

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034718.D
 Acq On : 27 Feb 2020 21:14
 Operator : SY/AP
 Sample : L1662-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-6-CR-104

Manual Integrations
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 2/28/2020 12:33:08 PM

Quant Time: Feb 28 15:04:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1080342	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2152253	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2167885	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1855899	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	97134	0.570	ppbv	99
4) Chloromethane	3.11	50	33809	0.518	ppbv	93
9) Propene	2.99	41	60088m	1.233	ppbv	
10) Heptane	8.14	43	39883m	0.318	ppbv	
11) Trichlorofluoromethane	3.93	101	38072	0.255	ppbv	93
13) Ethanol	3.59	45	5279393	342.909	ppbv	99
15) Acetone	3.83	43	1062874	8.634	ppbv	94
19) Isopropyl Alcohol	3.97	45	2005213	27.346	ppbv	100
20) Methylene Chloride	4.33	84	138537	3.026	ppbv	94
26) Hexane	5.68	57	135139	1.345	ppbv #	45
34) 2-Butanone	5.24	43	39873	0.294	ppbv	99
35) Carbon Tetrachloride	7.03	117	9911m	0.069	ppbv	
53) Toluene	9.83	91	941702	4.763	ppbv	97
58) Ethyl Benzene	12.75	91	49040m	0.187	ppbv	
59) m/p-Xylene	13.01	91	208629m	0.912	ppbv	
60) o-Xylene	13.73	91	52864m	0.233	ppbv	

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

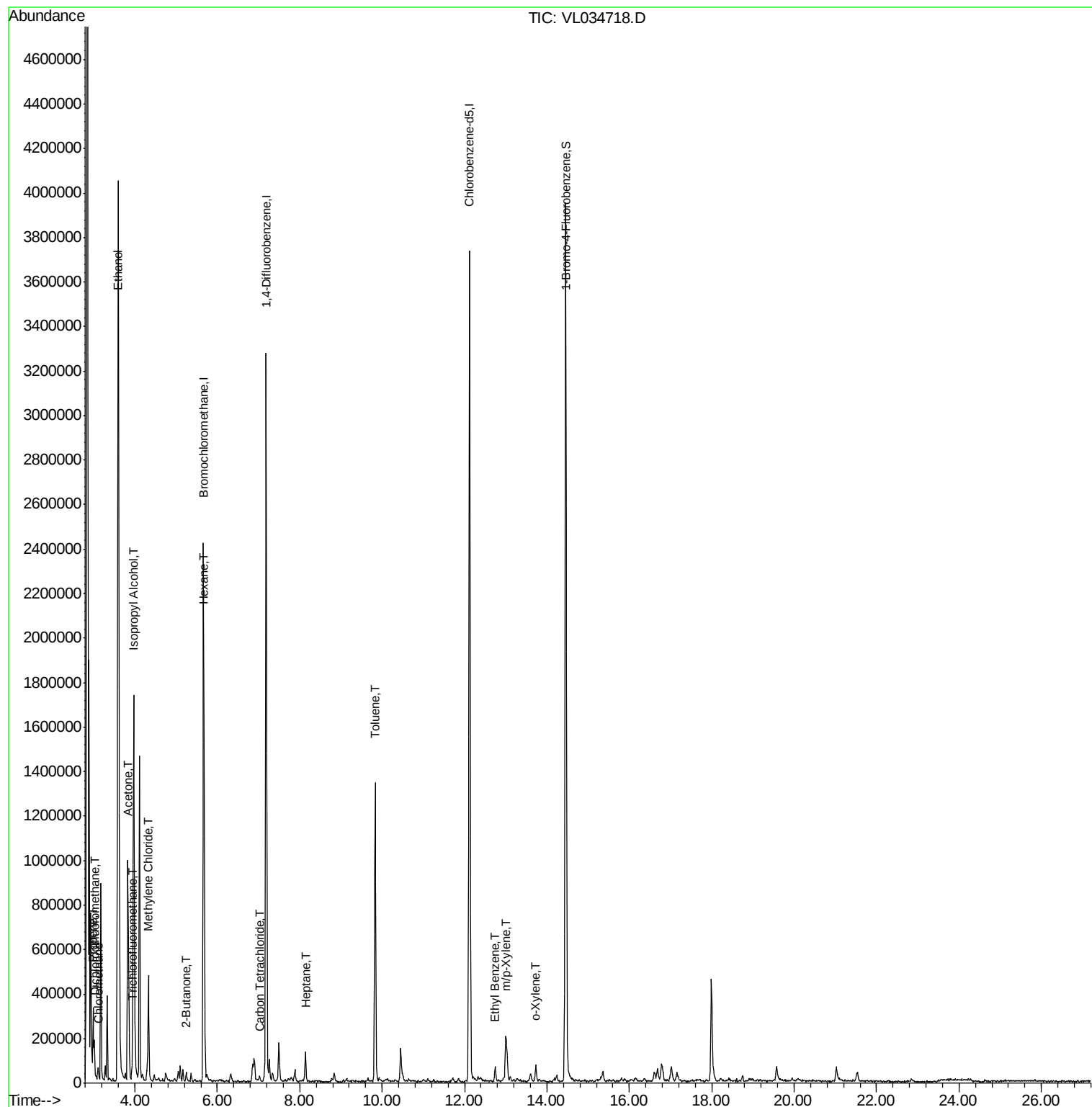
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022720\
Data File : VL034718.D
Acq On : 27 Feb 2020 21:14
Operator : SY/AP
Sample : L1662-06
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

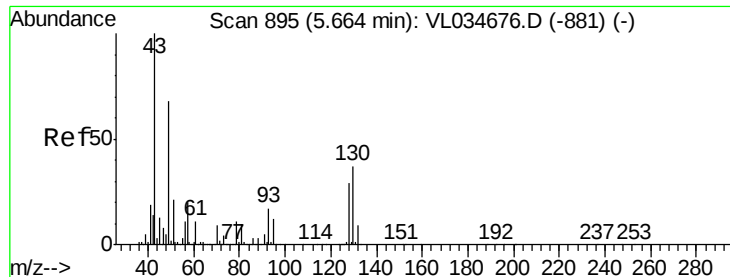
Instrument :
MSVOA_L
ClientSampleId :
IAS-6-CR-104

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Quant Time: Feb 28 15:04:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration





