

Data File : VL034715.D
Acq On : 27 Feb 2020 19:13
Operator : SY/AP
Sample : L1662-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORGE-RM-NEXT-TO-CAFE

Quant Time: Feb 28 01:09:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
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	1055076	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2134048	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2123920	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.46 95 1821775 10.46 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	10924	0.066	ppbv #	83
3) Chlorodifluoromethane	2.93	51	16091	0.141	ppbv #	72
9) Propene	2.99	41	8755	0.184	ppbv	97
13) Ethanol	3.58	45	195175	12.981	ppbv	98
15) Acetone	3.84	43	65593	0.546	ppbv	97
19) Isopropyl Alcohol	3.97	45	16572	0.231	ppbv #	70
20) Methylene Chloride	4.33	84	9181	0.205	ppbv	84
26) Hexane	5.69	57	8236	0.084	ppbv #	37
39) 1,2-Dichloropropane	7.19	63	626801	8.548	ppbv #	25
53) Toluene	9.84	91	26348	0.134	ppbv	86

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

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IAS-4-STORGE-RM-NEXT-TO-CAFE

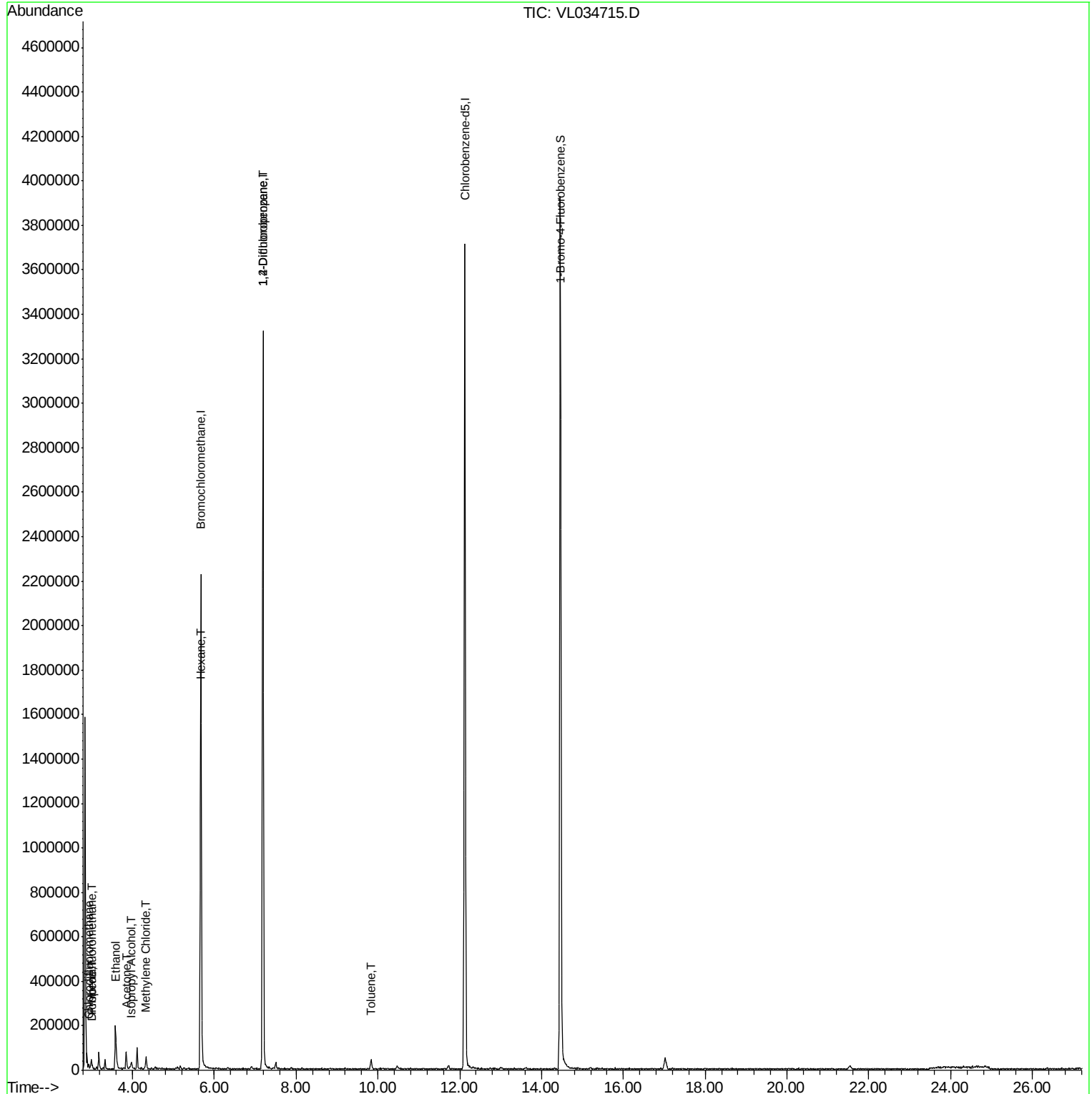
Quant Time: Feb 28 01:09:45 2020

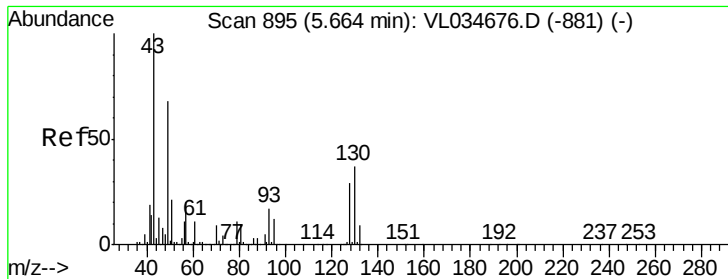
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 26 06:58:15 2020

