

Data File : VL034717.D
Acq On : 27 Feb 2020 20:33
Operator : SY/AP
Sample : L1662-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IAS-5-TEACHERS-ROOMDL

Quant Time: Feb 28 01:10:22 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	5.66	49	1090548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2165389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2160808	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1842445	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	12095	0.070	ppbv #	80
3) Chlorodifluoromethane	2.93	51	29126	0.247	ppbv #	58
4) Chloromethane	3.11	50	4777	0.073	ppbv #	75
8) Dichlorotetrafluoroethane	3.02	85	12095	0.079	ppbv #	22
9) Propene	3.17	41	29180	0.593	ppbv	98
10) Heptane	8.14	43	3620	0.029	ppbv #	26
11) Trichlorofluoromethane	3.92	101	3803	0.025	ppbv #	59
13) Ethanol	3.58	45	499150	32.118	ppbv	97
15) Acetone	3.84	43	136016	1.095	ppbv	99
19) Isopropyl Alcohol	3.96	45	51530	0.696	ppbv #	84
20) Methylene Chloride	4.33	84	16766	0.363	ppbv #	84
23) Vinyl Acetate	5.06	43	3724	0.022	ppbv #	74
25) Ethyl Acetate	5.68	43	7776	0.035	ppbv #	87
26) Hexane	5.69	57	4857	0.048	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	642088	8.629	ppbv #	23
53) Toluene	9.83	91	35923	0.181	ppbv #	20

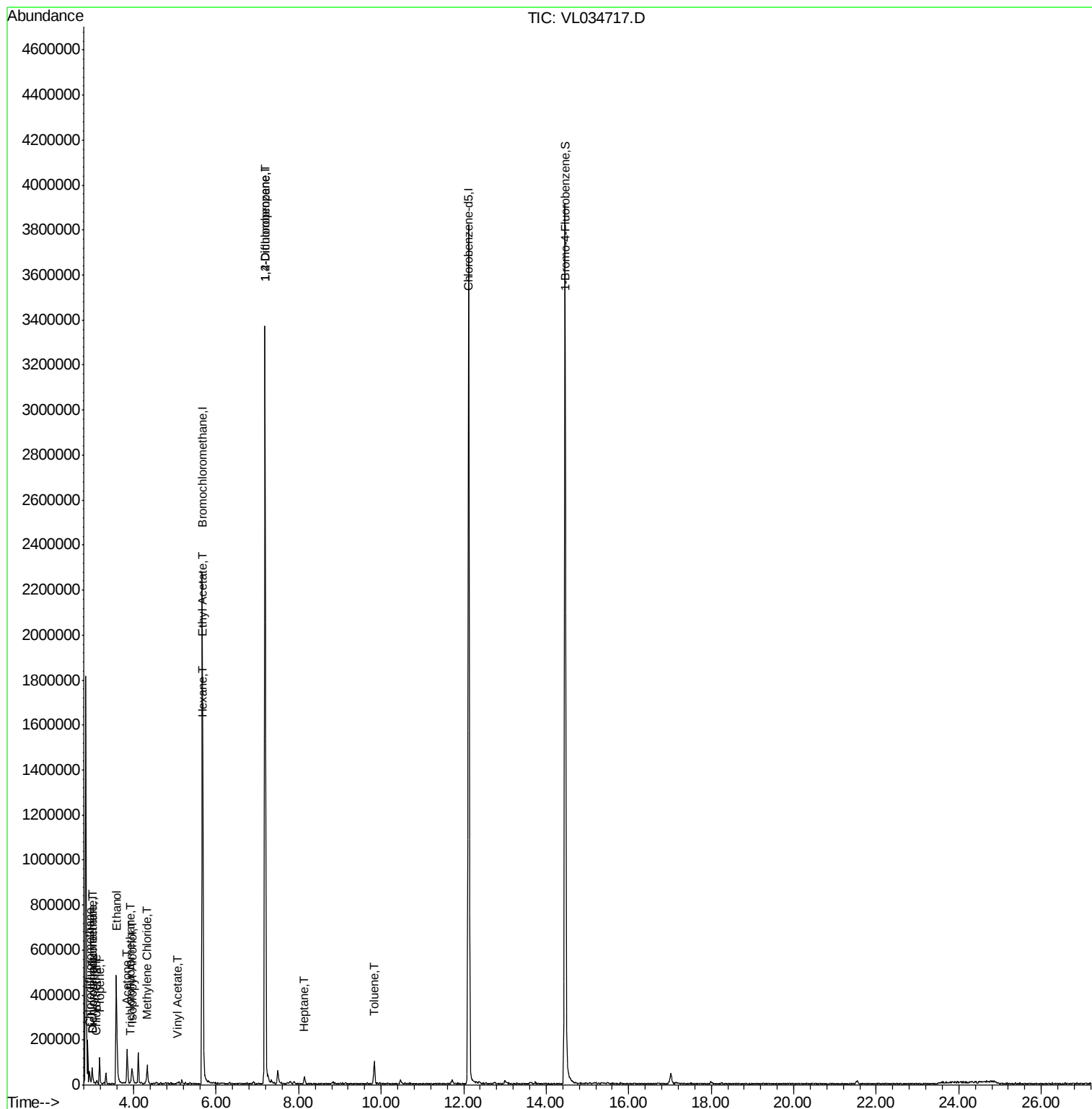
(#) = qualifier out of range (m) = manual integration (+) = signals summed

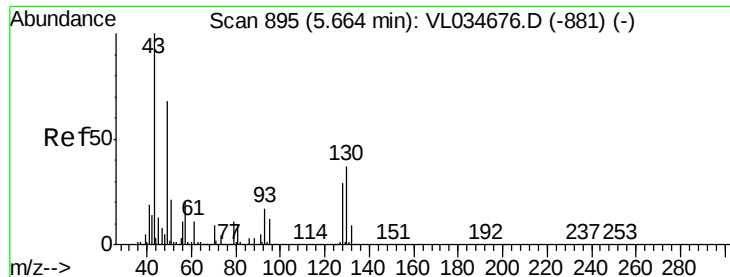
Quantitation Report (Not Reviewed)

ALS Vial : 1 Sample Multiplier: 1

IAS-5-TEACHERS-ROOMDL

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034717.D

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MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOMDL

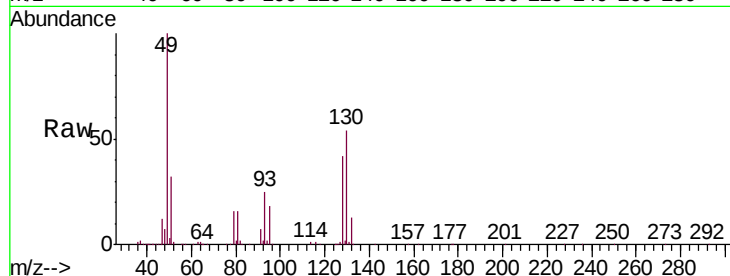
Tgt Ion: 49 Resp: 1090548

Ion Ratio Lower Upper

49 100

128 43.2 21.6 65.0

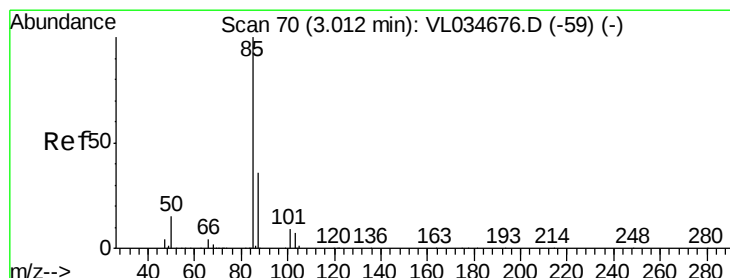
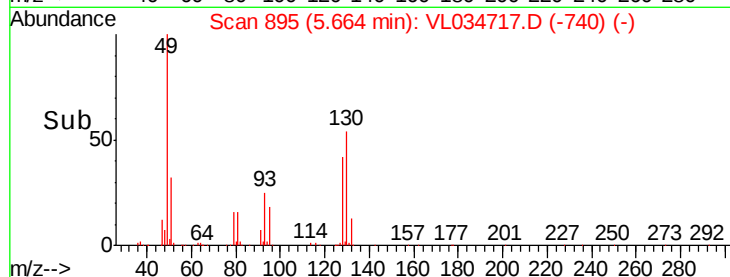
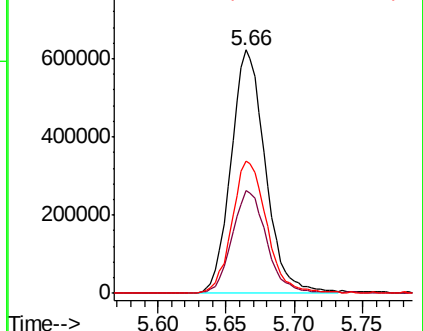
130 55.0 27.7 83.1



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: 0.070 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034717.D

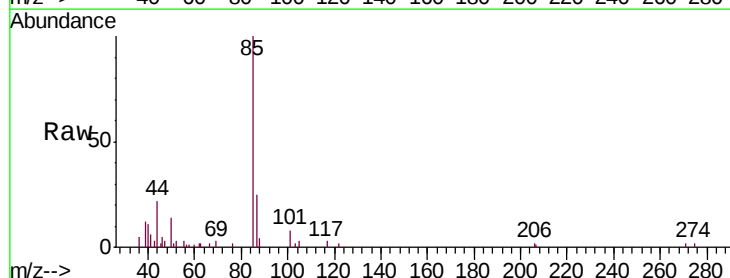
Acq: 27 Feb 2020 20:33

Tgt Ion: 85 Resp: 12095

Ion Ratio Lower Upper

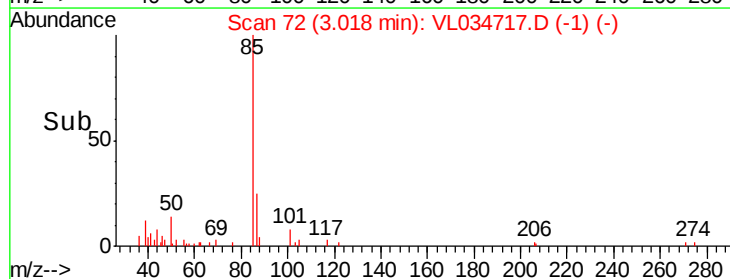
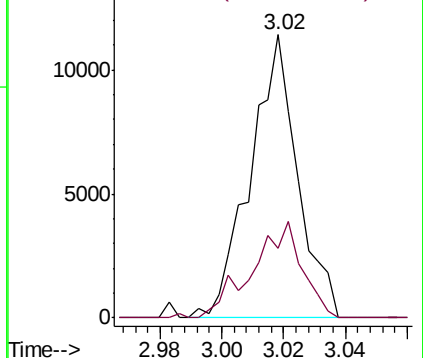
85 100

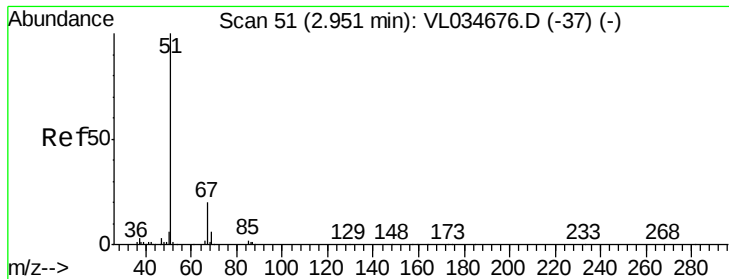
87 24.7 29.2 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.247 ppbv

RT: 2.93 min Scan# 44

Delta R.T. -0.02 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

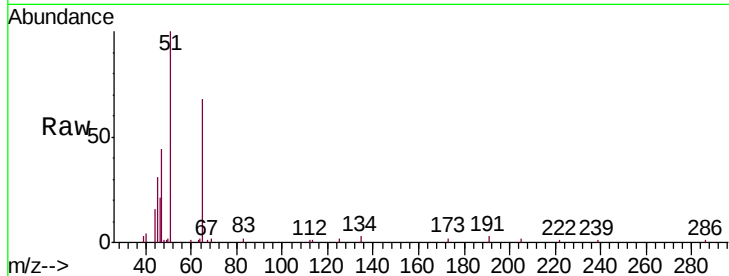
IAS-5-TEACHERS-ROOMDL

Tgt Ion: 51 Resp: 29126

Ion Ratio Lower Upper

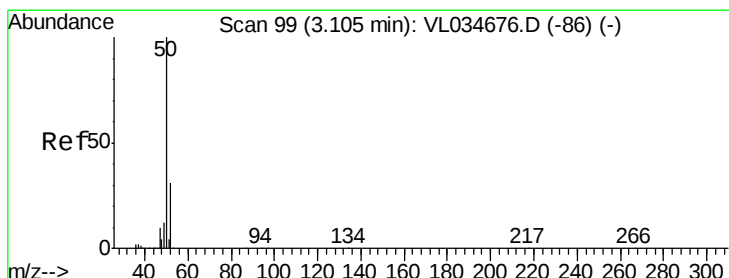
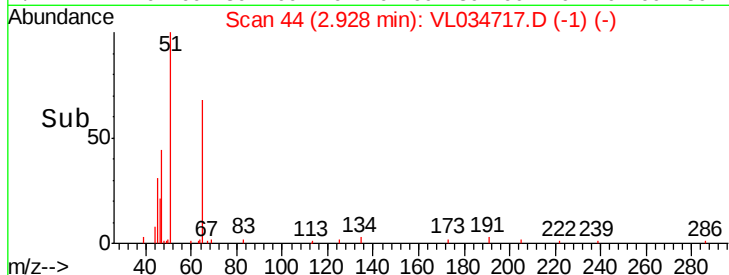
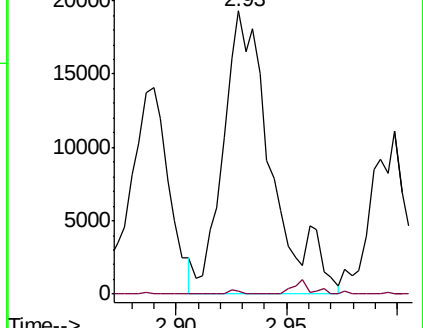
51 100

67 0.4 15.5 23.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.073 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034717.D