#1

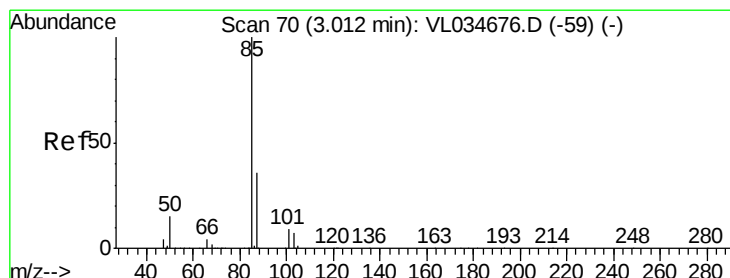
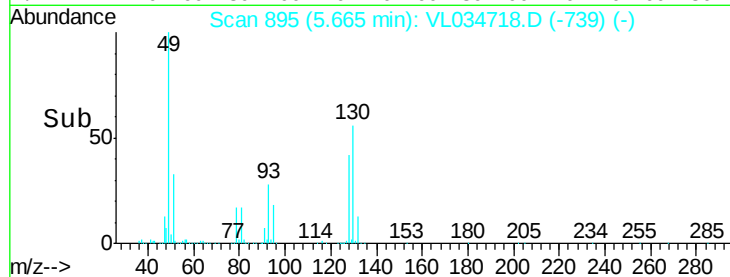
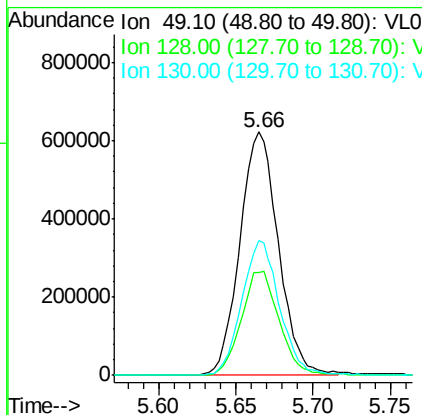
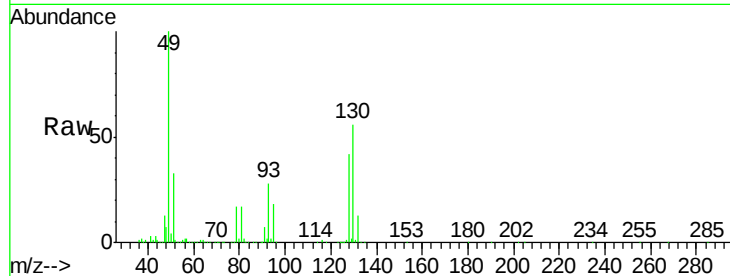
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL034718.D
 Acq: 27 Feb 2020 21:14

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-6-CR-104

Tot Ion: 49 Resp: 1080342
 Ion Ratio Lower Upper
 49 100
 128 42.5 21.6 65.0
 130 54.9 27.7 83.1

Manual Integrations
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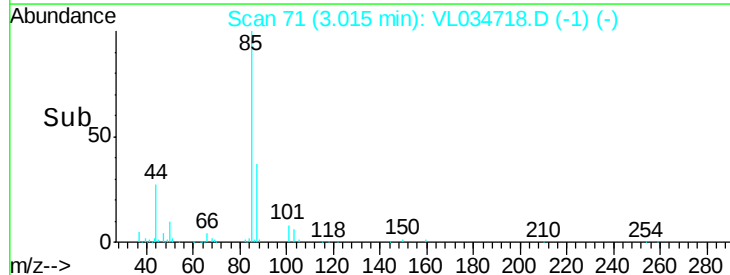
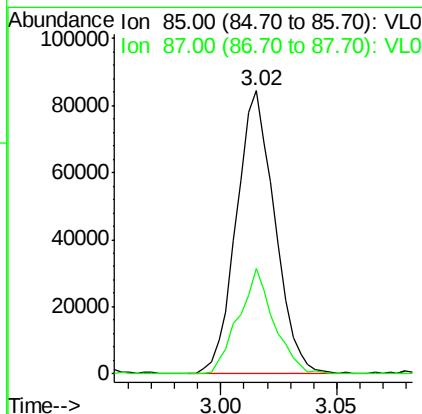
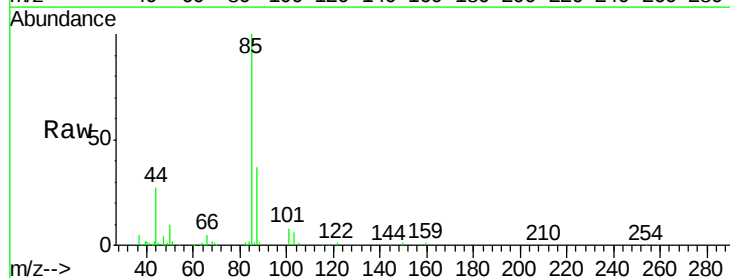
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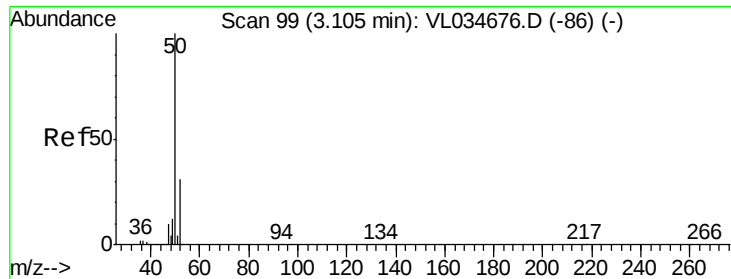


#2

Dichlorodifluoromethane
 Concen: 0.570 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL034718.D
 Acq: 27 Feb 2020 21:14

Tgt Ion: 85 Resp: 97134
 Ion Ratio Lower Upper
 85 100
 87 37.3 29.2 43.8





#4

Chloromethane

Concen: 0.518 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034718.D

Acq: 27 Feb 2020 21:14

Instrument :

MSVOA_L

ClientSampleId :

IAS-6-CR-104

Tot Ion: 50 Resp: 33809

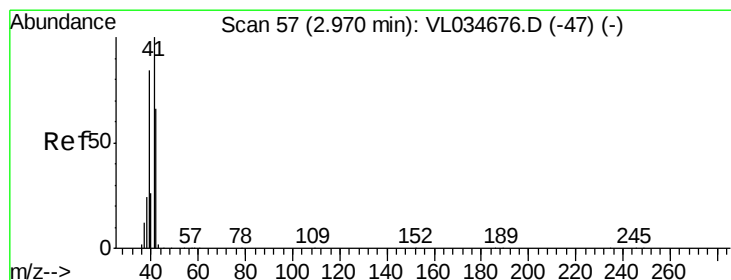
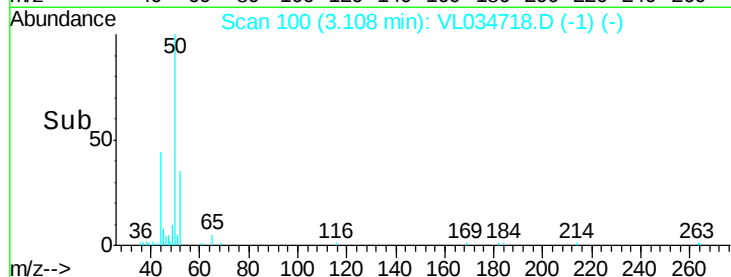
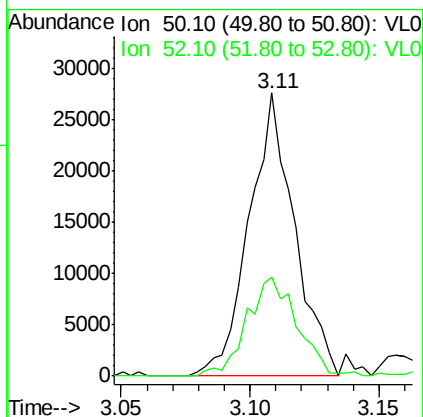
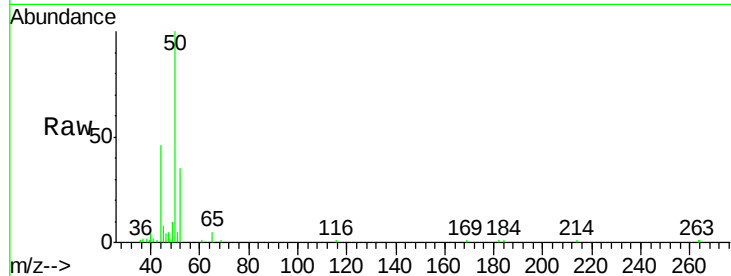
Ion Ratio Lower Upper

