

Data File : VL034711.D
Acq On : 27 Feb 2020 16:34
Operator : SY/AP
Sample : L1662-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IAS-2-MUSIC-ROOMDL

Quant Time: Feb 28 01:08:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.67	49	1038939	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2088879	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2053215	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1736210	10.31	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

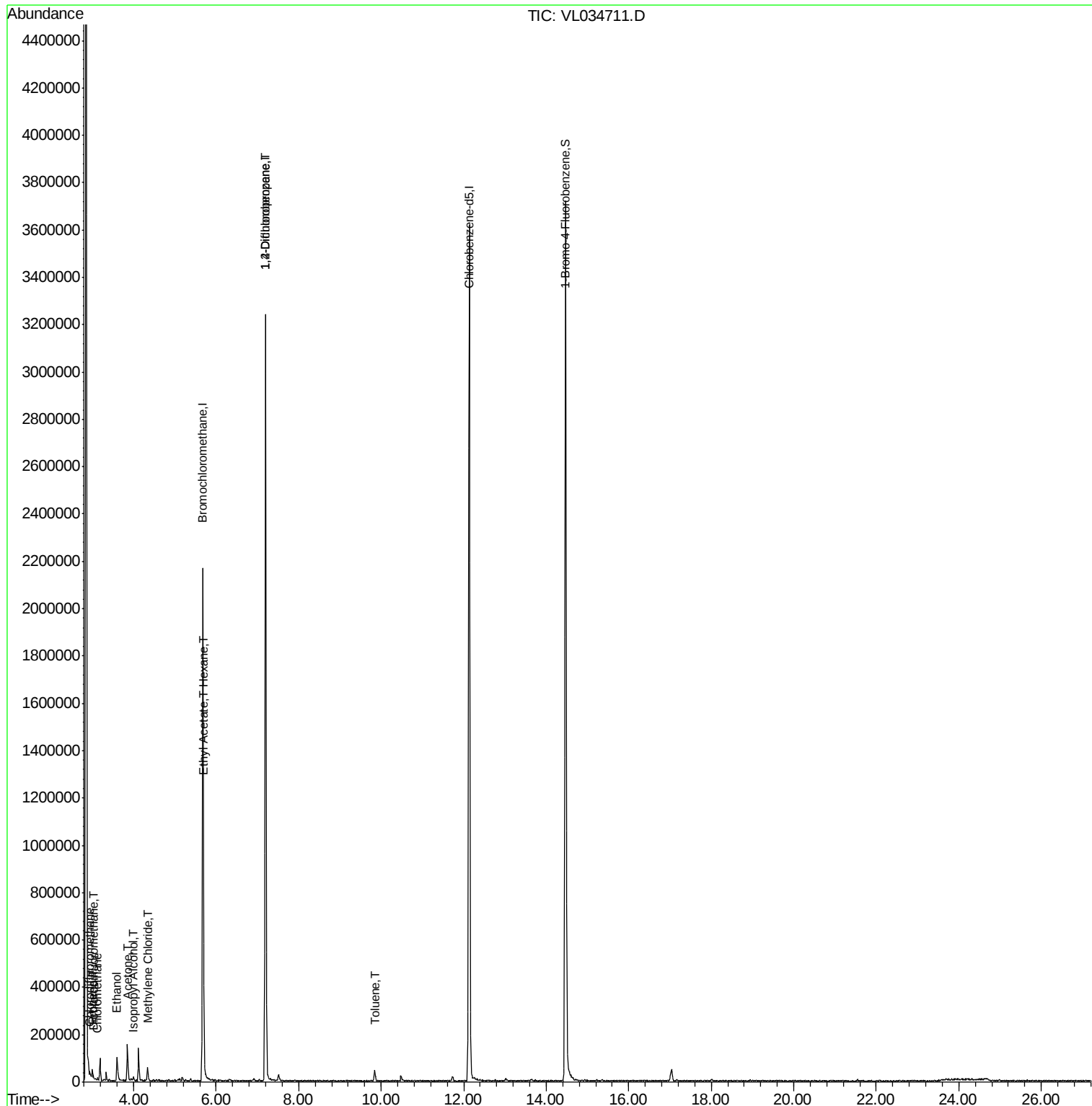
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	10322	0.063	ppbv	97
3) Chlorodifluoromethane	2.94	51	18073	0.161	ppbv #	70
4) Chloromethane	3.12	50	4377	0.070	ppbv #	86
9) Propene	3.00	41	4806	0.103	ppbv	85
13) Ethanol	3.59	45	100626	6.796	ppbv	98
15) Acetone	3.85	43	139439	1.178	ppbv	97
19) Isopropyl Alcohol	3.98	45	4960	0.070	ppbv #	94
20) Methylene Chloride	4.34	84	12524	0.284	ppbv #	89
25) Ethyl Acetate	5.70	43	12060	0.058	ppbv #	83
26) Hexane	5.70	57	9348	0.097	ppbv #	37
39) 1,2-Dichloropropane	7.19	63	618837	8.622	ppbv #	24
53) Toluene	9.84	91	27269	0.142	ppbv	85

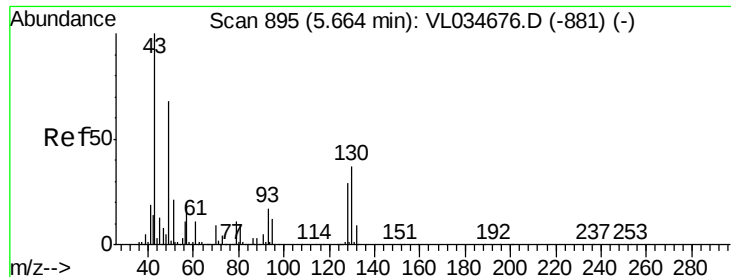
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