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

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MSVOA_L

ClientSampleId :

IAS-4-STORGE-RM-NEXT-TO-CAFE

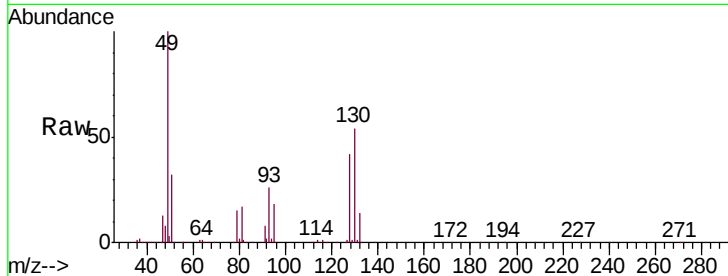
Tgt Ion: 49 Resp: 1055076

Ion Ratio Lower Upper

49 100

128 44.1 21.6 65.0

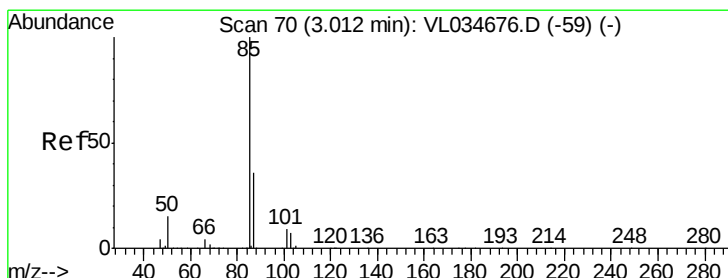
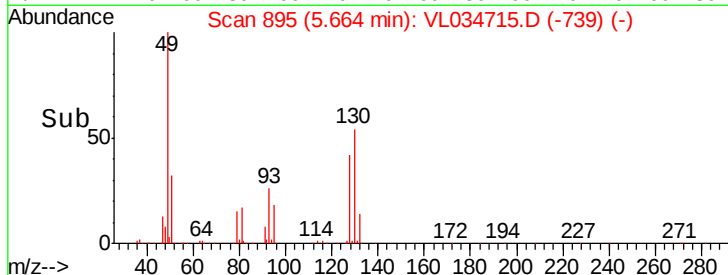
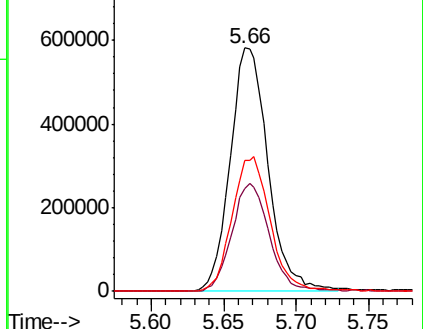
130 56.0 27.7 83.1



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



#2

Dichlorodifluoromethane

Concen: 0.066 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034715.D

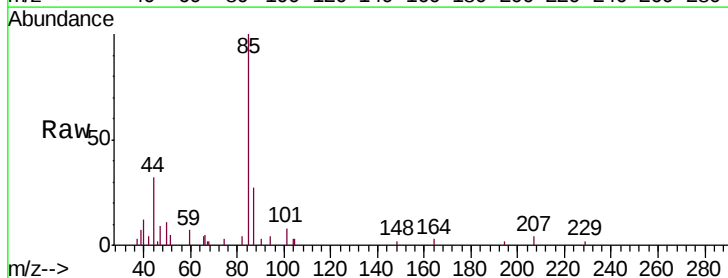
Acq: 27 Feb 2020 19:13

Tgt Ion: 85 Resp: 10924

Ion Ratio Lower Upper

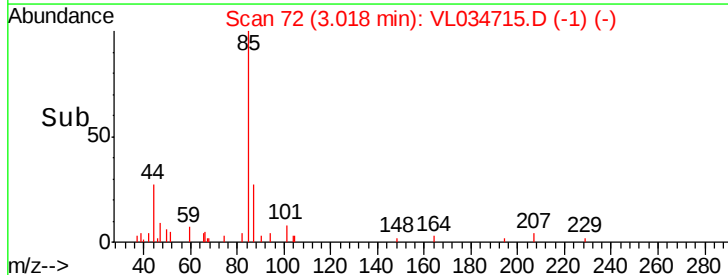
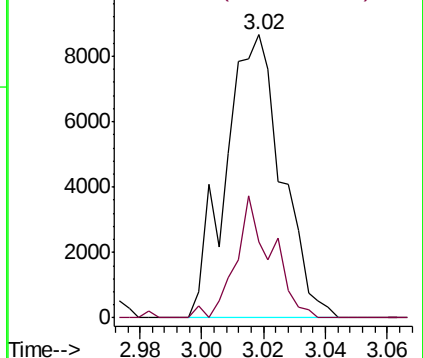
85 100

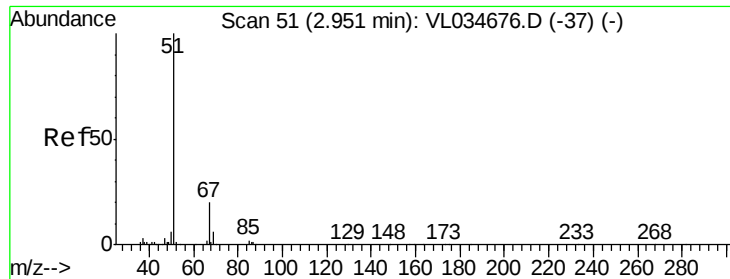
87 26.7 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.141 ppbv