50 100

52 35.1 25.0 37.4

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#9

Propene

Concen: 1.233 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL034718.D

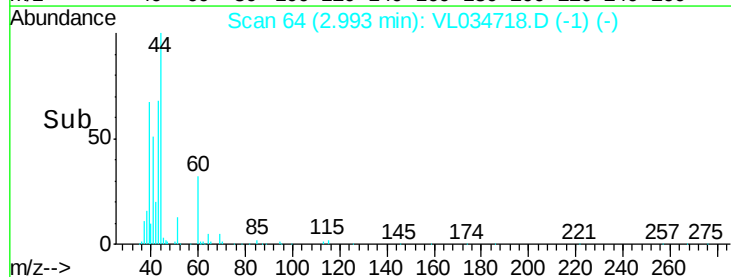
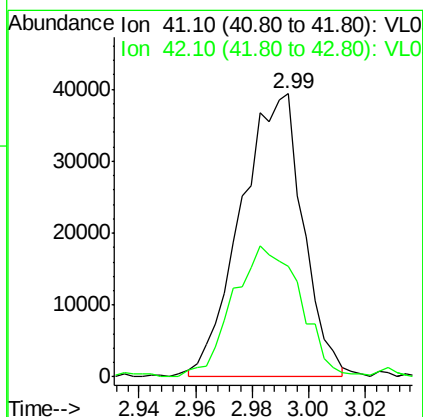
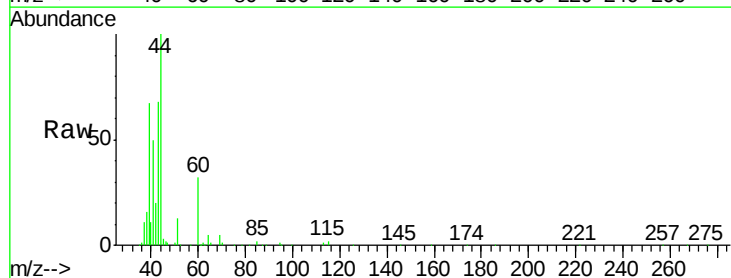
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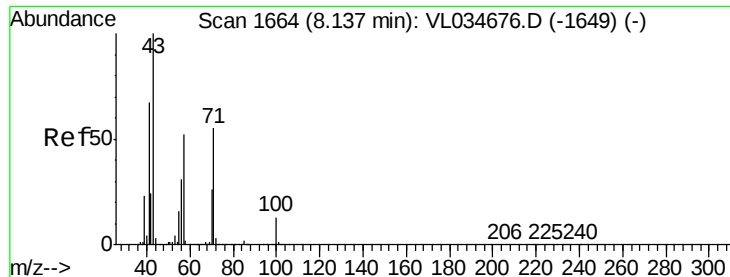
Tgt Ion: 41 Resp: 60088

Ion Ratio Lower Upper

41 100

42 246.3 54.9 82.3#





#10

Heptane

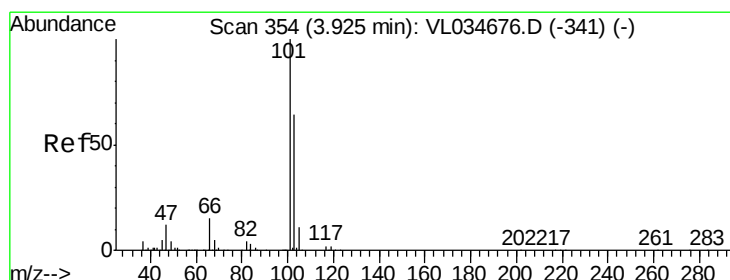
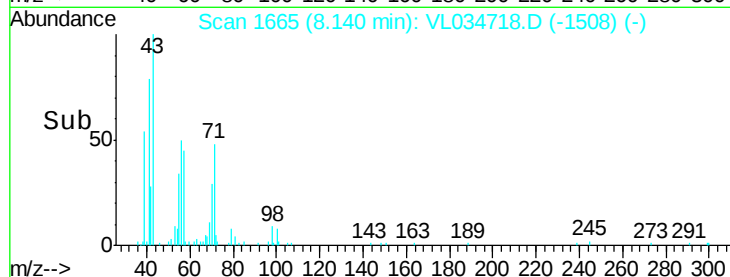
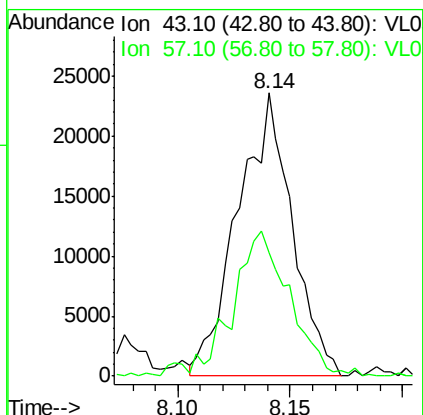
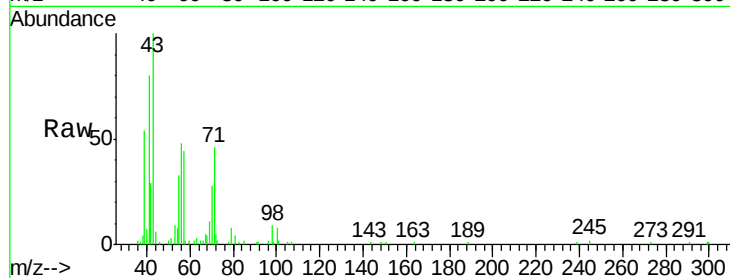
Concen: 0.318 ppbv m
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Instrument :
MSVOA_L
ClientSampled :
IAS-6-CR-104

Tot Ion: 43 Resp: 39883
Ion Ratio Lower Upper
43 100
57 54.5 41.0 61.6

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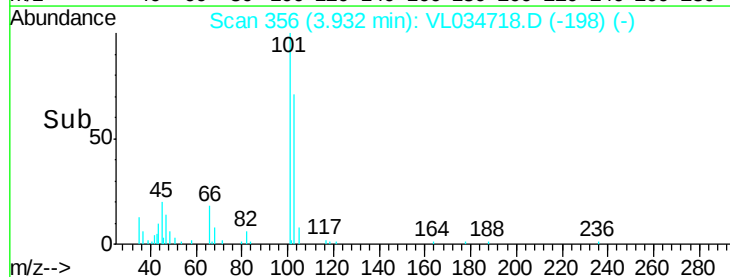
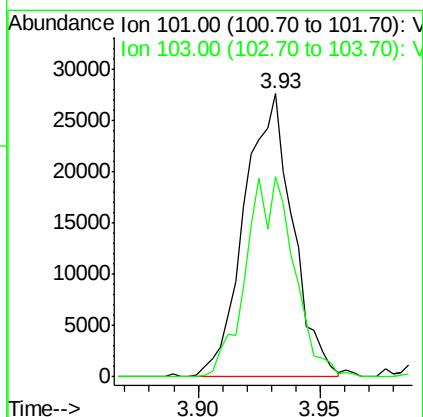
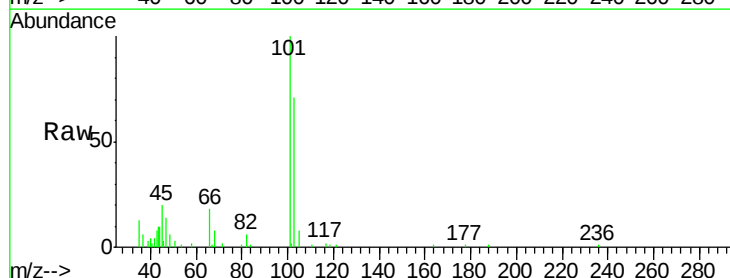


