

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035329.D
 Acq On : 4 Aug 2020 1:28
 Operator : SY/AP
 Sample : L3540-01 60X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

Manual Integrations
 APPROVED

apatel
 8/6/2020 2:45:31 PM

Quant Time: Aug 04 12:08:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1124000	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2764825	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2640071	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2133308	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.56	45	55926m	3.243	ppbv	
15) Acetone	3.82	43	117901	0.725	ppbv	92
20) Methylene Chloride	4.31	84	103935	1.400	ppbv	97
26) Hexane	5.67	57	44109	0.401	ppbv #	38
27) Carbon Disulfide	4.52	76	16715391	112.936	ppbv #	51
36) Benzene	6.88	78	67826m	0.335	ppbv	

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

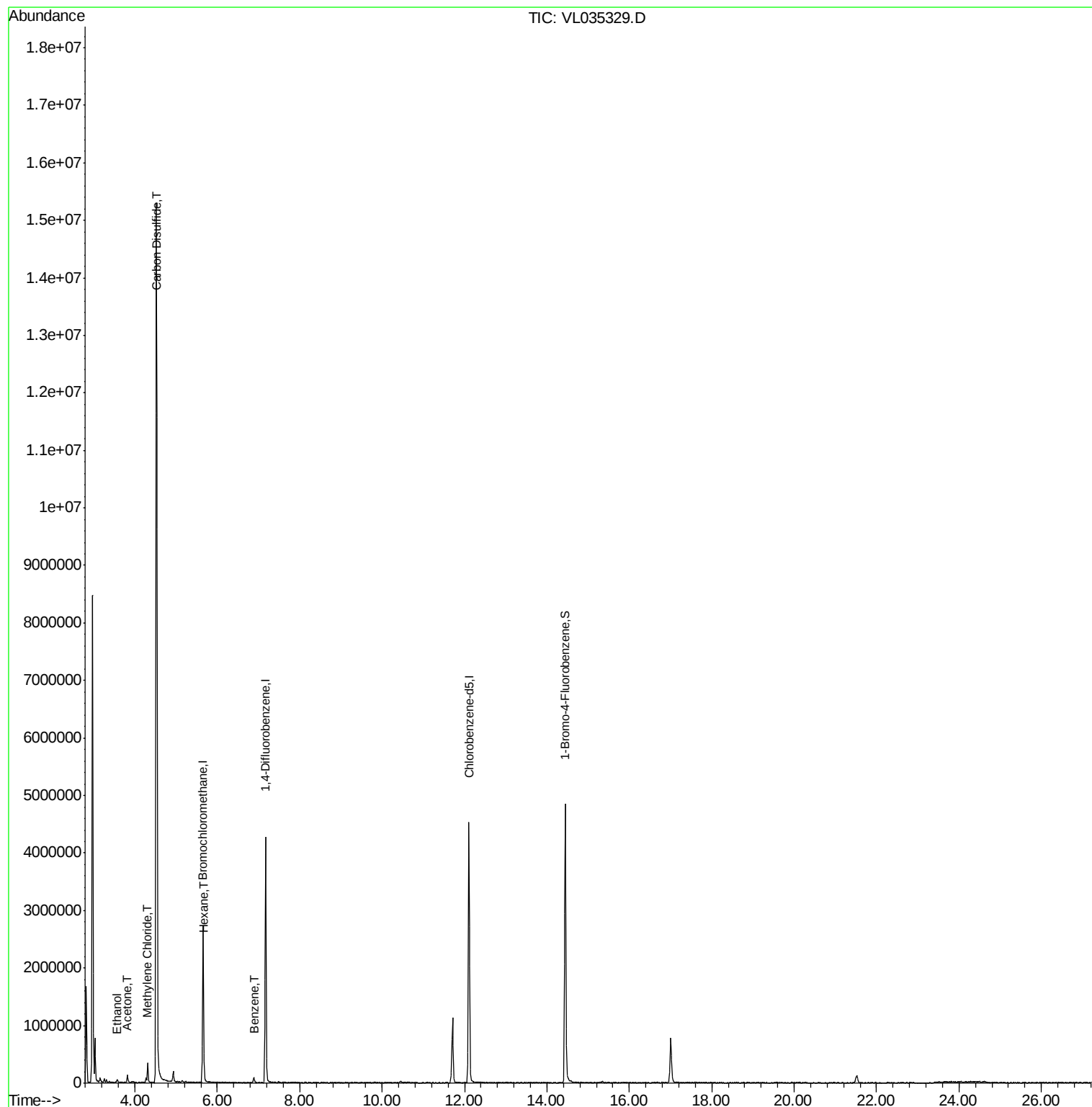
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080320\
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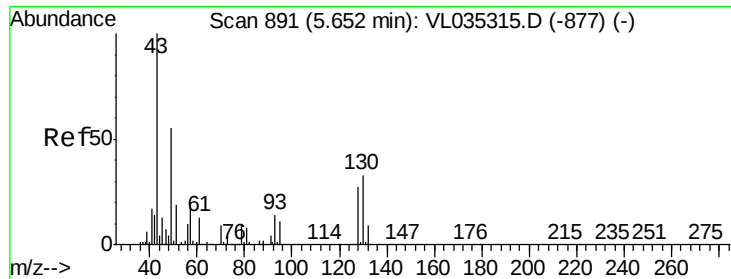
Instrument :
MSVOA_L
ClientSampleId :
LAGCARB-IN-01