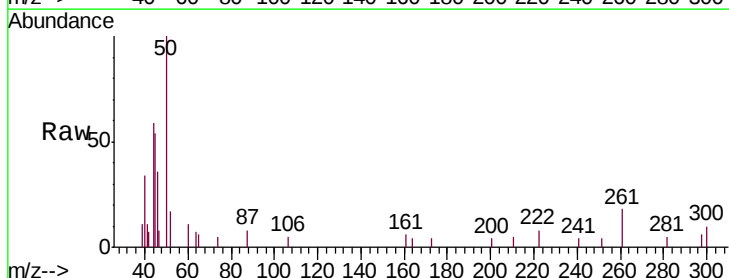
Acq: 27 Feb 2020 20:33

Tgt Ion: 50 Resp: 4777

Ion Ratio Lower Upper

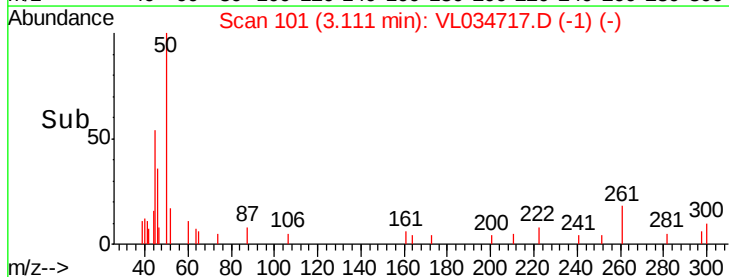
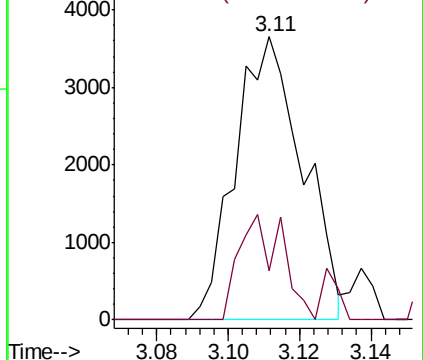
50 100

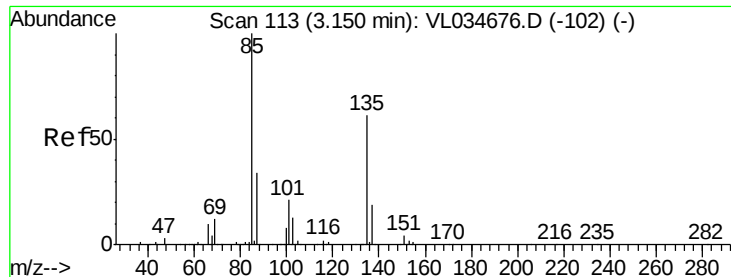
52 17.3 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.079 ppbv

RT: 3.02 min Scan# 72

Delta R.T. -0.13 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

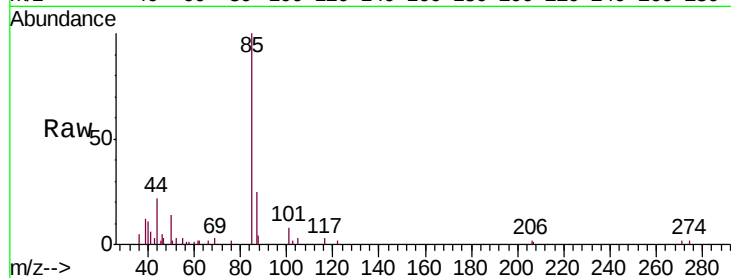
IAS-5-TEACHERS-ROOMDL

Tgt Ion: 85 Resp: 12095

Ion Ratio Lower Upper

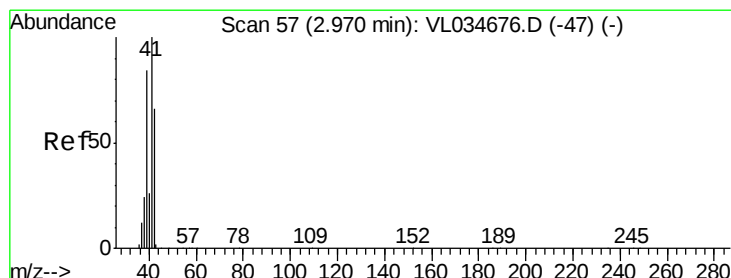
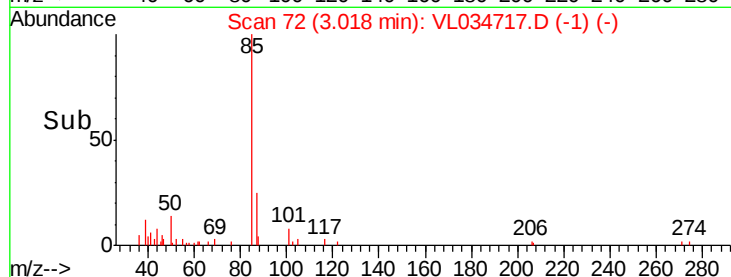
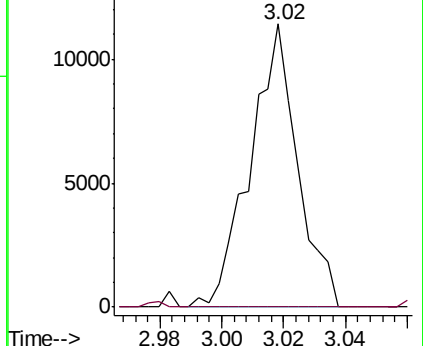
85 100

135 2.0 49.8 74.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 0.593 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.20 min

Lab File: VL034717.D

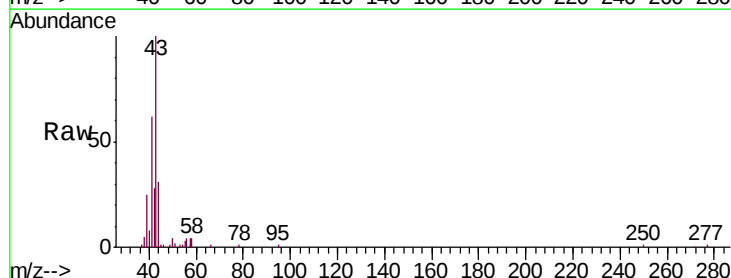
Acq: 27 Feb 2020 20:33

Tgt Ion: 41 Resp: 29180

Ion Ratio Lower Upper

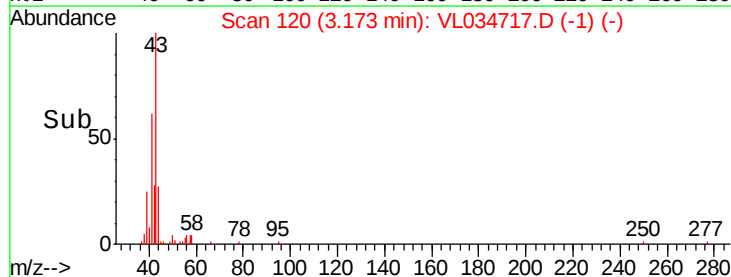
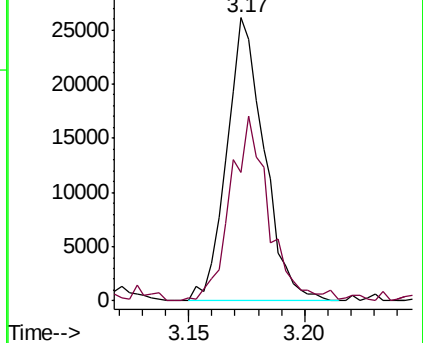
41 100

