

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034955.D
 Acq On : 7 May 2020 4:44
 Operator : SY/AP
 Sample : L2507-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 2:32:16 PM

Quant Time: May 07 08:08:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1115966	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2537488	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2394093	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1992098	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	6303m	0.114	ppbv	
13) Ethanol	3.59	45	20320	1.114	ppbv	86
15) Acetone	3.84	43	86360	0.585	ppbv	90
19) Isopropyl Alcohol	3.97	45	21225m	0.216	ppbv	
20) Methylene Chloride	4.33	84	14507	0.297	ppbv #	89

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

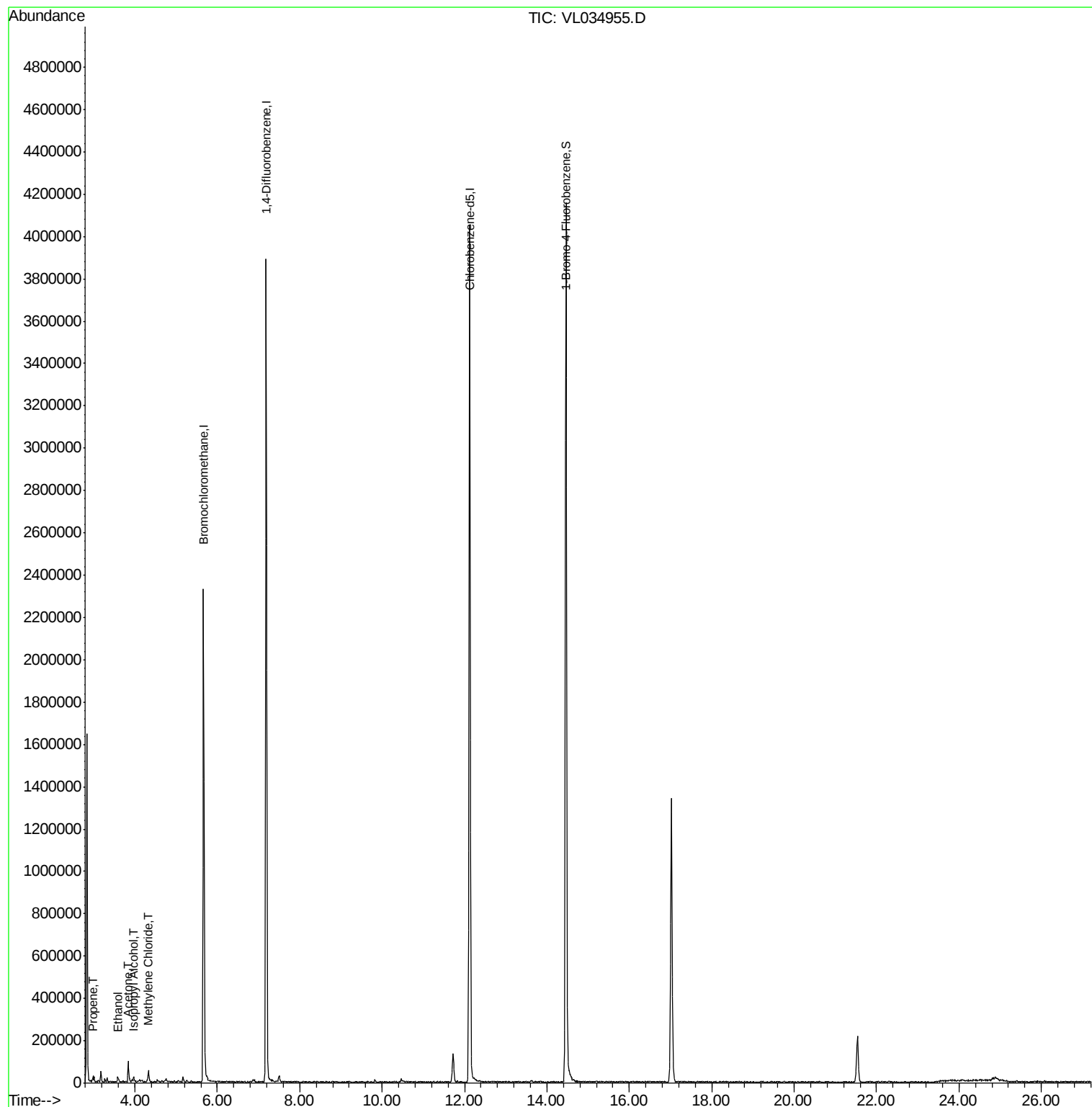
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050620\
Data File : VL034955.D
Acq On : 7 May 2020 4:44
Operator : SY/AP
Sample : L2507-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