RT: 2.93 min Scan# 45

Delta R.T. -0.02 min

Lab File: VL034715.D

Acq: 27 Feb 2020 19:13

Instrument :

MSVOA_L

ClientSampleId :

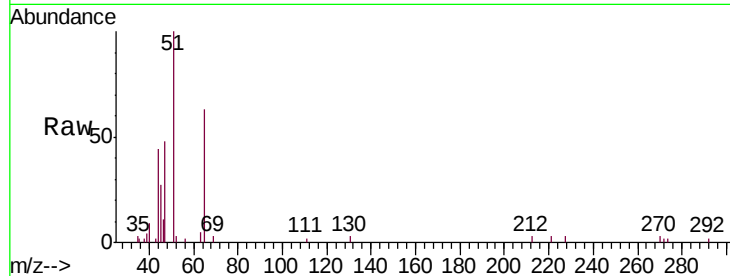
IAS-4-STORGE-RM-NEXT-TO-CAFE

Tgt Ion: 51 Resp: 16091

Ion Ratio Lower Upper

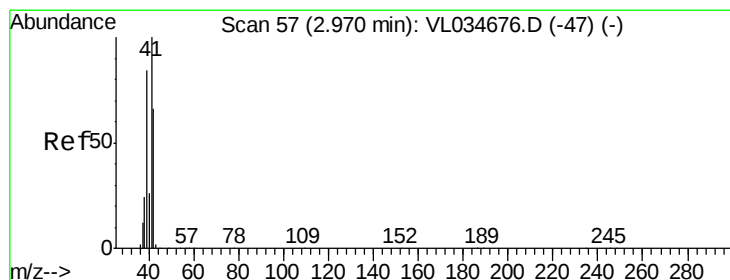
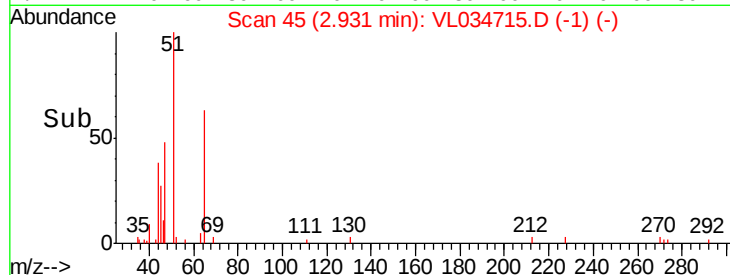
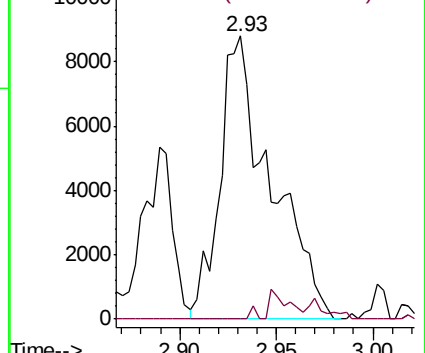
51 100

67 6.7 15.5 23.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.184 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034715.D

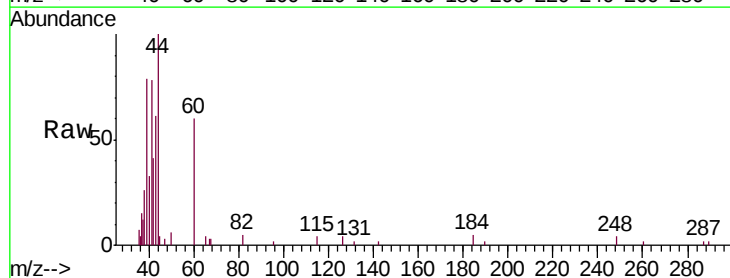
Acq: 27 Feb 2020 19:13

Tgt Ion: 41 Resp: 8755

Ion Ratio Lower Upper

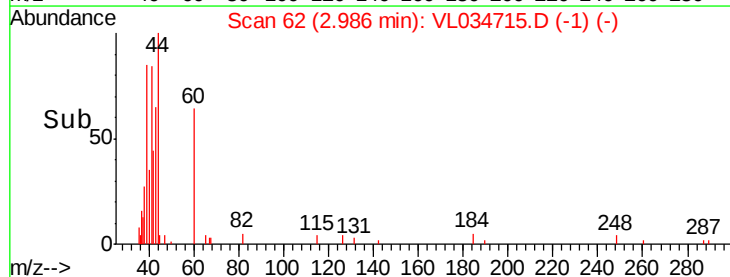
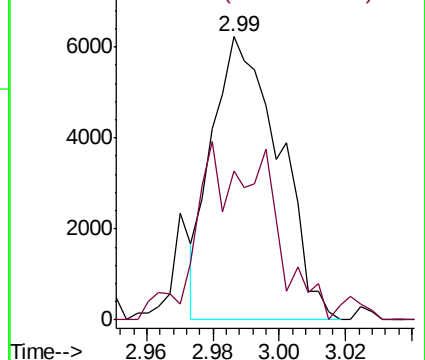
41 100

