

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034716.D
 Acq On : 27 Feb 2020 19:54
 Operator : SY/AP
 Sample : L1662-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Feb 28 15:02:37 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	5.67	49	1040028	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2122173	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2102604	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1795497	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	42376	0.258	ppbv	95
3) Chlorodifluoromethane	2.95	51	31813m	0.283	ppbv	
4) Chloromethane	3.11	50	37072	0.590	ppbv	91
9) Propene	2.99	41	64314m	1.371	ppbv	
10) Heptane	8.14	43	159039	1.317	ppbv	100
11) Trichlorofluoromethane	3.93	101	38218	0.266	ppbv	93
13) Ethanol	3.59	45	4549286	306.941	ppbv	100
15) Acetone	3.83	43	1329826	11.221	ppbv	94
19) Isopropyl Alcohol	3.97	45	784584	11.115	ppbv #	96
20) Methylene Chloride	4.33	84	180655	4.099	ppbv	96
26) Hexane	5.69	57	164526	1.702	ppbv #	44
29) Chloroform	5.75	83	21375m	0.139	ppbv	
34) 2-Butanone	5.24	43	36282m	0.272	ppbv	
35) Carbon Tetrachloride	7.04	117	10557m	0.074	ppbv	
36) Benzene	6.90	78	55833	0.305	ppbv #	93
44) 2,2,4-Trimethylpentane	7.88	57	33290m	0.104	ppbv	
53) Toluene	9.83	91	1365528	7.005	ppbv	99
58) Ethyl Benzene	12.75	91	48334m	0.190	ppbv	
59) m/p-Xylene	13.00	91	201019m	0.906	ppbv	
60) o-Xylene	13.73	91	46833m	0.213	ppbv	

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

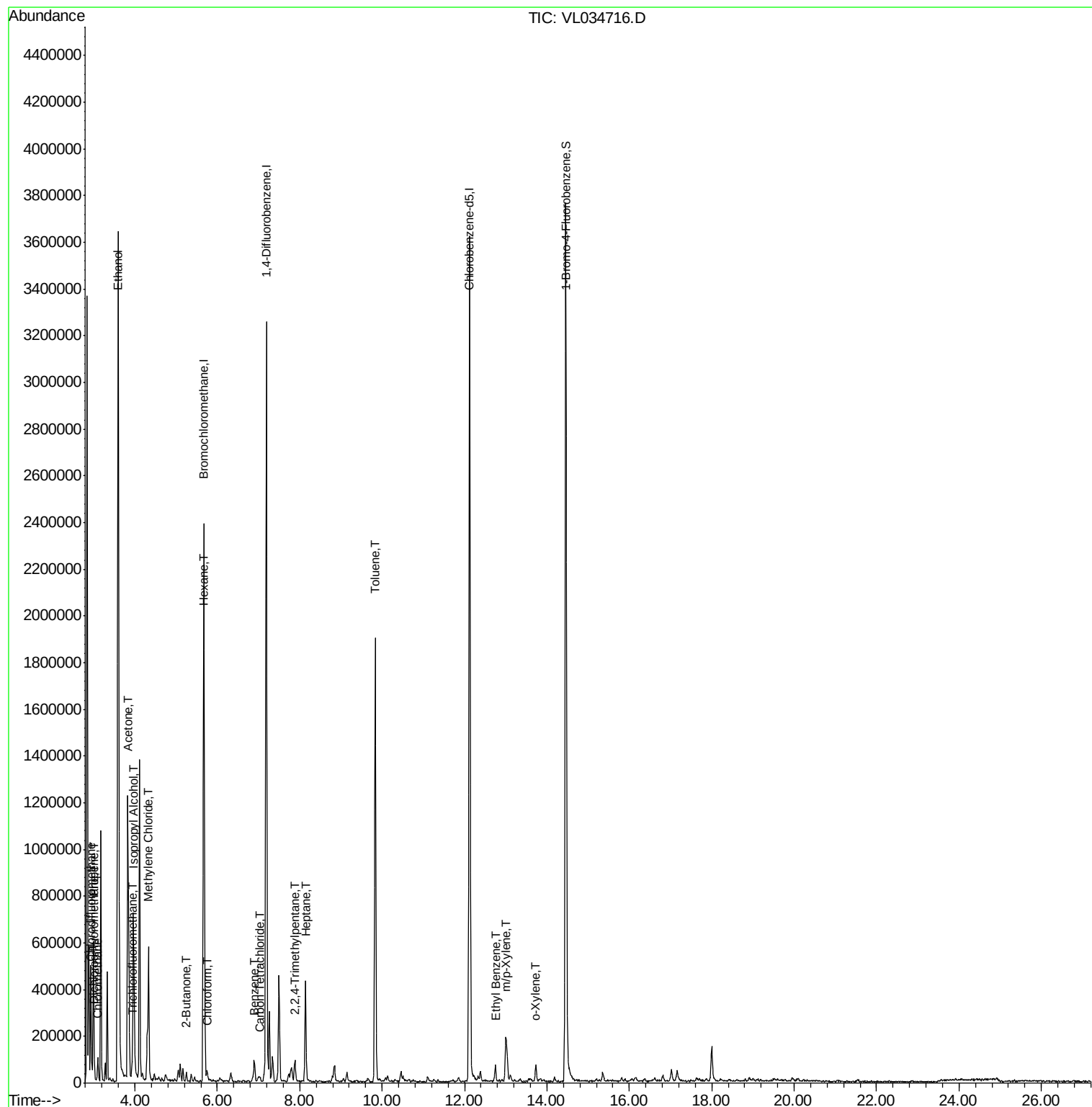
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022720\
Data File : VL034716.D
Acq On : 27 Feb 2020 19:54
Operator : SY/AP
Sample : L1662-05
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

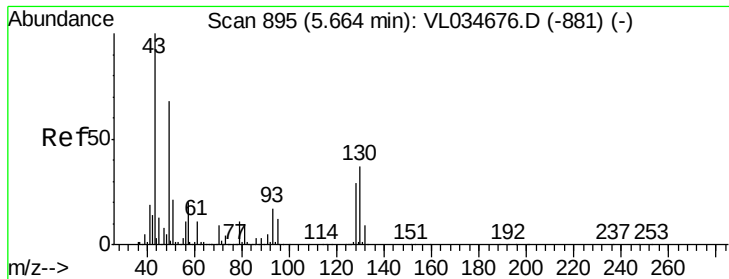
Instrument :
MSVOA_L
ClientSampleId :
IAS-5-TEACHERS-ROOM

Quant Time: Feb 28 15:02:37 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

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#1

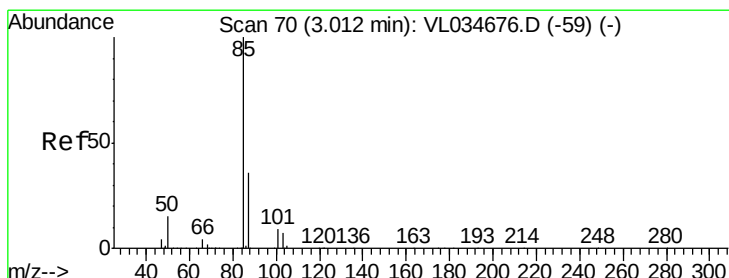
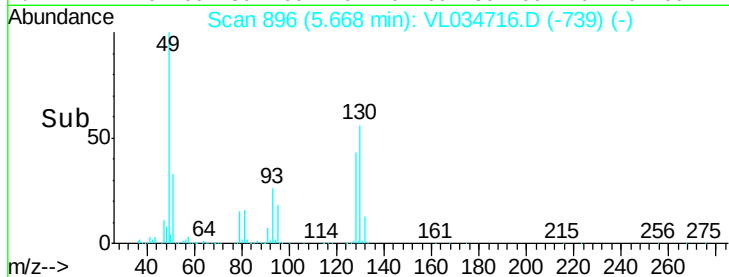
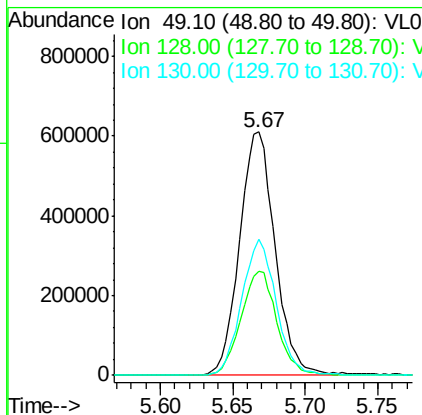
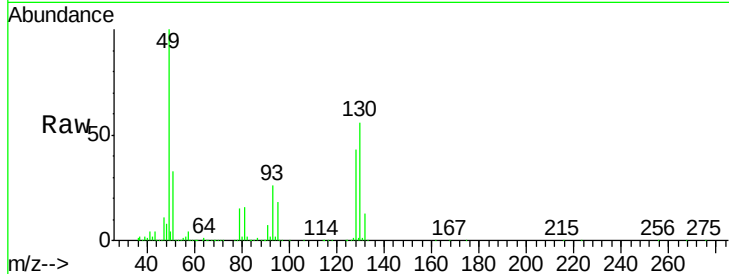
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL034716.D
 Acq: 27 Feb 2020 19:54