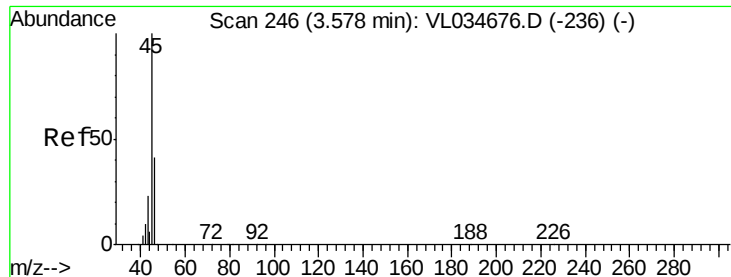
#11

Trichlorofluoromethane

Concen: 0.255 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.01 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Tgt Ion: 101 Resp: 38072
Ion Ratio Lower Upper
101 100
103 69.4 51.2 76.8





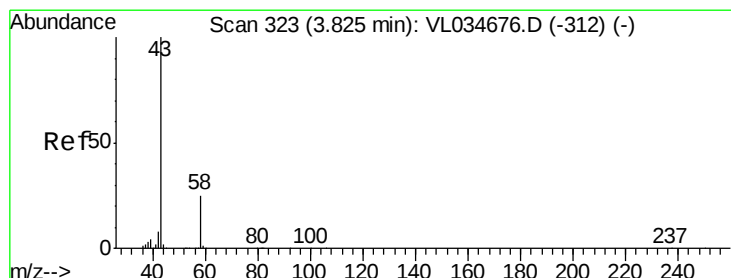
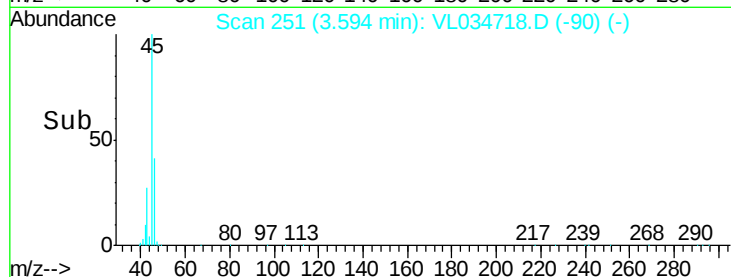
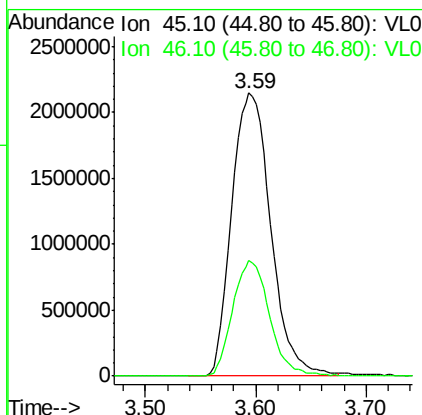
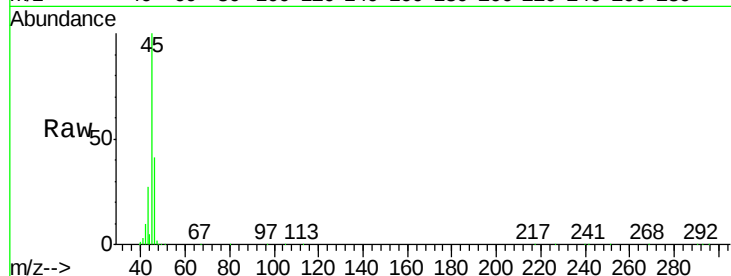
#13
Ethanol
Concen: 342.909 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Instrument :
MSVOA_L
ClientSampleId :
IAS-6-CR-104

Tot Ion: 45 Resp: 5279393
Ion Ratio Lower Upper
45 100
46 38.8 15.4 61.4

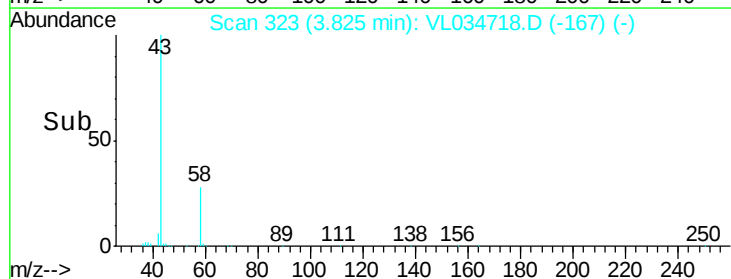
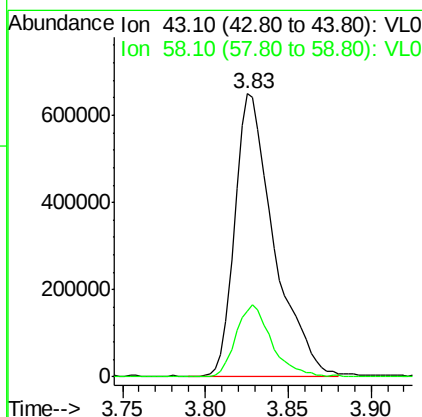
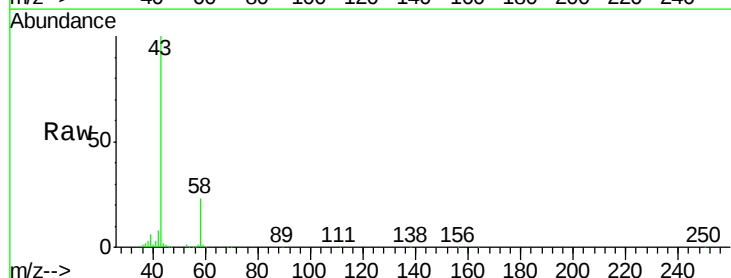
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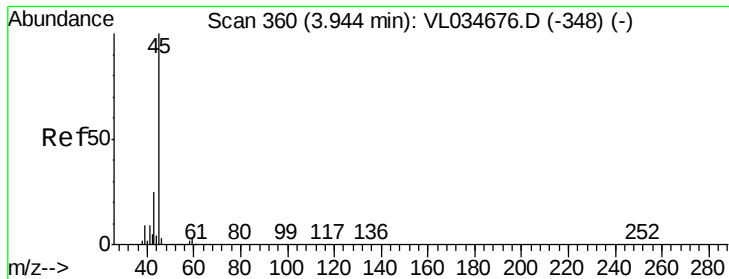
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#15
Acetone
Concen: 8.634 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Tgt Ion: 43 Resp: 1062874
Ion Ratio Lower Upper
43 100
58 23.8 21.4 32.0