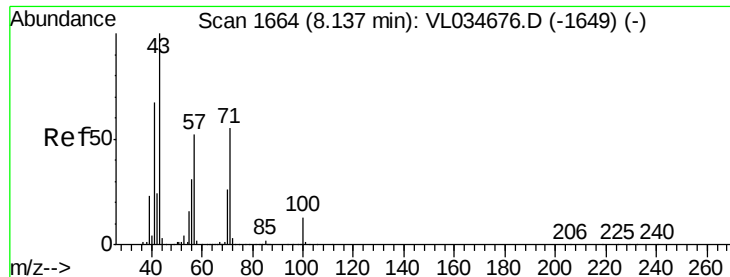
42 66.9 54.9 82.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.029 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

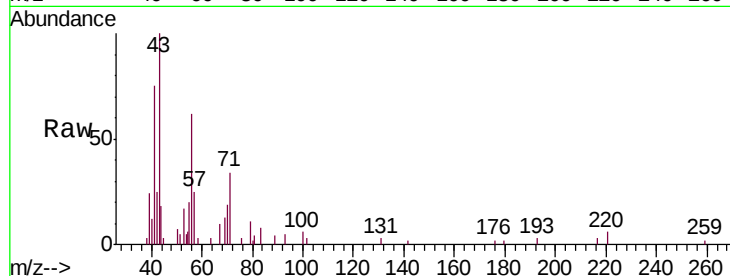
IAS-5-TEACHERS-ROOMDL

Tgt Ion: 43 Resp: 3620

Ion Ratio Lower Upper

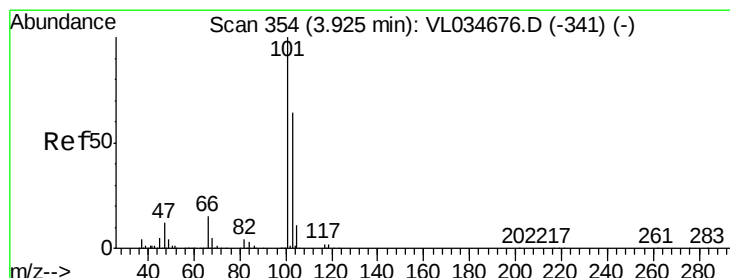
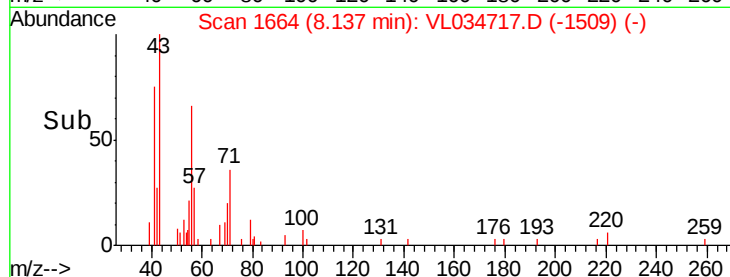
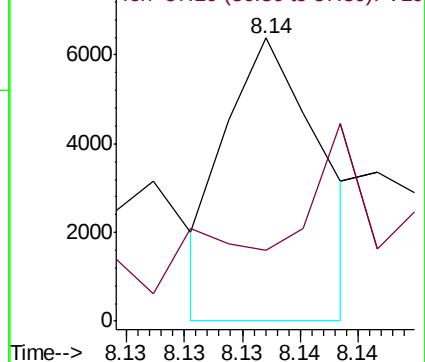
43 100

57 0.0 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.025 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.00 min

Lab File: VL034717.D

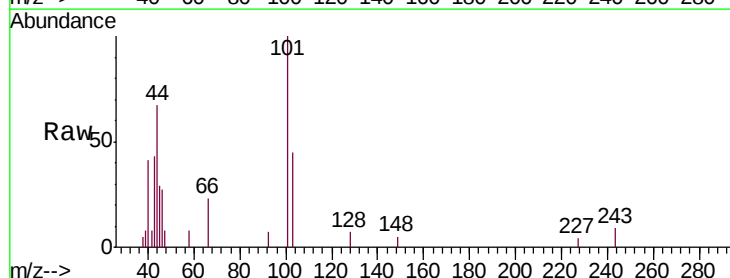
Acq: 27 Feb 2020 20:33

Tgt Ion: 101 Resp: 3803

Ion Ratio Lower Upper

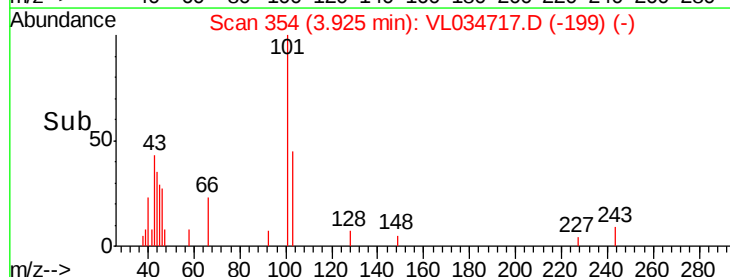
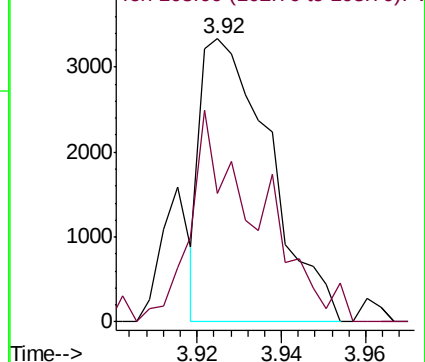
101 100

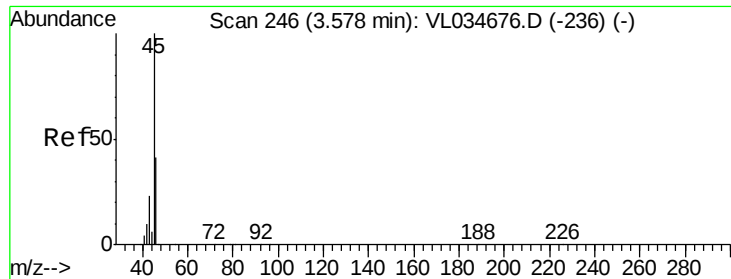
103 31.8 51.2 76.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 32.118 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.00 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

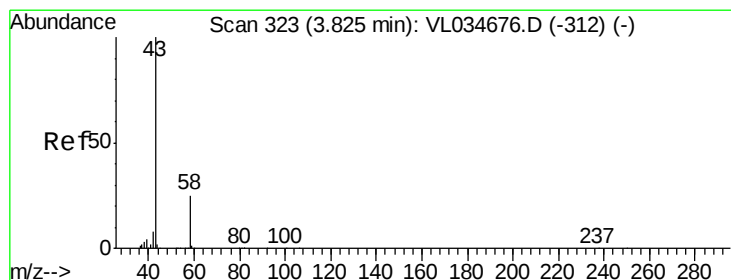
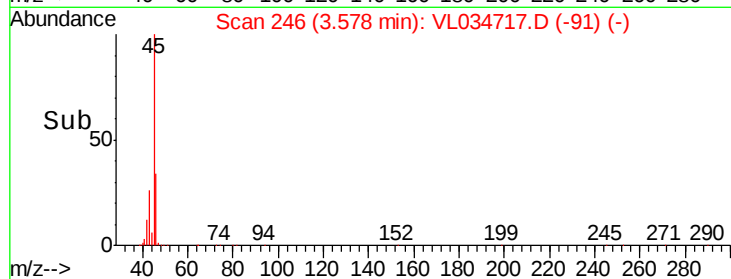
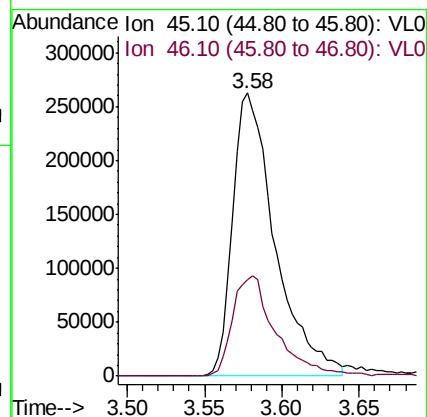
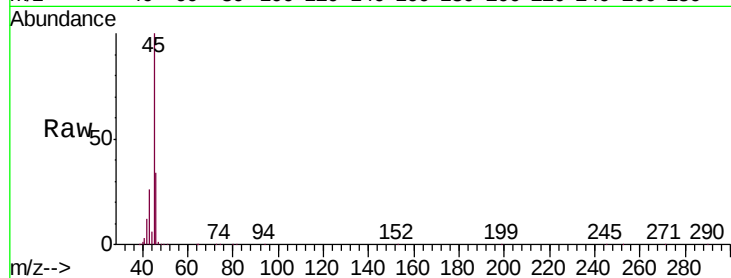
IAS-5-TEACHERS-ROOMDL

