

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034736.D
 Acq On : 28 Feb 2020 14:26
 Operator : SY/AP
 Sample : L1662-07DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-PRE-K-TEACHERS-ROOMDU

Manual Integrations
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Quant Time: Mar 02 11:37:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1075984	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2186097	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2130363	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1820804	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	43955	0.259	ppbv	94
3) Chlorodifluoromethane	2.95	51	30065m	0.259	ppbv	
4) Chloromethane	3.11	50	33509	0.516	ppbv #	83
9) Propene	2.99	41	46631	0.961	ppbv	84
11) Trichlorofluoromethane	3.93	101	39513	0.266	ppbv	91
13) Ethanol	3.59	45	2737968	178.558	ppbv	97
15) Acetone	3.83	43	815393m	6.650	ppbv	
19) Isopropyl Alcohol	3.96	45	9545232	130.700	ppbv #	98
20) Methylene Chloride	4.33	84	97342	2.135	ppbv	88
26) Hexane	5.69	57	81792	0.818	ppbv #	47
34) 2-Butanone	5.24	43	45288	0.329	ppbv	94
35) Carbon Tetrachloride	7.03	117	10737m	0.073	ppbv	
36) Benzene	6.90	78	55380	0.293	ppbv #	92
53) Toluene	9.83	91	562816	2.803	ppbv	99
58) Ethyl Benzene	12.75	91	40673m	0.158	ppbv	
59) m/p-Xylene	13.01	91	151634m	0.675	ppbv	
60) o-Xylene	13.73	91	45295m	0.203	ppbv	
74) 1,2,4-Trimethylbenzene	16.81	105	50850m	0.193	ppbv	

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

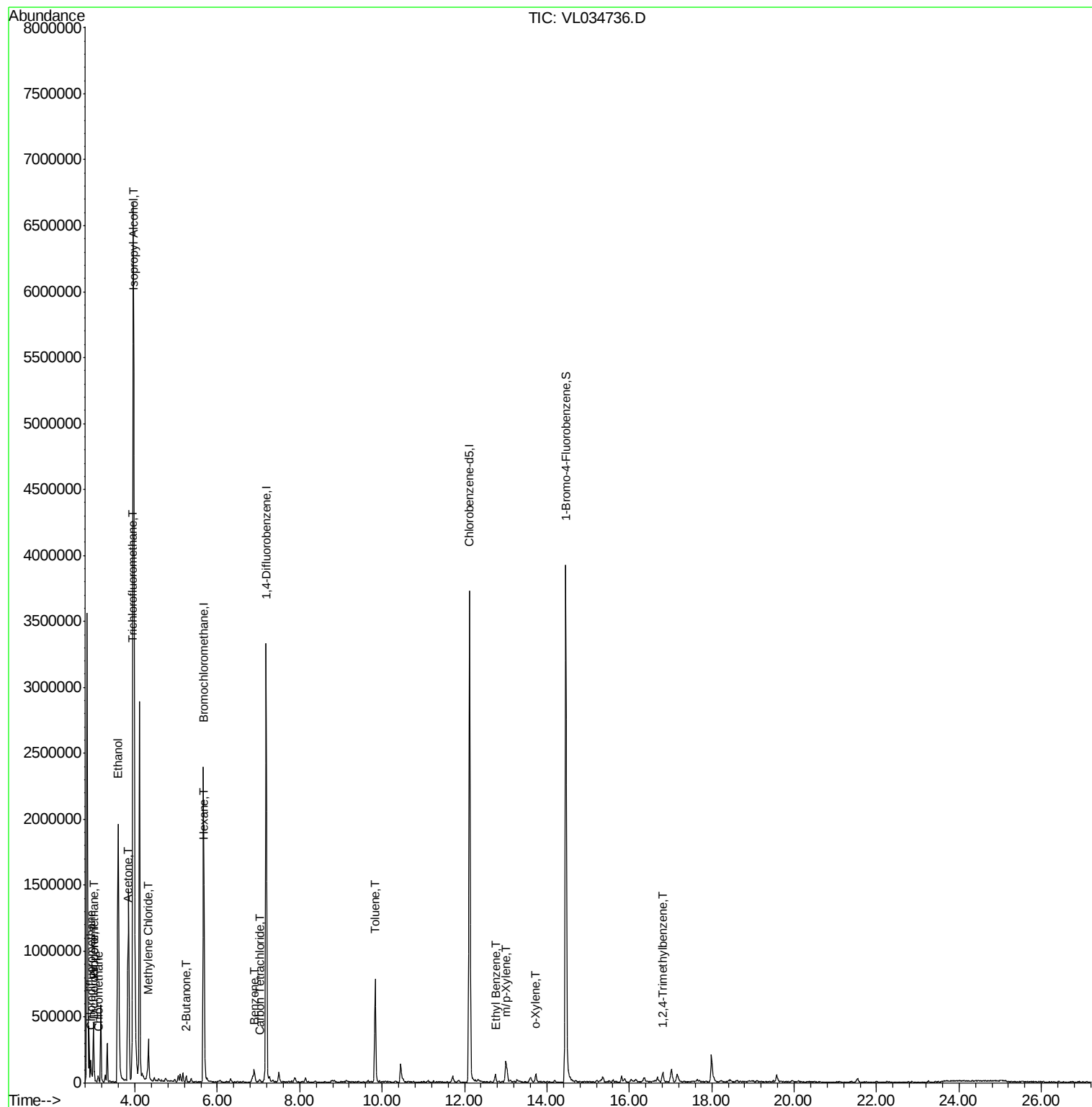
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022820\
Data File : VL034736.D
Acq On : 28 Feb 2020 14:26
Operator : SY/AP
Sample : L1662-07DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

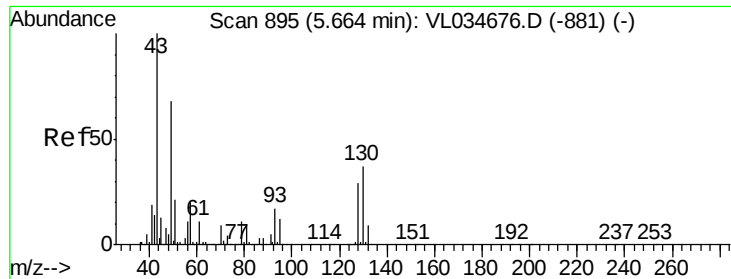
Instrument :
MSVOA_L
ClientSampleId :
IAS-7-PRE-K-TEACHERS-ROOMDU

Manual Integrations
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Quant Time: Mar 02 11:37:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

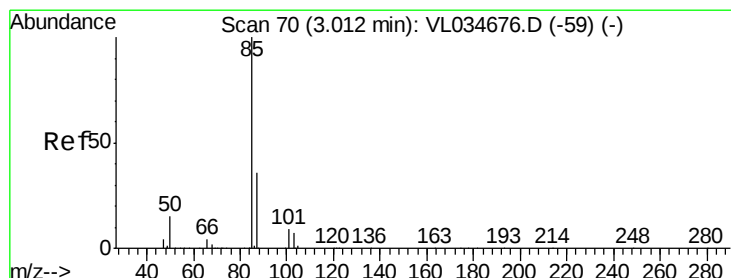
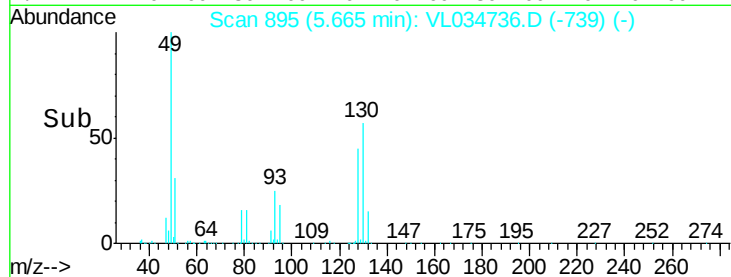
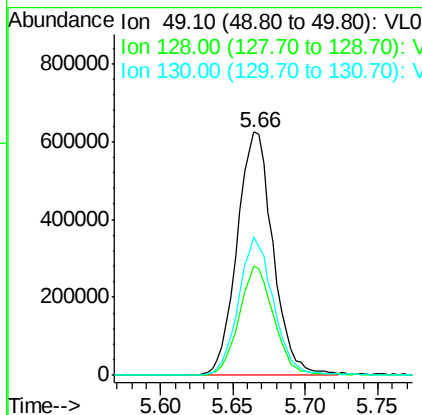
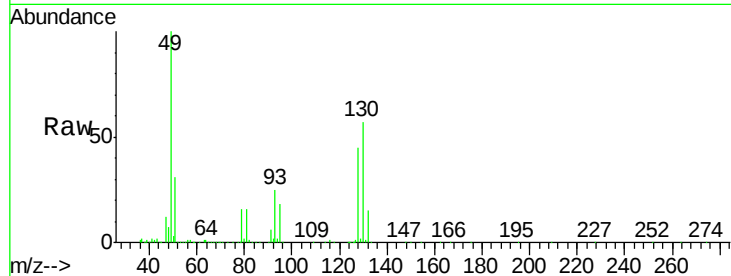
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 49 Resp: 1075984
 Ion Ratio Lower Upper
 49 100
 128 43.9 21.6 65.0
 130 55.9 27.7 83.1