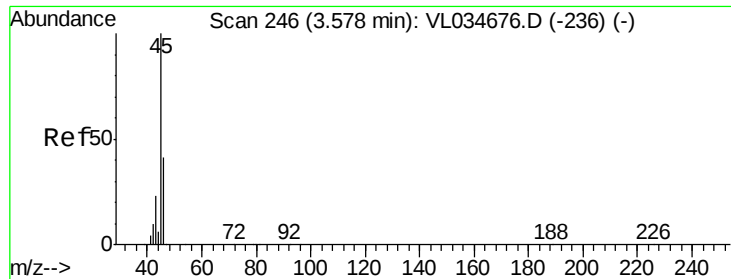
42 70.7 54.9 82.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 12.981 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034715.D

Acq: 27 Feb 2020 19:13

Instrument :

MSVOA_L

ClientSampleId :

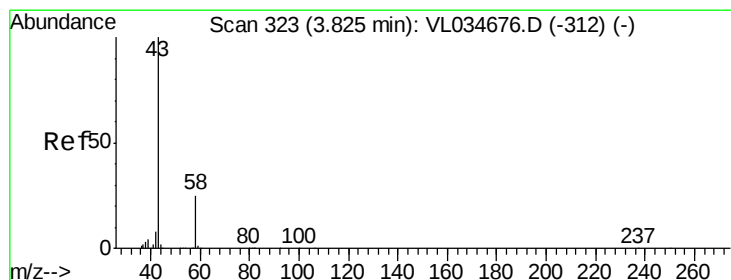
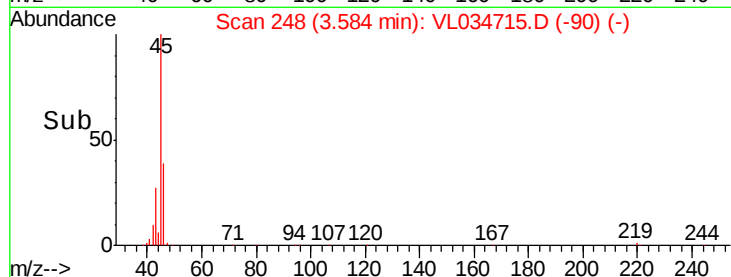
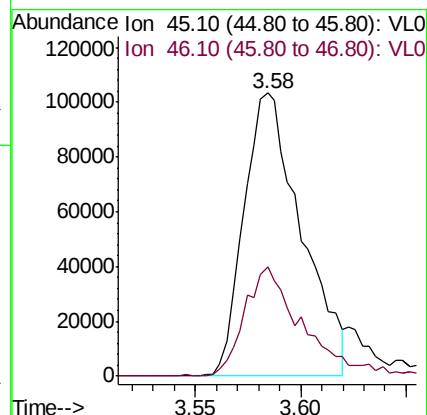
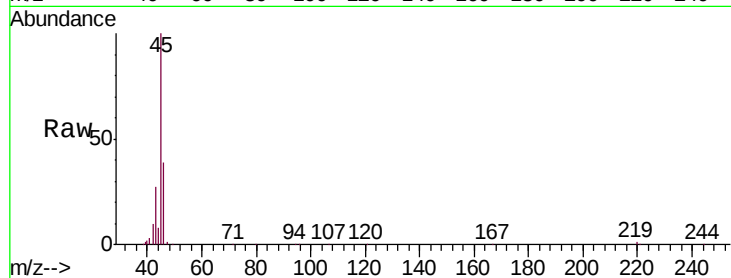
IAS-4-STORGE-RM-NEXT-TO-CAFE

Tgt Ion: 45 Resp: 195175

Ion Ratio Lower Upper

45 100

46 39.4 15.4 61.4



#15

Acetone

Concen: 0.546 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034715.D

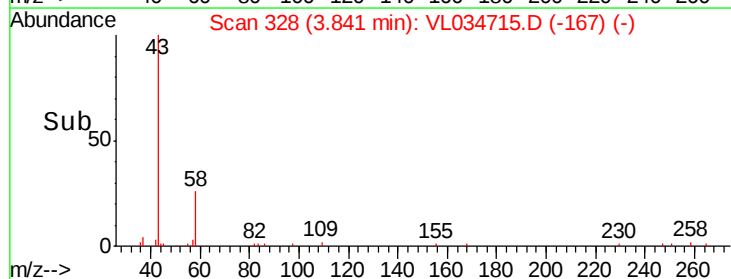
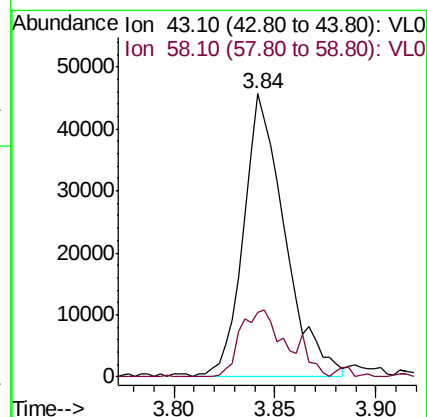
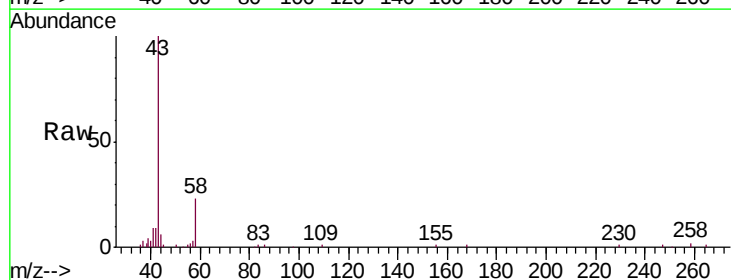
Acq: 27 Feb 2020 19:13