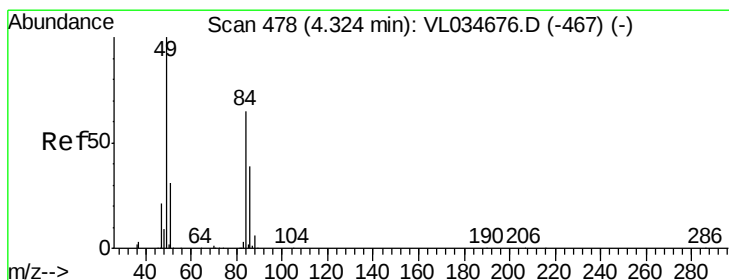
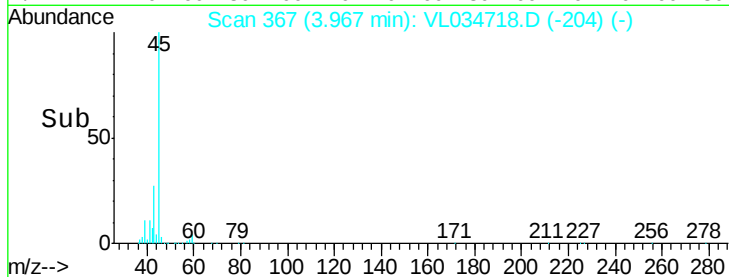
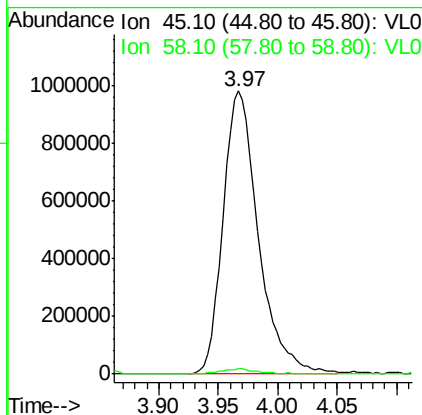
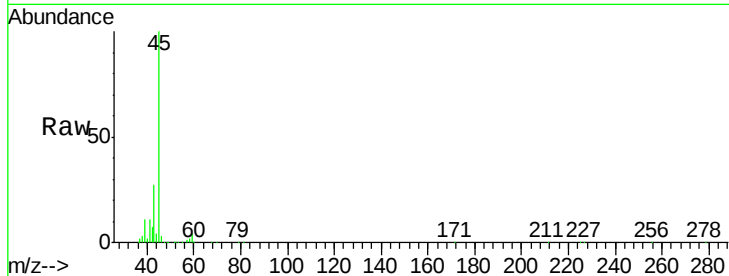
#19
Isopropyl Alcohol
Concen: 27.346 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Instrument :
MSVOA_L
ClientSampleId :
IAS-6-CR-104

Tot Ion: 45 Resp: 2005213
Ion Ratio Lower Upper
45 100
58 2.2 1.8 2.6

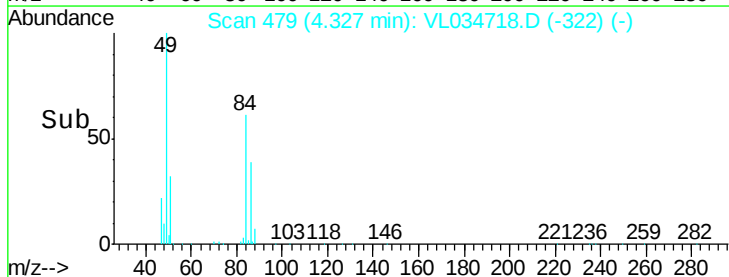
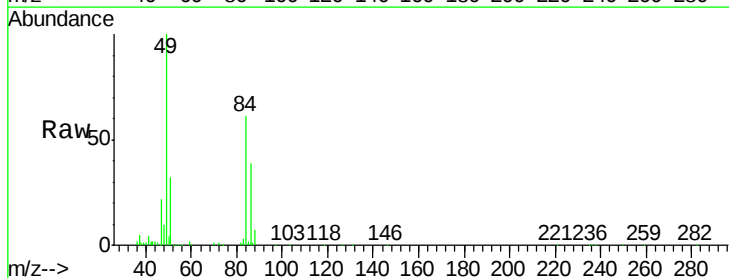
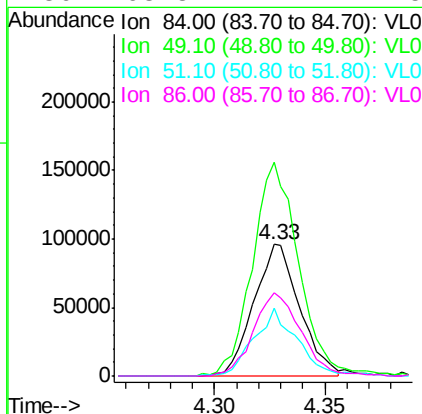
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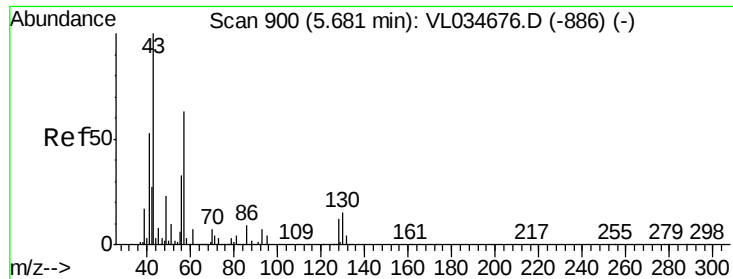
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#20
Methylene Chloride
Concen: 3.026 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Tgt Ion: 84 Resp: 138537
Ion Ratio Lower Upper
84 100
49 162.7 122.8 184.2
51 51.7 38.6 58.0
86 63.8 47.7 71.5





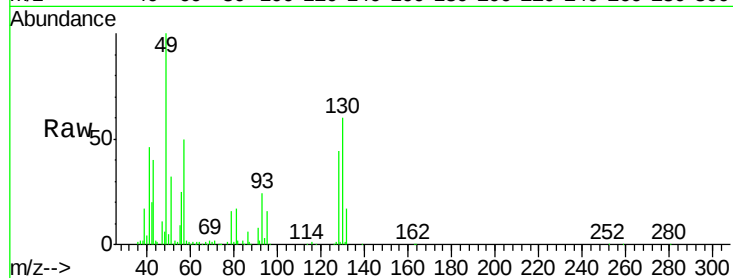
#26
Hexane
Concen: 1.345 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Instrument :
MSVOA_L
ClientSampleId :
IAS-6-CR-104

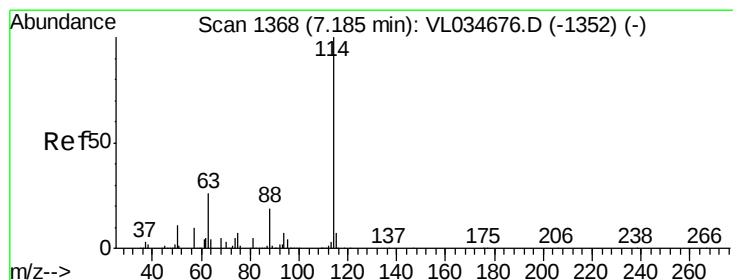
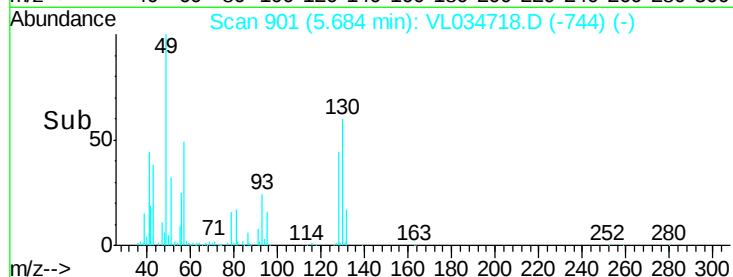
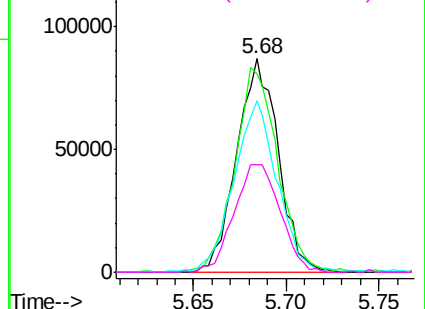
Tot Ion	Ratio	Lower	Upper
57	100		
41	99.9	70.3	105.5
43	84.6	177.0	265.4#
56	56.4	42.6	64.0