IAS-2-MUSIC-ROOMDL

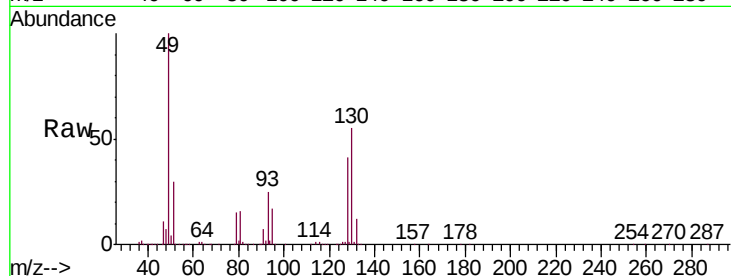
Tgt Ion: 49 Resp: 1038939

Ion Ratio Lower Upper

49 100

128 43.7 21.6 65.0

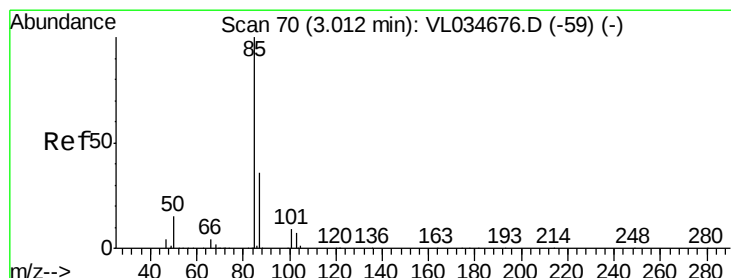
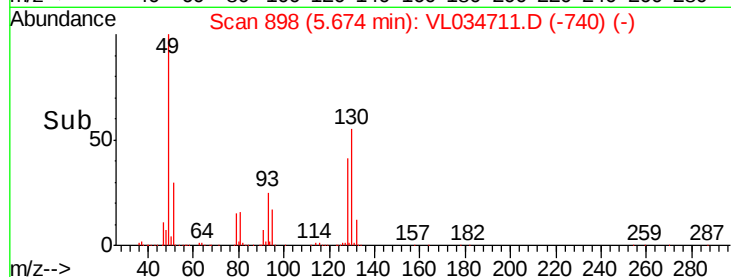
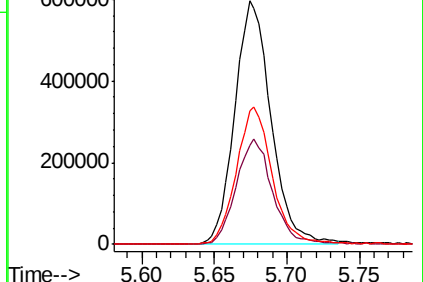
130 55.6 27.7 83.1



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: 0.063 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL034711.D

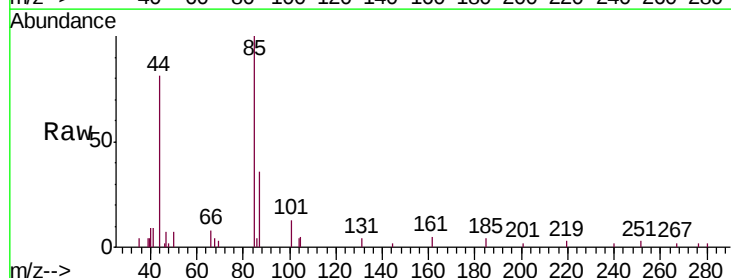
Acq: 27 Feb 2020 16:34

Tgt Ion: 85 Resp: 10322

Ion Ratio Lower Upper

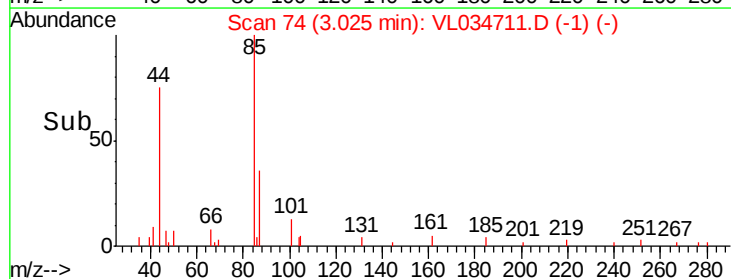
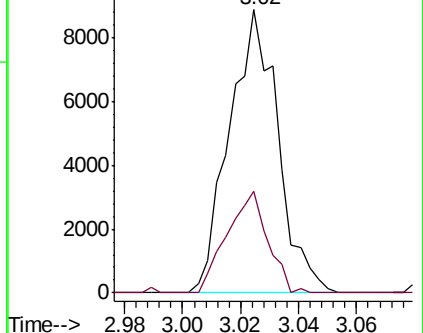
85 100

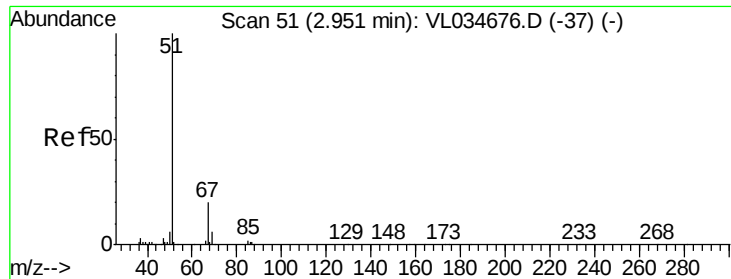
87 34.6 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.161 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL034711.D