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

Tot Ion: 49 Resp: 1040028
 Ion Ratio Lower Upper
 49 100
 128 43.5 21.6 65.0
 130 54.7 27.7 83.1

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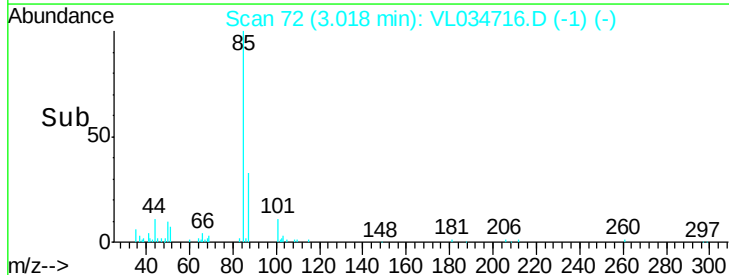
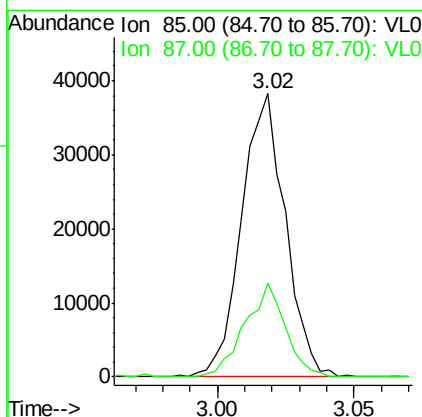
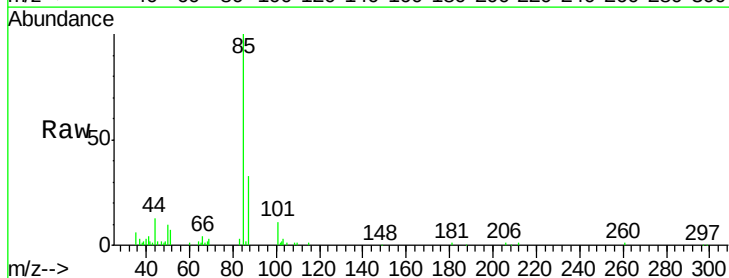
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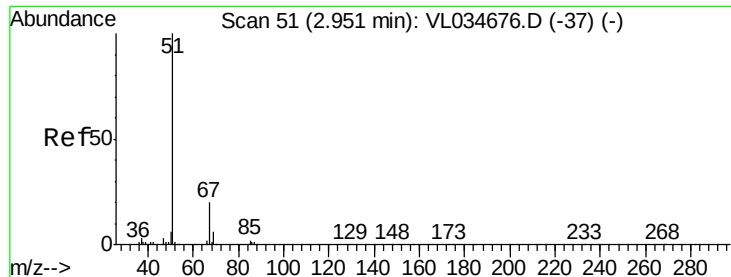


#2

Dichlorodifluoromethane
 Concen: 0.258 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL034716.D
 Acq: 27 Feb 2020 19:54

Tgt Ion: 85 Resp: 42376
 Ion Ratio Lower Upper
 85 100
 87 33.4 29.2 43.8





#3

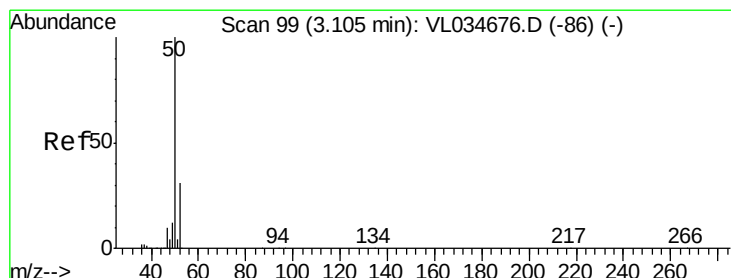
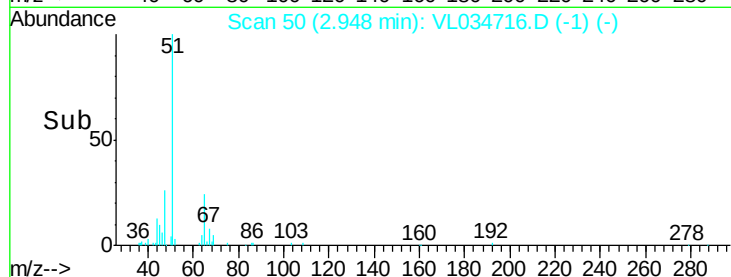
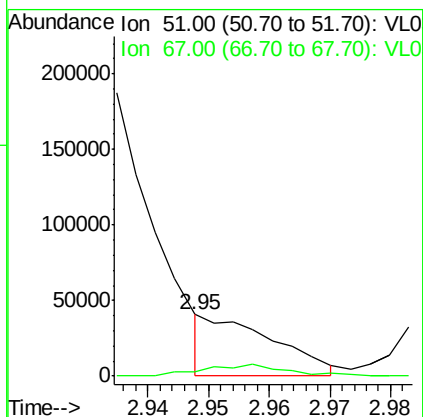
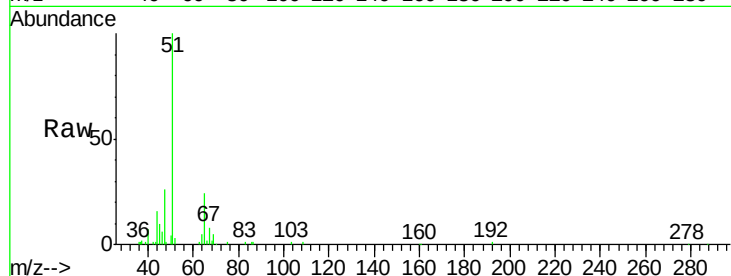
Chlorodifluoromethane
Concen: 0.283 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.00 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

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

Tot Ion	Ratio	Lower	Upper
51	100		
67	24.9	15.5	23.3#

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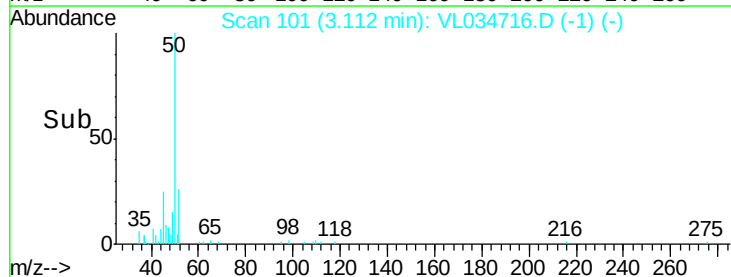
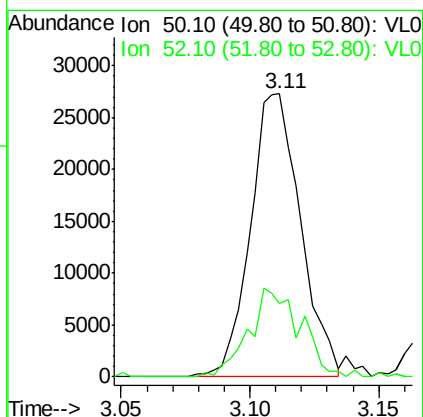
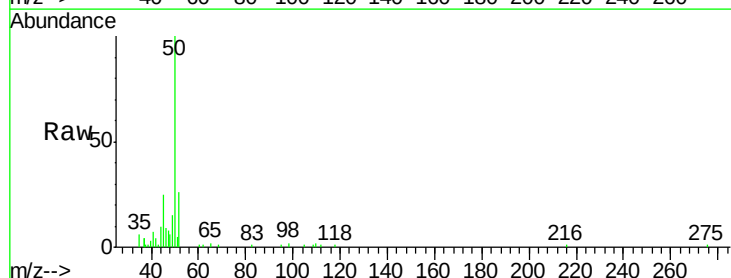
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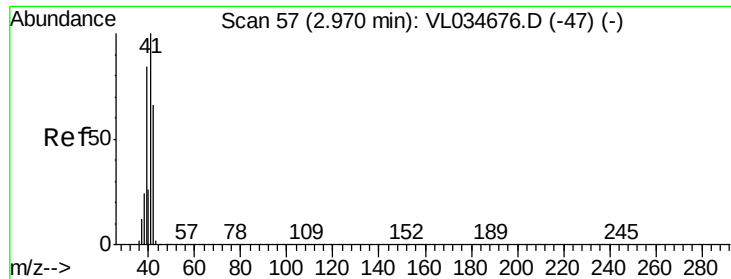


#4

Chloromethane
Concen: 0.590 ppbv
RT: 3.11 min Scan# 101
Delta R.T. 0.01 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

