

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034735.D
 Acq On : 28 Feb 2020 13:28
 Operator : SY/AP
 Sample : L1662-07
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 1:01:14 PM

Quant Time: Mar 02 11:36:33 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	960123	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1975672	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1938072	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1652636	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	47692	0.315	ppbv	89
3) Chlorodifluoromethane	2.95	51	27281m	0.263	ppbv	
4) Chloromethane	3.11	50	33309m	0.574	ppbv	
9) Propene	2.99	41	44389m	1.025	ppbv	
11) Trichlorofluoromethane	3.93	101	34512	0.260	ppbv	97
13) Ethanol	3.59	45	2485478	181.652	ppbv	97
15) Acetone	3.83	43	804410m	7.352	ppbv	
19) Isopropyl Alcohol	3.96	45	8567078	131.462	ppbv #	98
20) Methylene Chloride	4.33	84	66018	1.622	ppbv	92
26) Hexane	5.68	57	70418	0.789	ppbv #	48
34) 2-Butanone	5.24	43	39959	0.321	ppbv	97
35) Carbon Tetrachloride	7.04	117	10610m	0.080	ppbv	
36) Benzene	6.90	78	52929m	0.310	ppbv	
53) Toluene	9.83	91	511297	2.817	ppbv	97
58) Ethyl Benzene	12.75	91	39909m	0.170	ppbv	
59) m/p-Xylene	13.01	91	138126m	0.675	ppbv	
60) o-Xylene	13.73	91	44342m	0.218	ppbv	
74) 1,2,4-Trimethylbenzene	16.81	105	48076m	0.200	ppbv	

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

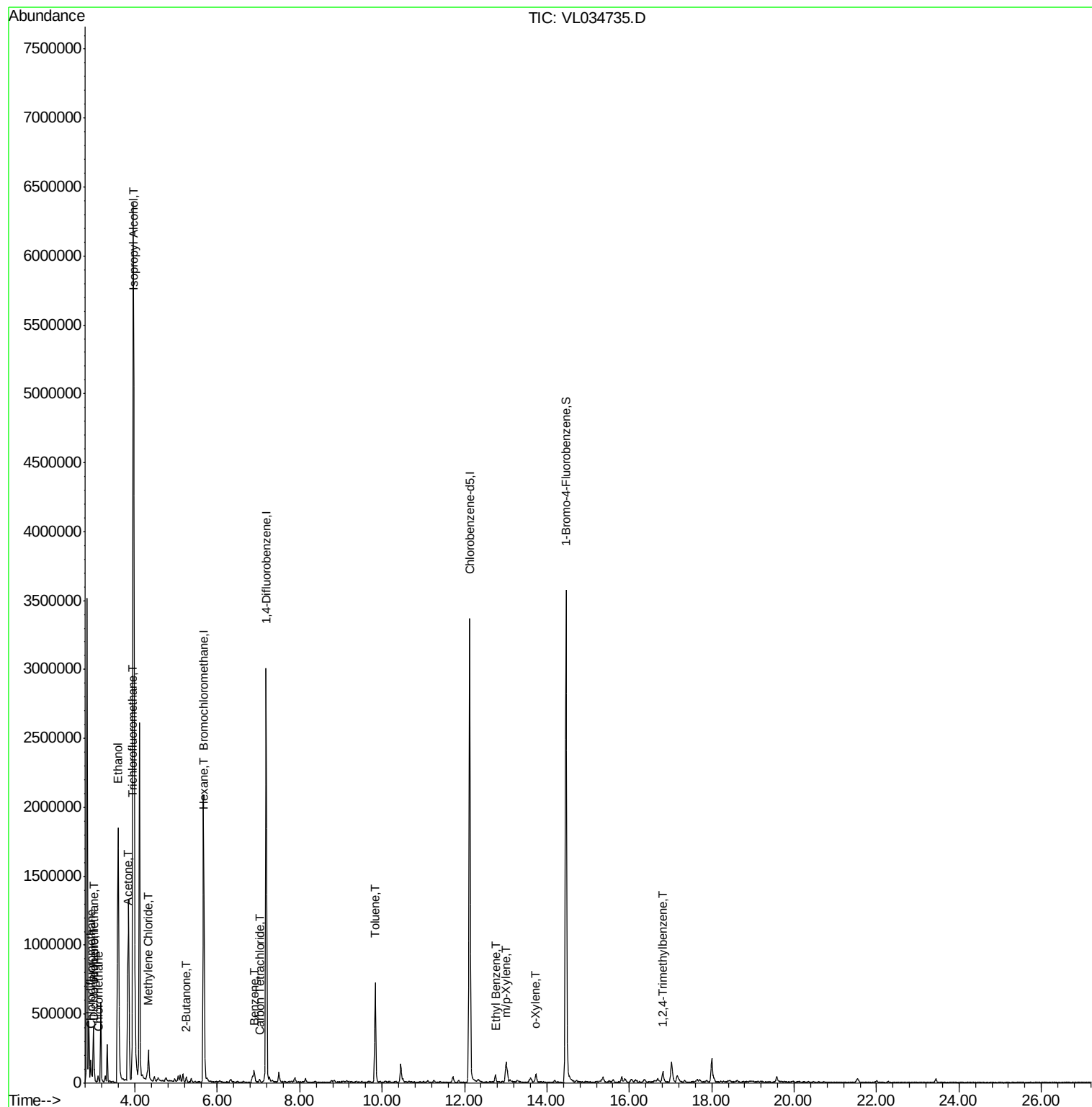
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022820\
Data File : VL034735.D
Acq On : 28 Feb 2020 13:28
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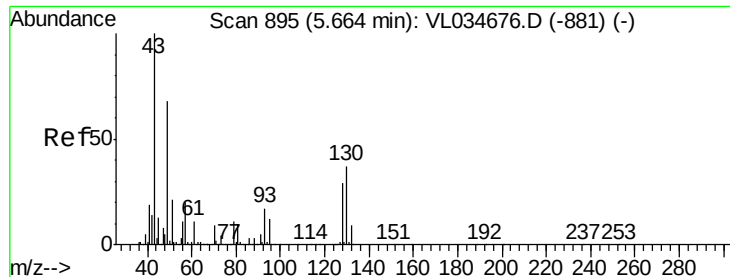
Instrument :
MSVOA_L
ClientSampleId :
IAS-7-PRE-K-TEACHERS-ROOM