Tgt Ion: 45 Resp: 499150

Ion Ratio Lower Upper

45 100

46 36.7 15.4 61.4



#15

Acetone

Concen: 1.095 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL034717.D

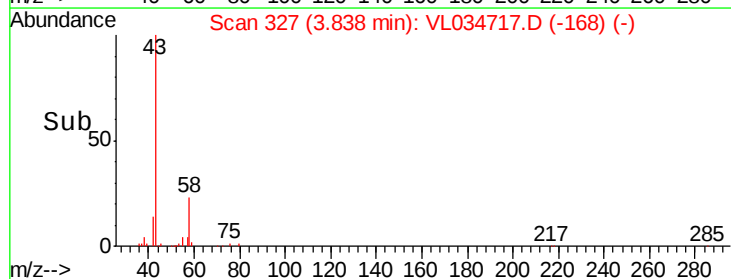
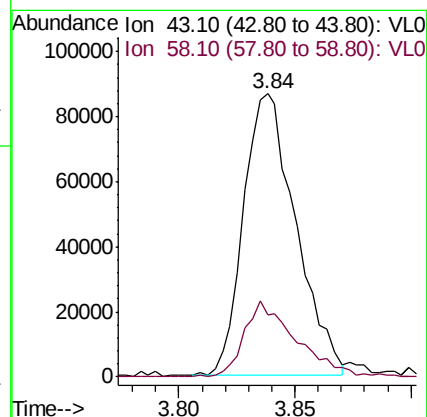
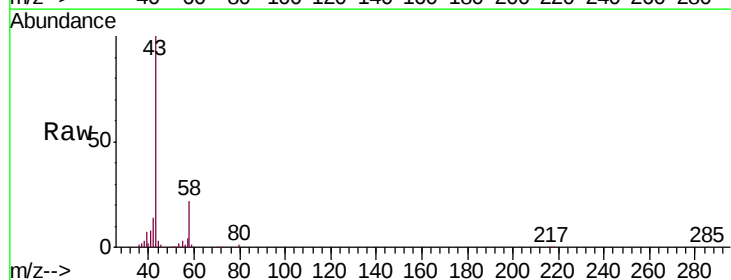
Acq: 27 Feb 2020 20:33

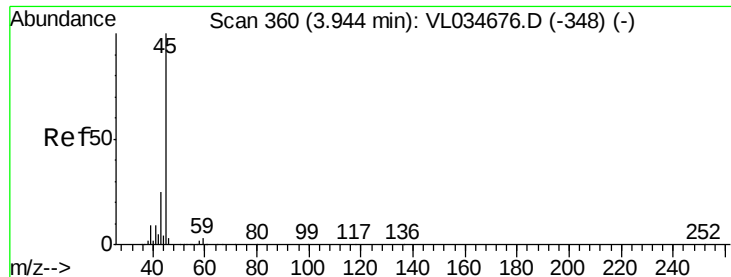
Tgt Ion: 43 Resp: 136016

Ion Ratio Lower Upper

43 100

58 27.0 21.4 32.0





#19

Isopropyl Alcohol

Concen: 0.696 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

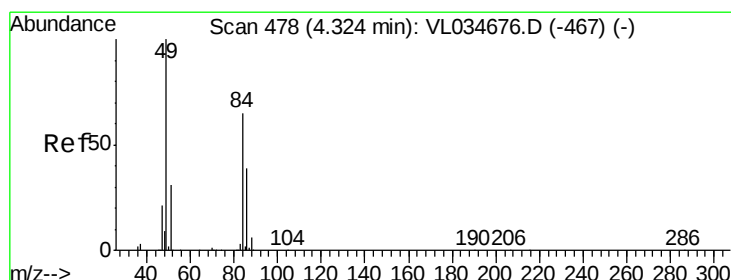
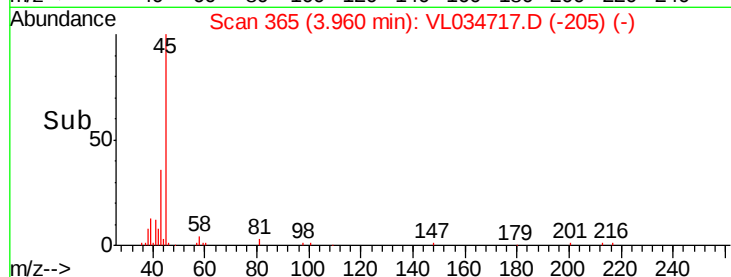
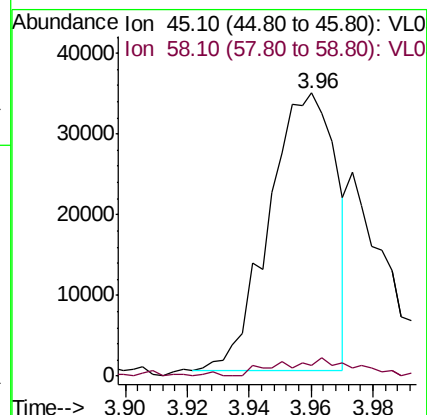
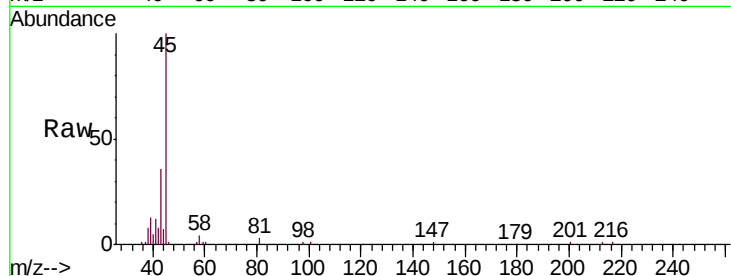
IAS-5-TEACHERS-ROOMDL

Tgt Ion: 45 Resp: 51530

Ion Ratio Lower Upper

45 100

58 7.6 1.8 2.6#



#20

Methylene Chloride

Concen: 0.363 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Tgt Ion: 84 Resp: 16766