Manual Integrations
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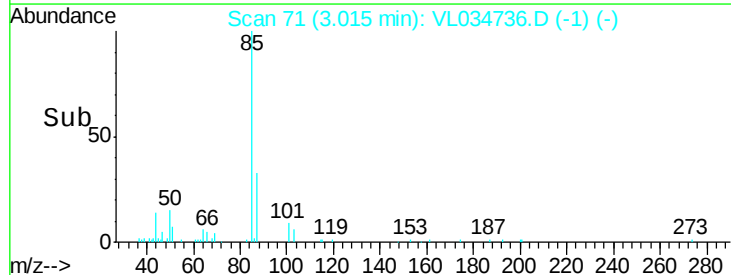
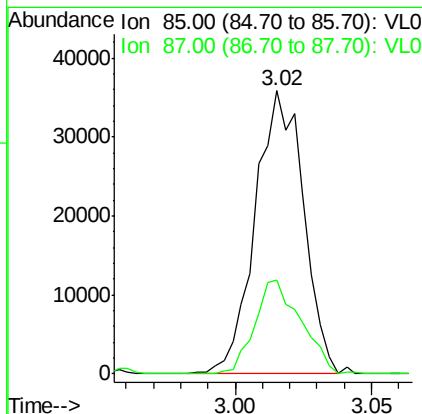
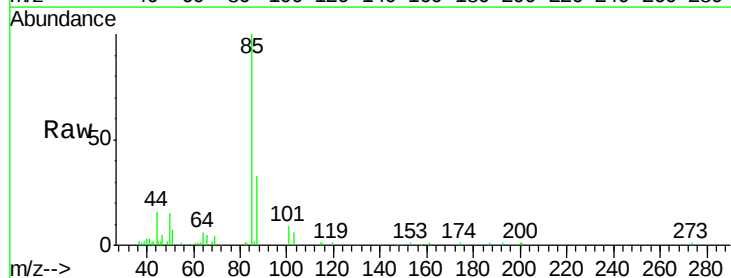
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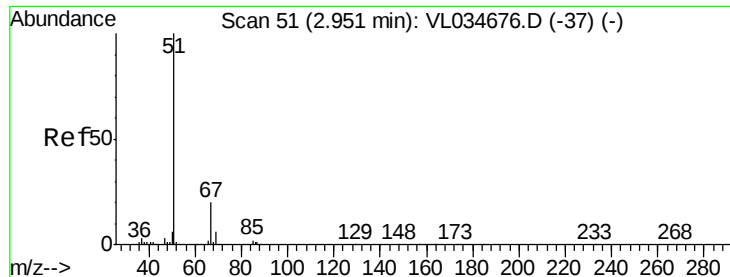


#2

Dichlorodifluoromethane
 Concen: 0.259 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Tgt Ion: 85 Resp: 43955
 Ion Ratio Lower Upper
 85 100
 87 33.0 29.2 43.8





#3

Chlorodifluoromethane

Concen: 0.259 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034736.D

Acq: 28 Feb 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 51 Resp: 30065

Ion Ratio Lower Upper

51 100

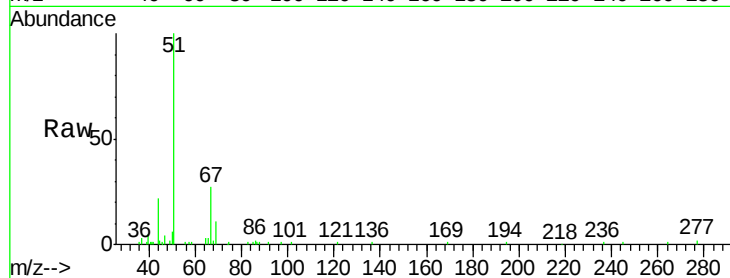
67 26.6 15.5 23.3#

Manual Integrations

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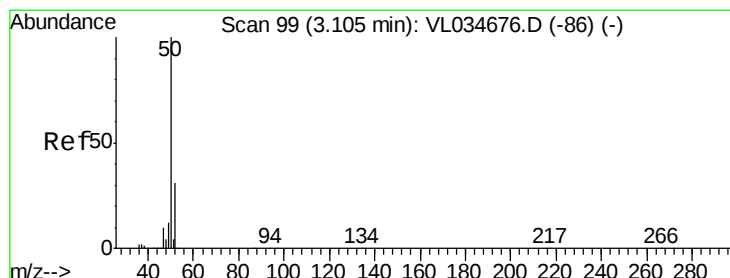
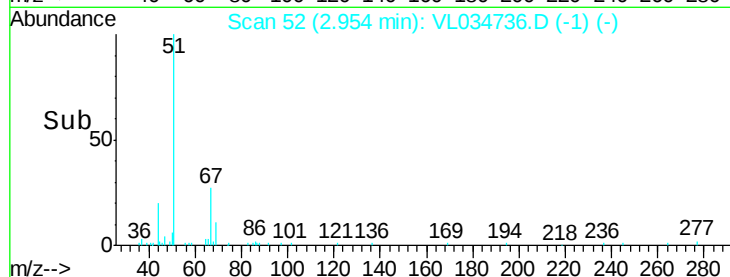
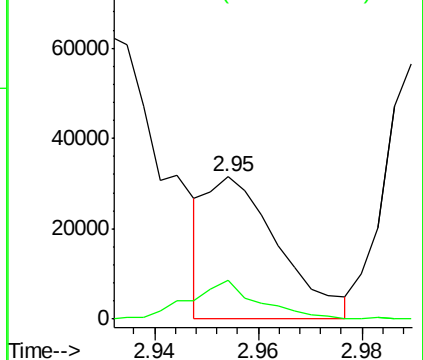
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.516 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034736.D

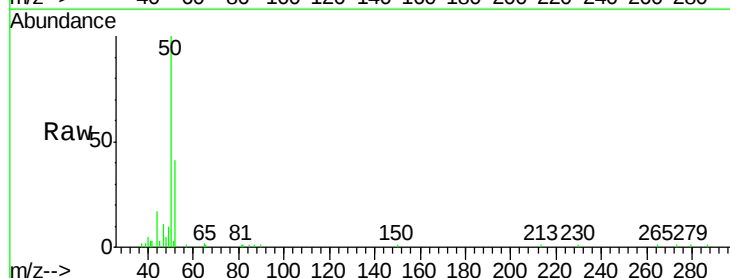
Acq: 28 Feb 2020 14:26

Tgt Ion: 50 Resp: 33509

Ion Ratio Lower Upper

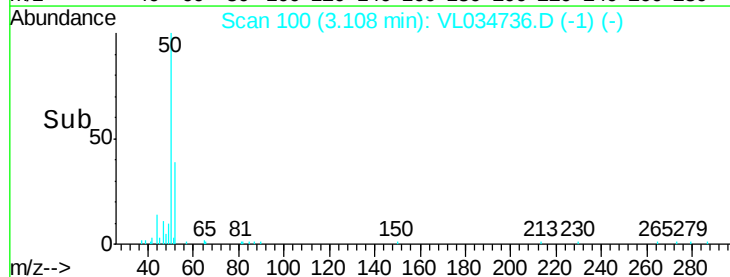
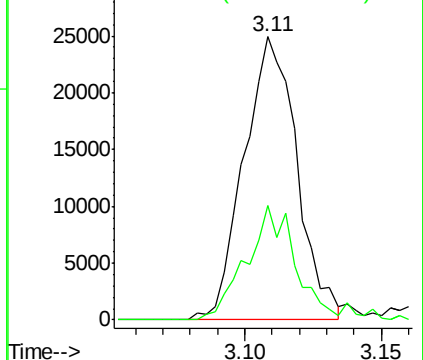
50 100