Manual Integrations
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Quant Time: Mar 02 11:36:33 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: VL034735.D

Acq: 28 Feb 2020 13:28

Instrument :

MSVOA_L

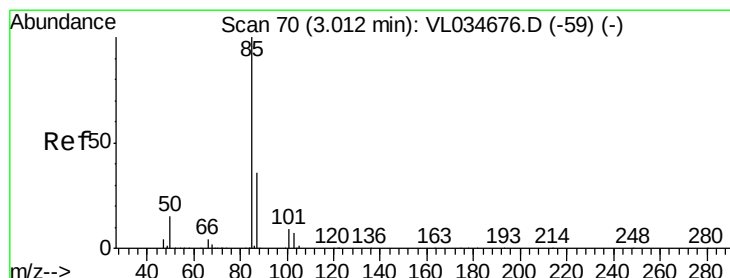
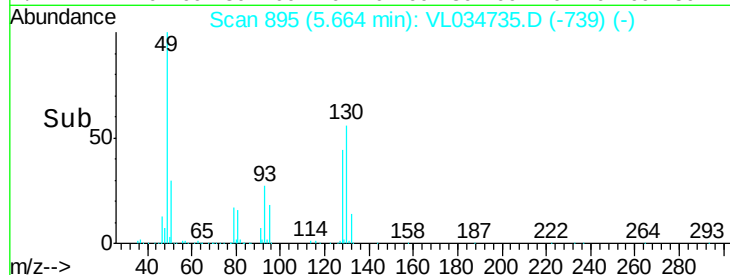
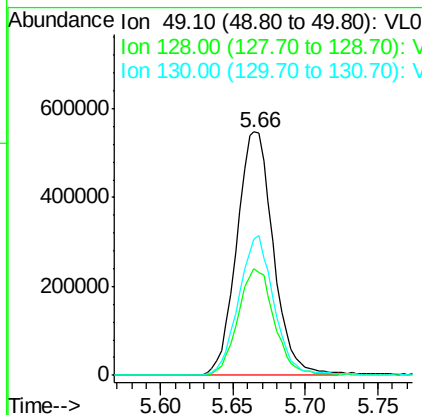
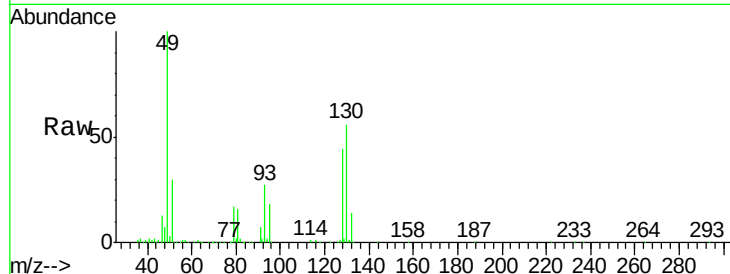
ClientSampleId :

IAS-7-PRE-K-TEACHERS-ROOM

Tot Ion:	49	Resp:	960123
Ion Ratio	Lower	Upper	
49	100		
128	43.7	21.6	65.0
130	55.6	27.7	83.1