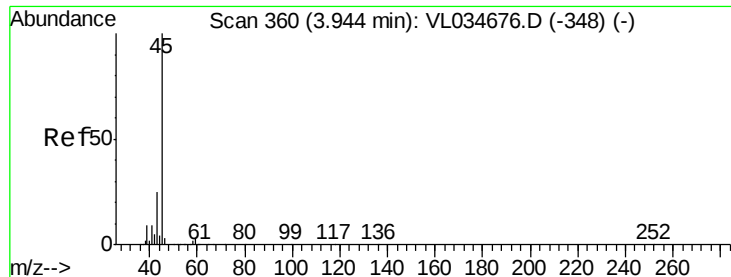
Tgt Ion: 43 Resp: 65593

Ion Ratio Lower Upper

43 100

58 28.2 21.4 32.0





#19

Isopropyl Alcohol

Concen: 0.231 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.03 min

Lab File: VL034715.D

Acq: 27 Feb 2020 19:13

Instrument :

MSVOA_L

ClientSampleId :

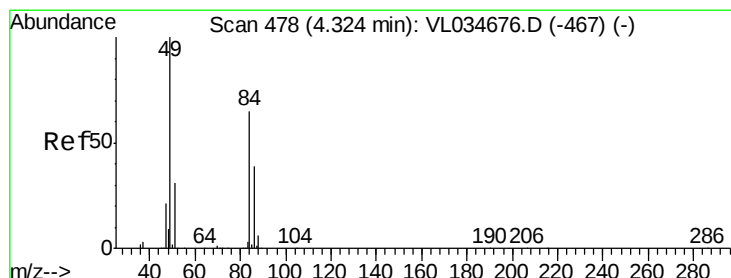
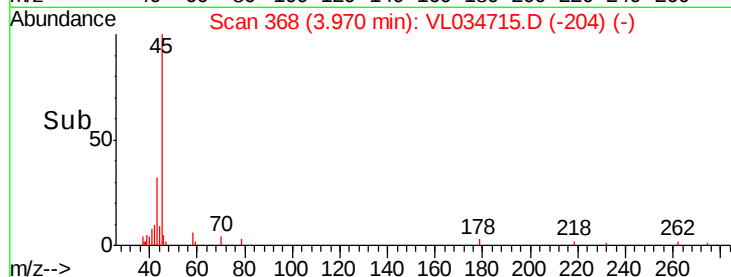
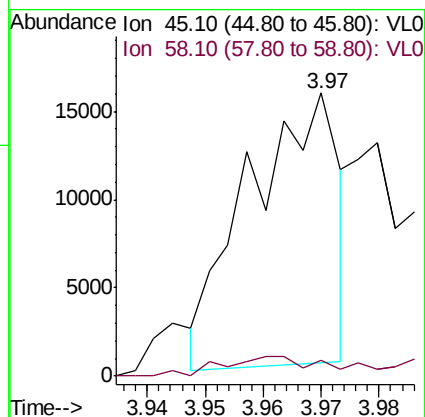
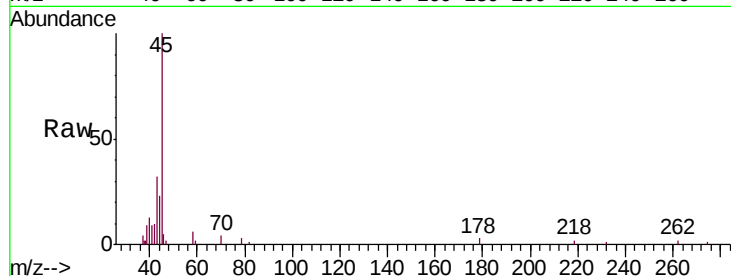
IAS-4-STORGE-RM-NEXT-TO-CAFE

Tgt Ion: 45 Resp: 16572

Ion Ratio Lower Upper

45 100

58 12.5 1.8 2.6#



#20

Methylene Chloride

Concen: 0.205 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL034715.D

Acq: 27 Feb 2020 19:13

Tgt Ion: 84 Resp: 9181

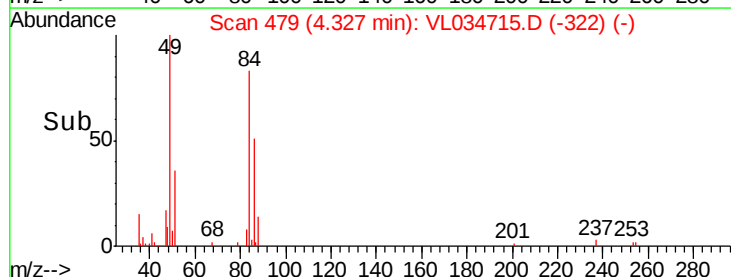
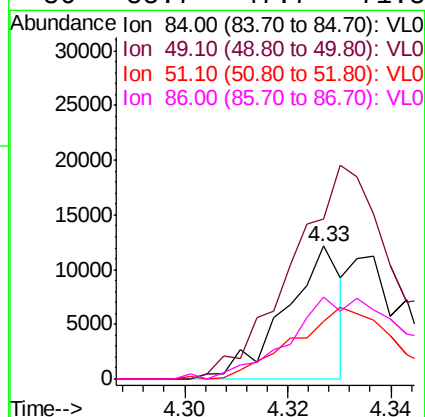
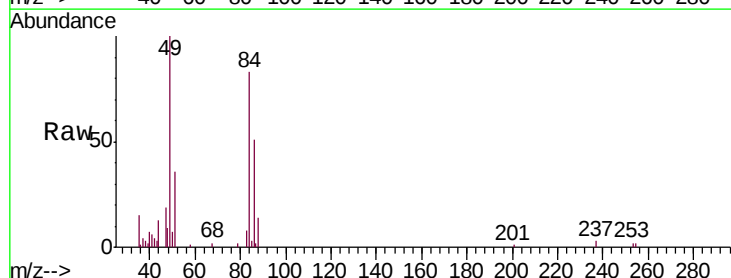
Ion Ratio Lower Upper