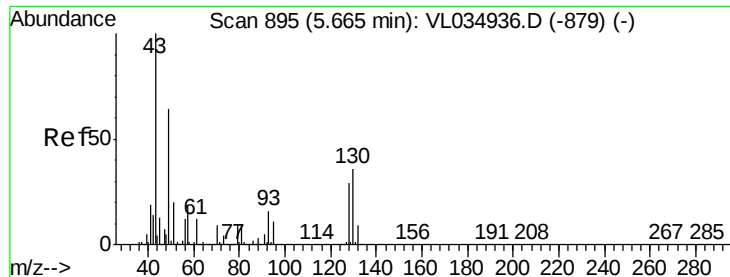
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Manual Integrations
APPROVED

MMDadoda
5/7/2020 2:32:16 PM

Quant Time: May 07 08:08:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

Tot Ion: 49 Resp: 1115966

Ion Ratio Lower Upper

49 100

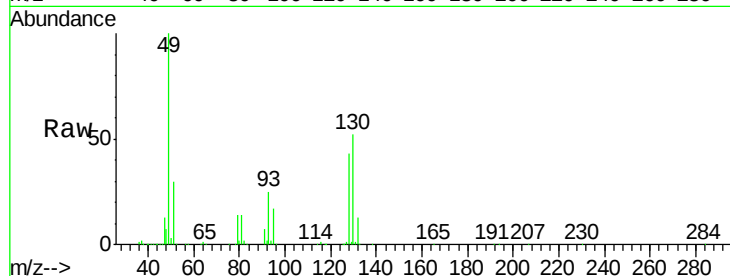
128 45.4 22.1 66.5

130 56.9 29.1 87.3

Manual Integrations
APPROVED

MMDadoda

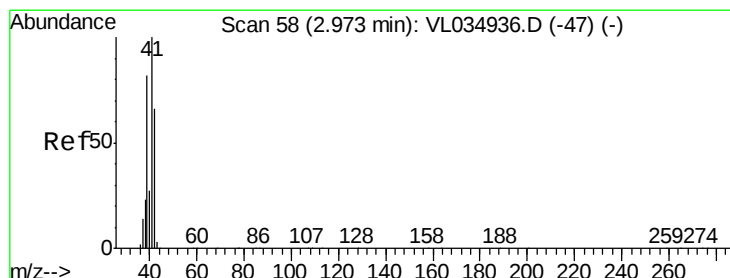
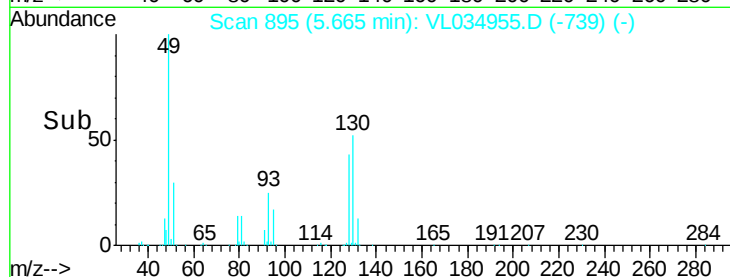
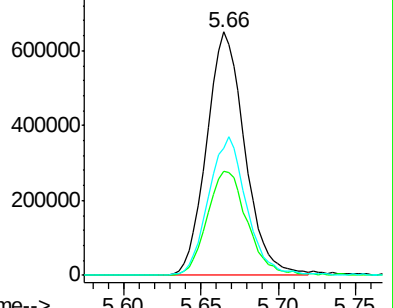
5/7/2020 2:32:16 PM