Manual Integrations
APPROVED

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8/6/2020 2:45:31 PM

Quant Time: Aug 04 12:08:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 04 05:31:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 49 Resp: 1124000

Ion Ratio Lower Upper

49 100

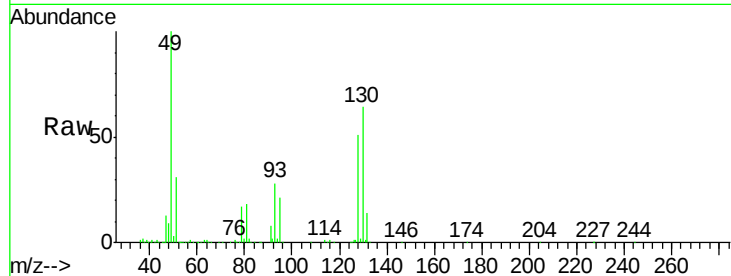
128 50.3 23.8 71.5

130 65.1 31.4 94.3

Manual Integrations
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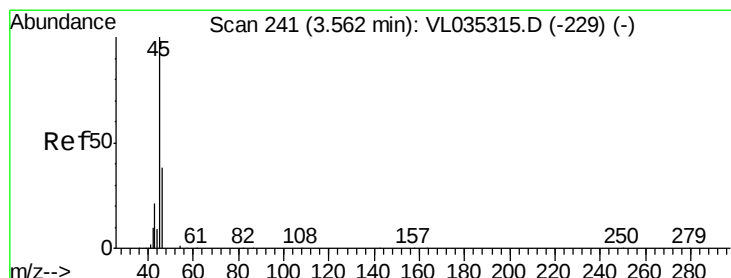
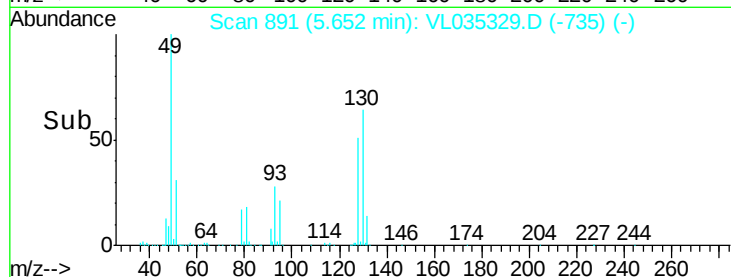
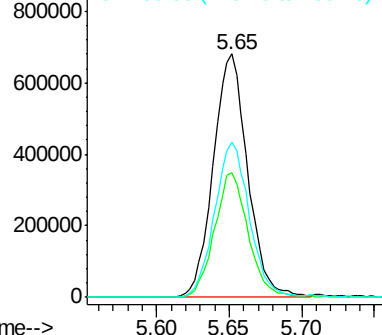
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 3.243 ppbv m