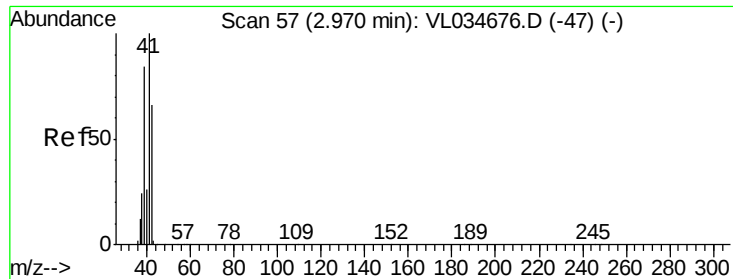
52 40.6 25.0 37.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





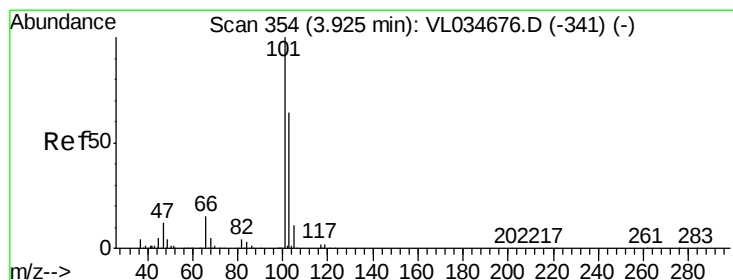
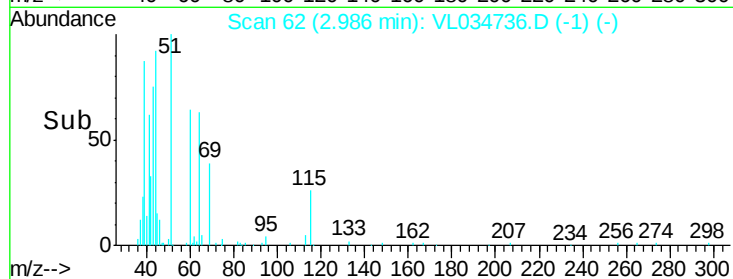
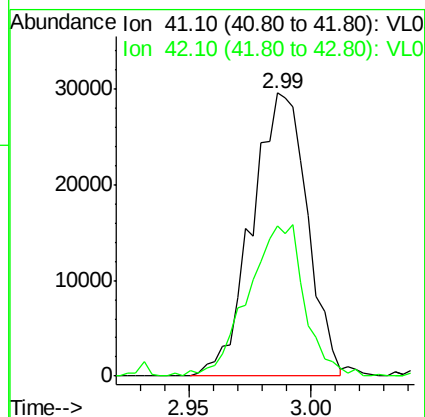
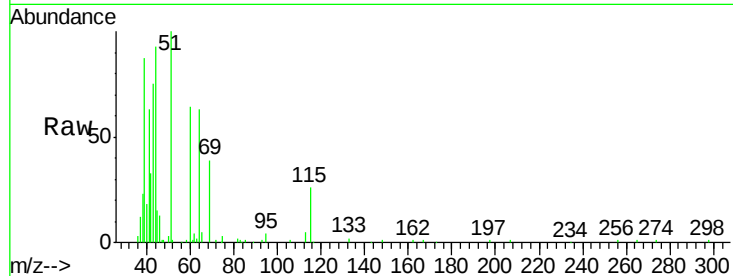
#9
 Propene
 Concen: 0.961 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.02 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 41 Resp: 46631
 Ion Ratio Lower Upper
 41 100
 42 55.6 54.9 82.3

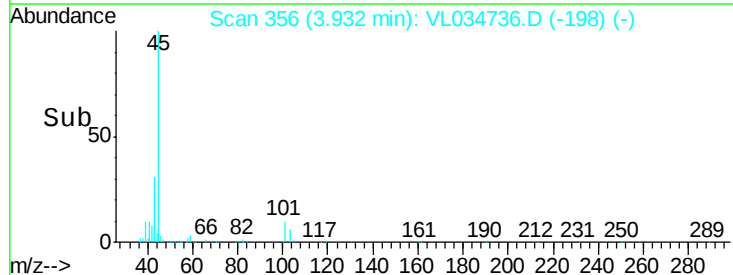
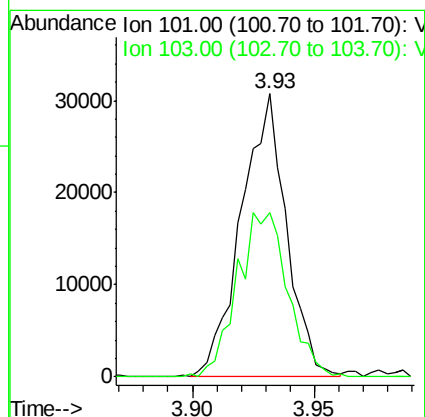
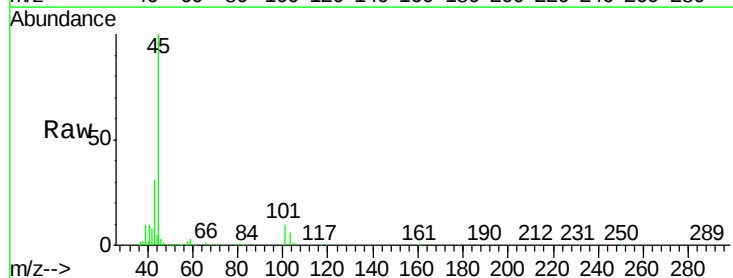
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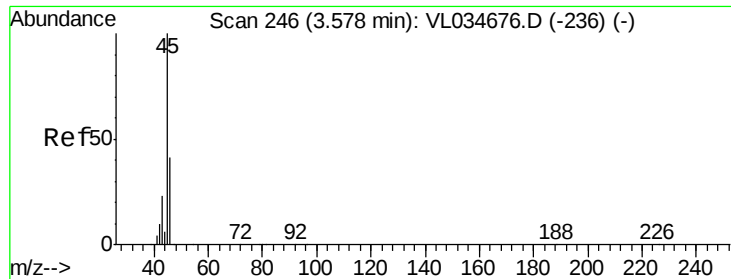
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#11
 Trichlorofluoromethane
 Concen: 0.266 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Tgt Ion: 101 Resp: 39513
 Ion Ratio Lower Upper
 101 100
 103 57.1 51.2 76.8





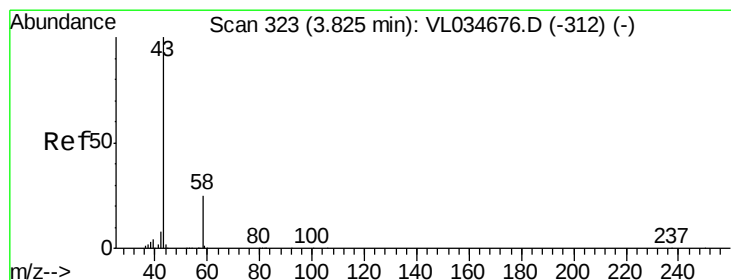
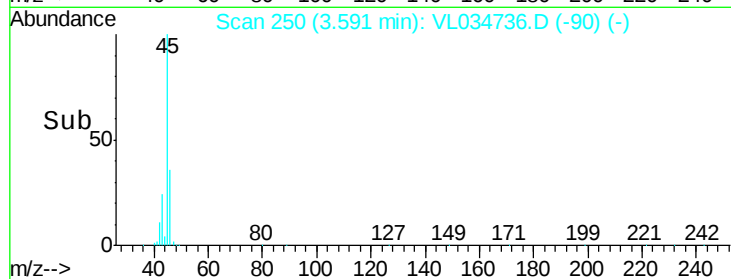
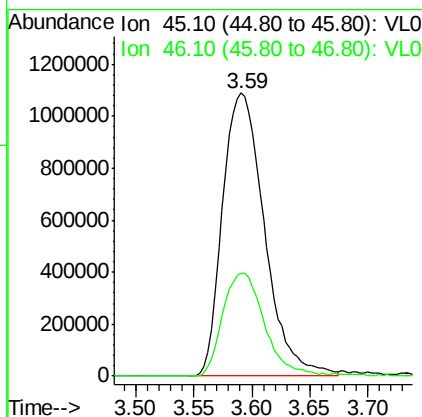
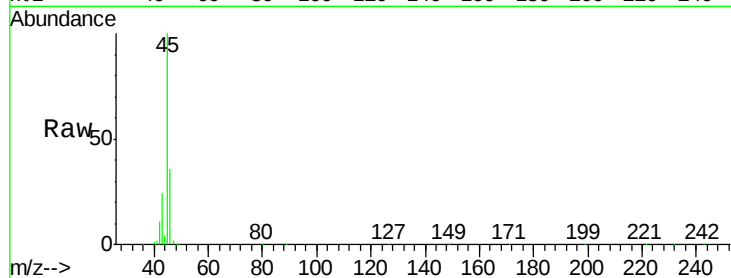
#13
Ethanol
Concen: 178.558 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 45 Resp: 2737968
Ion Ratio Lower Upper
45 100
46 36.7 15.4 61.4