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: 0.114 ppbv m

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL034955.D

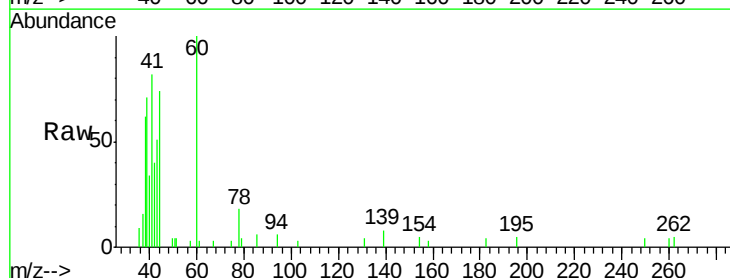
Acq: 7 May 2020 4:44

Tgt Ion: 41 Resp: 6303

Ion Ratio Lower Upper

41 100

42 59.9 54.5 81.7



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

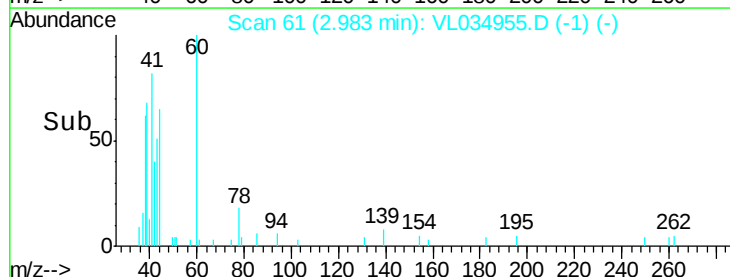
Ion 71.10 (70.80 to 71.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 73.10 (72.80 to 73.80): VL0

Ion 74.10 (73.80 to 74.80): VL0

Ion 75.10 (74.80 to 75.80): 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

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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

Ion 73.10 (72.80 to 73.80): VL0

Ion 74.10 (73.80 to 74.80): VL0

Ion 75.10 (74.80 to 75.80): 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

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Ion 47.10 (46.80 to 47.80): VL0

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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

Ion 73.10 (72.80 to 73.80): VL0

Ion 74.10 (73.80 to 74.80): VL0

Ion 75.10 (74.80 to 75.80): 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

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Ion 69.10 (68.80 to 69.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

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Ion 72.10 (71.80 to 72.80): VL0

Ion 73.10 (72.80 to 73.80): VL0

Ion 74.10 (73.80 to 74.80): VL0

Ion 75.10 (74.80 to 75.80): 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

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Ion 57.10 (56.80 to 57.80): VL0

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Ion 59.10 (58.80 to 59.80): VL0

Ion 60.10 (59.80 to 60.80): VL0

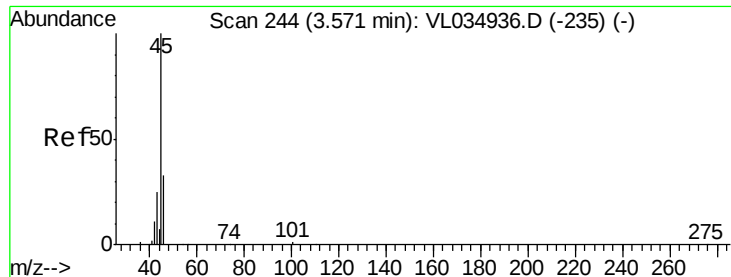
Ion 61.10 (60.80 to 61.80): VL0

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



#13

Ethanol

Concen: 1.114 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion: 45 Resp: 20320