Tgt Ion	Ratio	Lower	Upper
50	100		
52	26.1	25.0	37.4





#9

Propene

Concen: 1.371 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOM

Tot Ion: 41 Resp: 64314

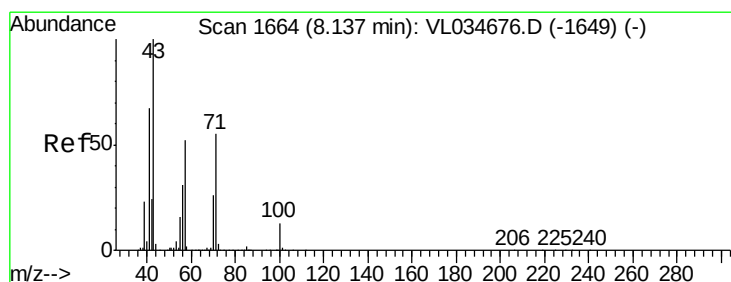
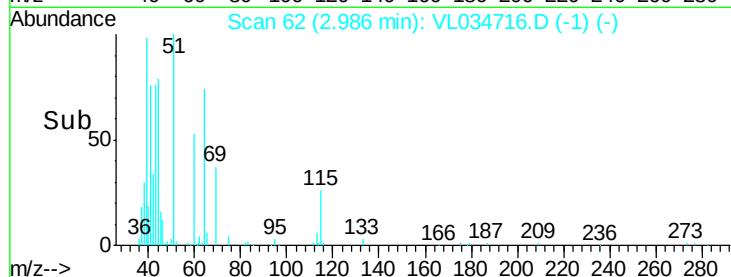
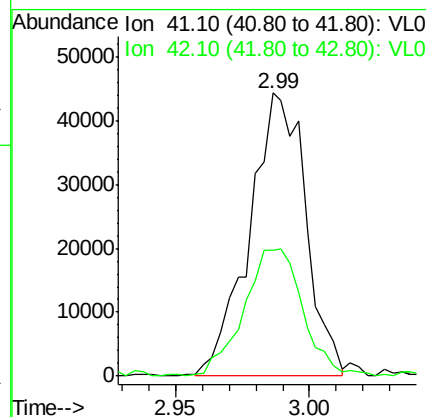
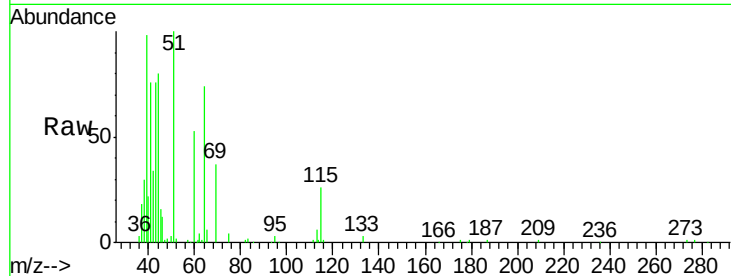
Ion Ratio Lower Upper

41 100

42 282.8 54.9 82.3#

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#10

Heptane

Concen: 1.317 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034716.D

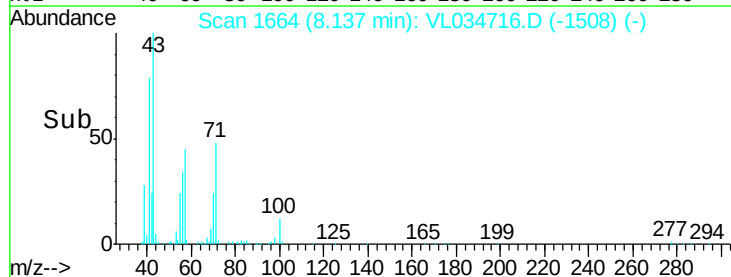
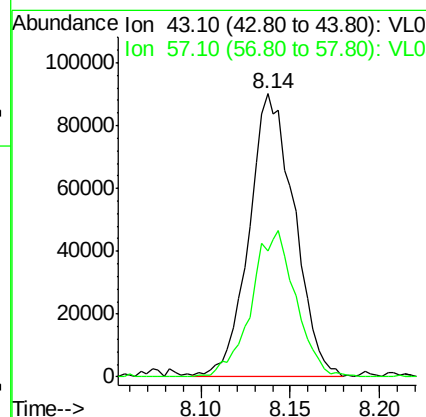
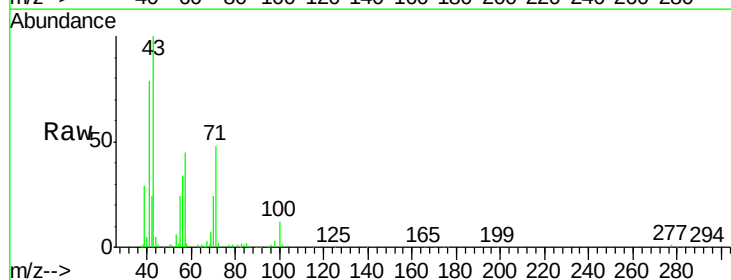
Acq: 27 Feb 2020 19:54

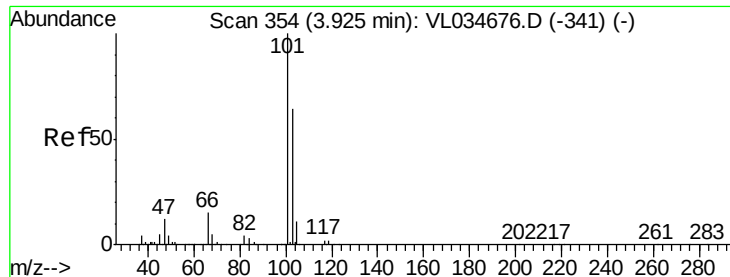
Tgt Ion: 43 Resp: 159039

Ion Ratio Lower Upper

43 100

57 51.0 41.0 61.6





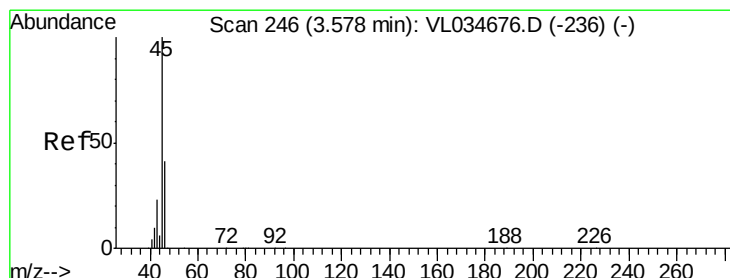
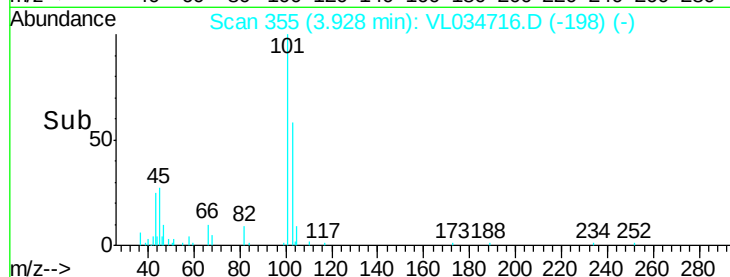
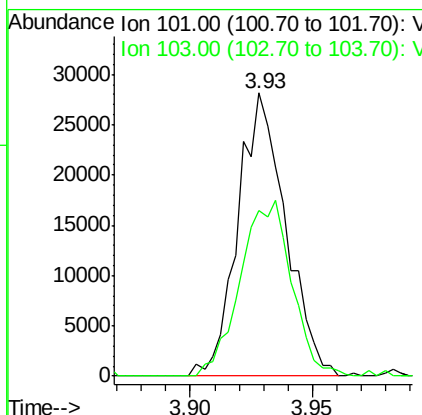
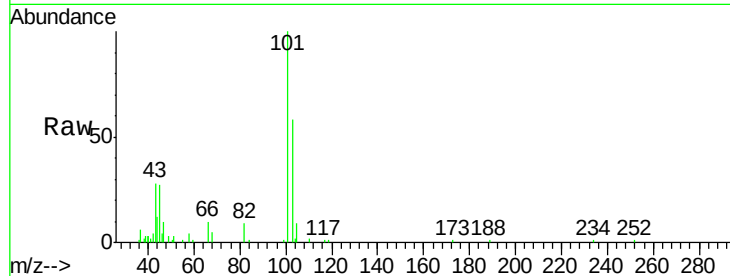
#11
 Trichlorofluoromethane
 Concen: 0.266 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL034716.D
 Acq: 27 Feb 2020 19:54