Acq: 27 Feb 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

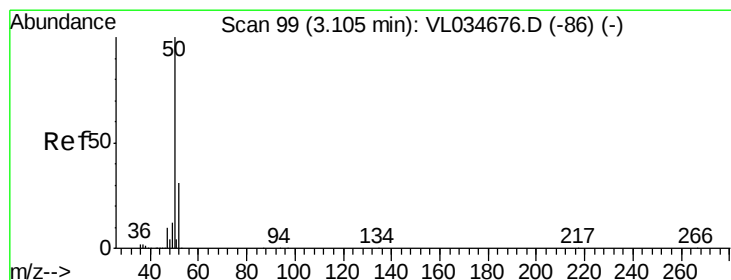
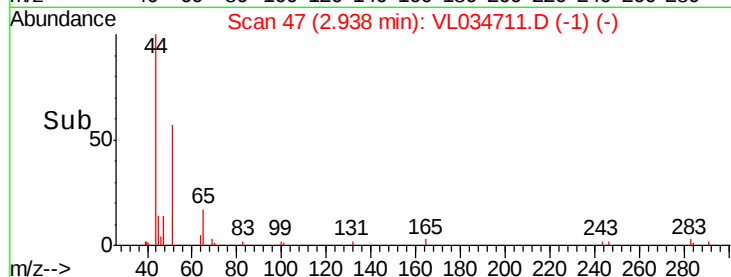
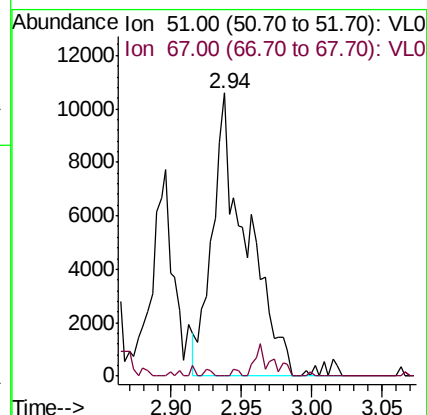
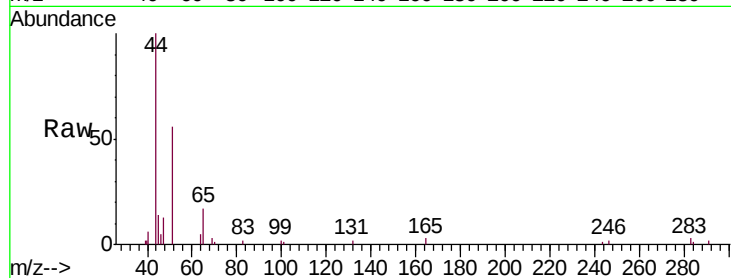
IAS-2-MUSIC-ROOMDL

Tgt Ion: 51 Resp: 18073

Ion Ratio Lower Upper

51 100

67 5.9 15.5 23.3#



#4

Chloromethane

Concen: 0.070 ppbv

RT: 3.12 min Scan# 103

Delta R.T. 0.01 min

Lab File: VL034711.D

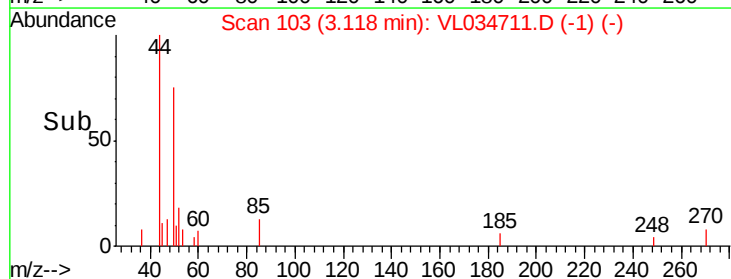
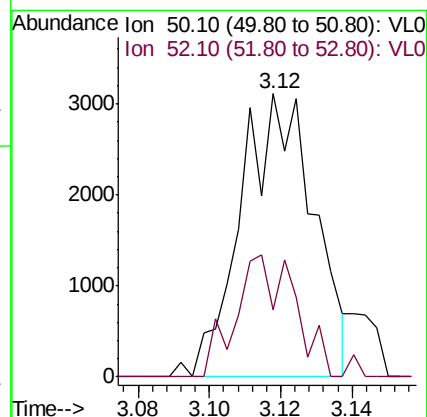
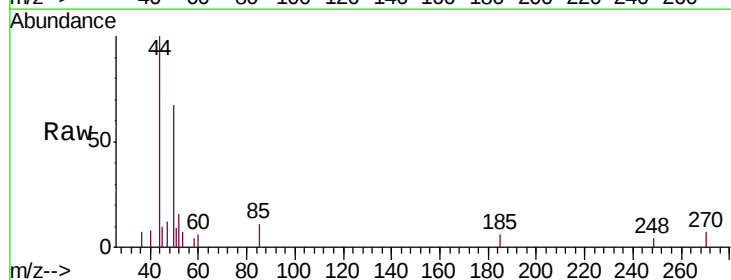
Acq: 27 Feb 2020 16:34

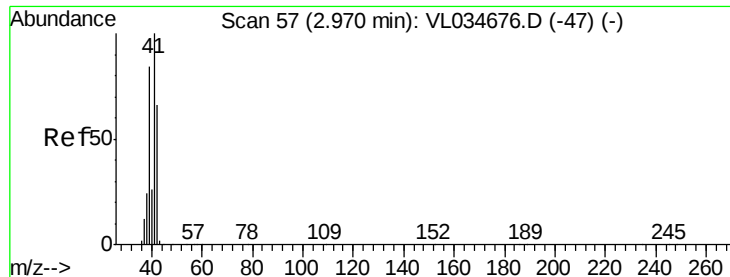
Tgt Ion: 50 Resp: 4377

Ion Ratio Lower Upper

50 100

52 23.8 25.0 37.4#





#9

Propene

Concen: 0.103 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.03 min

Lab File: VL034711.D

Acq: 27 Feb 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

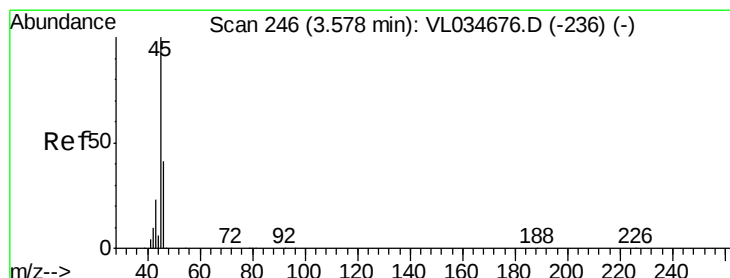
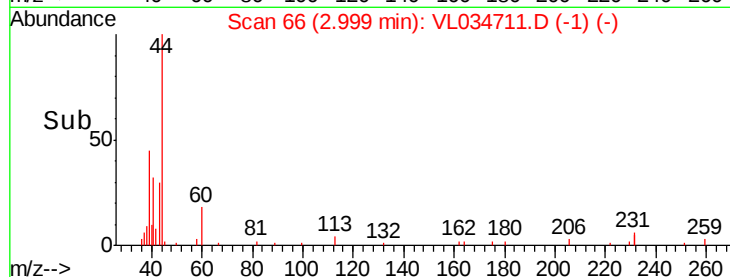
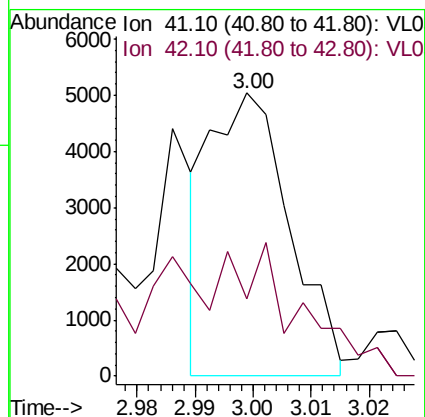
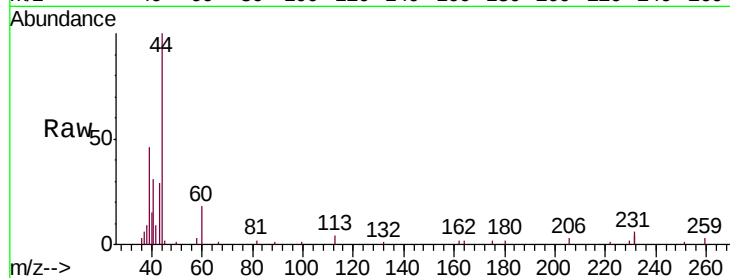
IAS-2-MUSIC-ROOMDL