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035329.D

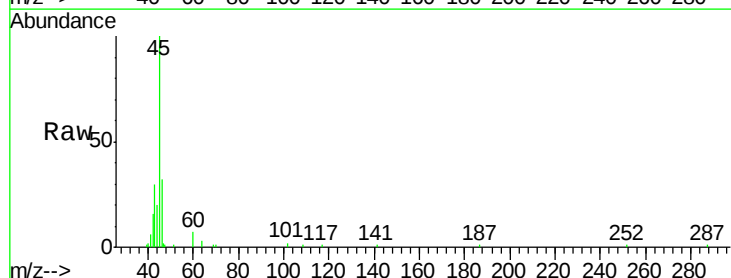
Acq: 4 Aug 2020 1:28

Tgt Ion: 45 Resp: 55926

Ion Ratio Lower Upper

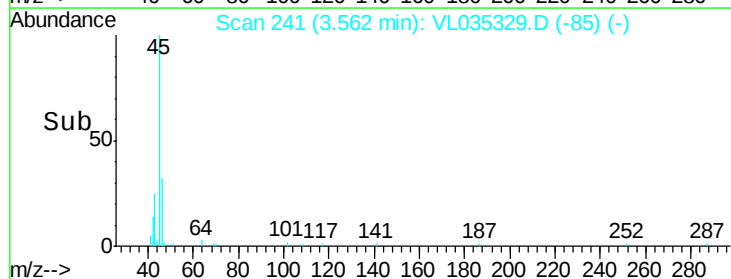
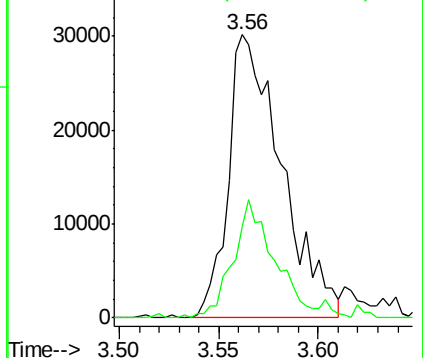
45 100

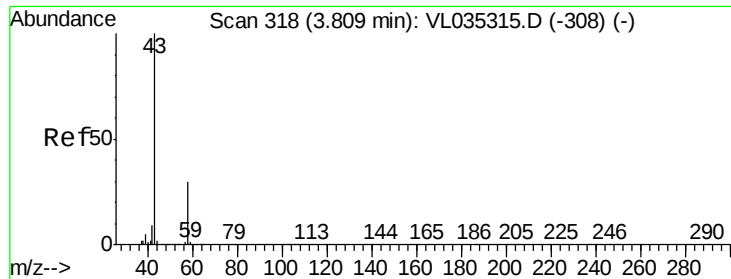
46 34.9 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.725 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.01 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 43 Resp: 117901