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

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	58.4	51.2	76.8	

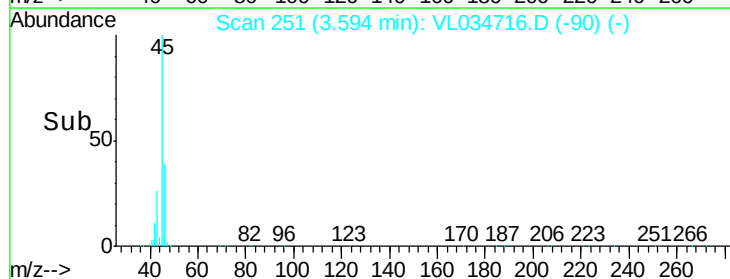
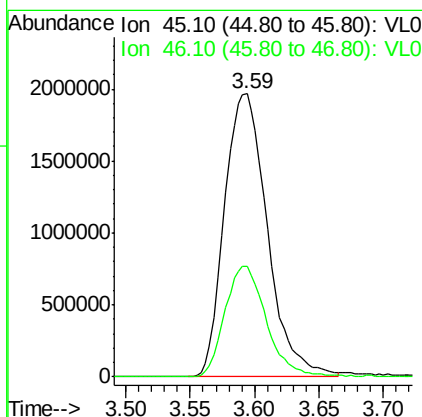
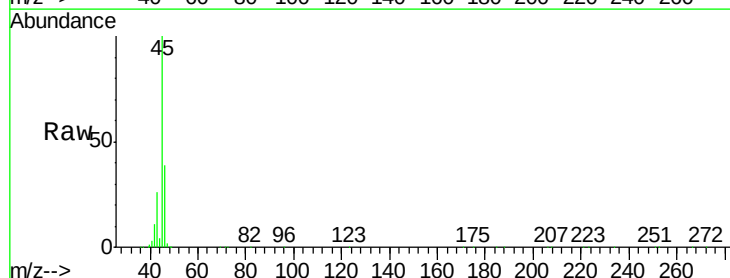
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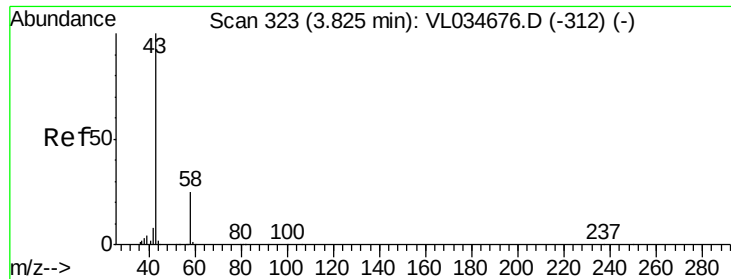
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#13
 Ethanol
 Concen: 306.941 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. 0.02 min
 Lab File: VL034716.D
 Acq: 27 Feb 2020 19:54

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
46	38.4	15.4	61.4	





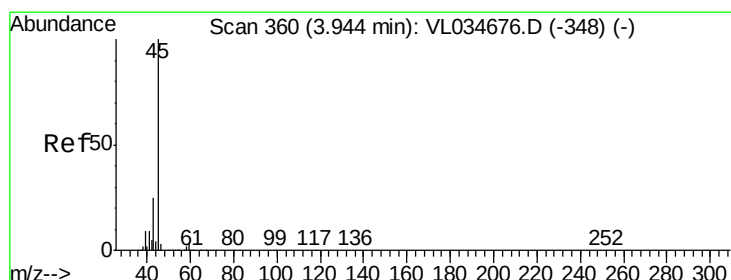
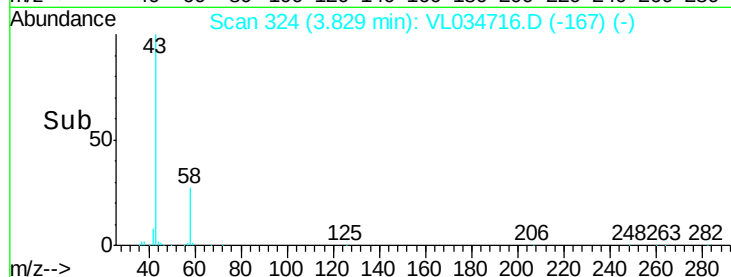
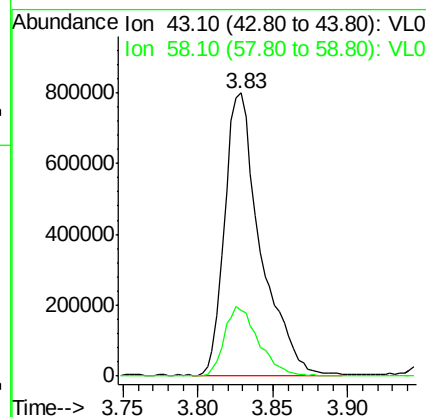
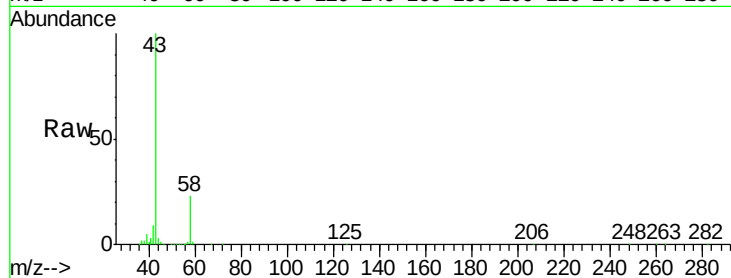
#15
Acetone
Concen: 11.221 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.00 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

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

Tot Ion: 43 Resp: 1329826
Ion Ratio Lower Upper
43 100
58 23.8 21.4 32.0

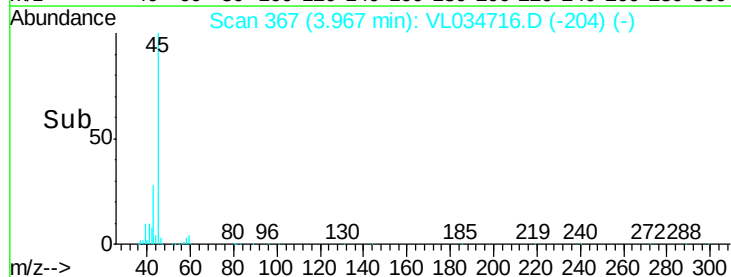
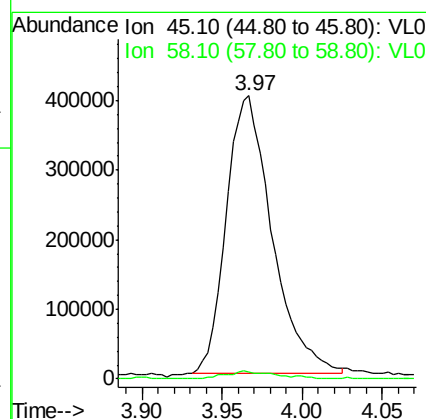
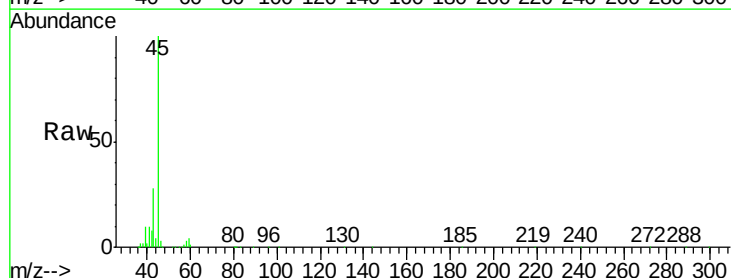
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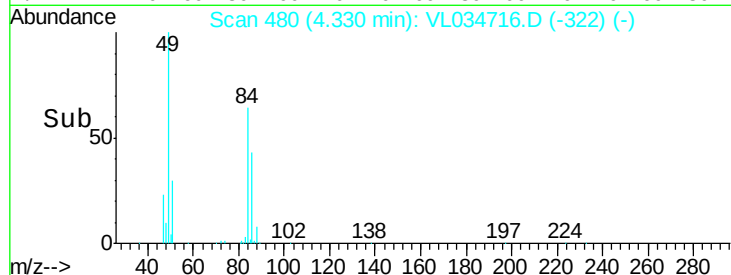
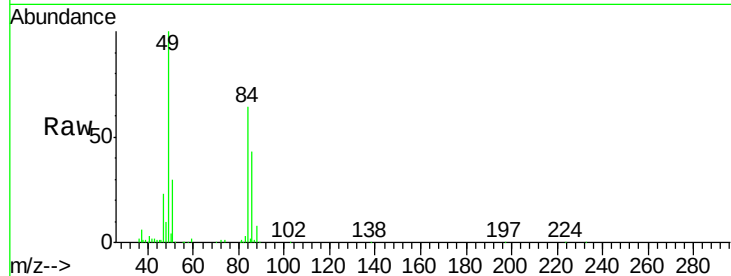
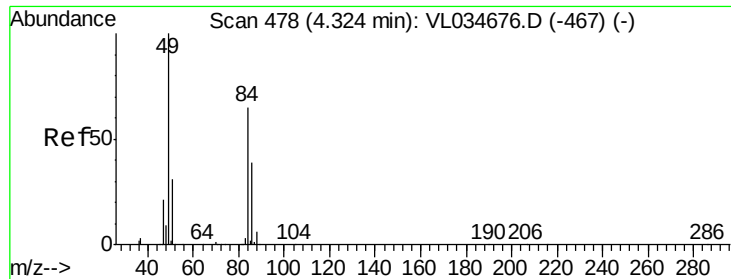
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#19
Isopropyl Alcohol
Concen: 11.115 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.02 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