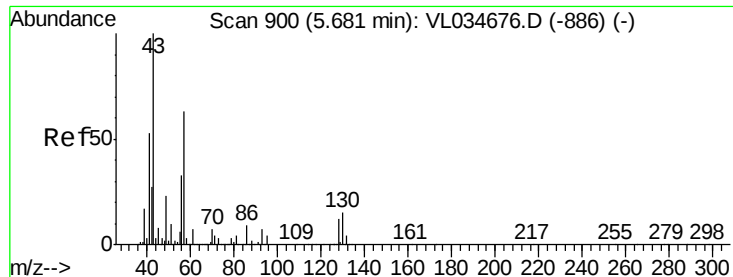
84 100

49 125.0 122.8 184.2

51 40.5 38.6 58.0

86 55.7 47.7 71.5

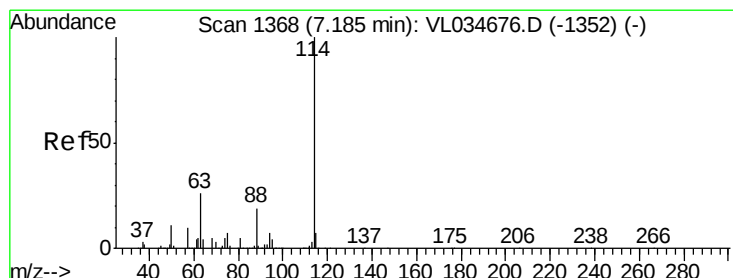
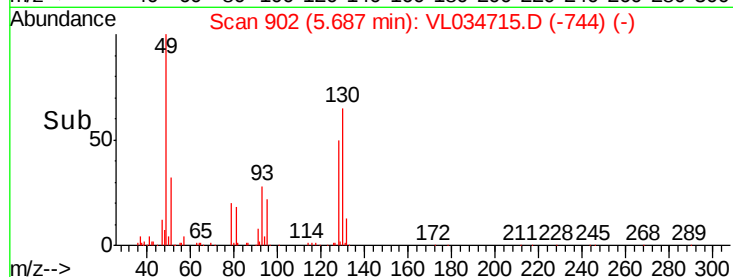
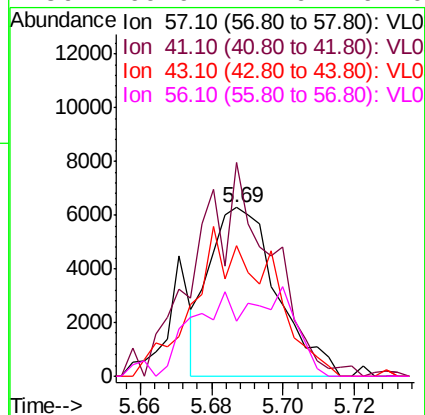
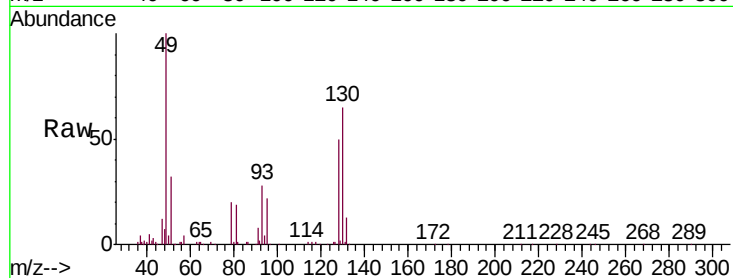




#26
Hexane
Concen: 0.084 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034715.D
Acq: 27 Feb 2020 19:13

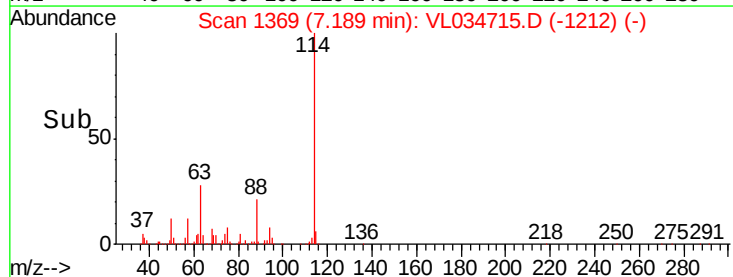
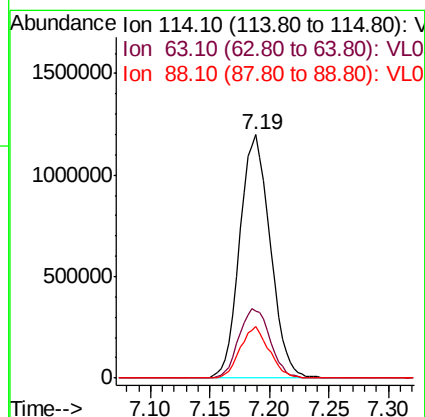
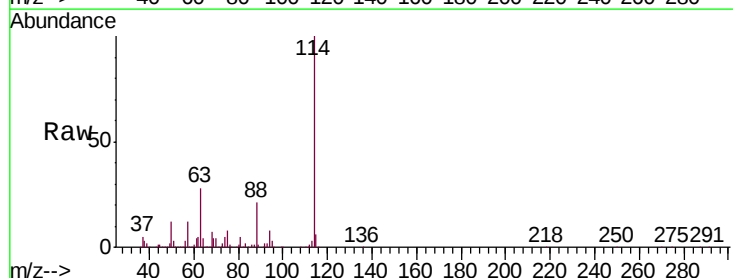
Instrument :
MSVOA_L
ClientSampleId :
IAS-4-STORGE-RM-NEXT-TO-CAFE