Ion Ratio Lower Upper

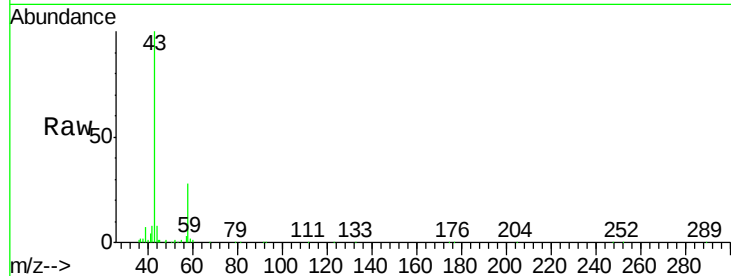
43 100

58 31.5 22.1 33.1

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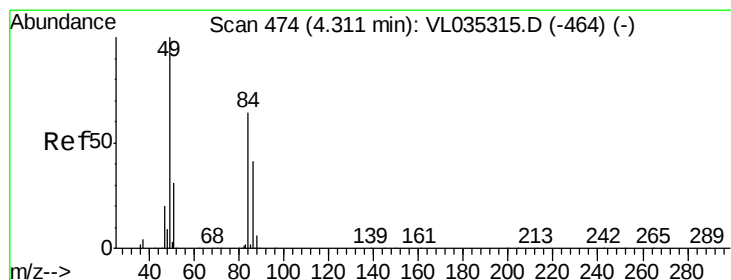
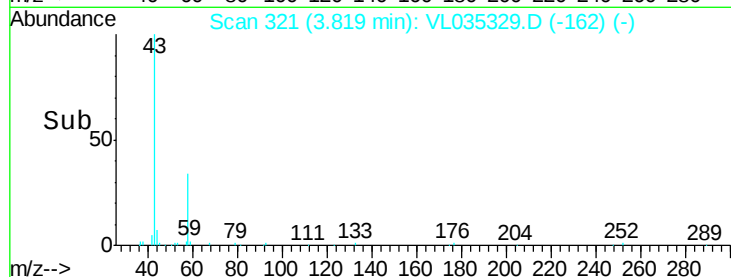
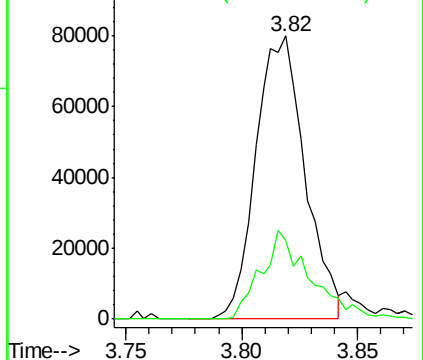
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.400 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

Tgt Ion: 84 Resp: 103935

Ion Ratio Lower Upper

84 100

49 155.4 124.2 186.2

51 47.0 38.6 58.0

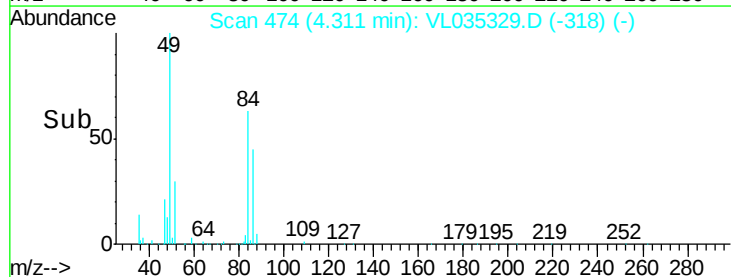
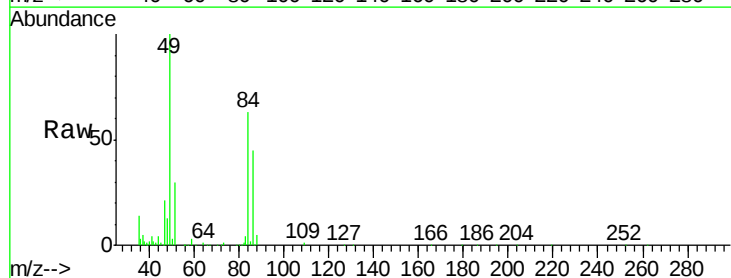
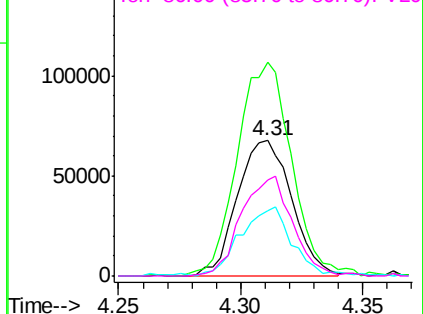
86 71.3 51.0 76.4