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#2

Dichlorodifluoromethane

Concen: 0.315 ppbv

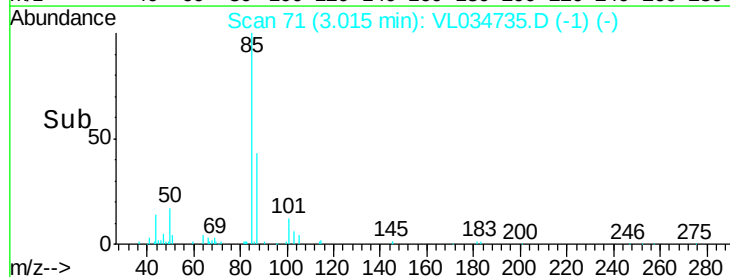
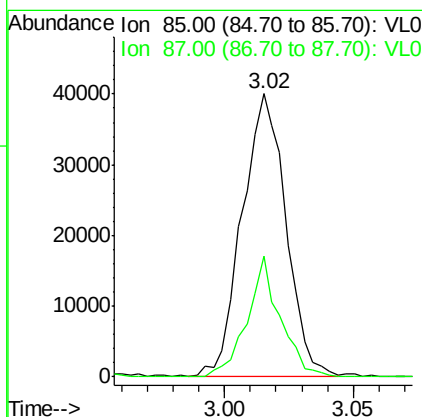
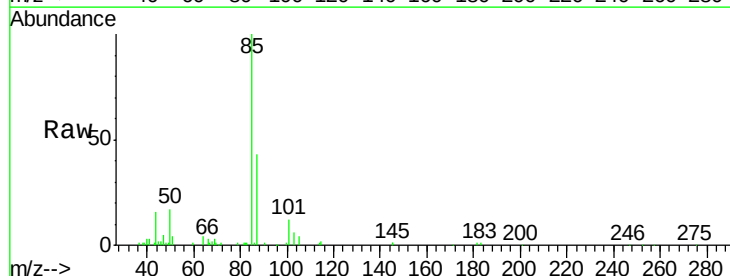
RT: 3.02 min Scan# 71

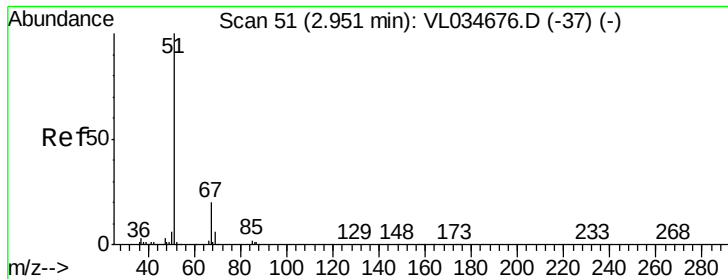
Delta R.T. 0.00 min

Lab File: VL034735.D

Acq: 28 Feb 2020 13:28

Tgt Ion:	85	Resp:	47692
Ion Ratio	Lower	Upper	
85	100		
87	42.7	29.2	43.8





#3

Chlorodifluoromethane

Concen: 0.263 ppbv m

RT: 2.95 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL034735.D

Acq: 28 Feb 2020 13:28

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-PRE-K-TEACHERS-ROOM

Tot Ion: 51 Resp: 27281

Ion Ratio Lower Upper

51 100

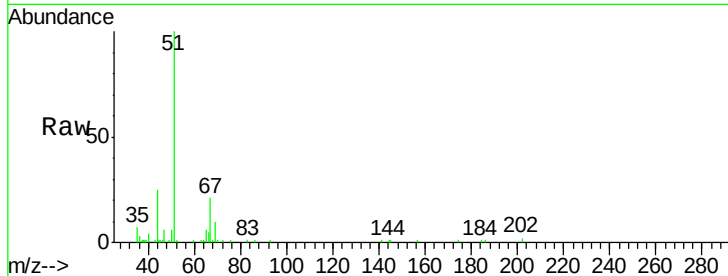
67 25.7 15.5 23.3#

Manual Integrations

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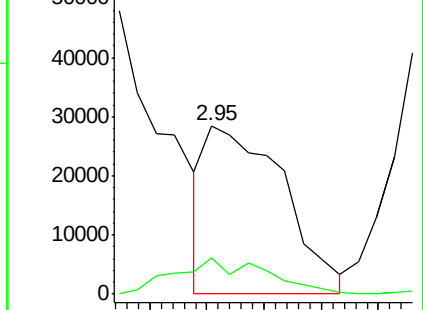
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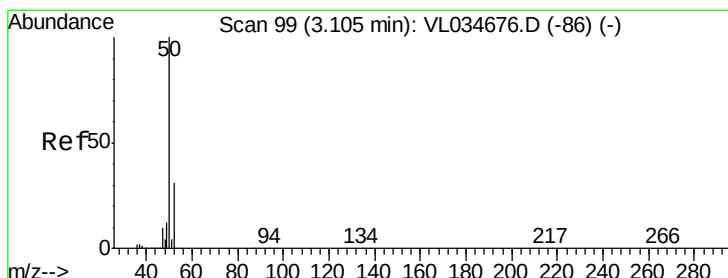
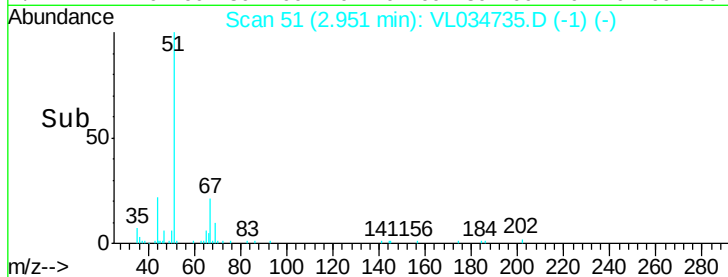