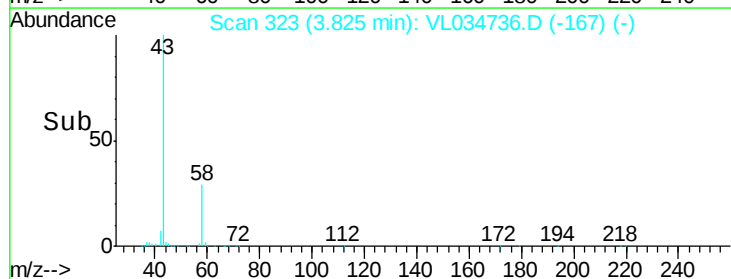
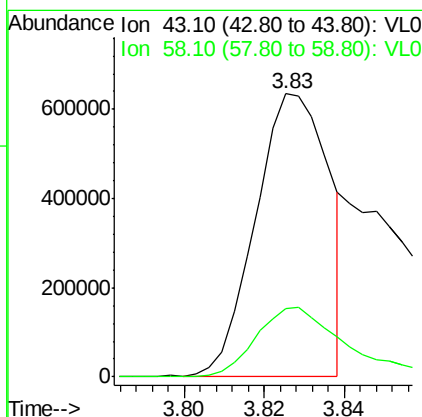
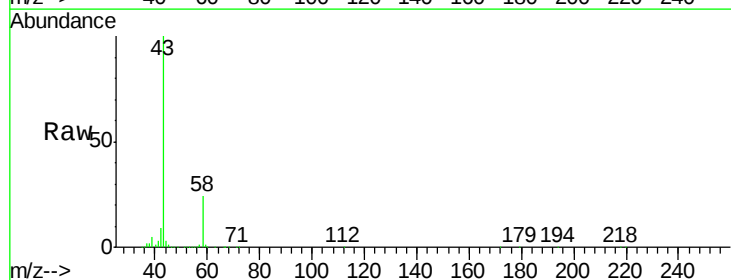
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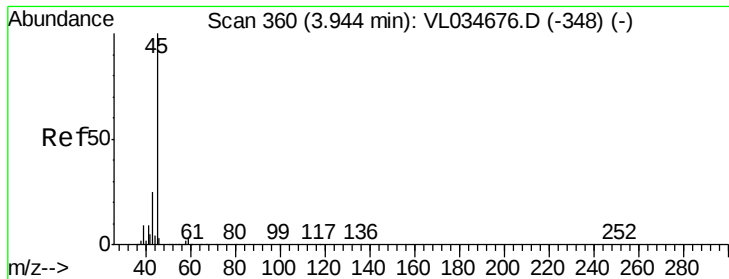
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#15
Acetone
Concen: 6.650 ppbv m
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Tgt Ion: 43 Resp: 815393
Ion Ratio Lower Upper
43 100
58 30.4 21.4 32.0





#19

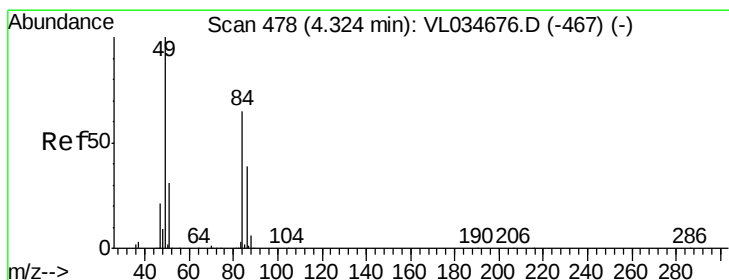
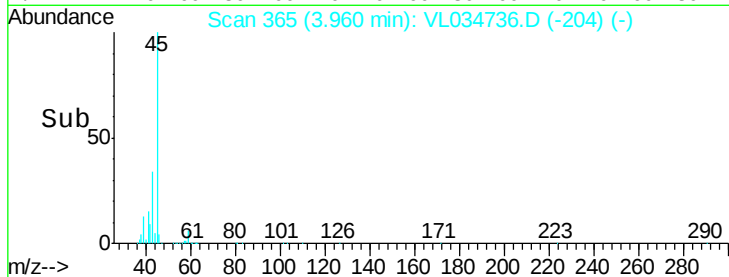
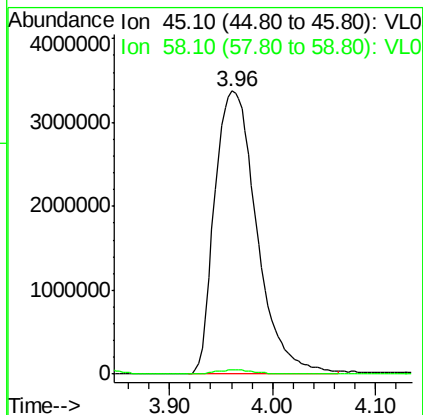
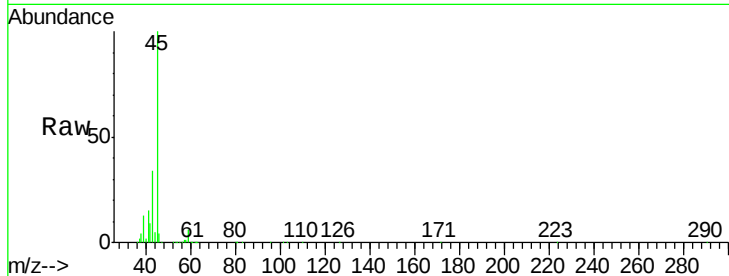
Isopropyl Alcohol
 Concen: 130.700 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 45 Resp: 9545232
 Ion Ratio Lower Upper
 45 100
 58 1.6 1.8 2.6#