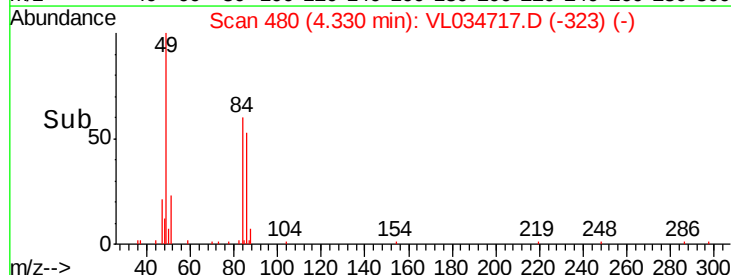
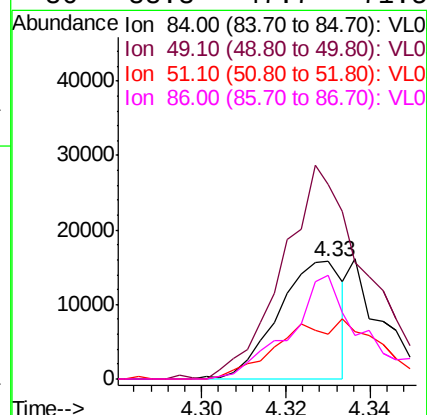
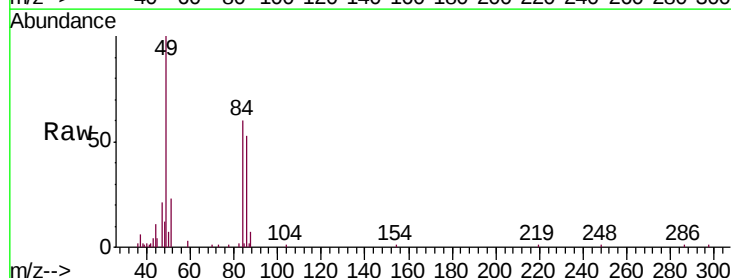
Ion Ratio Lower Upper

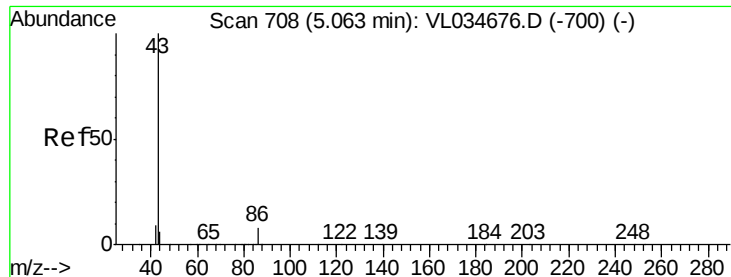
84 100

49 164.8 122.8 184.2

51 38.8 38.6 58.0

86 88.3 47.7 71.5#





#23

Vinyl Acetate

Concen: 0.022 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOMDL

Tgt Ion: 43 Resp: 3724

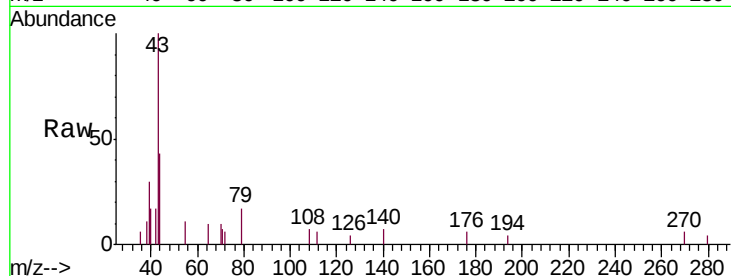
Ion Ratio Lower Upper

43 100

86 0.0 6.0 9.0#

42 0.0 8.0 12.0#

44 15.3 4.5 6.7#

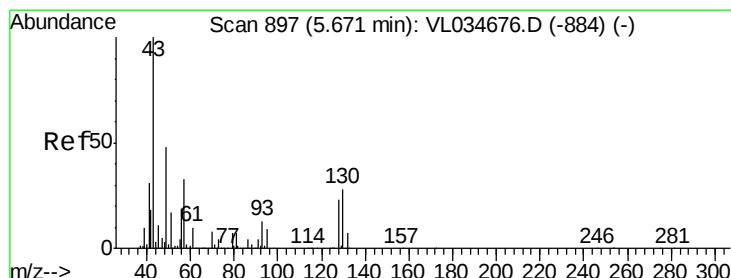
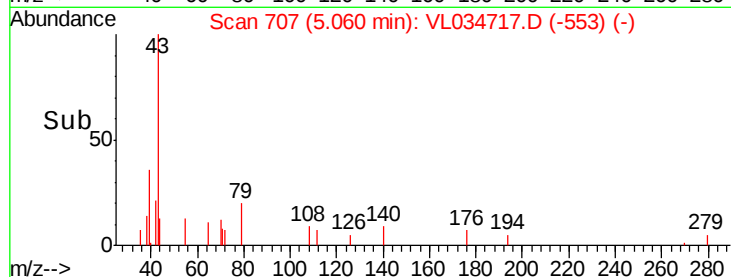
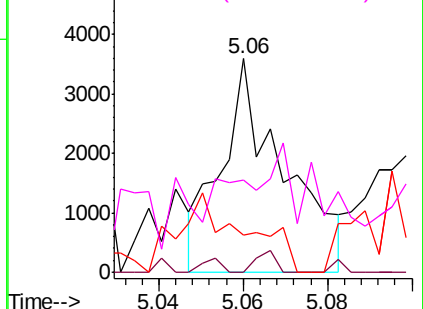


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.035 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Tgt Ion: 43 Resp: 7776

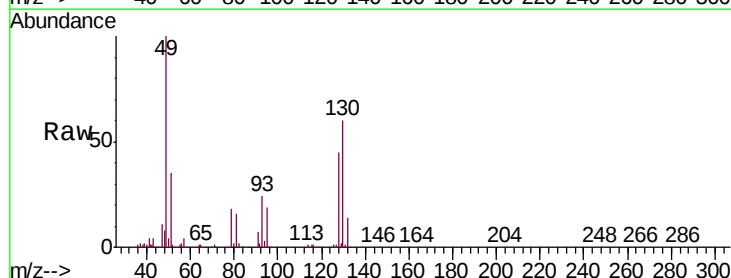
Ion Ratio Lower Upper

43 100

45 10.8 8.2 12.4

61 0.0 7.8 11.6#

70 3.2 6.1 9.1#

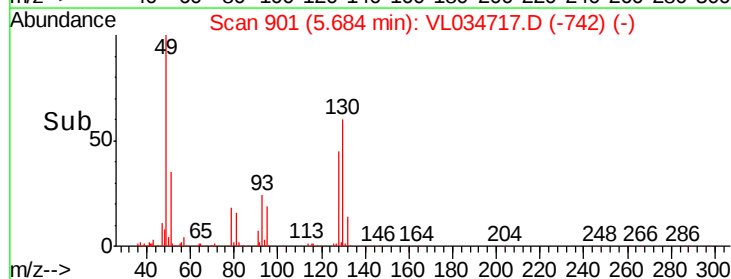
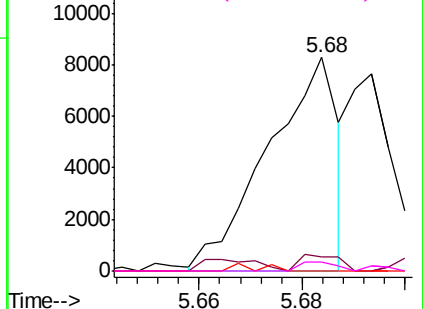