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 0.574 ppbv m

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034735.D

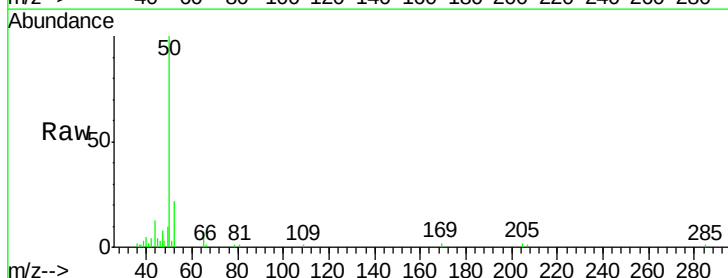
Acq: 28 Feb 2020 13:28

Tgt Ion: 50 Resp: 33309

Ion Ratio Lower Upper

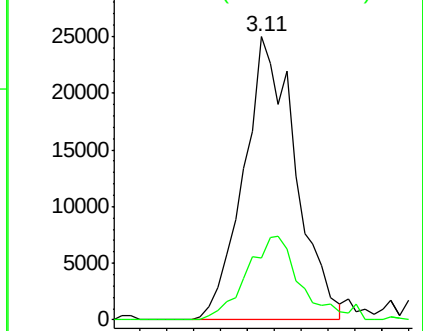
50 100

52 21.9 25.0 37.4#

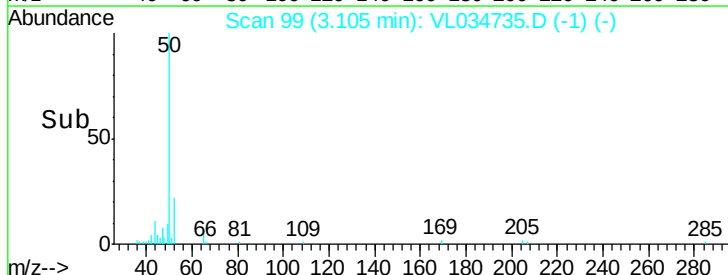


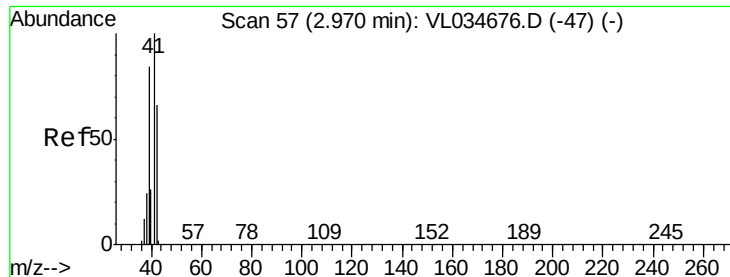
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#9