Manual Integrations
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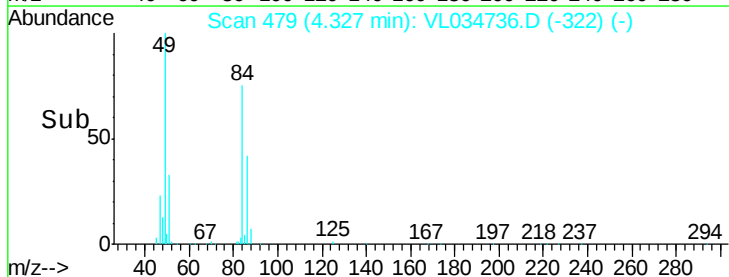
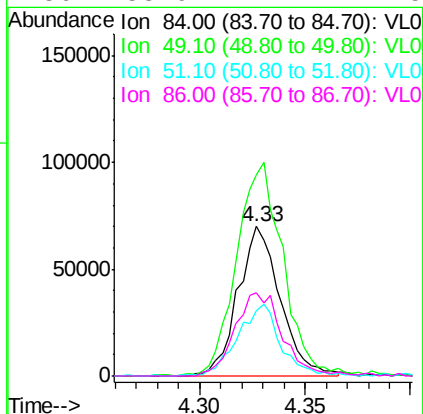
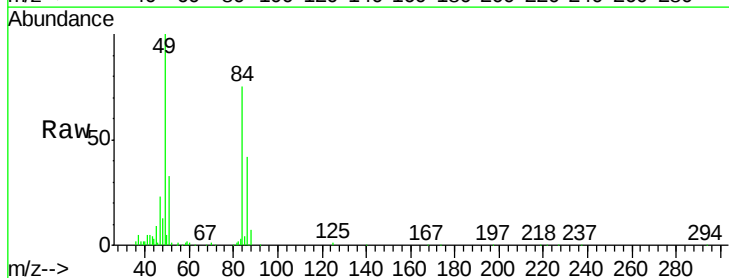
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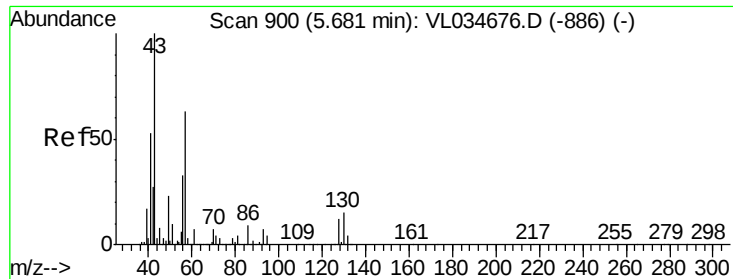


#20

Methylene Chloride
 Concen: 2.135 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Tgt Ion: 84 Resp: 97342
 Ion Ratio Lower Upper
 84 100
 49 132.3 122.8 184.2
 51 42.7 38.6 58.0
 86 55.9 47.7 71.5





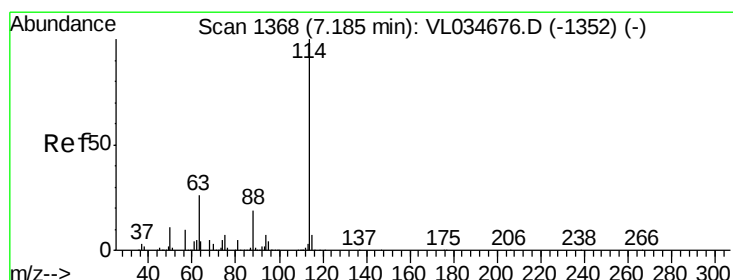
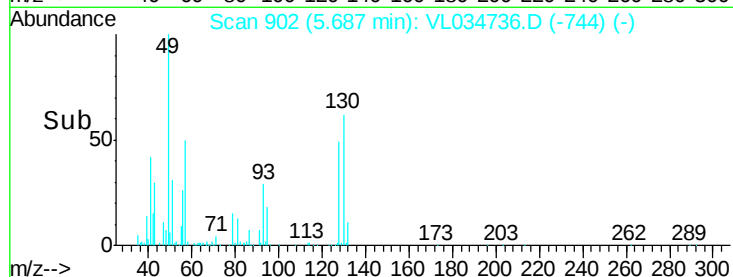
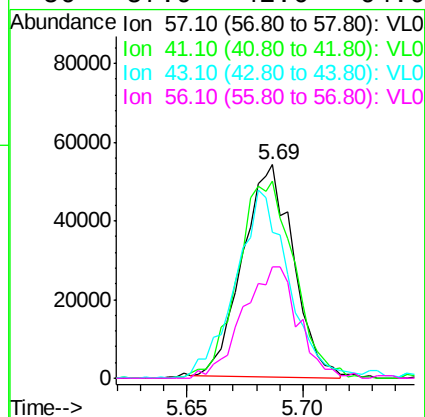
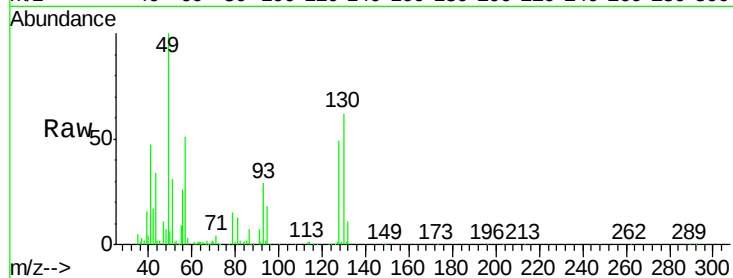
#26
Hexane
Concen: 0.818 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion	57	Resp	81792
Ion	Ratio	Lower	Upper
57	100		
41	103.9	70.3	105.5
43	95.2	177.0	265.4#
56	57.9	42.6	64.0

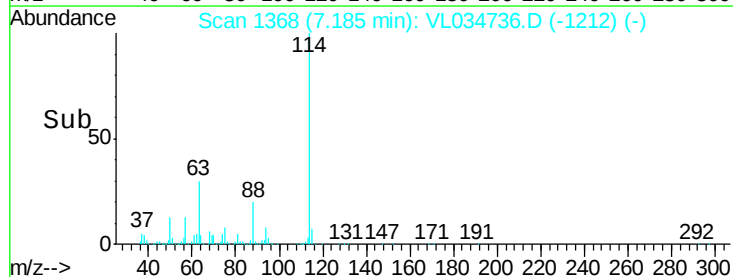
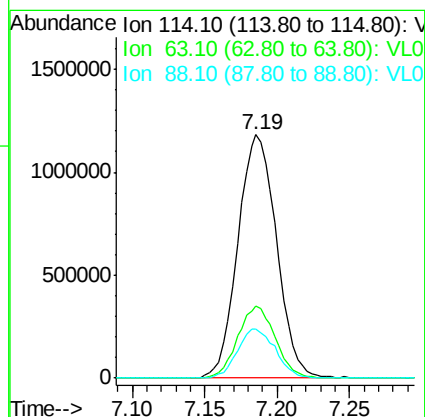
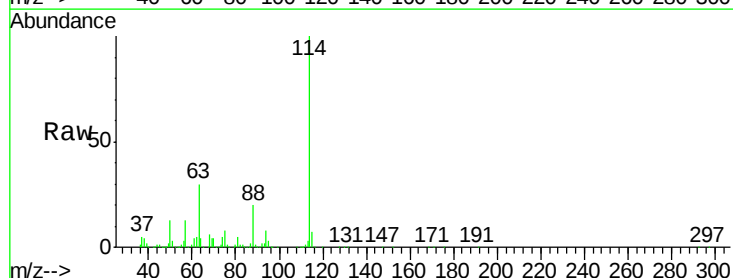
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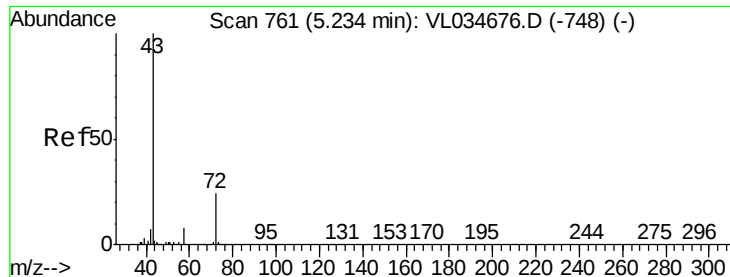
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Tgt Ion	114	Resp	2186097
Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.9	34.3
88	19.9	15.8	23.6