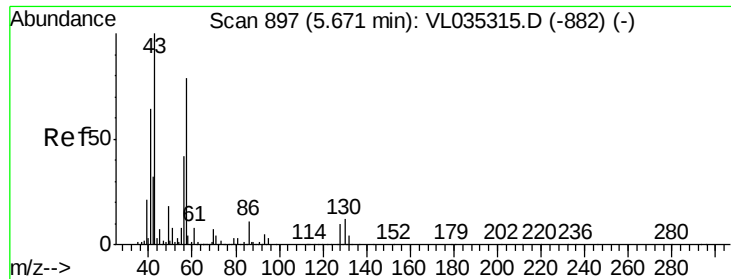
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#26

Hexane

Concen: 0.401 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 57 Resp: 44109

Ion Ratio Lower Upper

57 100

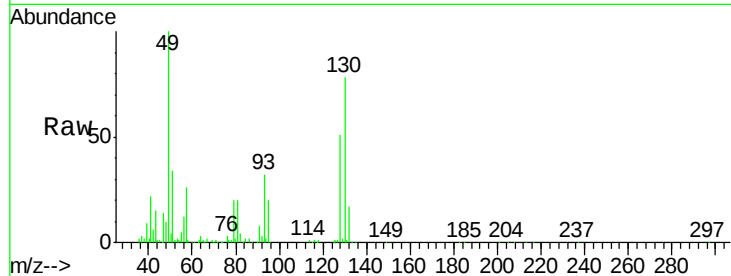
41 116.9 72.1 108.1#

43 83.5 179.0 268.6#

56 64.5 42.7 64.1#

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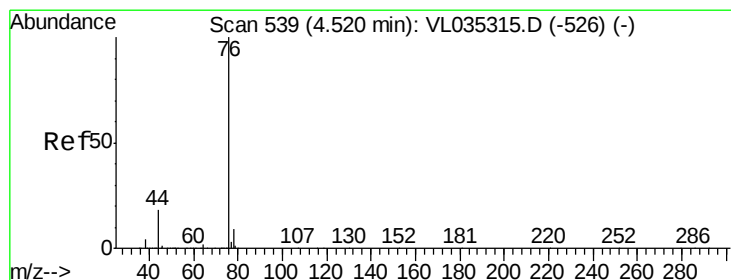
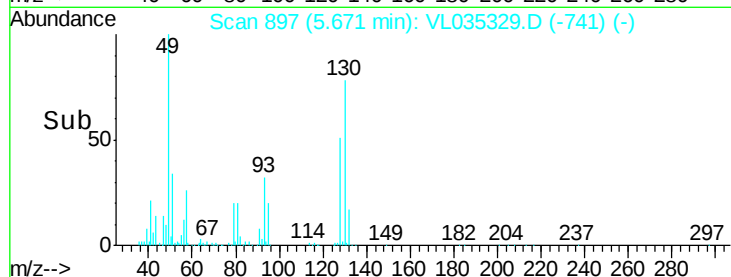
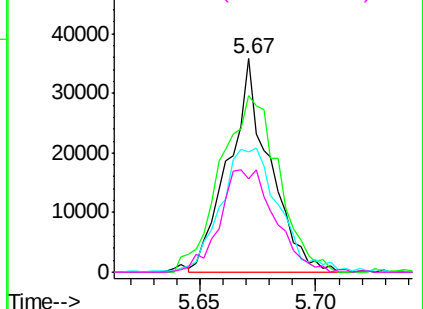


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 112.936 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