Tgt Ion: 41 Resp: 4806

Ion Ratio Lower Upper

41 100

42 80.8 54.9 82.3



#13

Ethanol

Concen: 6.796 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL034711.D

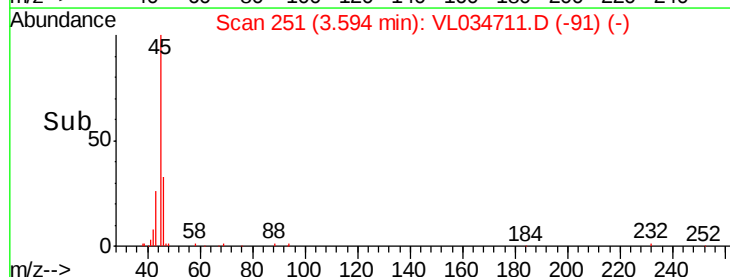
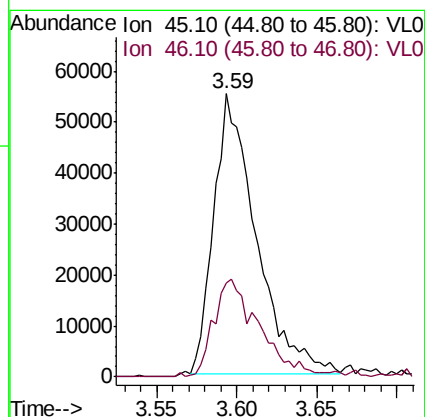
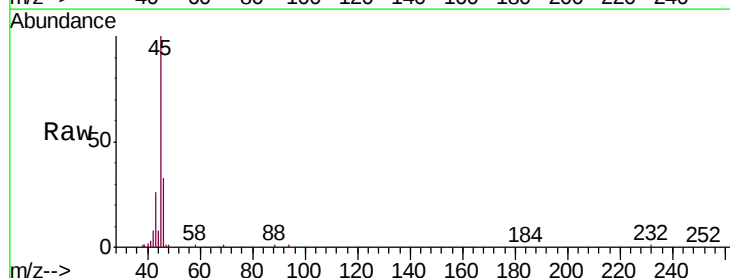
Acq: 27 Feb 2020 16:34