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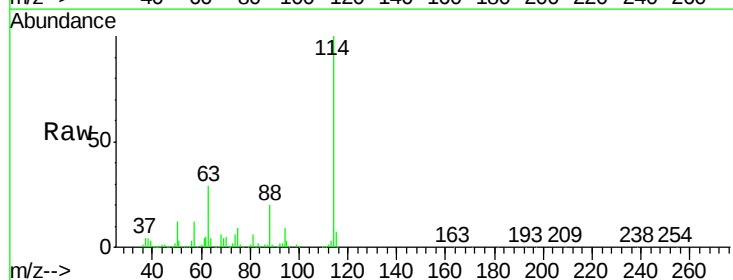


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

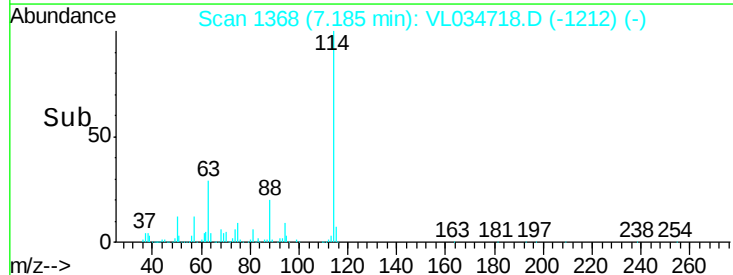
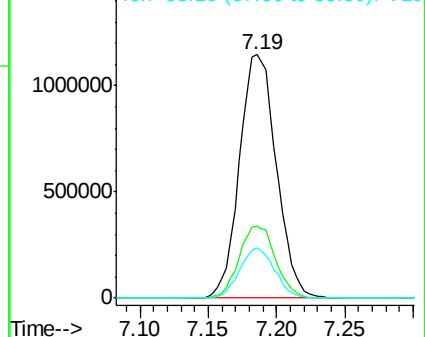


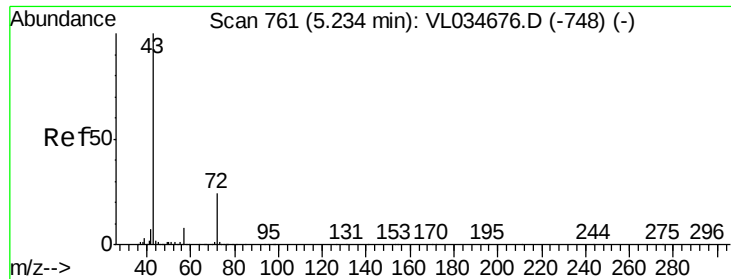
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.4	22.9	34.3
88	19.7	15.8	23.6



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





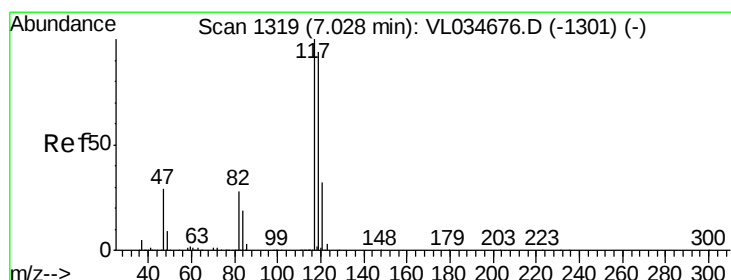
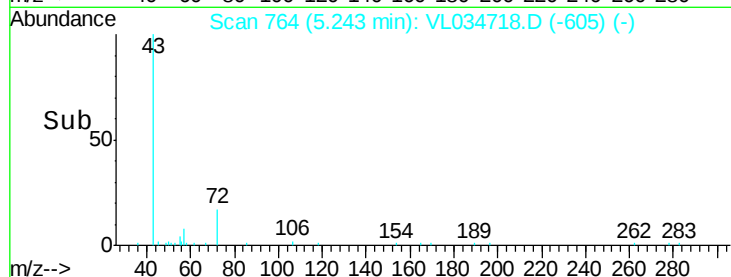
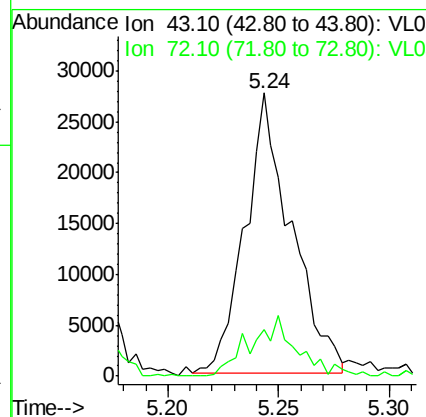
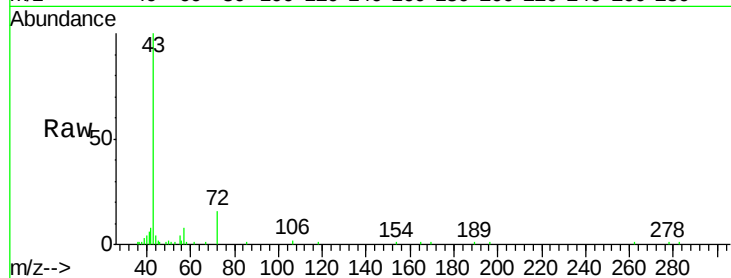
#34
2-Butanone
Concen: 0.294 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Instrument :
MSVOA_L
ClientSampleId :
IAS-6-CR-104

Tot Ion	43	Resp	39873
Ion Ratio	Lower	Upper	
43	100		
72	22.0	18.2	27.2

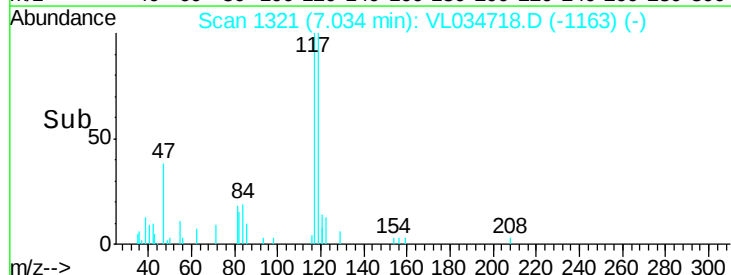
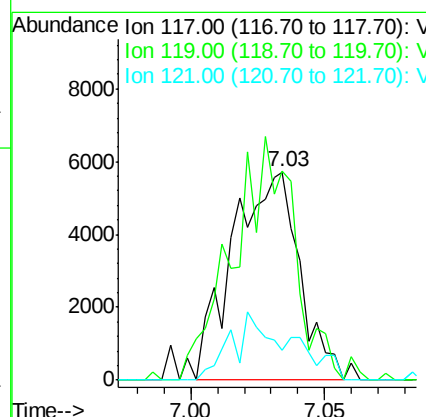
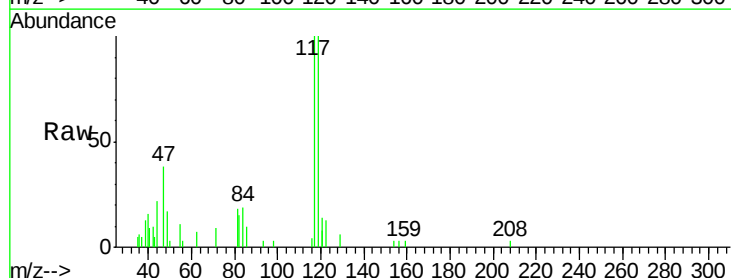
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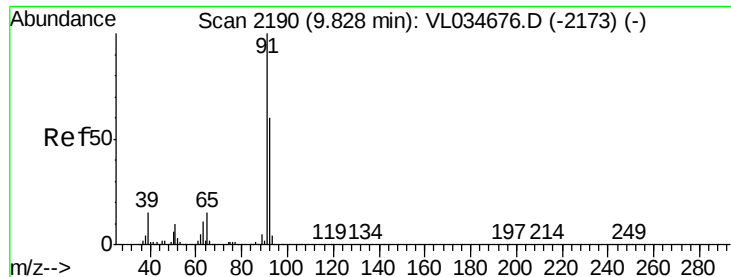
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#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 7.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Tgt Ion	117	Resp	9911
Ion Ratio	Lower	Upper	
117	100		
119	100.3	75.5	113.3
121	14.5	25.4	38.0#