#34

2-Butanone

Concen: 0.329 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.01 min

Lab File: VL034736.D

Acq: 28 Feb 2020 14:26

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 43 Resp: 45288

Ion Ratio Lower Upper

43 100

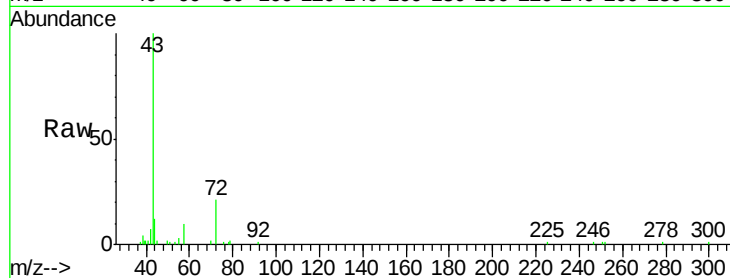
72 19.9 18.2 27.2

Manual Integrations

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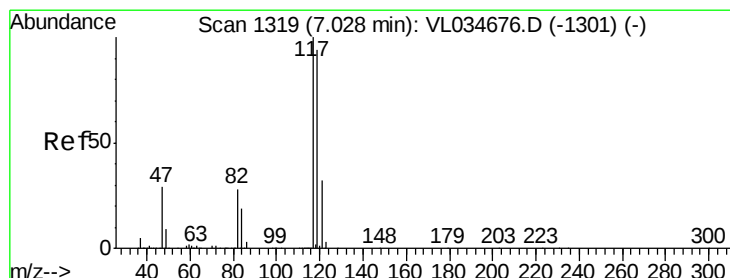
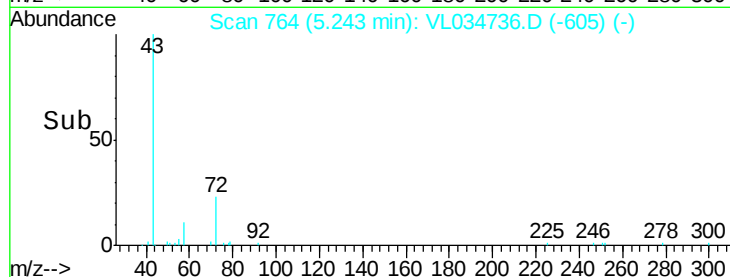
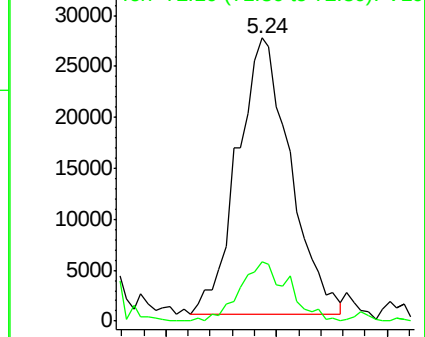
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.073 ppbv m

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034736.D

Acq: 28 Feb 2020 14:26

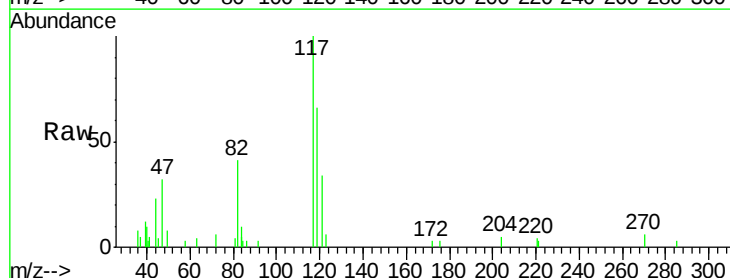
Tgt Ion: 117 Resp: 10737

Ion Ratio Lower Upper

117 100

119 65.9 75.5 113.3#

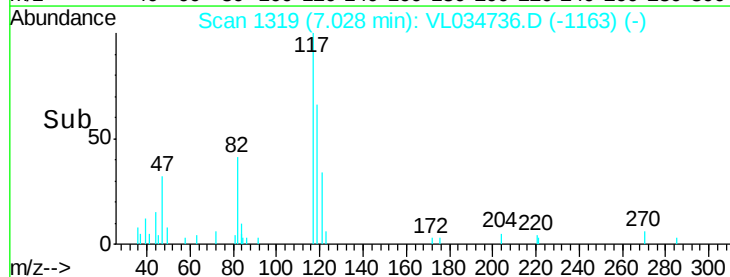
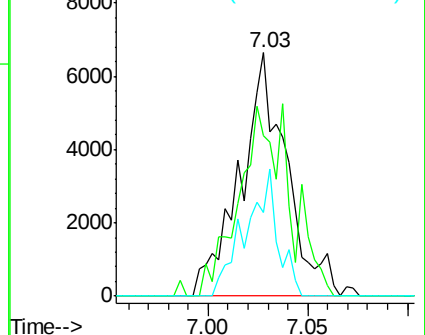
121 34.1 25.4 38.0

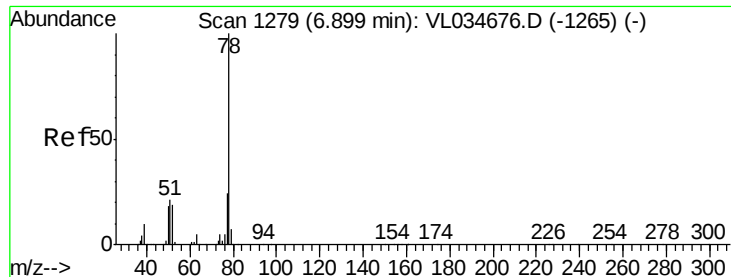


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#36

Benzene

Concen: 0.293 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034736.D

Acq: 28 Feb 2020 14:26

Instrument :

MSVOA_L

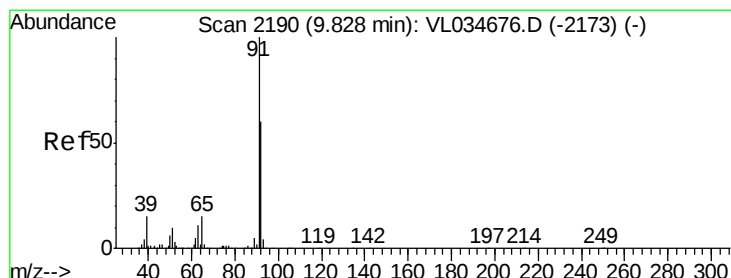
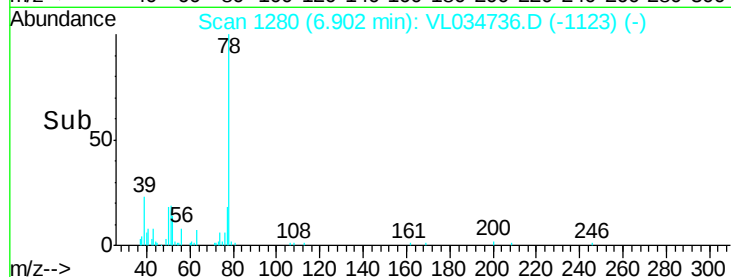
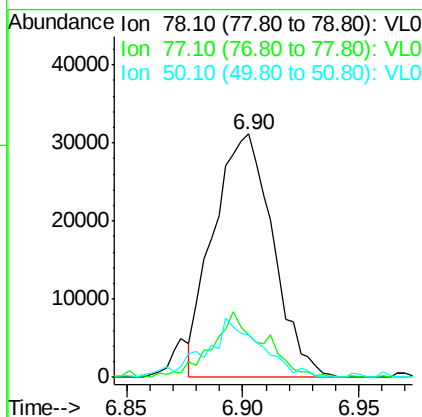
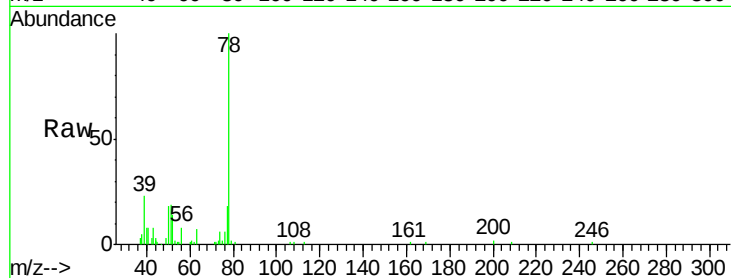
ClientSampleId :

IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion	Ratio	Lower	Upper
78	100		
77	17.8	19.5	29.3#
50	17.6	14.6	21.8