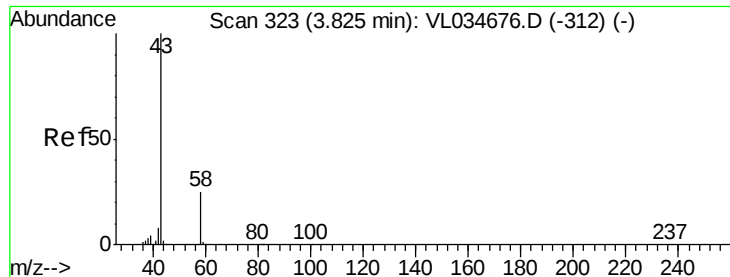
Tgt Ion: 45 Resp: 100626

Ion Ratio Lower Upper

45 100

46 39.4 15.4 61.4





#15

Acetone

Concen: 1.178 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.03 min

Lab File: VL034711.D

Acq: 27 Feb 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

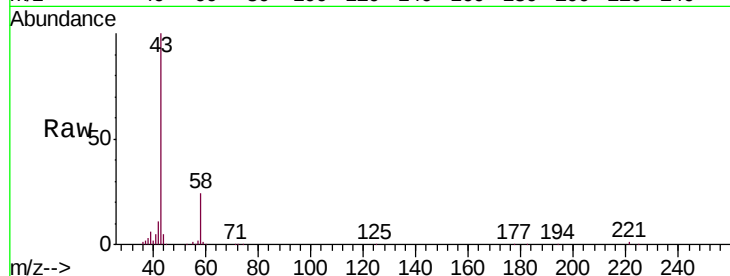
IAS-2-MUSIC-ROOMDL

Tgt Ion: 43 Resp: 139439

Ion Ratio Lower Upper

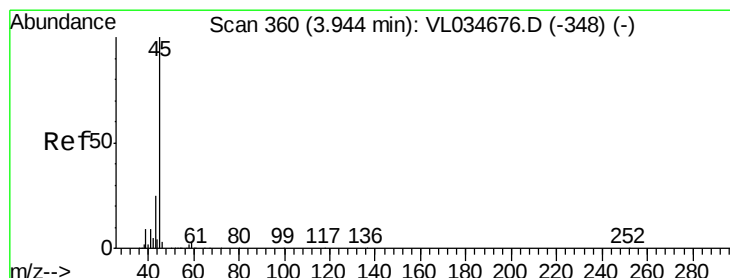
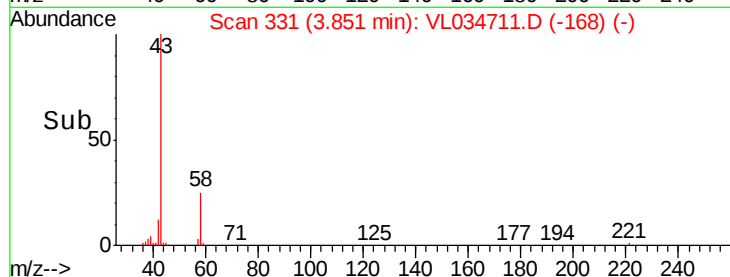
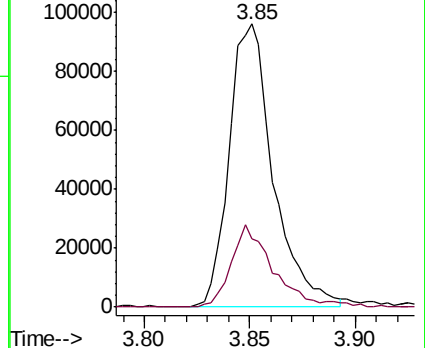
43 100

58 28.1 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.070 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.04 min

Lab File: VL034711.D

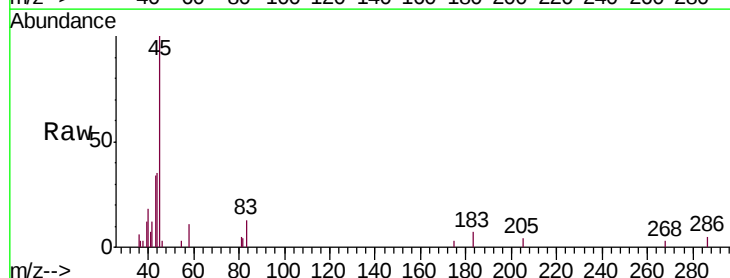
Acq: 27 Feb 2020 16:34

Tgt Ion: 45 Resp: 4960

Ion Ratio Lower Upper

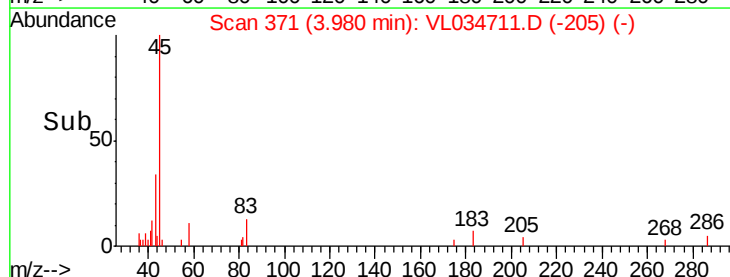
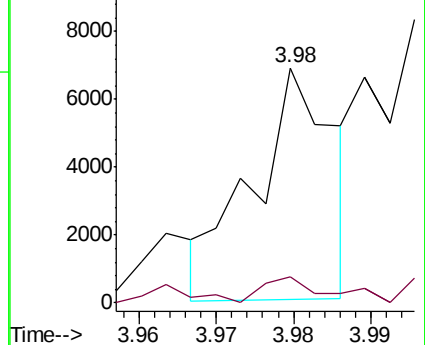
45 100

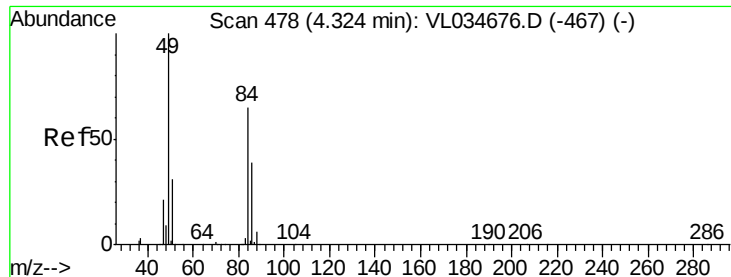
58 0.0 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

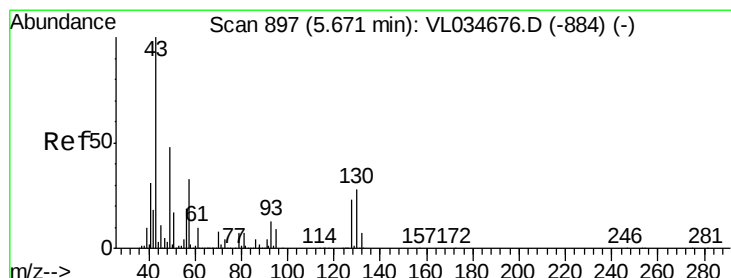
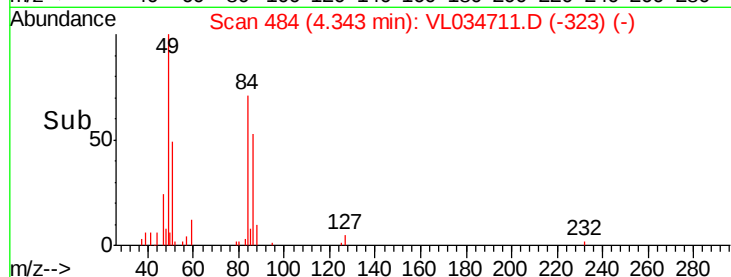
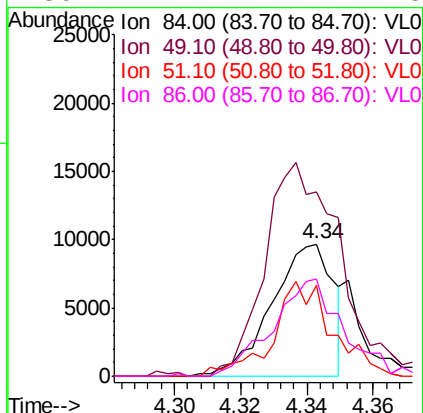
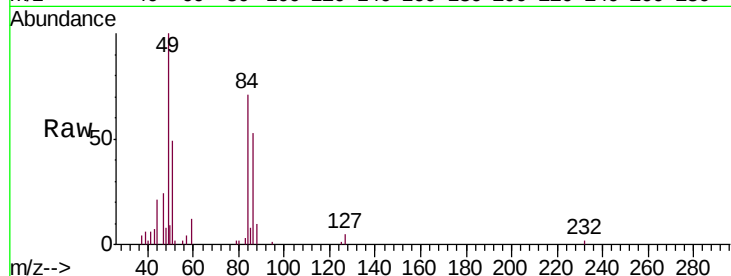