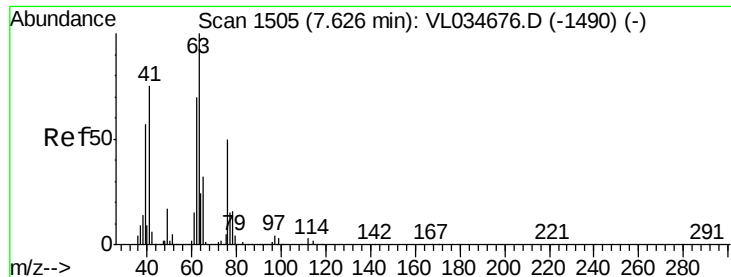
Tgt Ion: 57 Resp: 8236
Ion Ratio Lower Upper
57 100
41 143.0 70.3 105.5#
43 100.9 177.0 265.4#
56 69.9 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034715.D
Acq: 27 Feb 2020 19:13

Tgt Ion: 114 Resp: 2134048
Ion Ratio Lower Upper
114 100
63 29.5 22.9 34.3
88 20.1 15.8 23.6





#39

1,2-Dichloropropane

Concen: 8.548 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL034715.D

Acq: 27 Feb 2020 19:13

Instrument :

MSVOA_L

ClientSampleId :

IAS-4-STORGE-RM-NEXT-TO-CAFE

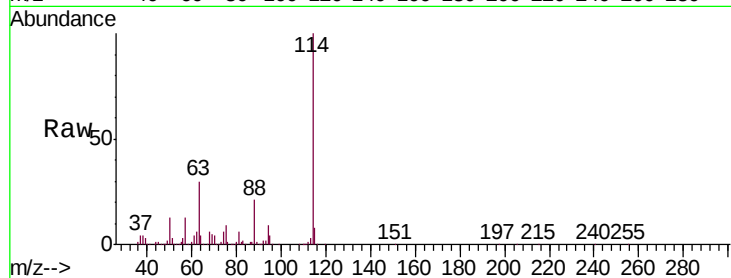
Tgt Ion: 63 Resp: 626801

Ion Ratio Lower Upper

63 100

41 0.1 60.2 90.4#

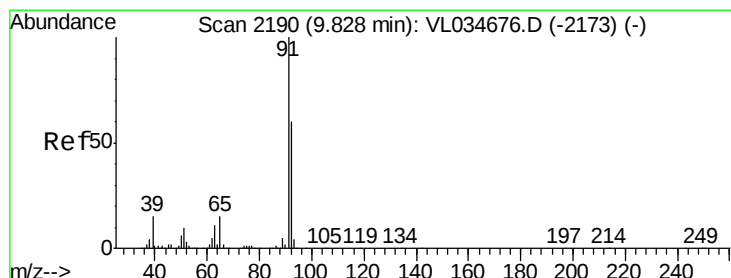
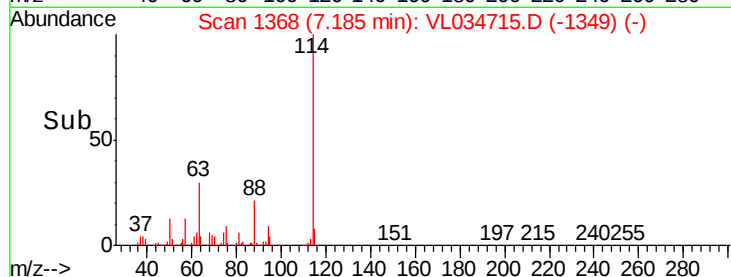
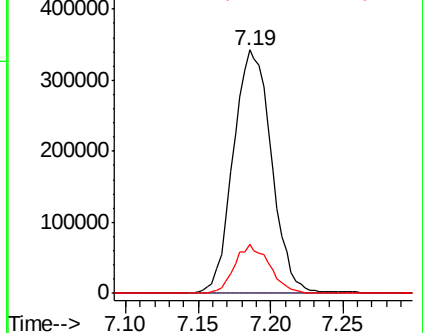
62 20.1 56.3 84.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#53