Ion Ratio Lower Upper

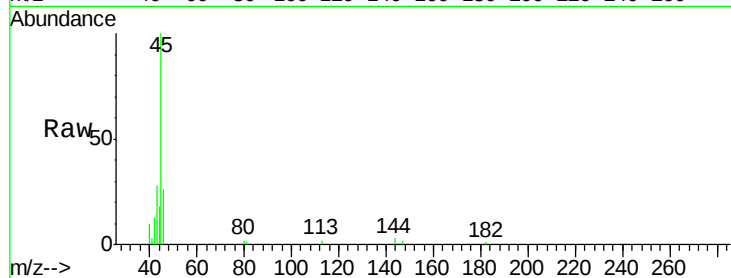
45 100

46 44.0 14.3 57.3

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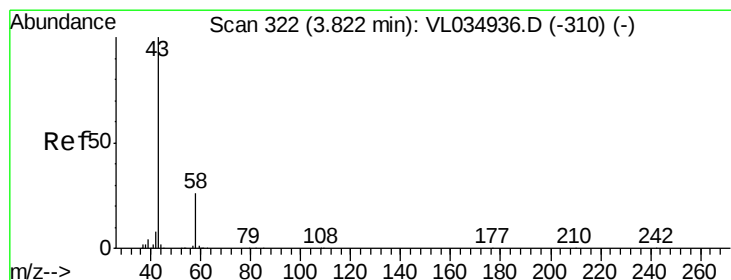
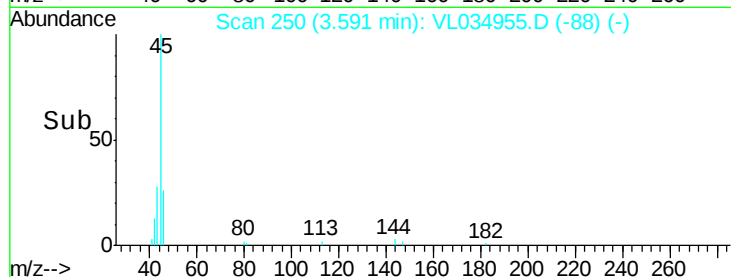
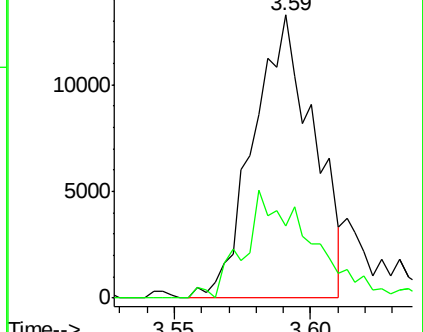
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.585 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034955.D

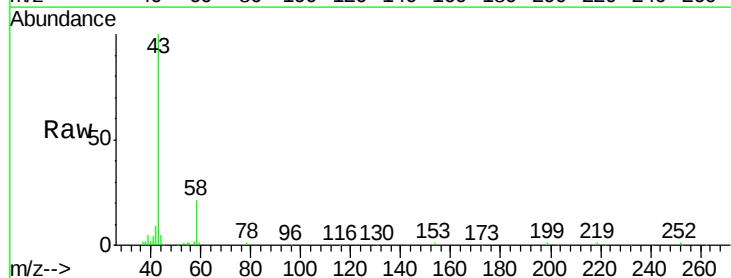
Acq: 7 May 2020 4:44

Tgt Ion: 43 Resp: 86360

Ion Ratio Lower Upper

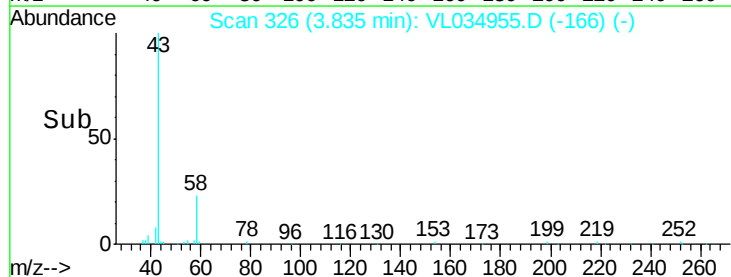
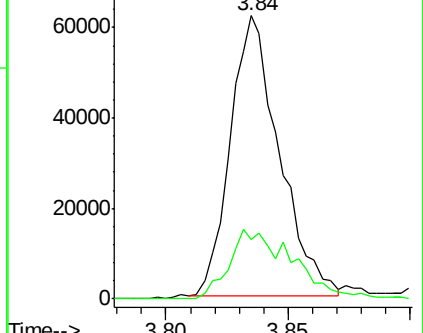
43 100