Tgt Ion: 45 Resp: 784584
Ion Ratio Lower Upper
45 100
58 3.4 1.8 2.6#





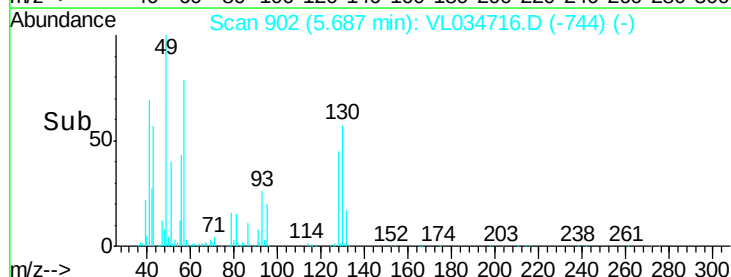
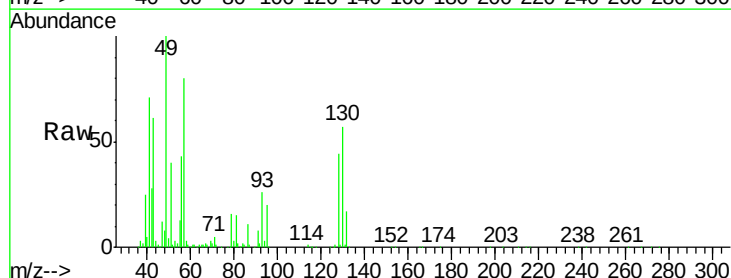
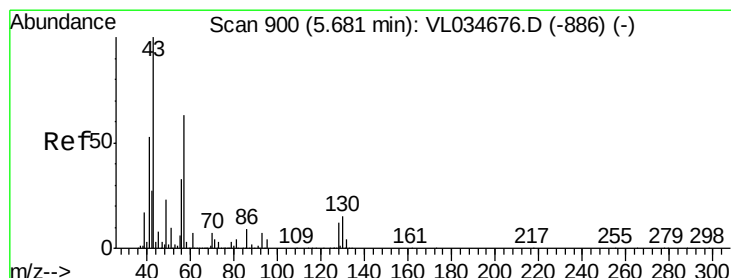
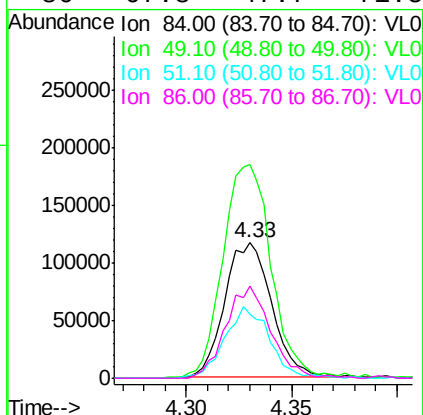
#20
Methylene Chloride
Concen: 4.099 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

Tot Ion	84	Resp	180655
Ion Ratio	Lower	Upper	
84	100		
49	156.5	122.8	184.2
51	47.0	38.6	58.0
86	67.8	47.7	71.5

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

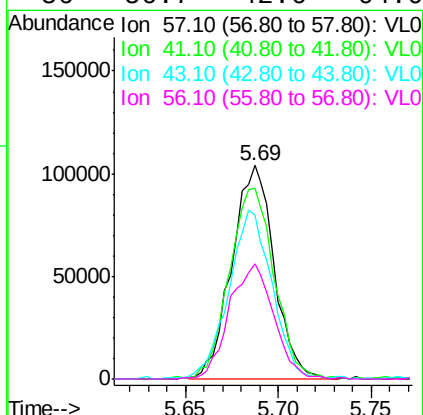
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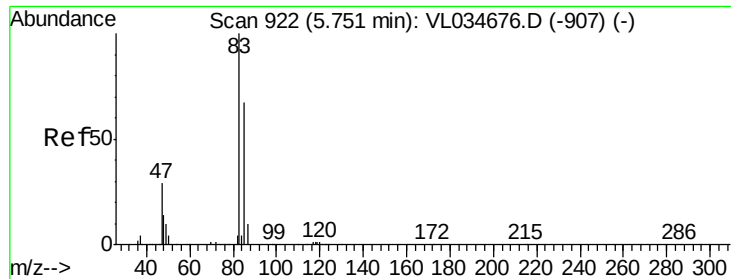
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#26
Hexane
Concen: 1.702 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

Tgt Ion	57	Resp	164526
Ion Ratio	Lower	Upper	
57	100		
41	95.7	70.3	105.5
43	81.7	177.0	265.4#
56	56.7	42.6	64.0





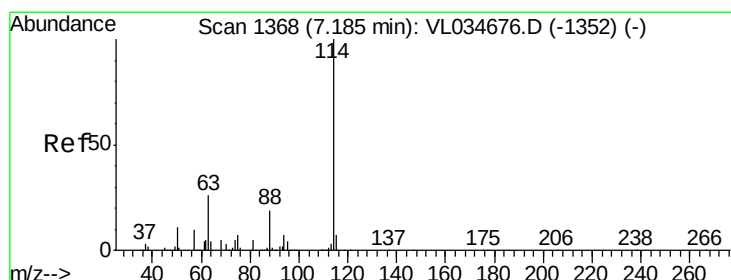
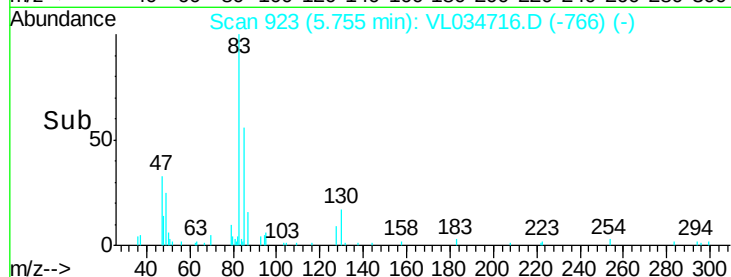
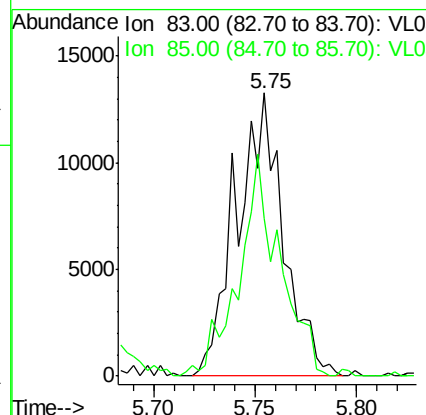
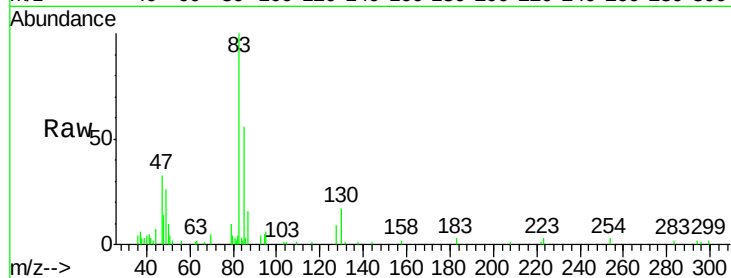
#29
Chloroform
Concen: 0.139 ppbv m
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

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

Tot Ion	83	Resp	21375
Ion Ratio	100	Lower	Upper
83	100		
85	56.0	53.9	80.9

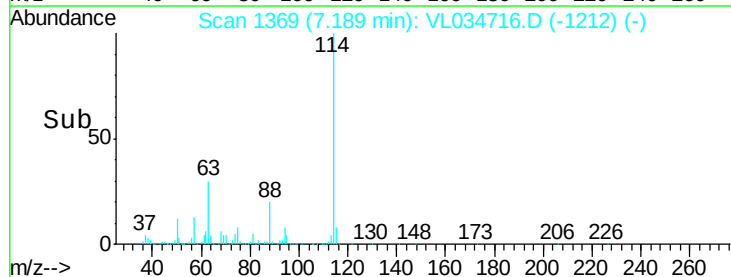
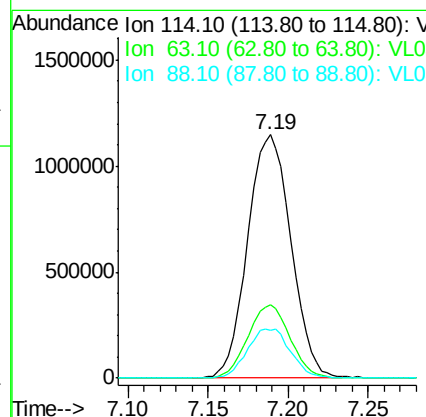
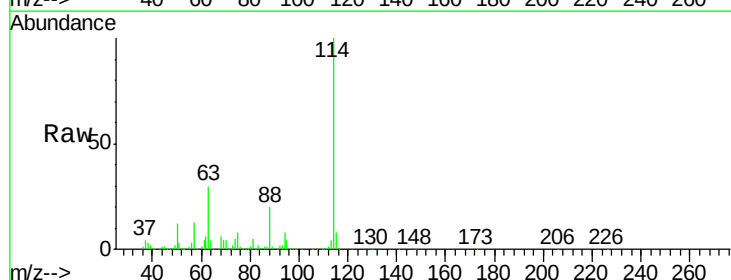
Manual Integrations
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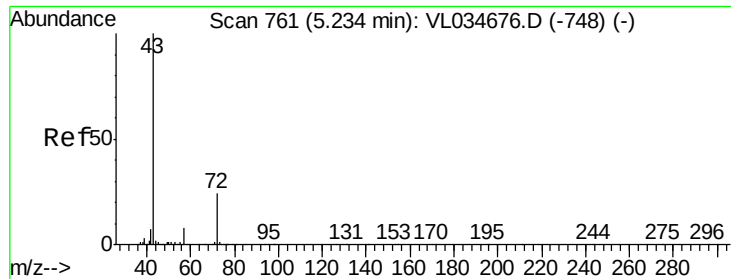
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