#53

Toluene

Concen: 4.763 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034718.D

Acq: 27 Feb 2020 21:14

Tot Ion: 91 Resp: 941702

Ion Ratio Lower Upper

91 100

92 58.3 48.5 72.7

Instrument :

MSVOA_L

ClientSampleId :

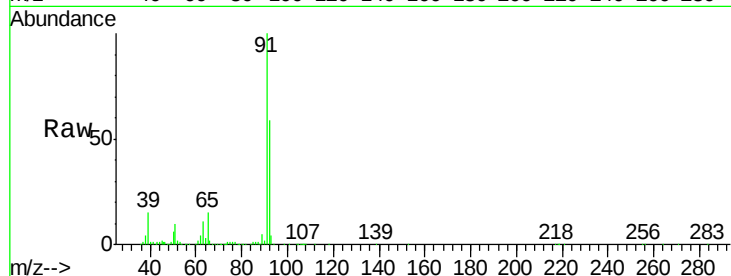
IAS-6-CR-104

Manual Integrations

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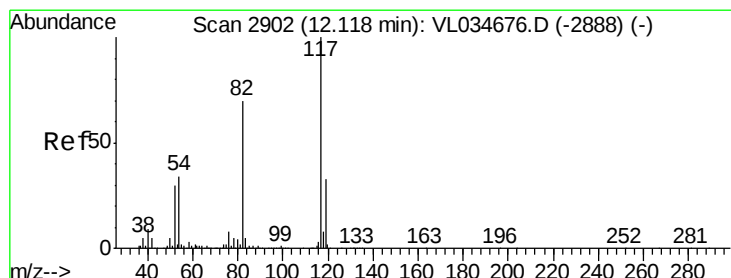
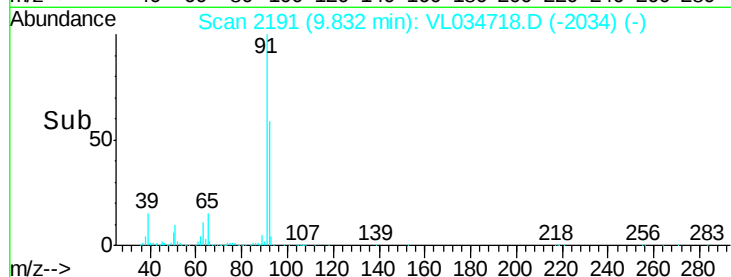
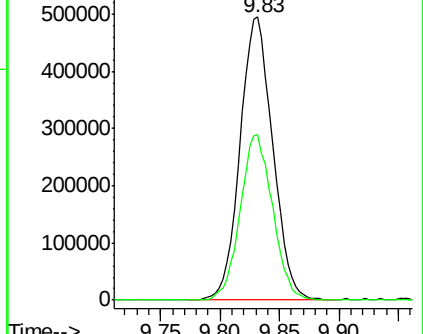
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL034718.D

Acq: 27 Feb 2020 21:14

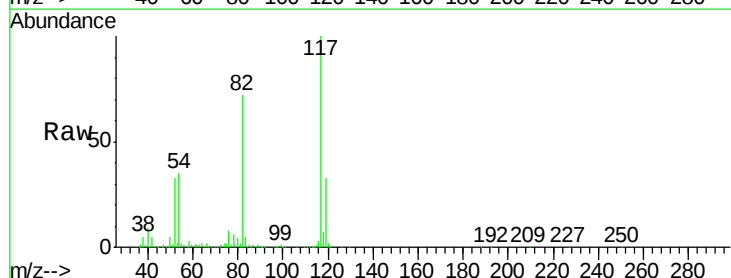
Tgt Ion: 117 Resp: 2167885

Ion Ratio Lower Upper

117 100

82 70.1 54.1 81.1

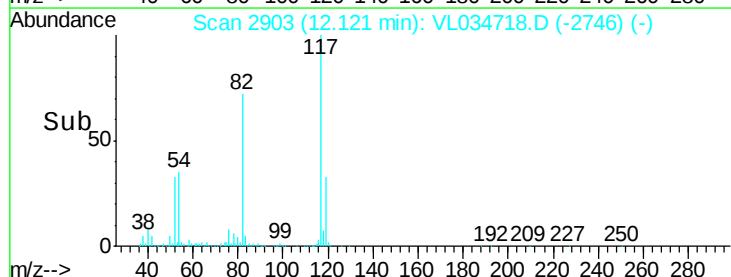
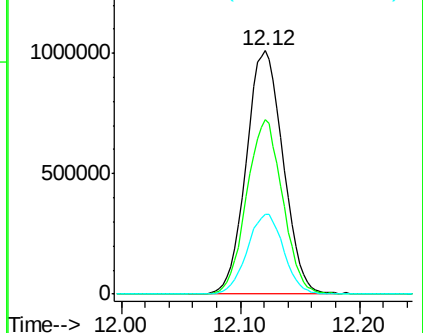
119 32.6 27.6 41.4

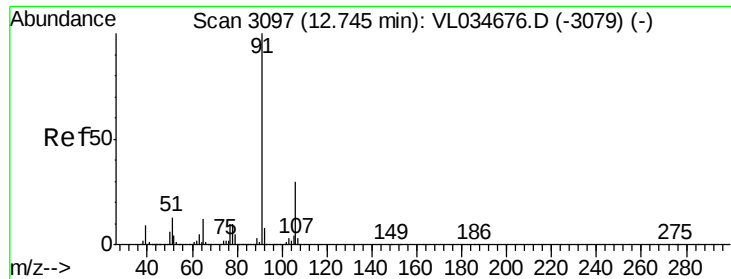


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.187 ppbv m

RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL034718.D

Acq: 27 Feb 2020 21:14

Instrument :

MSVOA_L

ClientSampleId :