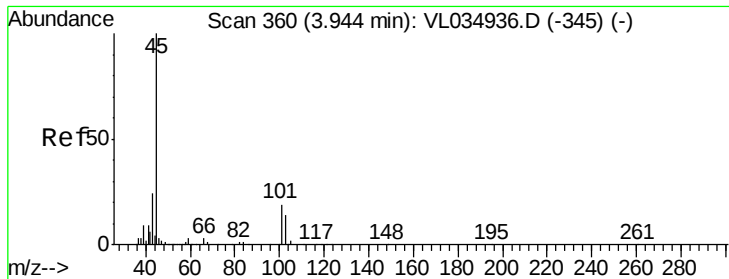
58 32.1 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#19

Isopropyl Alcohol

Concen: 0.216 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

Tot Ion: 45 Resp: 21225

Ion Ratio Lower Upper

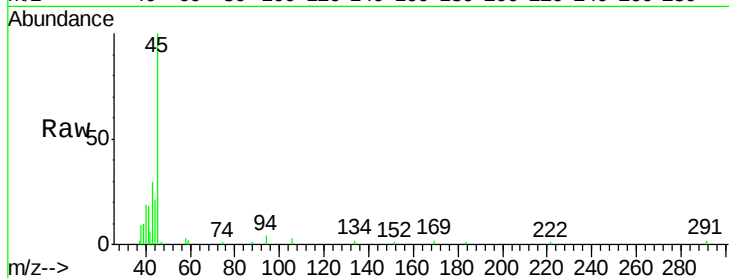
45 100

58 0.0 1.7 2.5#

Manual Integrations
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

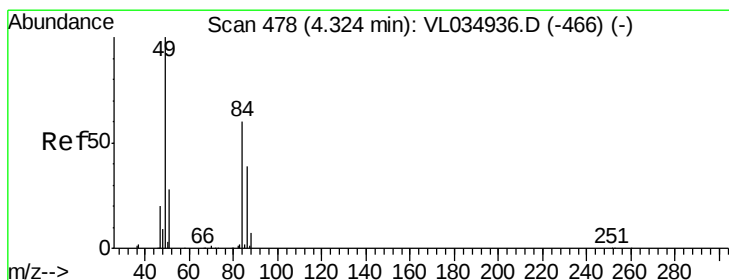
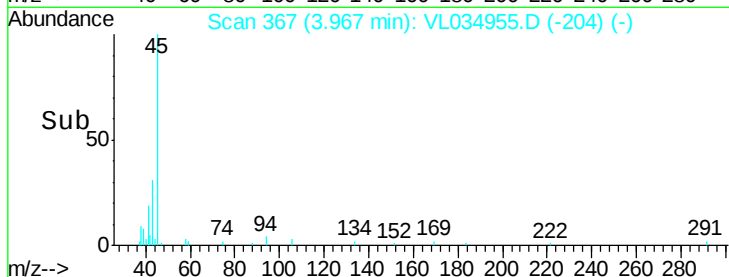
15000

10000

5000

0

Time--> 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 0.297 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Tgt Ion: 84 Resp: 14507