Tgt Ion	114	Resp	2122173
Ion Ratio	100	Lower	Upper
114	100		
63	29.3	22.9	34.3
88	20.2	15.8	23.6





#34

2-Butanone

Concen: 0.272 ppbv m

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOM

Tot Ion: 43 Resp: 36282

Ion Ratio Lower Upper

43 100

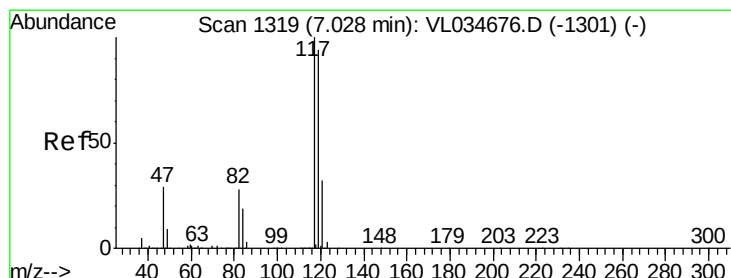
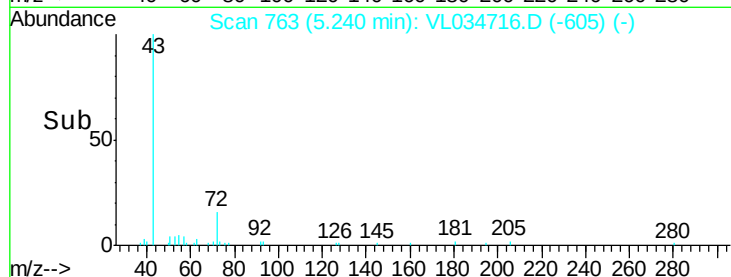
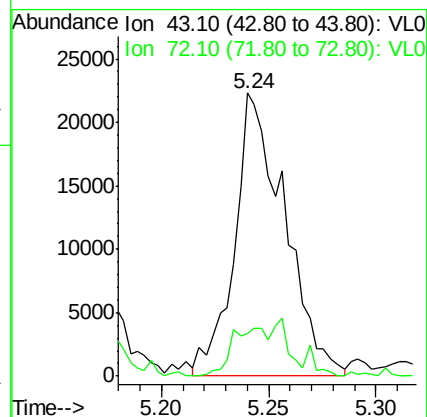
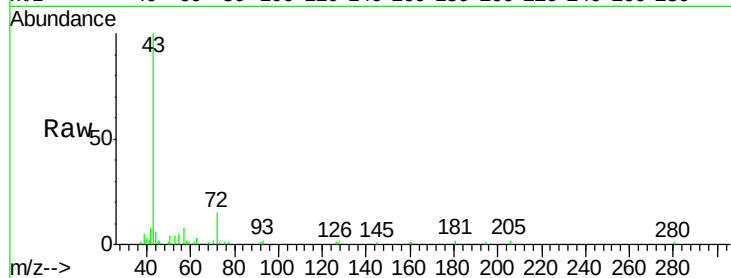
72 0.0 18.2 27.2#

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#35

Carbon Tetrachloride

Concen: 0.074 ppbv m

RT: 7.04 min Scan# 1324

Delta R.T. 0.02 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

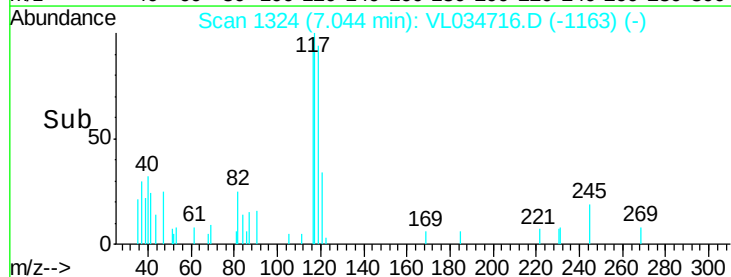
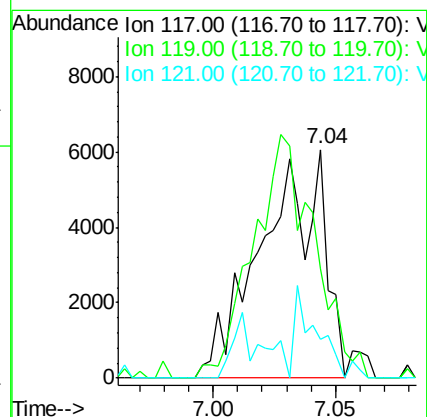
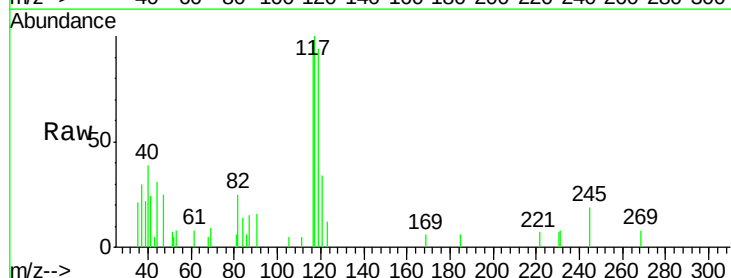
Tgt Ion: 117 Resp: 10557

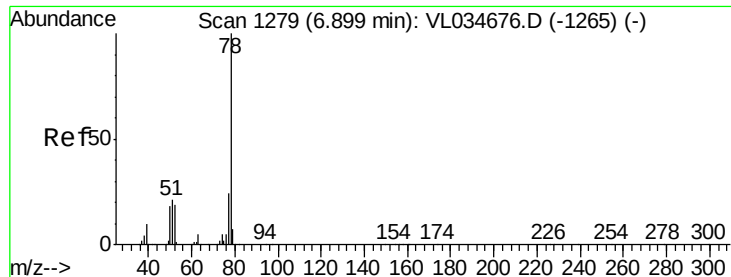
Ion Ratio Lower Upper

117 100

119 93.6 75.5 113.3

121 33.6 25.4 38.0





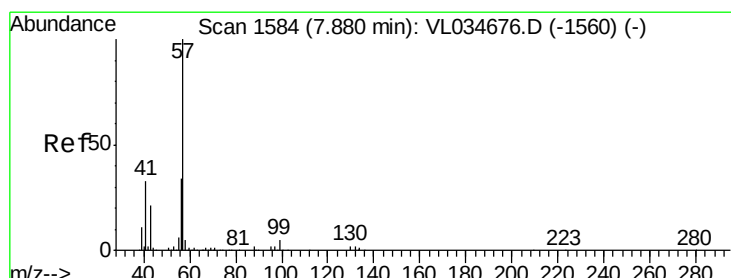
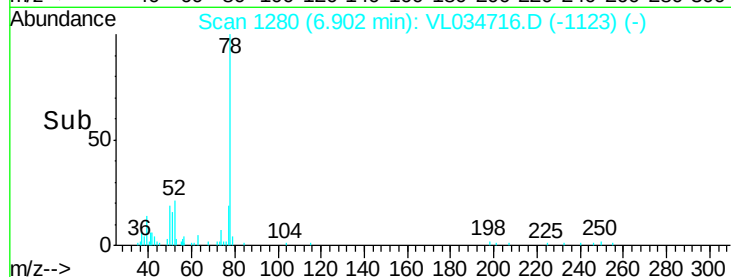
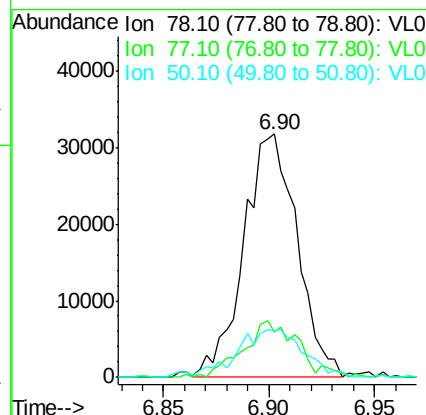
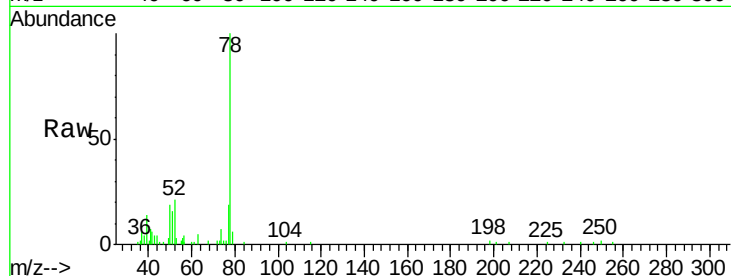
#36
Benzene
Concen: 0.305 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