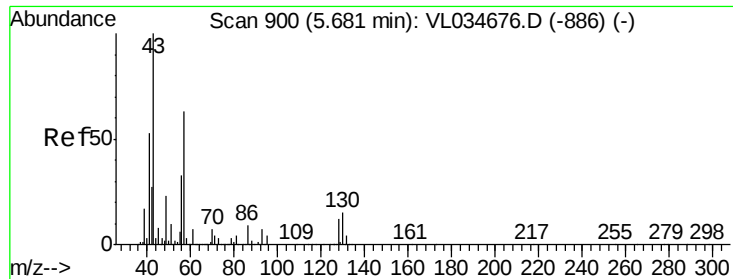
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

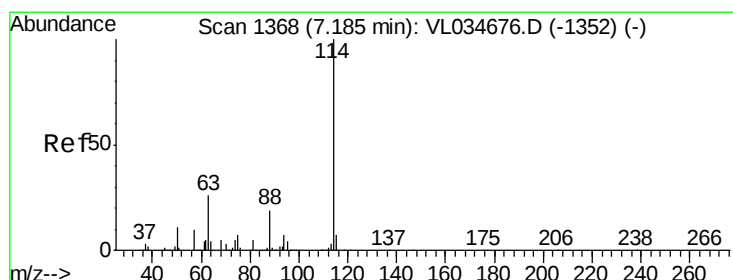
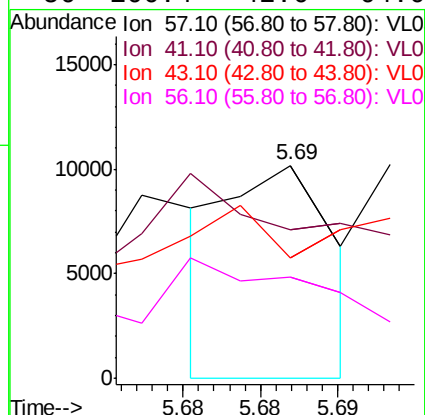
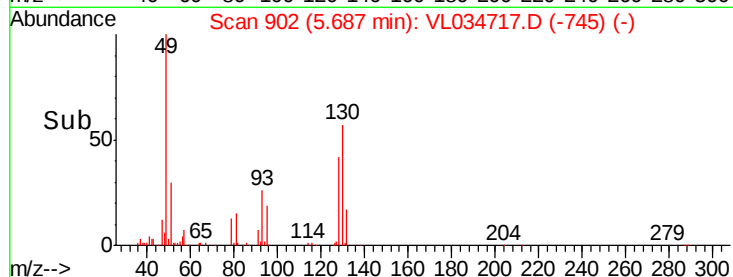
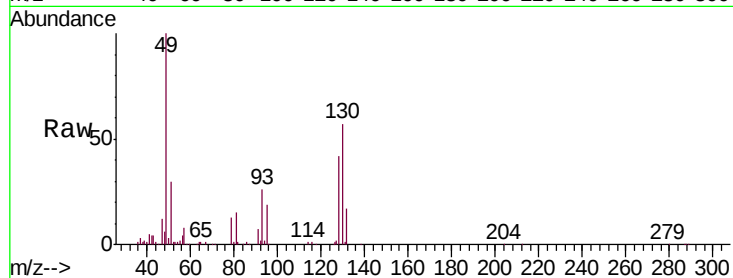




#26
Hexane
Concen: 0.048 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034717.D
Acq: 27 Feb 2020 20:33

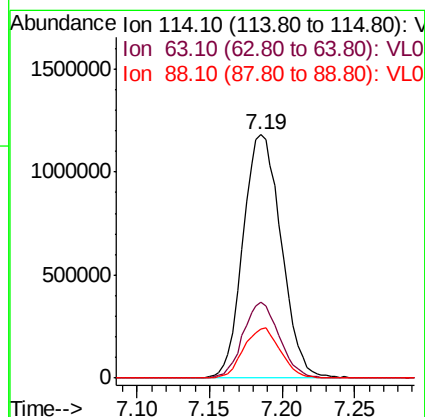
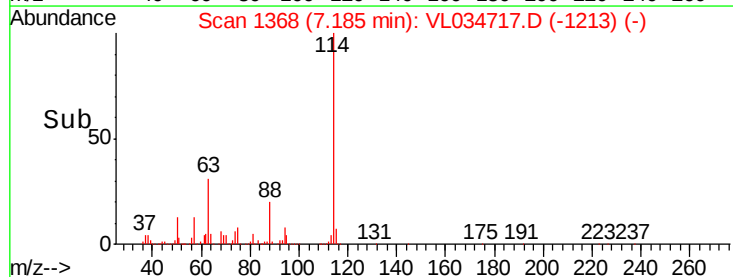
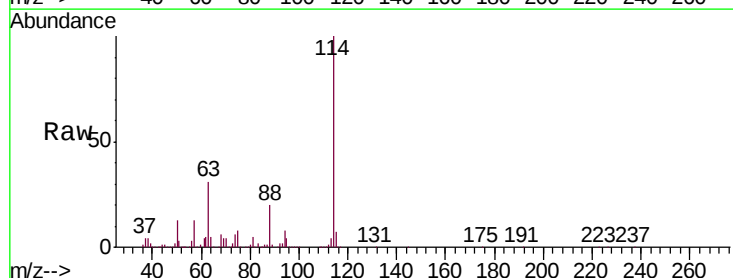
Instrument :
MSVOA_L
ClientSampleId :
IAS-5-TEACHERS-ROOMDL

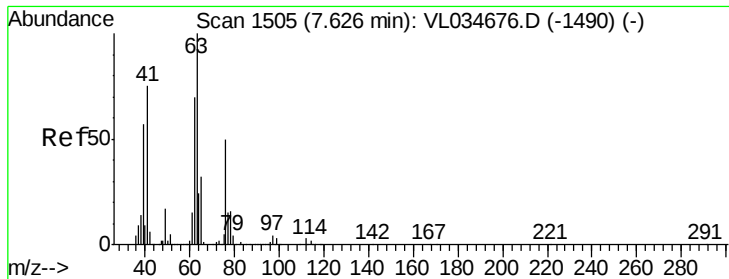
Tgt Ion: 57 Resp: 4857
Ion Ratio Lower Upper
57 100
41 331.2 70.3 105.5#
43 279.1 177.0 265.4#
56 166.4 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VL034717.D
Acq: 27 Feb 2020 20:33

Tgt Ion: 114 Resp: 2165389
Ion Ratio Lower Upper
114 100
63 29.8 22.9 34.3
88 19.9 15.8 23.6