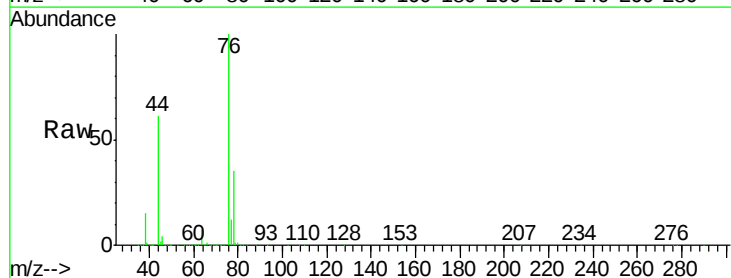
Tgt Ion: 76 Resp: 16715391

Ion Ratio Lower Upper

76 100

44 43.0 14.8 22.2#

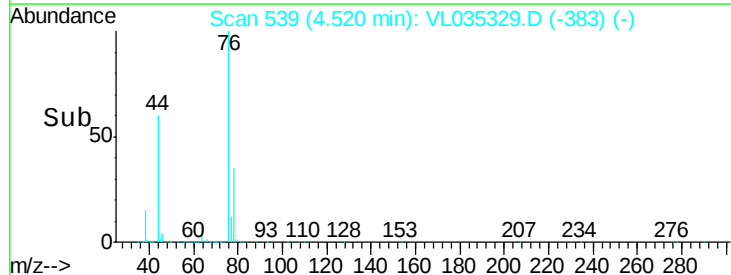
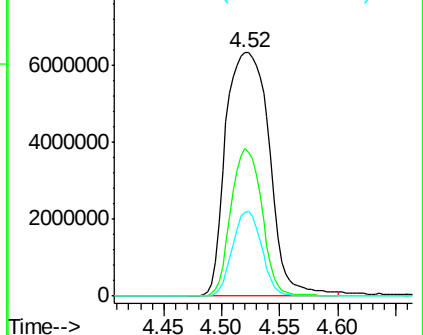
78 23.4 7.8 11.8#

