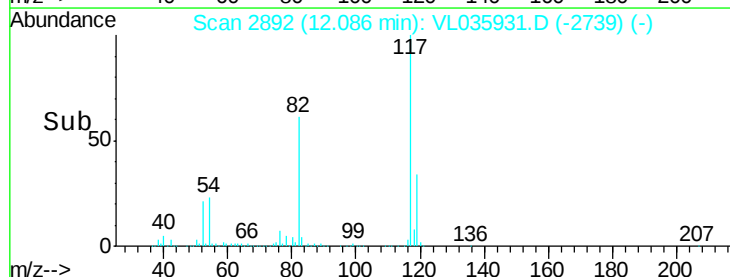
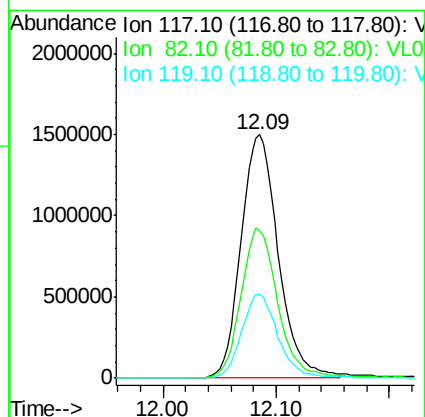
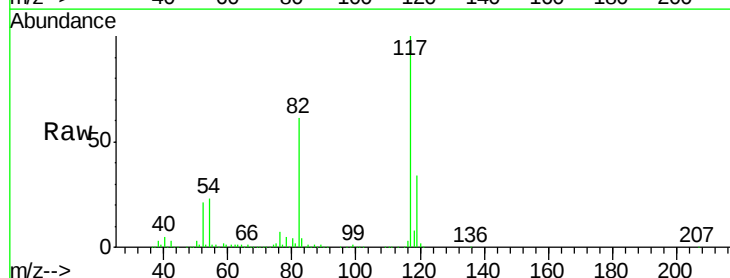
Tgt Ion: 117 Resp: 3442419

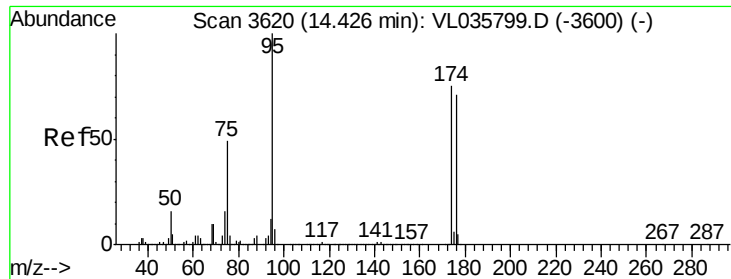
Ion Ratio Lower Upper

117 100

82 62.1 50.6 76.0

119 34.3 52.6 78.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.430 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL035931.D
 Acq: 13 Nov 2020 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 LA-4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.7	59.8	89.6
175	5.0	4.3	6.5

Manual Integrations
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