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#53

Toluene

Concen: 2.803 ppbv

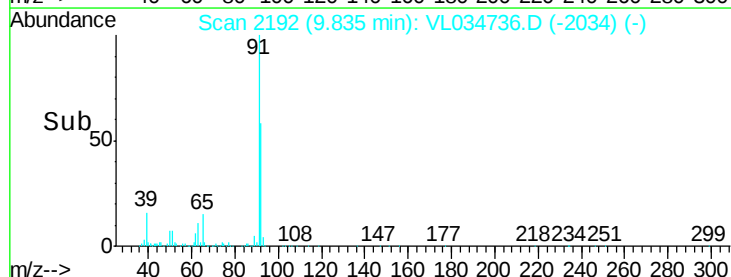
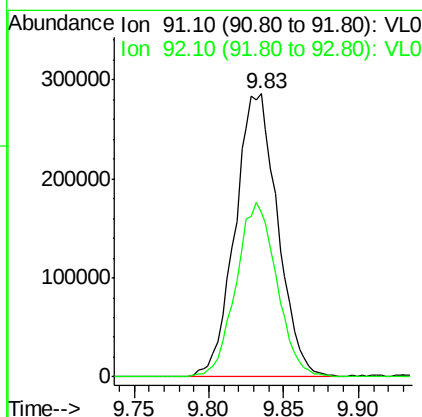
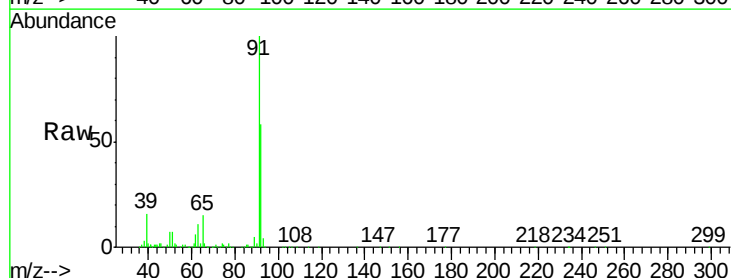
RT: 9.83 min Scan# 2192

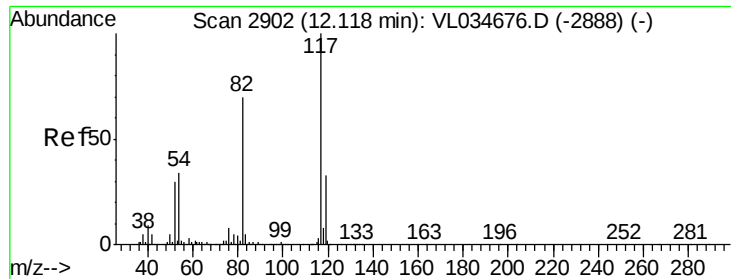
Delta R.T. 0.01 min

Lab File: VL034736.D

Acq: 28 Feb 2020 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.5	72.7





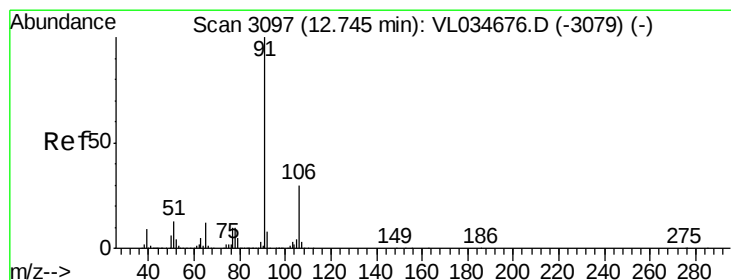
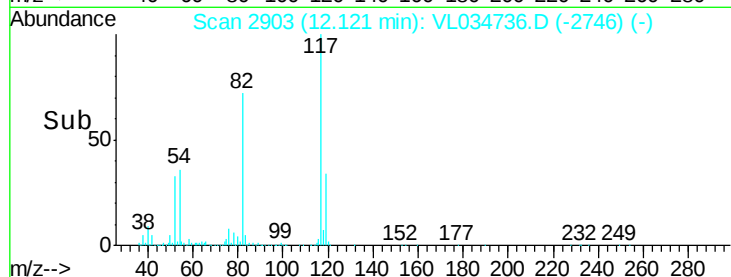
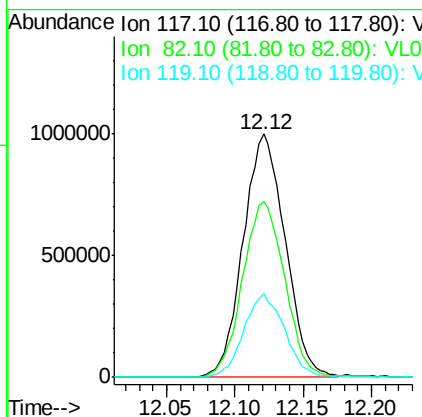
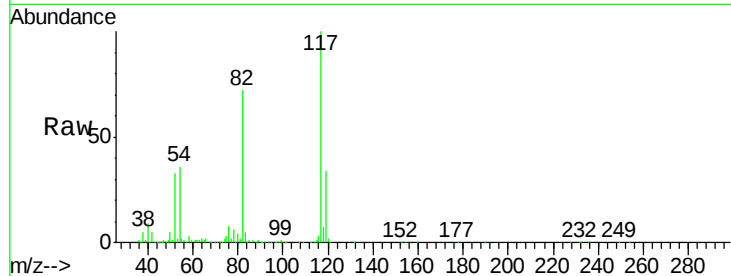
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.2	54.1	81.1
119	33.5	27.6	41.4

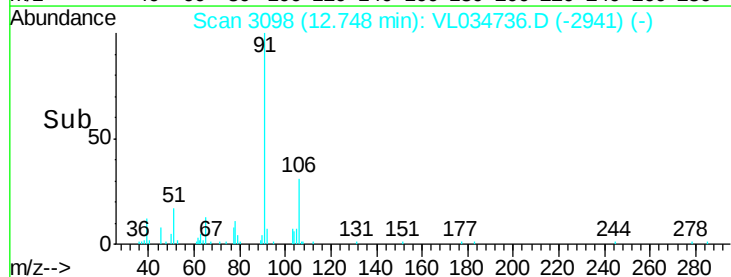
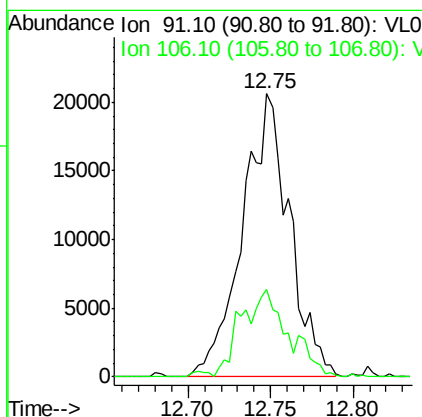
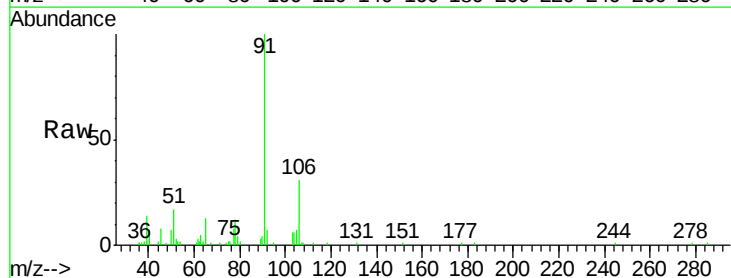
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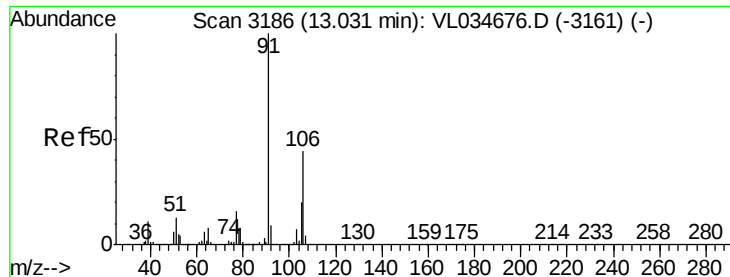
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#58
Ethyl Benzene
Concen: 0.158 ppbv m
RT: 12.75 min Scan# 3098
Delta R.T. 0.00 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.0	36.0