Propene

Concen: 1.025 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034735.D

Acq: 28 Feb 2020 13:28

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-PRE-K-TEACHERS-ROOM

Tot Ion: 41 Resp: 44389

Ion Ratio Lower Upper

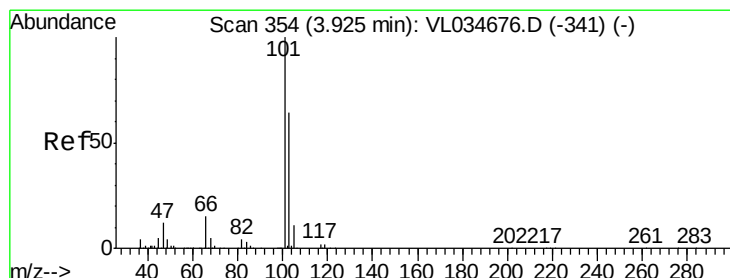
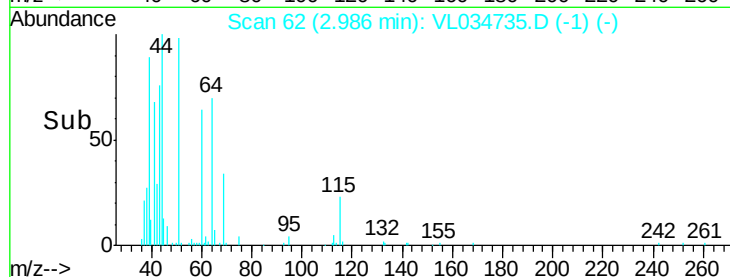
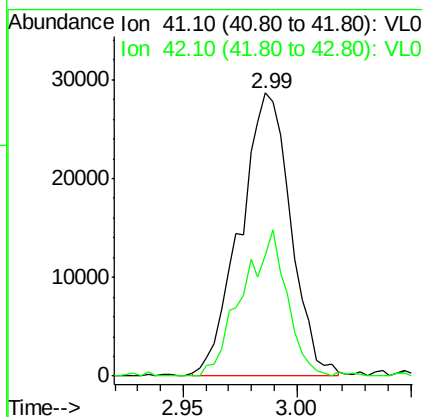
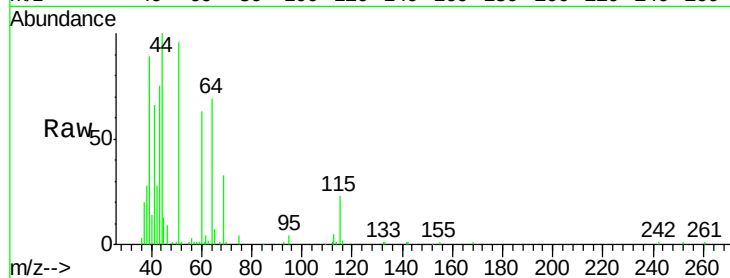
41 100

42 203.4 54.9 82.3#

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#11

Trichlorofluoromethane

Concen: 0.260 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL034735.D

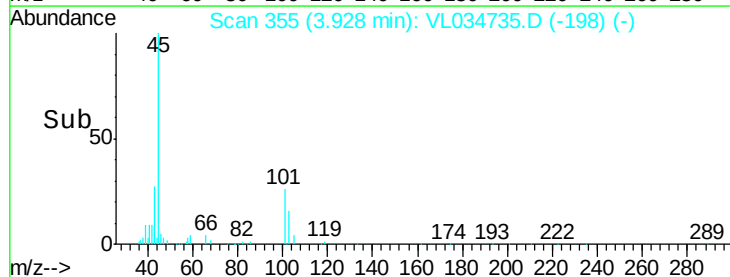
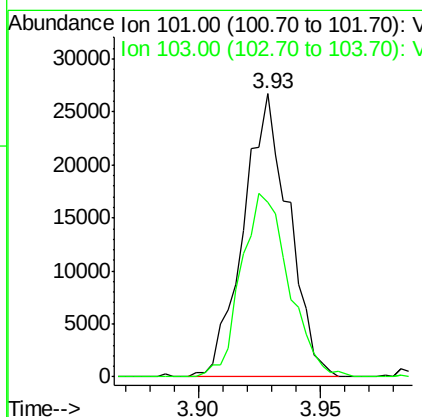
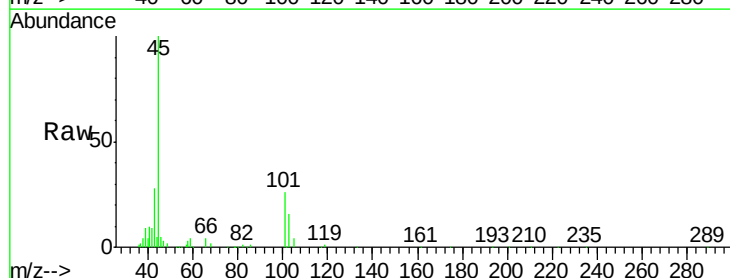
Acq: 28 Feb 2020 13:28