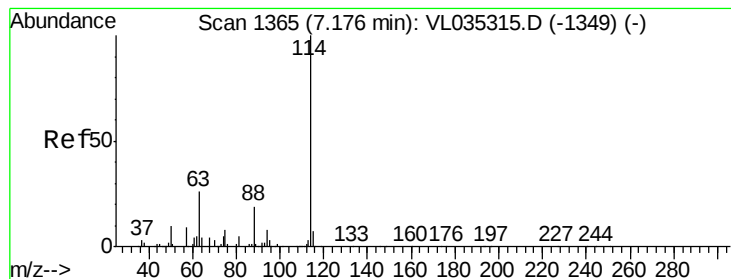


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion:114 Resp: 2764825

Ion Ratio Lower Upper

114 100

63 27.3 21.5 32.3

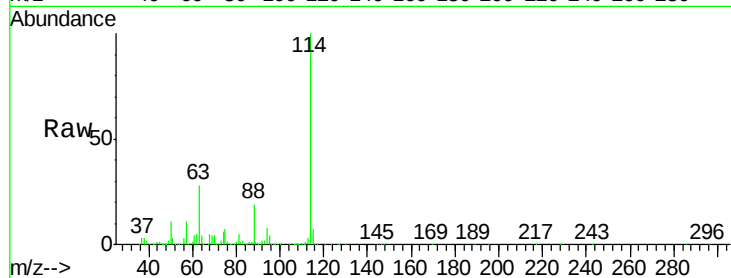
88 19.0 15.3 22.9

Manual Integrations

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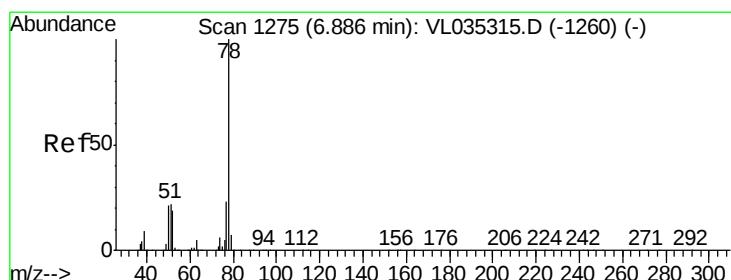
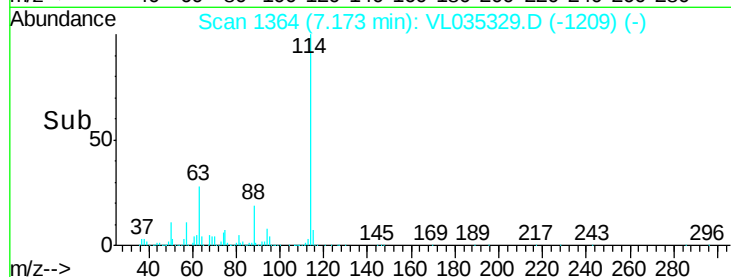
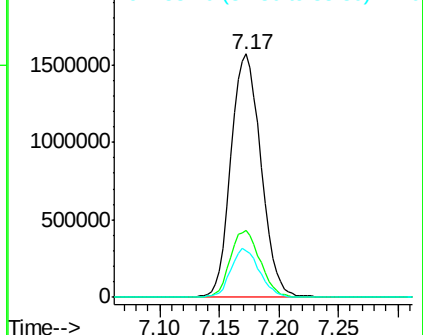
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#36

Benzene

Concen: 0.335 ppbv m

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

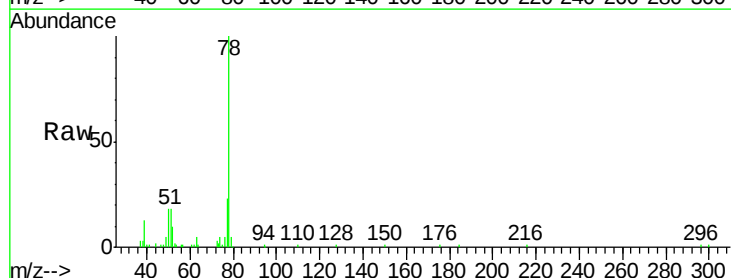
Tgt Ion: 78 Resp: 67826

Ion Ratio Lower Upper

78 100

77 22.7 18.4 27.6

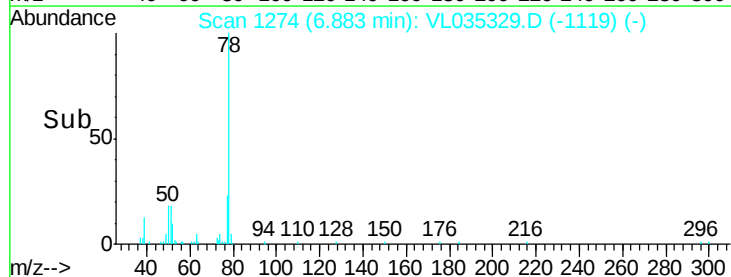
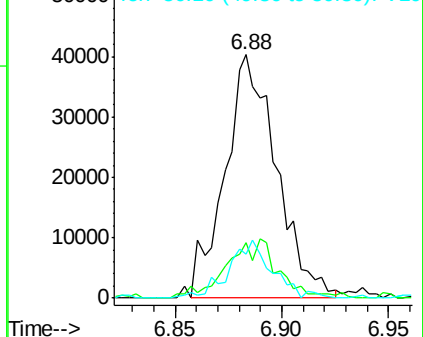
50 18.3 16.6 25.0