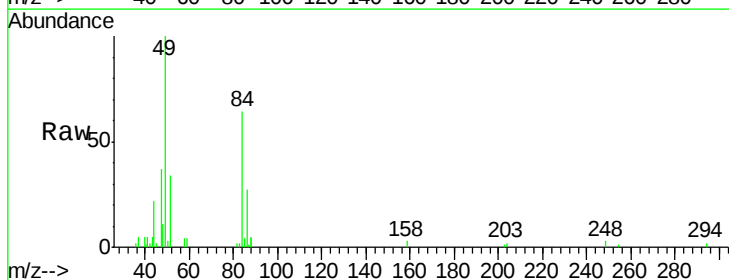
Ion Ratio Lower Upper

84 100

49 156.5 132.5 198.7

51 53.2 38.4 57.6

86 44.6 51.2 76.8#



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

25000

20000

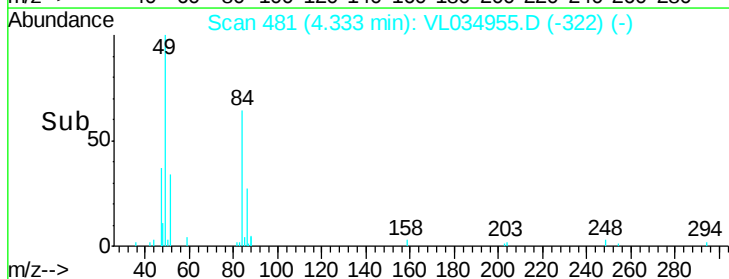
15000

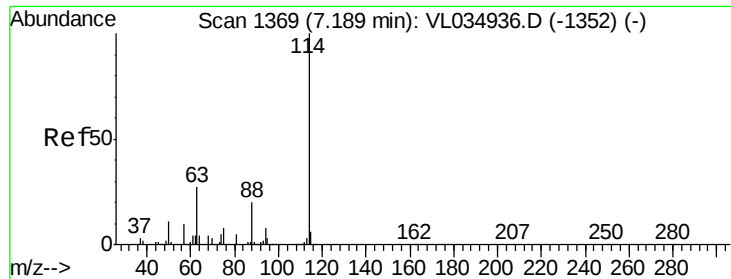
10000

5000

0

Time--> 4.30 4.35





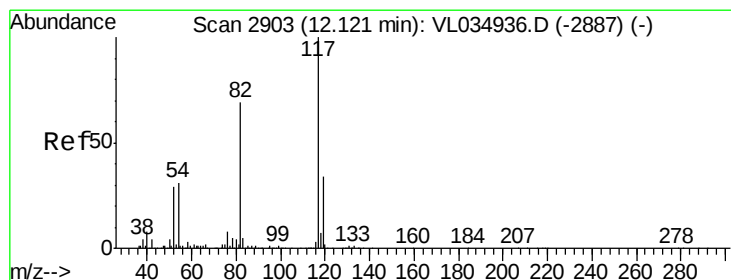
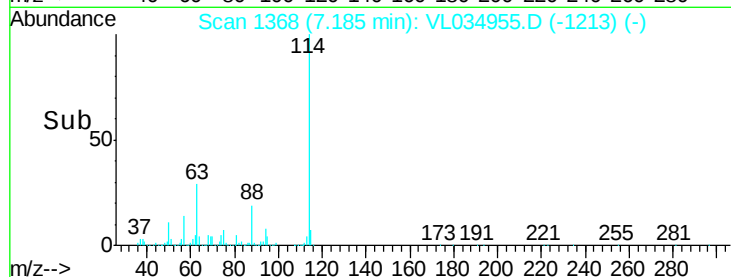
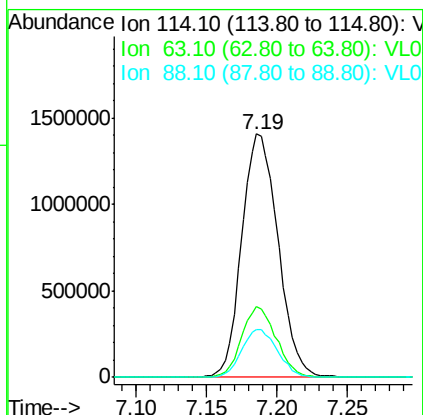
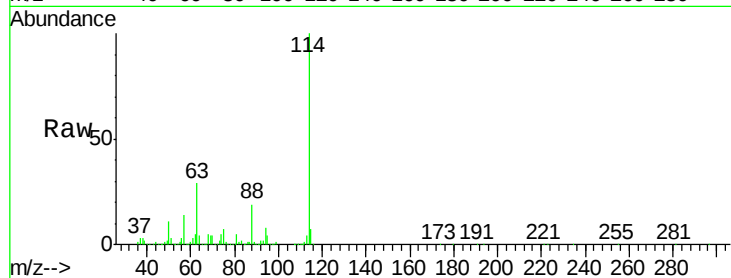
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034955.D
 Acq: 7 May 2020 4:44