#20
Methylene Chloride
Concen: 0.284 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL034711.D
Acq: 27 Feb 2020 16:34

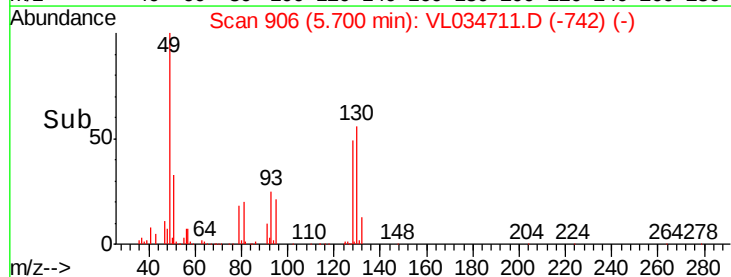
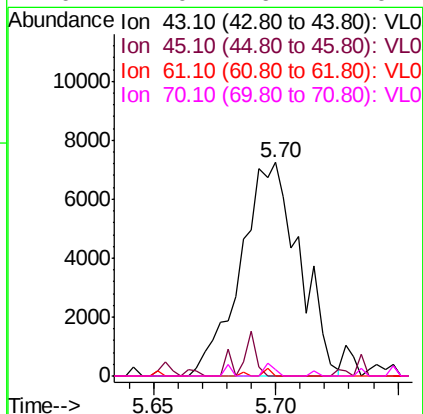
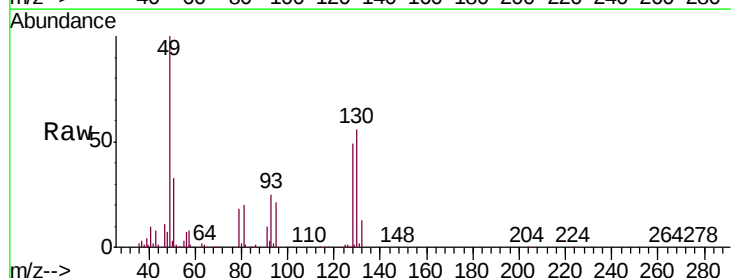
Instrument :
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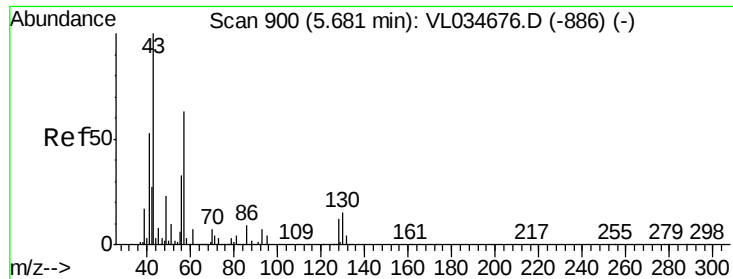
Tgt Ion: 84 Resp: 12524
Ion Ratio Lower Upper
84 100
49 152.2 122.8 184.2
51 69.2 38.6 58.0#
86 74.1 47.7 71.5#



#25
Ethyl Acetate
Concen: 0.058 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL034711.D
Acq: 27 Feb 2020 16:34

Tgt Ion: 43 Resp: 12060
Ion Ratio Lower Upper
43 100
45 7.1 8.2 12.4#
61 0.0 7.8 11.6#
70 2.0 6.1 9.1#

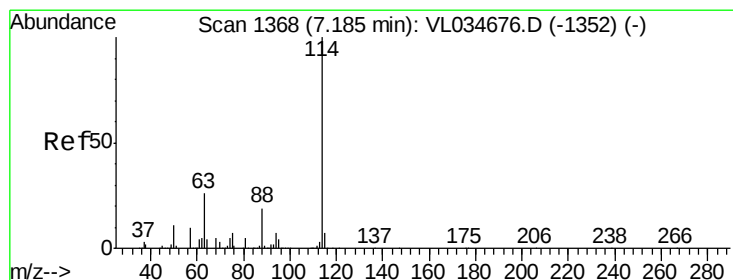
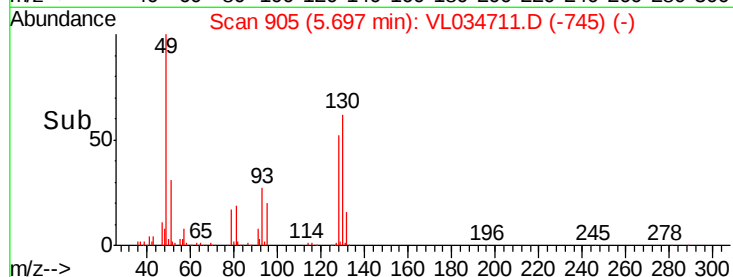
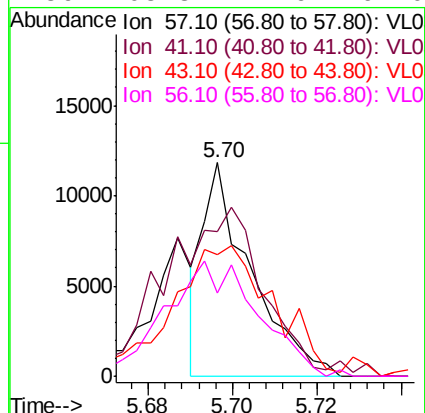
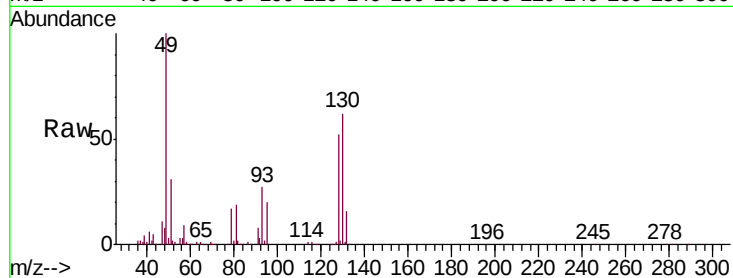