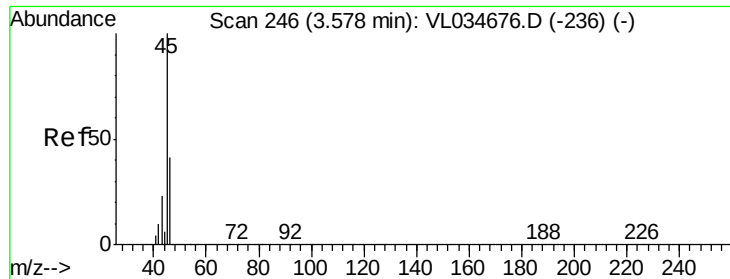
Tgt Ion: 101 Resp: 34512

Ion Ratio Lower Upper

101 100

103 61.7 51.2 76.8





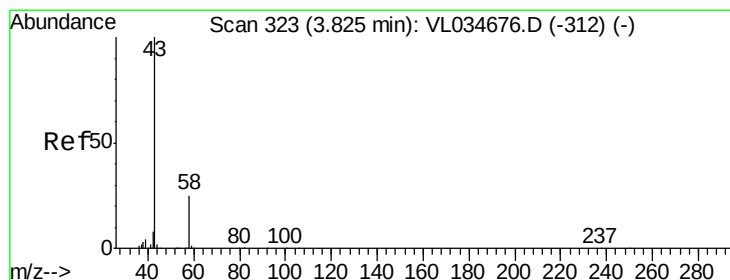
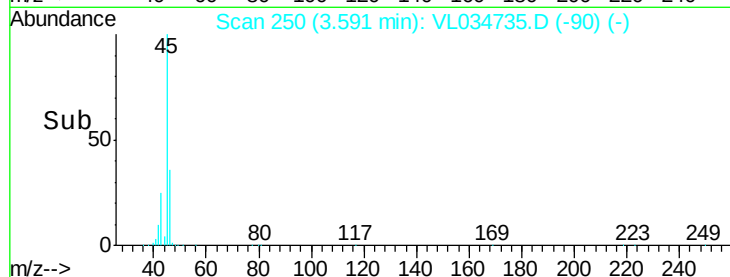
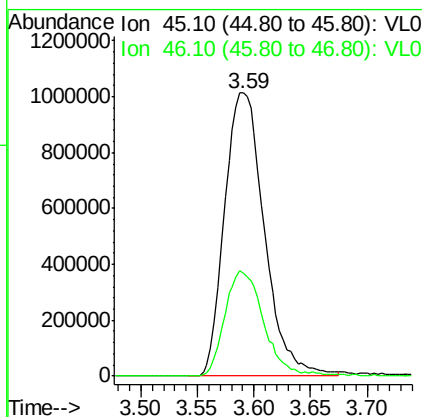
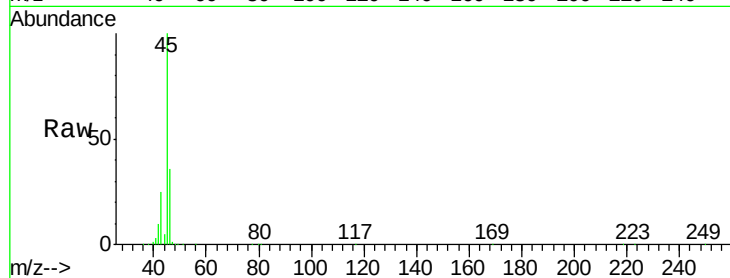
#13
Ethanol
Concen: 181.652 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.01 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

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

Tot Ion: 45 Resp: 2485478
Ion Ratio Lower Upper
45 100
46 36.8 15.4 61.4

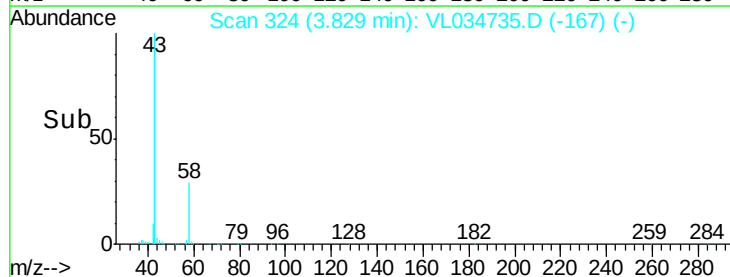
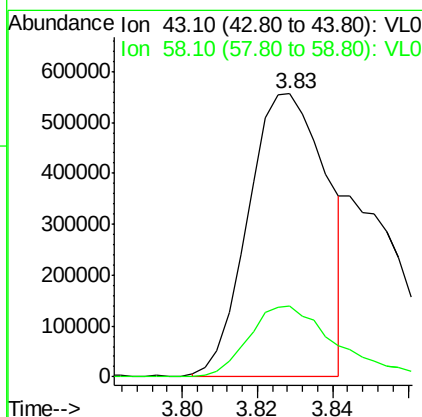
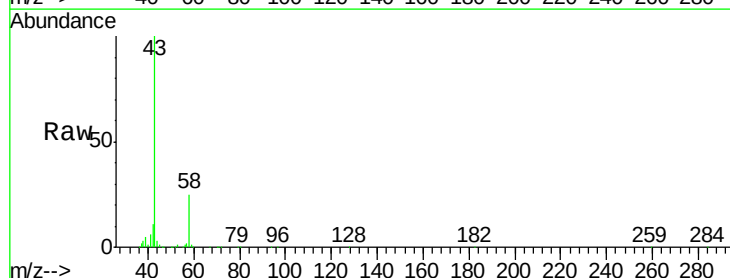
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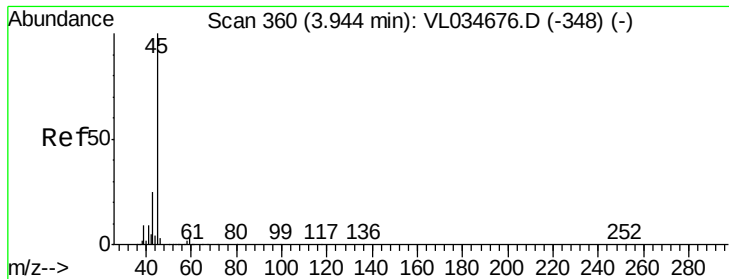
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#15
Acetone
Concen: 7.352 ppbv m
RT: 3.83 min Scan# 324
Delta R.T. 0.00 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