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.2	33.4
88	19.5	15.5	23.3

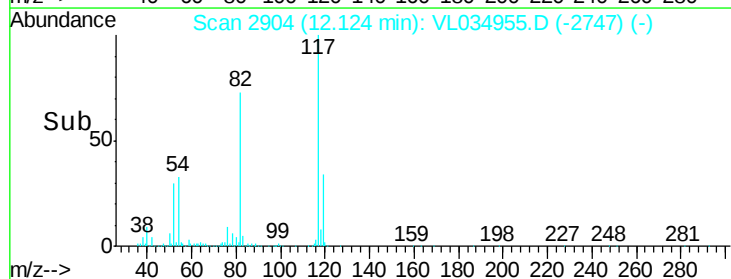
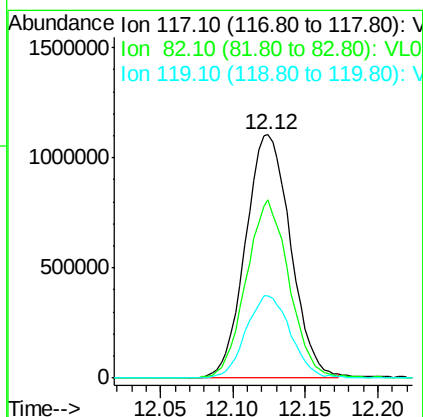
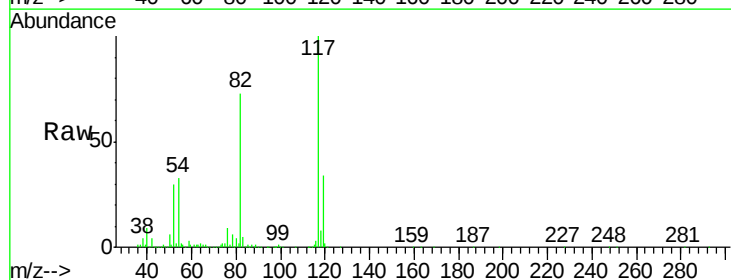
Manual Integrations
 APPROVED

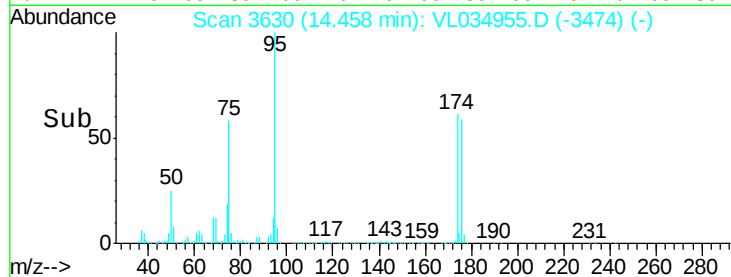
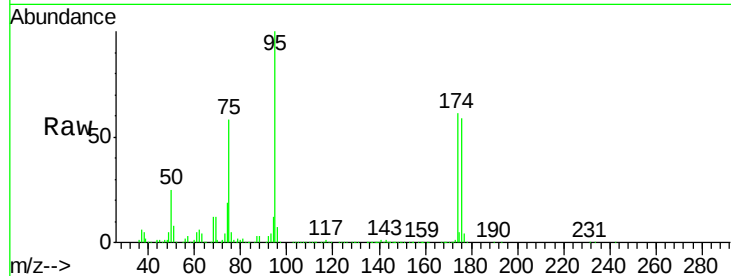
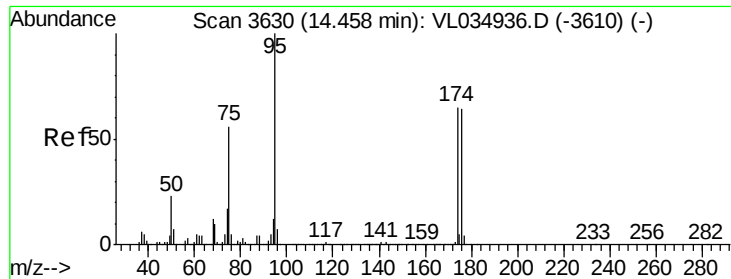
MMDadoda
 5/7/2020 2:32:16 PM



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T. 0.00 min
 Lab File: VL034955.D
 Acq: 7 May 2020 4:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.4	53.1	79.7
119	33.8	26.7	40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.280 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL034955.D

Acq: 7 May 2020 4:44

Tot Ion: 95 Resp: 1992098

Ion Ratio Lower Upper

95 100

174 64.1 51.5 77.3

175 4.4 3.8 5.8

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Manual Integrations
APPROVED

MMDadoda
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