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

Tot Ion	Ratio	Lower	Upper
78	100		
77	18.7	19.5	29.3#
50	18.6	14.6	21.8

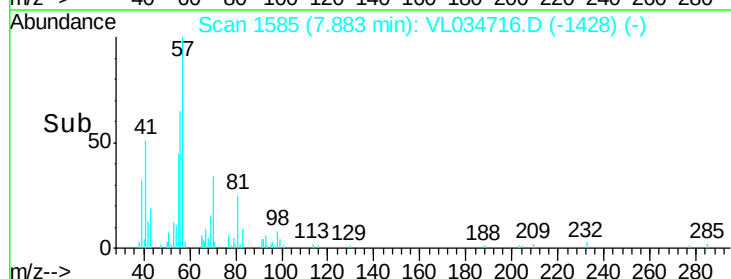
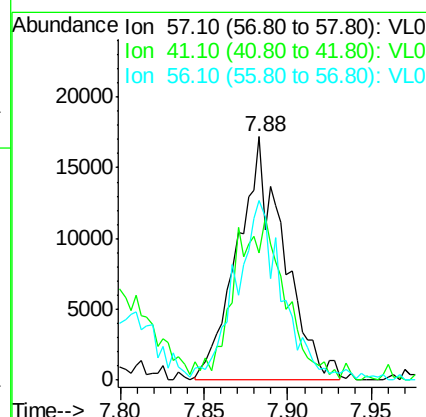
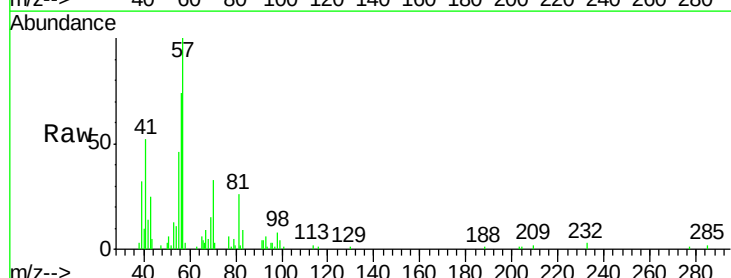
Manual Integrations
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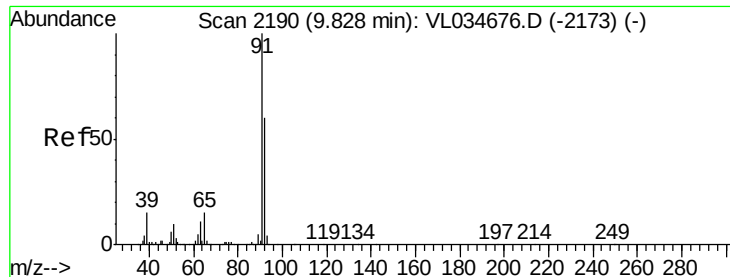
MMDadoda
2/28/2020 12:33:01 PM



#44
2,2,4-Trimethylpentane
Concen: 0.104 ppbv m
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034716.D
Acq: 27 Feb 2020 19:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	74.9	25.6	38.4#





#53

Toluene

Concen: 7.005 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOM

Tot Ion: 91 Resp: 1365528

Ion Ratio Lower Upper

91 100

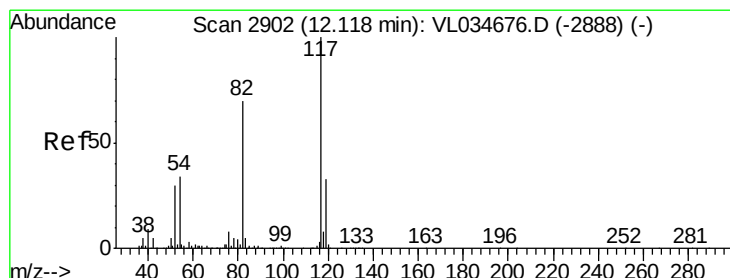
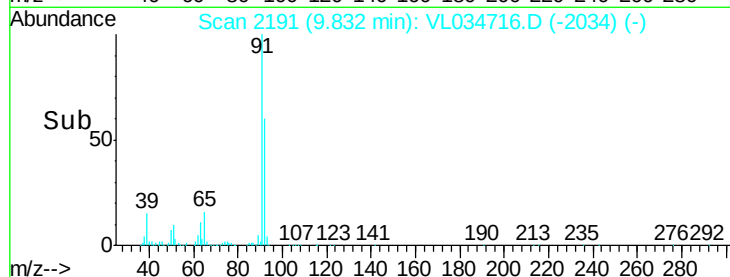
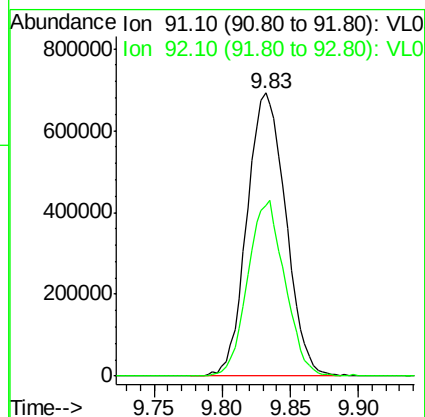
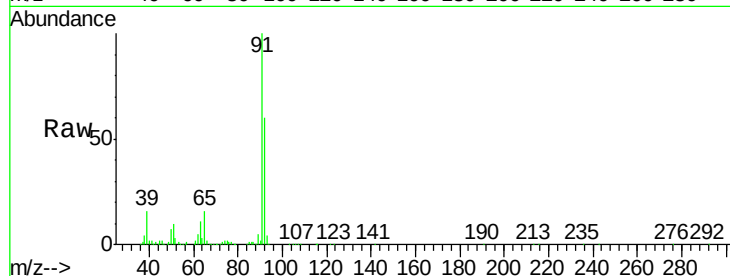
92 59.5 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.01 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

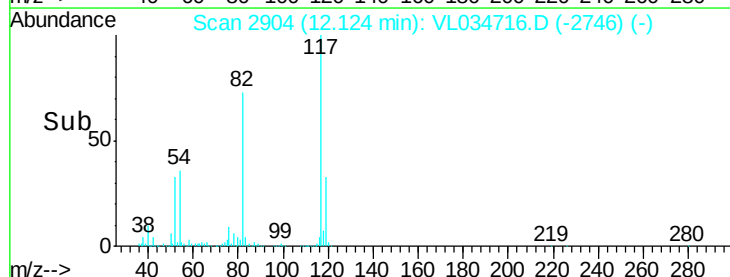
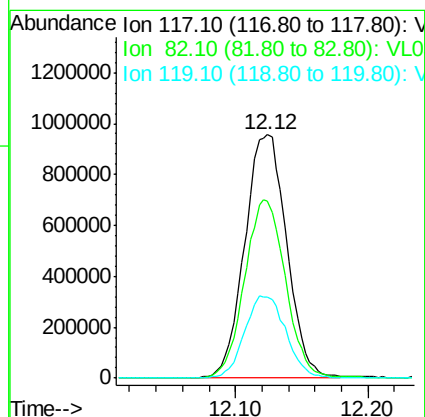
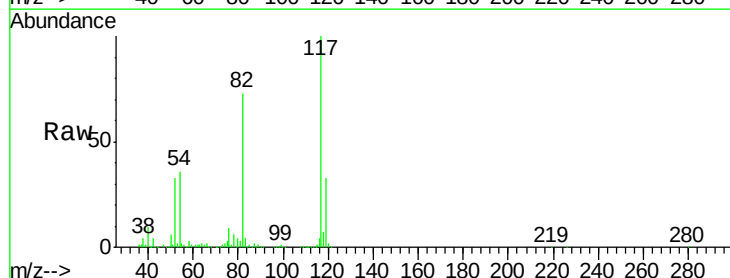
Tgt Ion: 117 Resp: 2102604