#26
Hexane
Concen: 0.097 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL034711.D
Acq: 27 Feb 2020 16:34

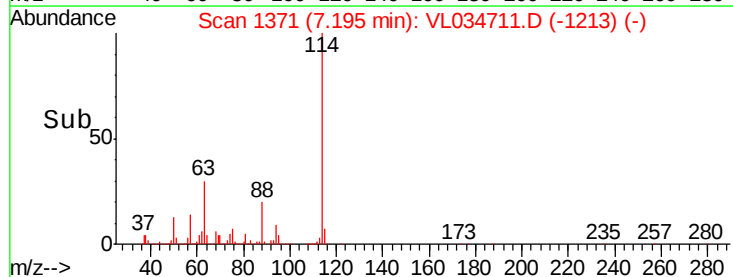
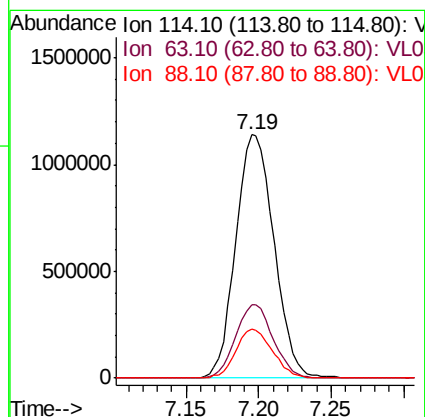
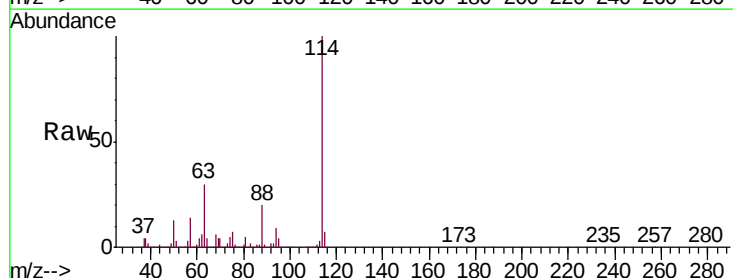
Instrument :
MSVOA_L
ClientSampleId :
IAS-2-MUSIC-ROOMDL

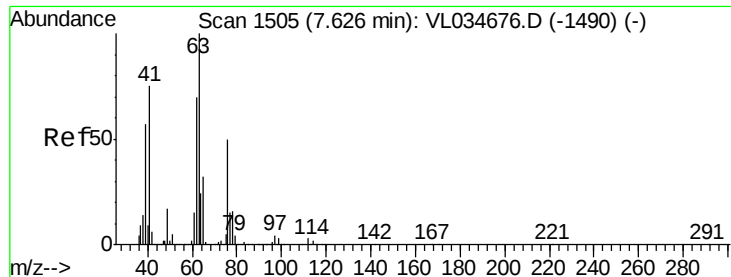
Tgt Ion: 57 Resp: 9348
Ion Ratio Lower Upper
57 100
41 166.1 70.3 105.5#
43 136.0 177.0 265.4#
56 105.3 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. 0.01 min
Lab File: VL034711.D
Acq: 27 Feb 2020 16:34

Tgt Ion: 114 Resp: 2088879
Ion Ratio Lower Upper
114 100
63 29.7 22.9 34.3
88 19.5 15.8 23.6





#39

1,2-Dichloropropane

Concen: 8.622 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.43 min

Lab File: VL034711.D

Acq: 27 Feb 2020 16:34

Instrument :

MSVOA_L

ClientSampleId :

IAS-2-MUSIC-ROOMDL

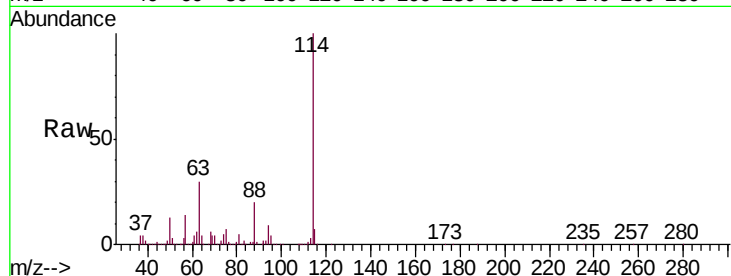
Tgt Ion: 63 Resp: 618837

Ion Ratio Lower Upper

63 100

41 0.2 60.2 90.4#

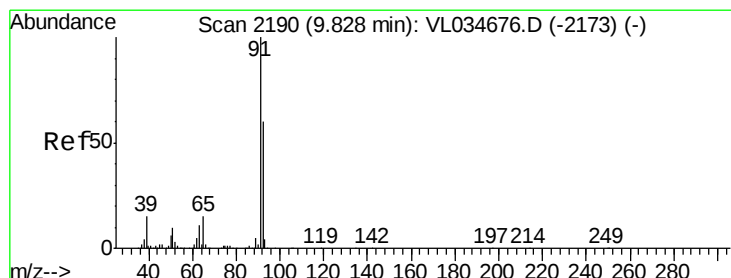
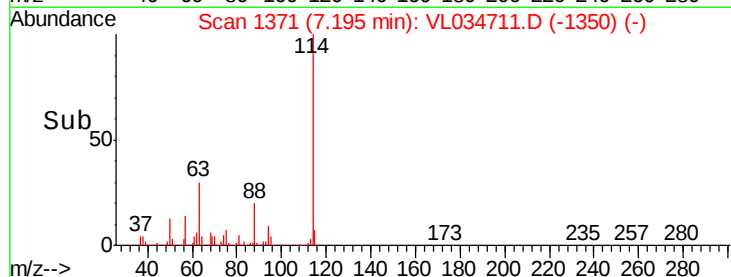
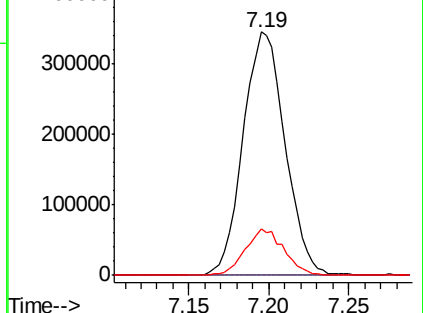
62 18.9 56.3 84.5#