IAS-6-CR-104

Tot Ion: 91 Resp: 49040

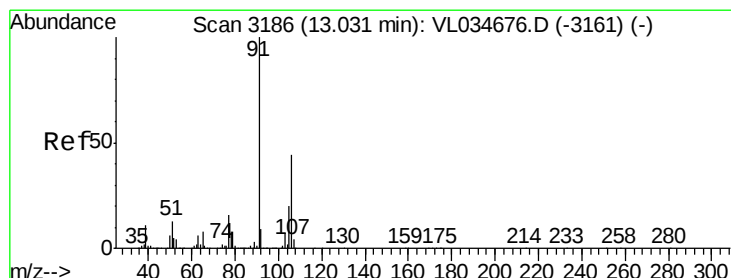
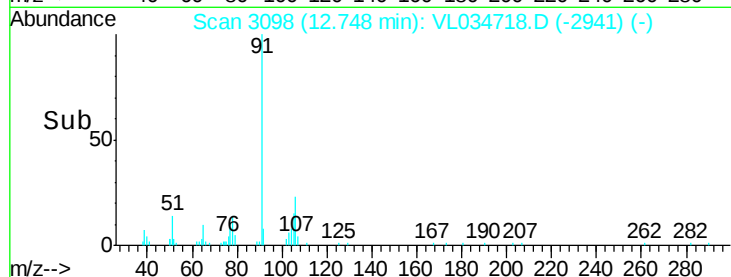
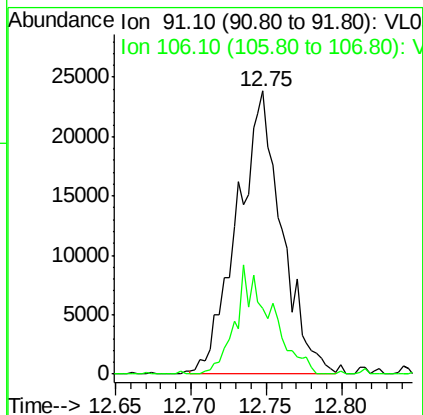
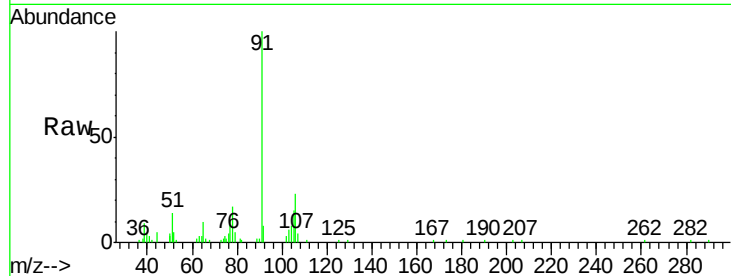
Ion Ratio Lower Upper

91 100

106 23.2 24.0 36.0#

Manual Integrations
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#59

m/p-Xylene

Concen: 0.912 ppbv m

RT: 13.01 min Scan# 3178

Delta R.T. -0.03 min

Lab File: VL034718.D

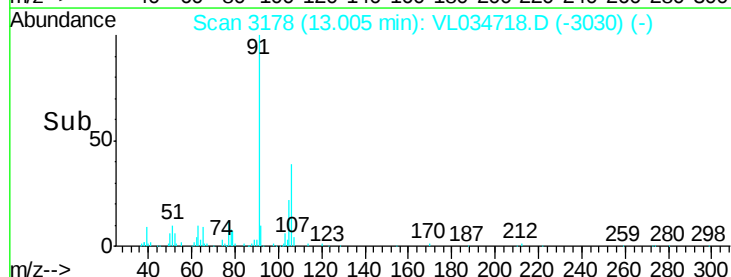
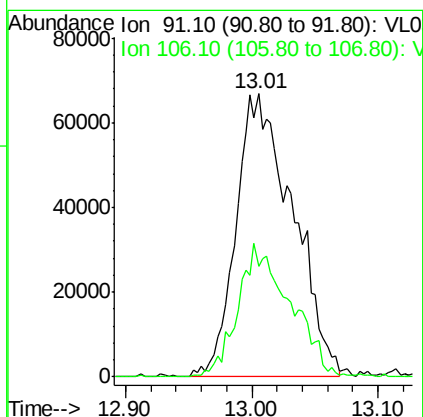
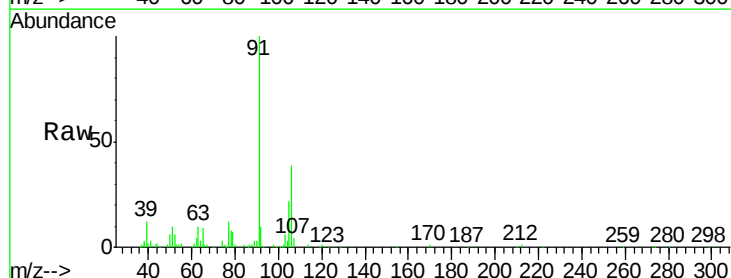
Acq: 27 Feb 2020 21:14

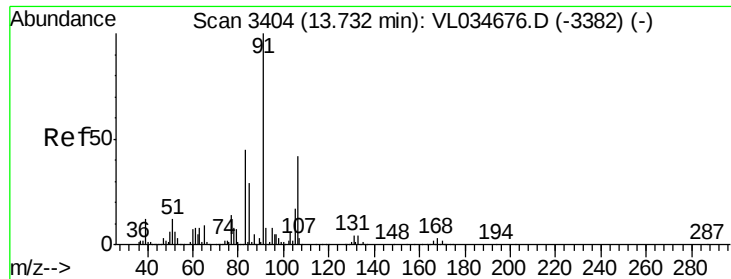
Tgt Ion: 91 Resp: 208629

Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#





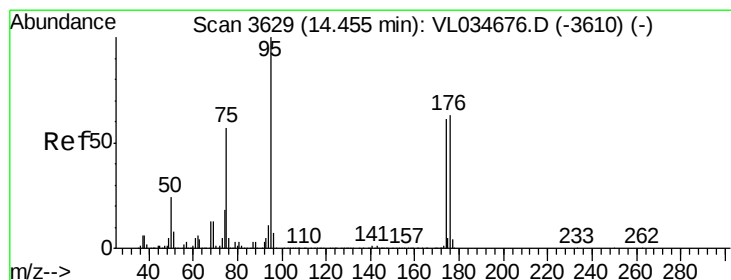
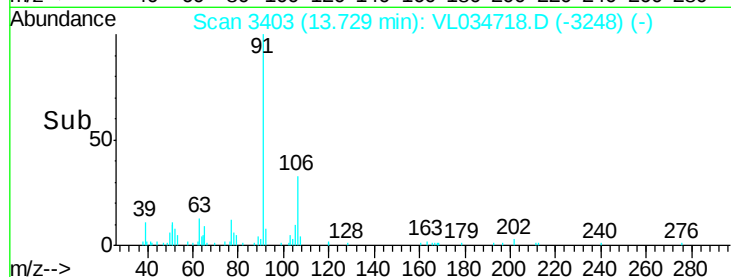
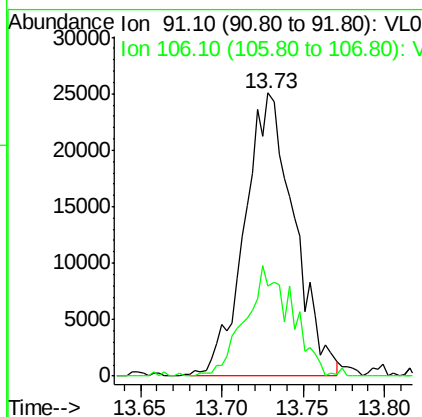
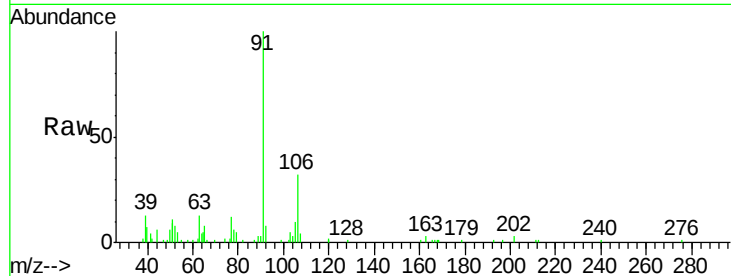
#60
o-Xylene
Concen: 0.233 ppbv m
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Instrument :
MSVOA_L
ClientSampleId :
IAS-6-CR-104

Tot Ion	Ratio	Lower	Upper
91	100		
106	36.8	21.9	65.5

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.441 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.00 min
Lab File: VL034718.D
Acq: 27 Feb 2020 21:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.1	50.7	76.1
175	4.4	3.9	5.9