Toluene

Concen: 0.134 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VL034715.D

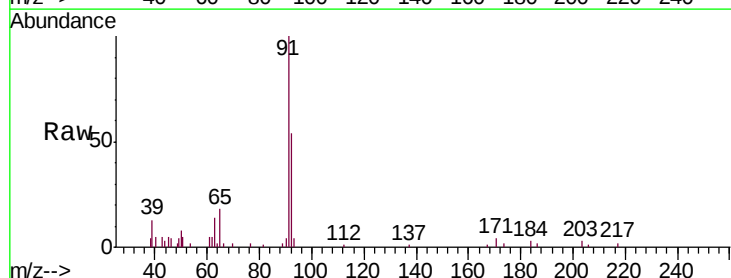
Acq: 27 Feb 2020 19:13

Tgt Ion: 91 Resp: 26348

Ion Ratio Lower Upper

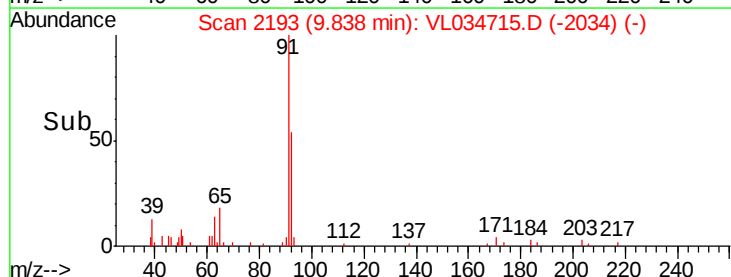
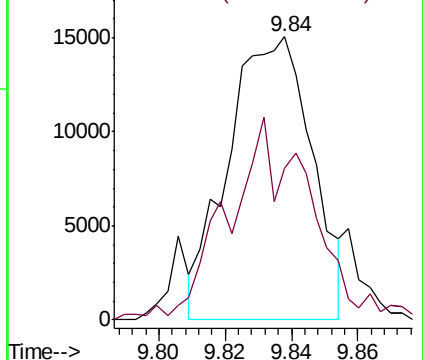
91 100

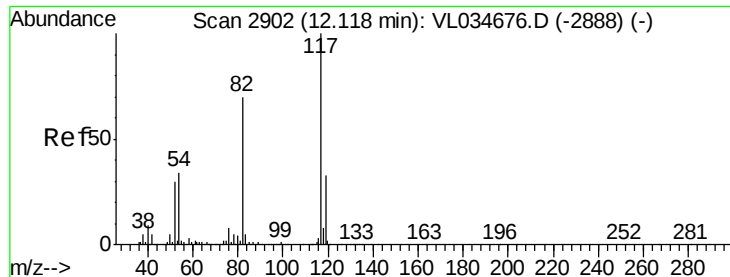
92 71.6 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

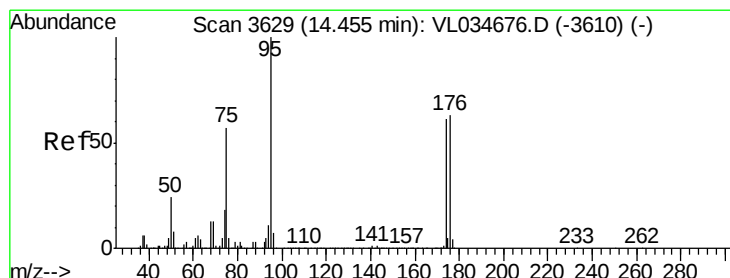
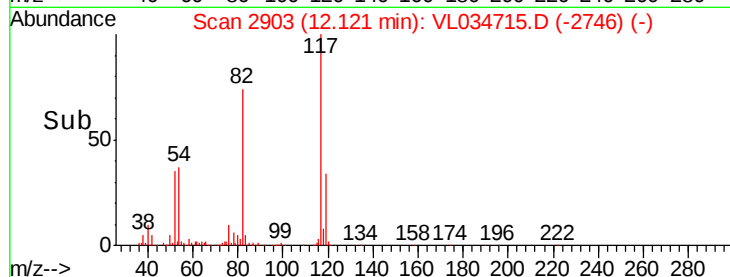
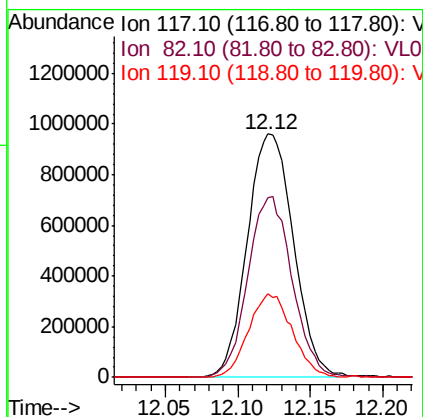
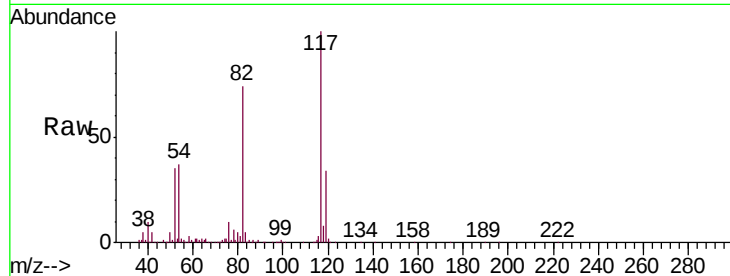




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034715.D
Acq: 27 Feb 2020 19:13

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Tgt Ion:117 Resp: 2123920
Ion Ratio Lower Upper
117 100
82 71.7 54.1 81.1
119 32.7 27.6 41.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.461 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.01 min
Lab File: VL034715.D
Acq: 27 Feb 2020 19:13

Tgt Ion: 95 Resp: 1821775
Ion Ratio Lower Upper
95 100
174 62.3 50.7 76.1
175 4.4 3.9 5.9