#39

1,2-Dichloropropane

Concen: 8.629 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL034717.D

Acq: 27 Feb 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOMDL

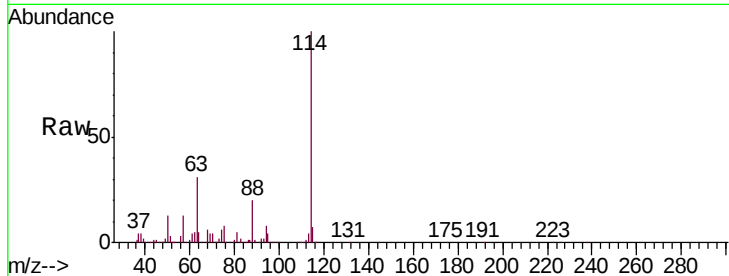
Tgt Ion: 63 Resp: 642088

Ion Ratio Lower Upper

63 100

41 0.1 60.2 90.4#

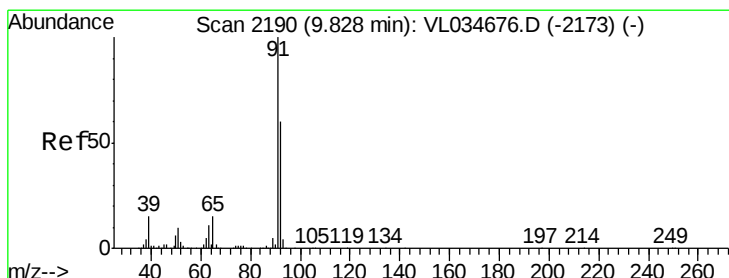
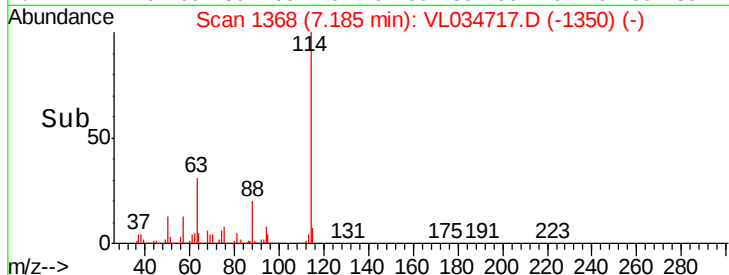
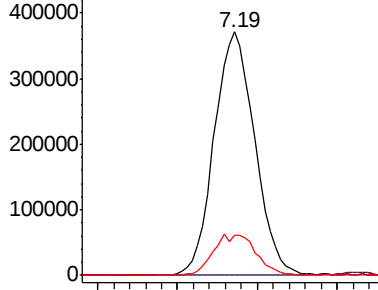
62 16.6 56.3 84.5#



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: 0.181 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034717.D

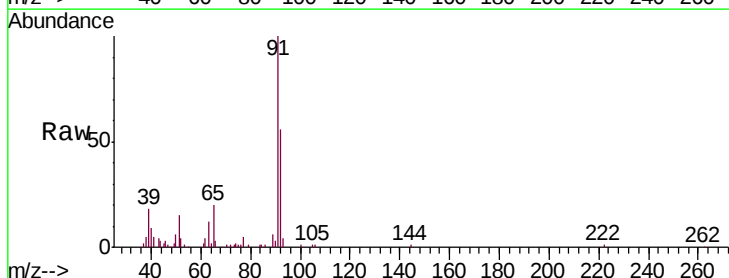
Acq: 27 Feb 2020 20:33

Tgt Ion: 91 Resp: 35923

Ion Ratio Lower Upper

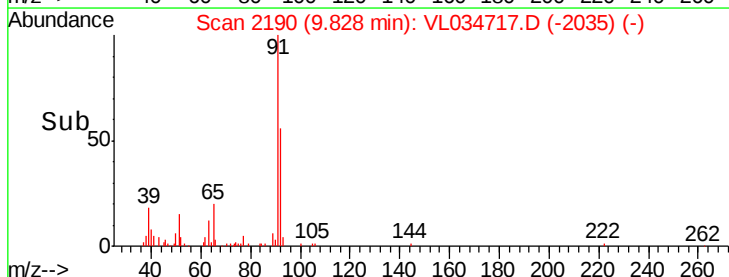
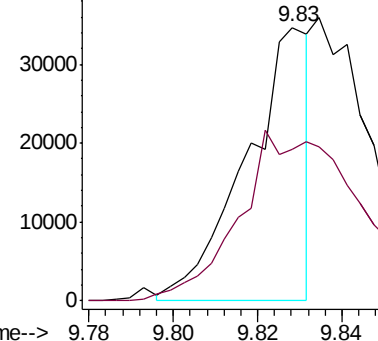
91 100

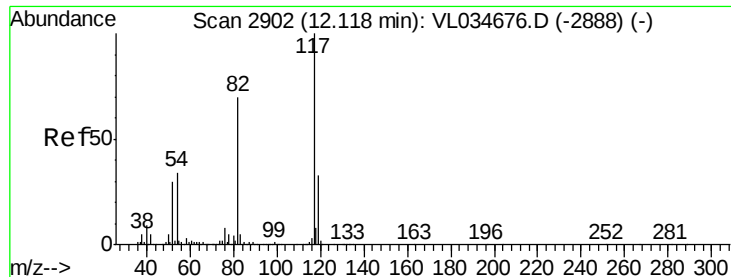
92 121.4 48.5 72.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

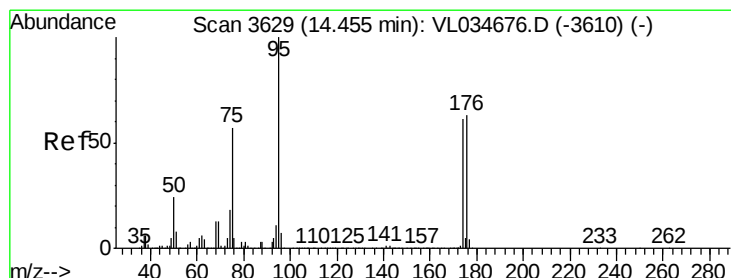
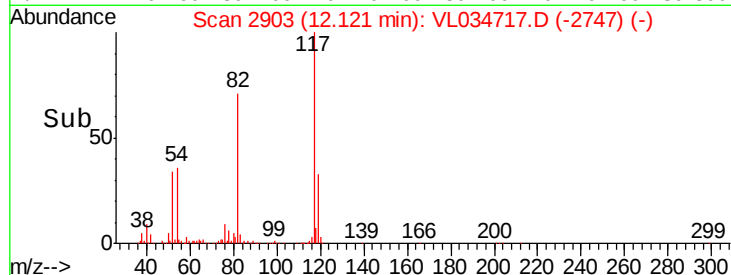
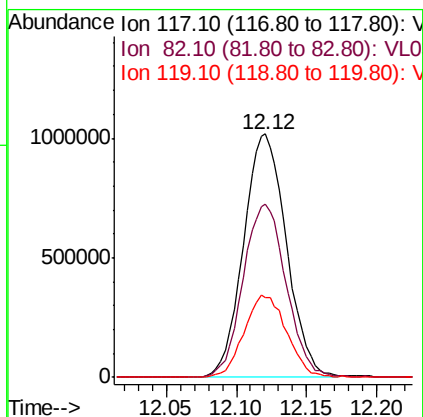
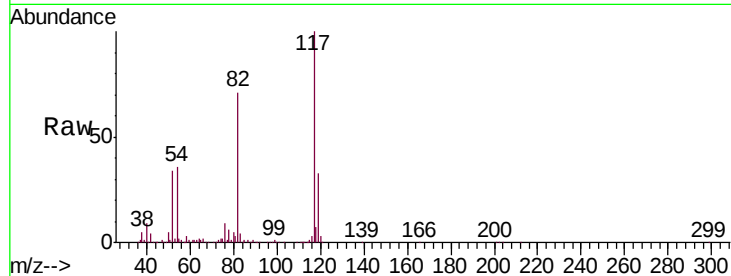




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034717.D
Acq: 27 Feb 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
IAS-5-TEACHERS-ROOMDL

Tgt Ion: 117 Resp: 2160808
Ion Ratio Lower Upper
117 100
82 72.3 54.1 81.1
119 33.7 27.6 41.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.399 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. -0.00 min
Lab File: VL034717.D
Acq: 27 Feb 2020 20:33

Tgt Ion: 95 Resp: 1842445
Ion Ratio Lower Upper
95 100
174 62.7 50.7 76.1
175 4.4 3.9 5.9