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: 0.142 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. 0.02 min

Lab File: VL034711.D

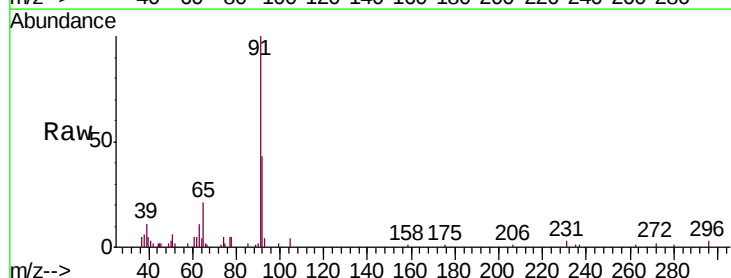
Acq: 27 Feb 2020 16:34

Tgt Ion: 91 Resp: 27269

Ion Ratio Lower Upper

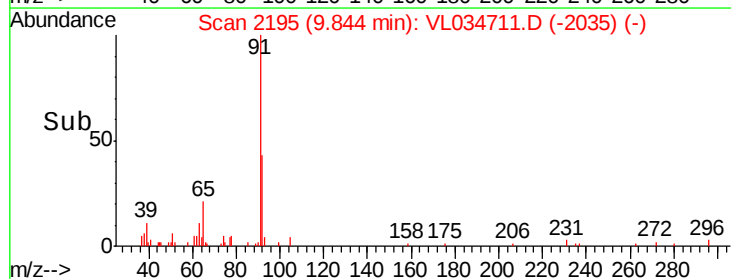
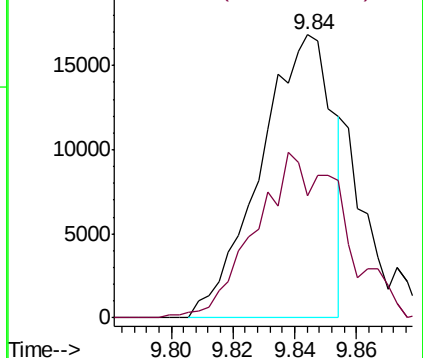
91 100

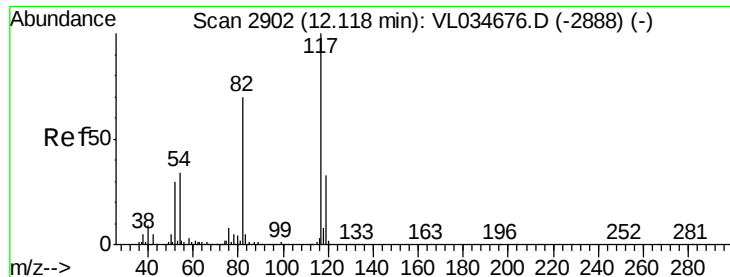
92 72.0 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

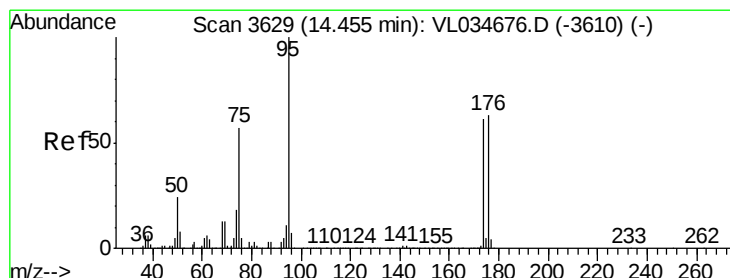
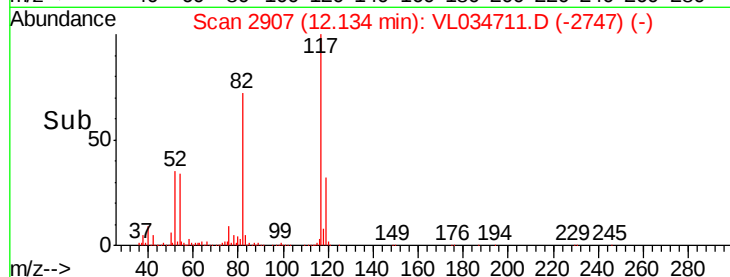
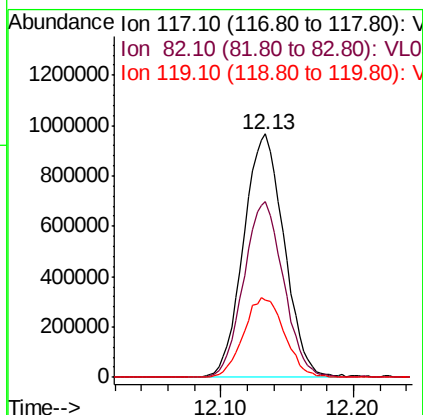
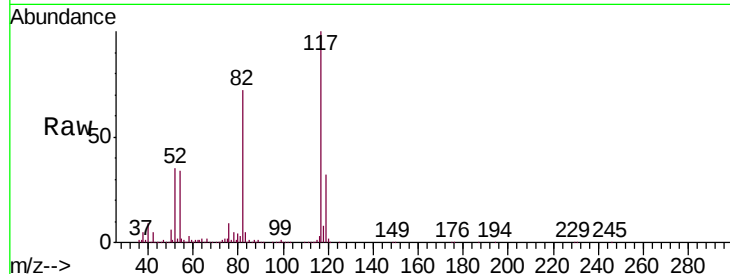




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL034711.D
Acq: 27 Feb 2020 16:34

Instrument :
MSVOA_L
ClientSampleId :
IAS-2-MUSIC-ROOMDL

Tgt Ion:117 Resp: 2053215
Ion Ratio Lower Upper
117 100
82 71.6 54.1 81.1
119 33.1 27.6 41.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.313 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. 0.01 min
Lab File: VL034711.D
Acq: 27 Feb 2020 16:34

Tgt Ion: 95 Resp: 1736210
Ion Ratio Lower Upper
95 100
174 62.4 50.7 76.1
175 4.6 3.9 5.9