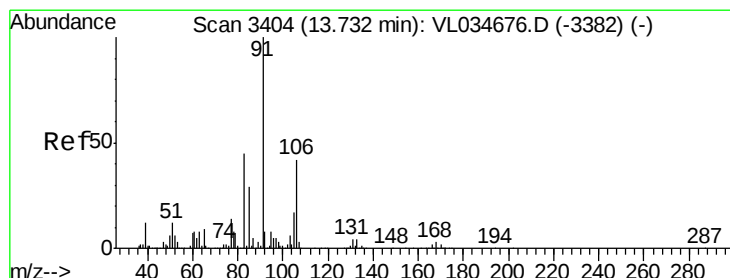
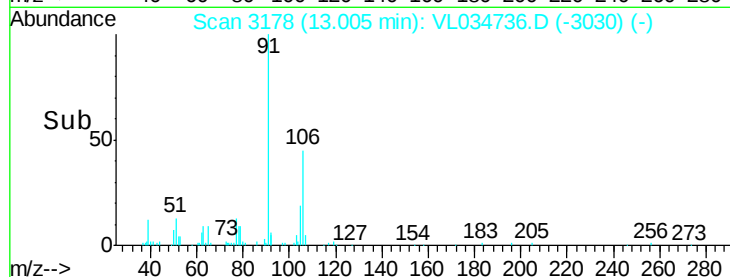
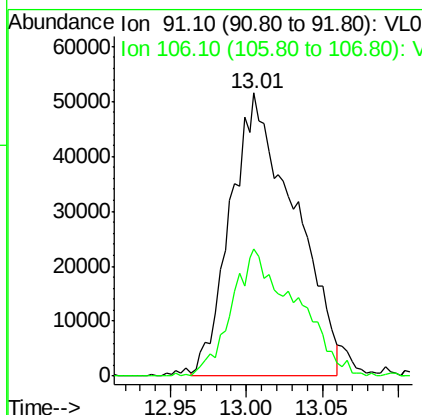
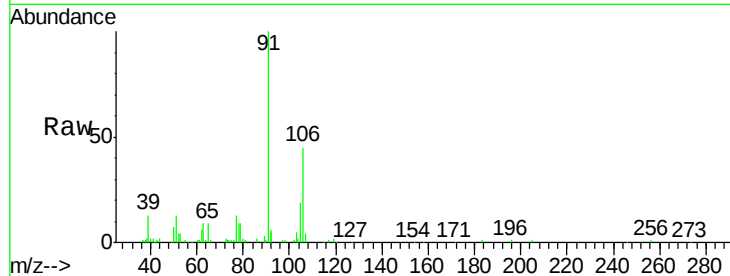
#59
m/p-Xylene
Concen: 0.675 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 91 Resp: 151634
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#

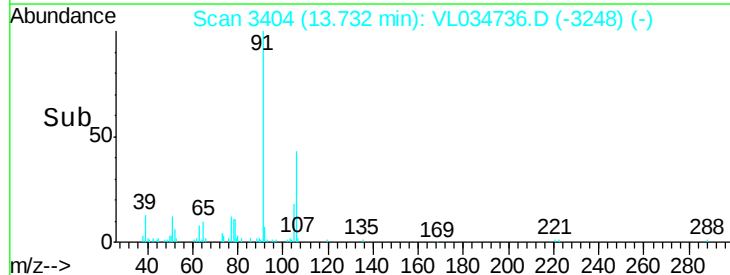
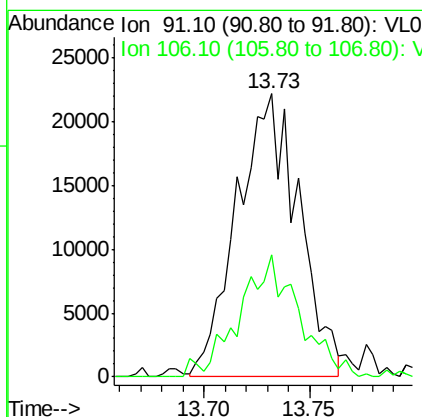
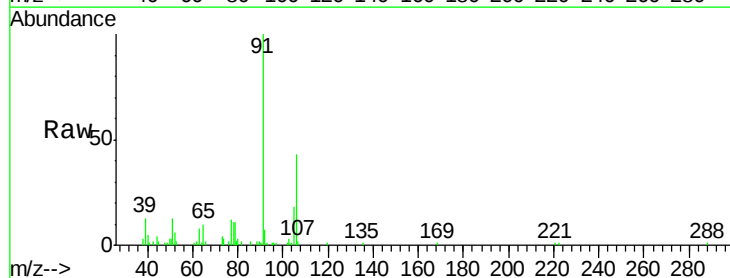
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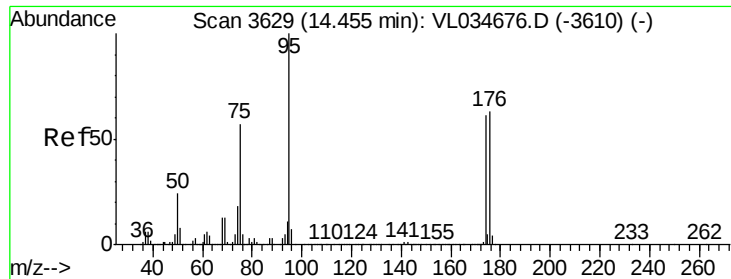
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#60
o-Xylene
Concen: 0.203 ppbv m
RT: 13.73 min Scan# 3404
Delta R.T. 0.00 min
Lab File: VL034736.D
Acq: 28 Feb 2020 14:26

Tgt Ion: 91 Resp: 45295
Ion Ratio Lower Upper
91 100
106 41.9 21.9 65.5





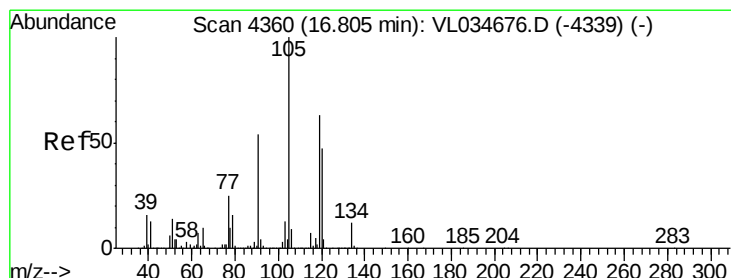
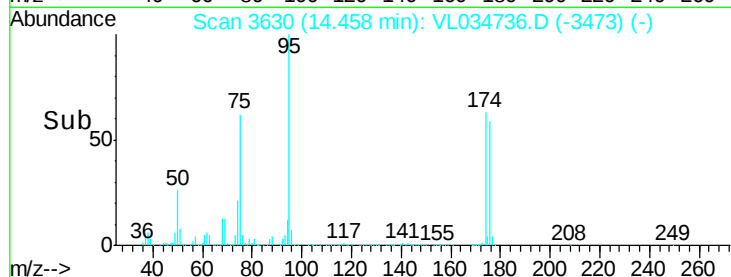
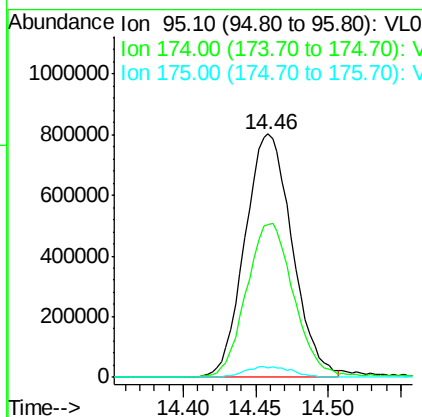
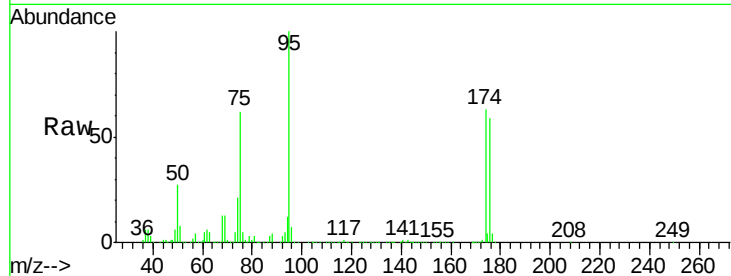
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.424 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-PRE-K-TEACHERS-ROOMDU

Tot Ion: 95 Resp: 1820804
 Ion Ratio Lower Upper
 95 100
 174 64.8 50.7 76.1
 175 4.5 3.9 5.9

Manual Integrations
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.193 ppbv m
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: VL034736.D
 Acq: 28 Feb 2020 14:26

Tgt Ion: 105 Resp: 50850
 Ion Ratio Lower Upper
 105 100
 120 38.9 37.9 56.9
 91 15.8 43.9 65.9#
 77 17.7 20.3 30.5#