Tgt Ion: 43 Resp: 804410
Ion Ratio Lower Upper
43 100
58 28.2 21.4 32.0





#19

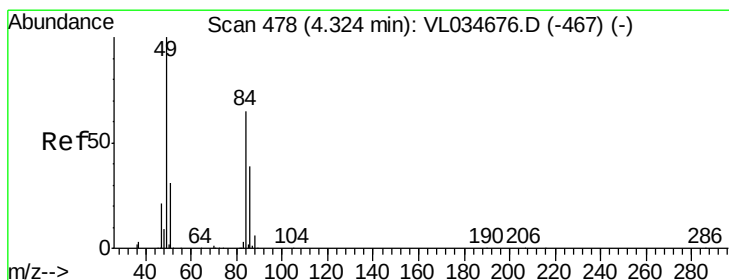
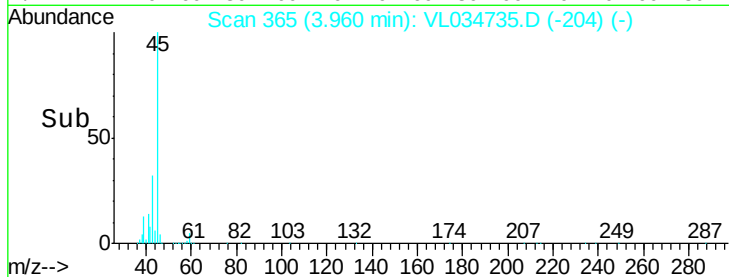
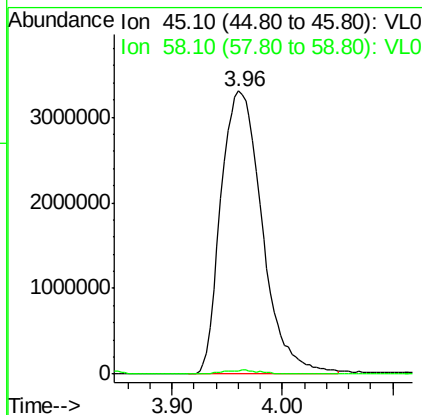
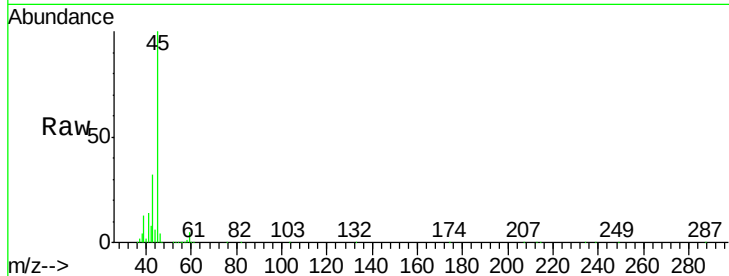
Isopropyl Alcohol
 Concen: 131.462 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL034735.D
 Acq: 28 Feb 2020 13:28