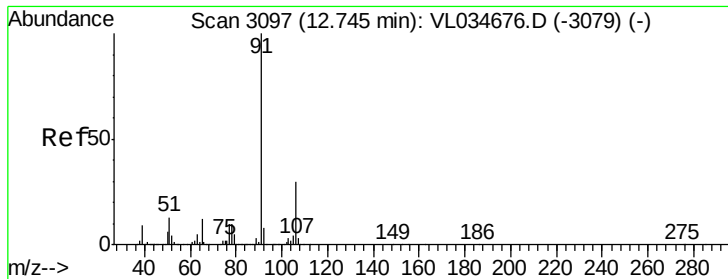
Ion Ratio Lower Upper

117 100

82 71.6 54.1 81.1

119 33.2 27.6 41.4





#58

Ethyl Benzene

Concen: 0.190 ppbv m

RT: 12.75 min Scan# 3099

Delta R.T. 0.01 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOM

Tot Ion: 91 Resp: 48334

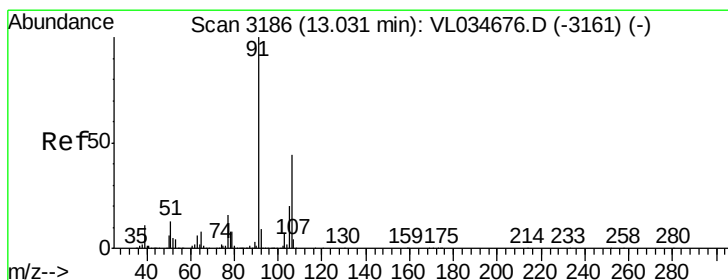
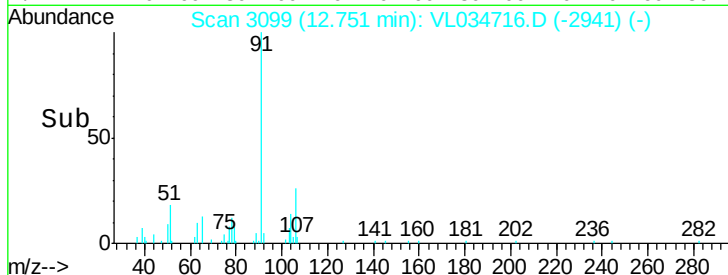
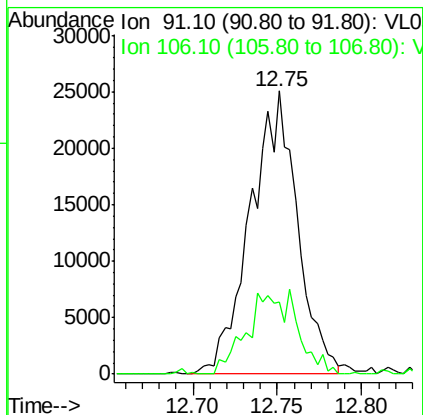
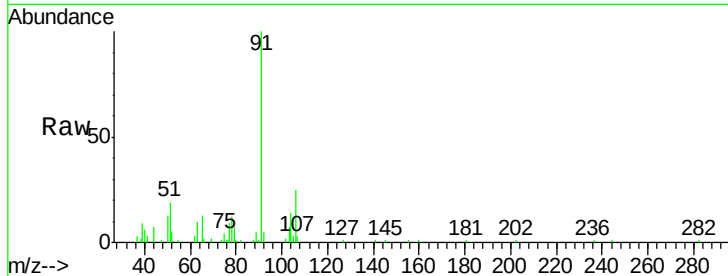
Ion Ratio Lower Upper

91 100

106 25.4 24.0 36.0

Manual Integrations
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#59

m/p-Xylene

Concen: 0.906 ppbv m

RT: 13.00 min Scan# 3177

Delta R.T. -0.03 min

Lab File: VL034716.D

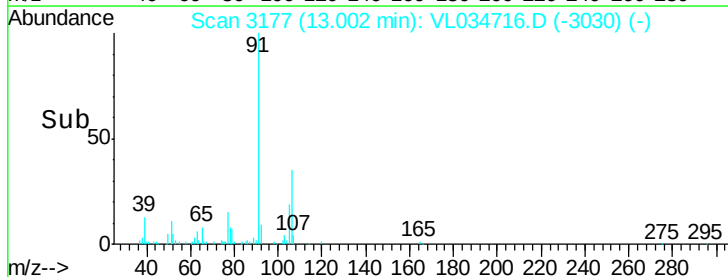
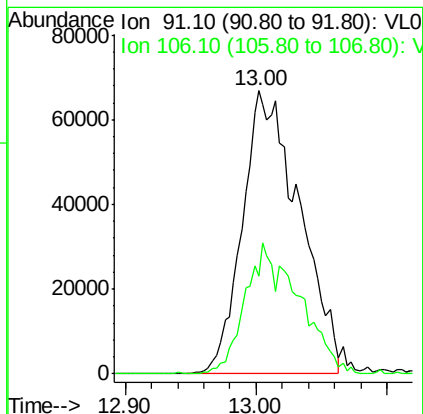
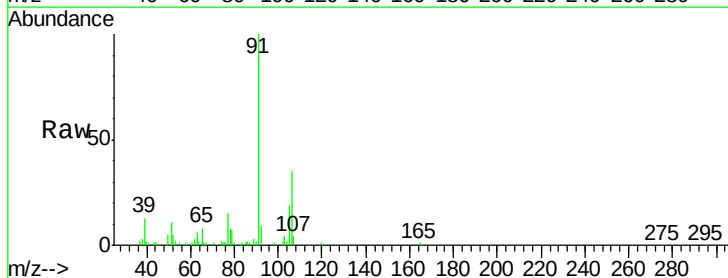
Acq: 27 Feb 2020 19:54

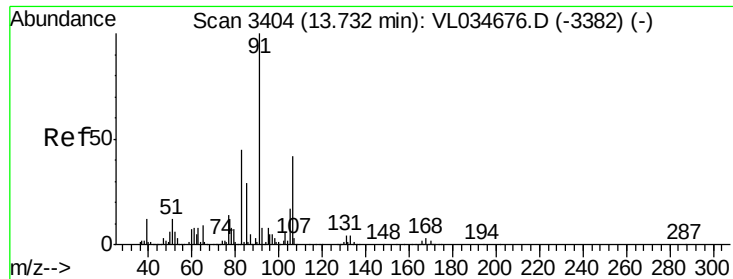
Tgt Ion: 91 Resp: 201019

Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#





#60

o-Xylene

Concen: 0.213 ppbv m

RT: 13.73 min Scan# 3405

Delta R.T. 0.00 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

Instrument :

MSVOA_L

ClientSampleId :

IAS-5-TEACHERS-ROOM

Tot Ion: 91 Resp: 46833

Ion Ratio Lower Upper

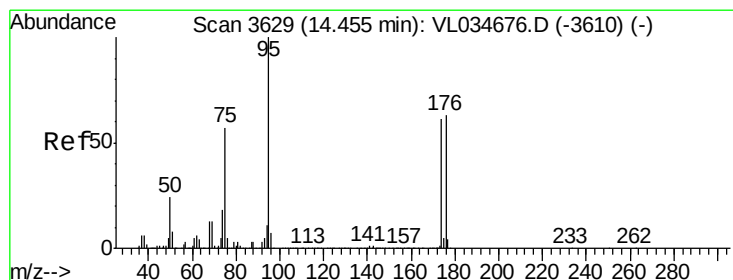
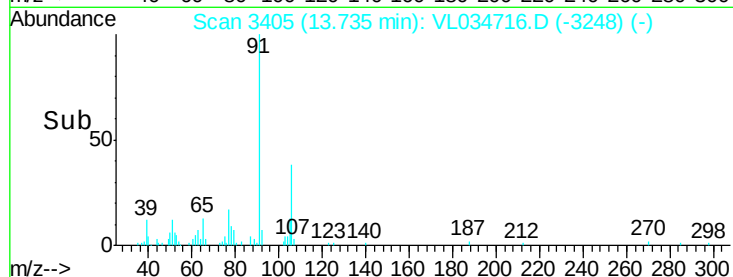
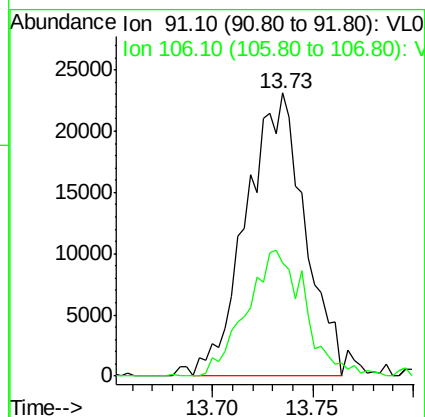
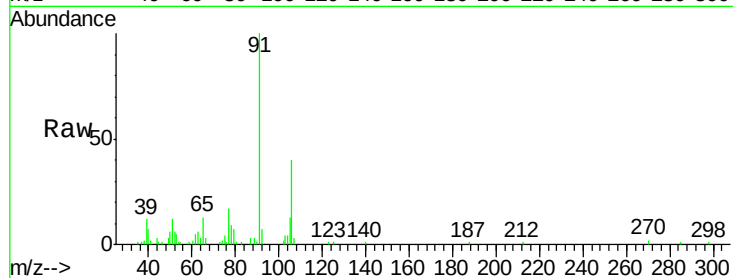
91 100

106 0.0 21.9 65.5#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.414 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL034716.D

Acq: 27 Feb 2020 19:54

Tgt Ion: 95 Resp: 1795497

Ion Ratio Lower Upper

95 100

174 63.6 50.7 76.1

175 4.6 3.9 5.9