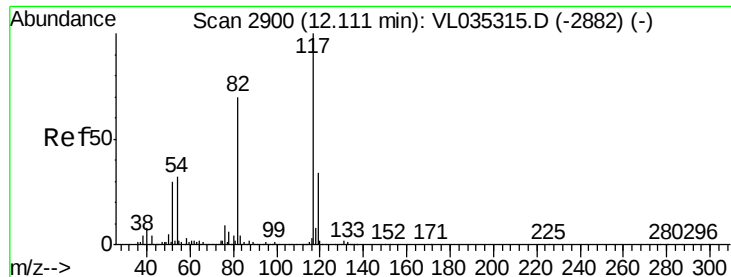


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion:117 Resp: 2640071

Ion Ratio Lower Upper

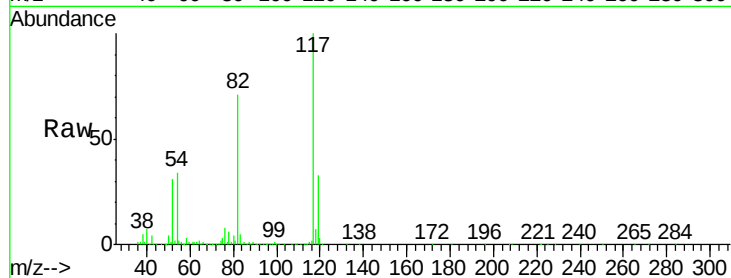
117 100

82 68.5 50.6 76.0

119 33.0 24.1 36.1

Manual Integrations
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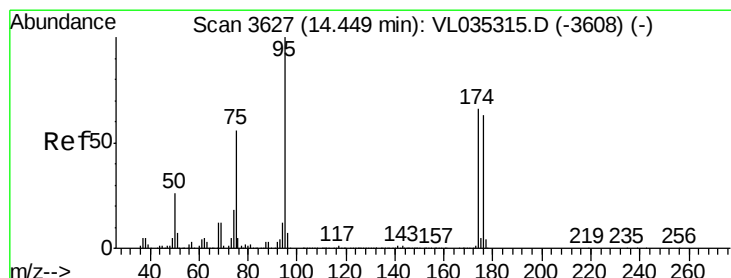
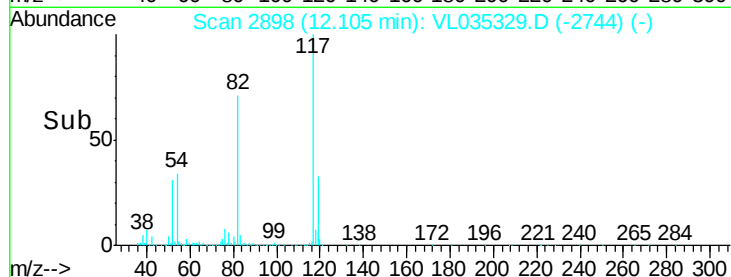
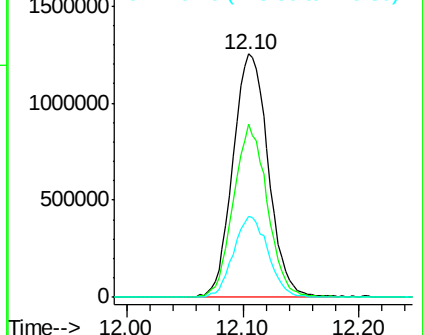
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.647 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL035329.D

Acq: 4 Aug 2020 1:28

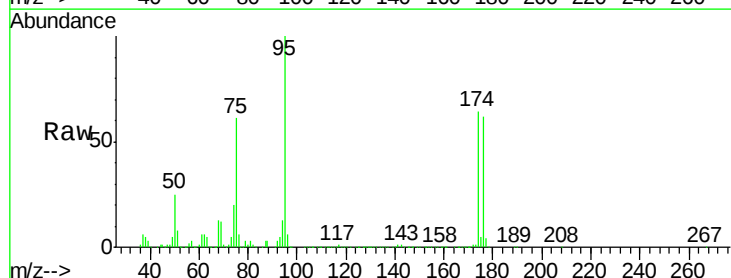
Tgt Ion: 95 Resp: 2133308

Ion Ratio Lower Upper

95 100

174 66.4 52.5 78.7

175 5.1 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