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

Tot Ion: 45 Resp: 8567078
 Ion Ratio Lower Upper
 45 100
 58 1.4 1.8 2.6#

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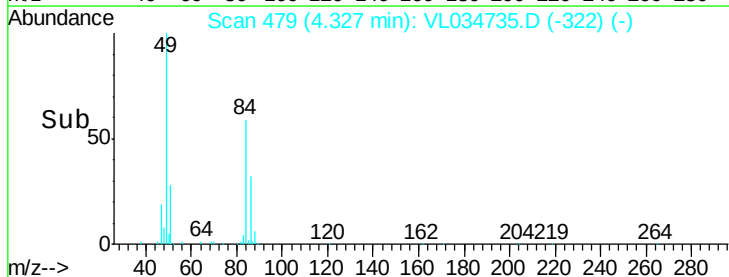
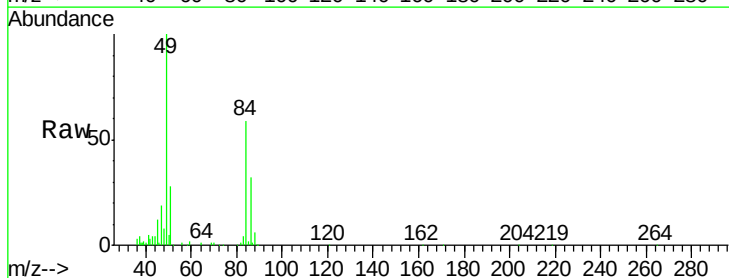
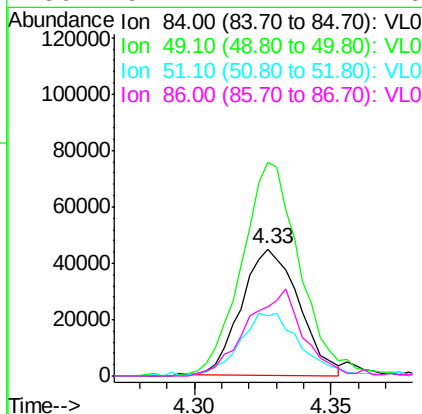
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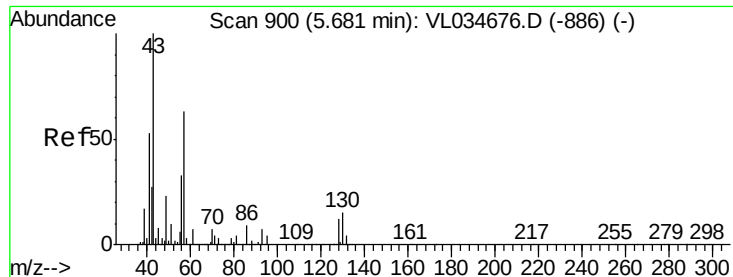


#20

Methylene Chloride
 Concen: 1.622 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL034735.D
 Acq: 28 Feb 2020 13:28

Tgt Ion: 84 Resp: 66018
 Ion Ratio Lower Upper
 84 100
 49 167.1 122.8 184.2
 51 46.8 38.6 58.0
 86 54.1 47.7 71.5





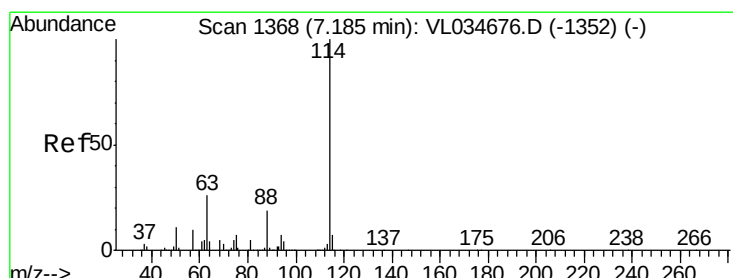
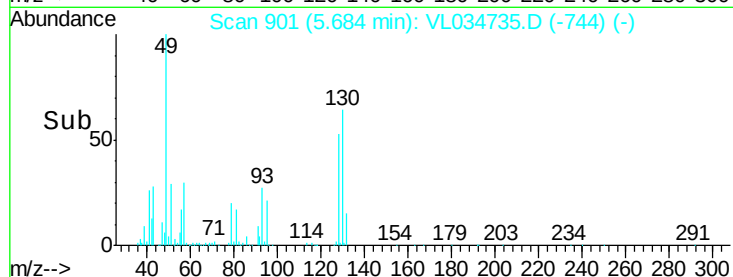
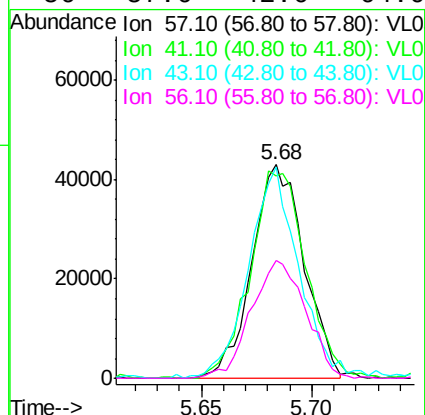
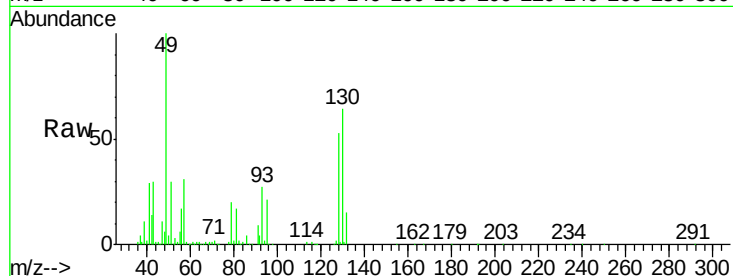
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Hexane
Concen: 0.789 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

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

Tot Ion	57	Resp	70418
Ion	Ratio	Lower	Upper
57	100		
41	104.4	70.3	105.5
43	96.9	177.0	265.4#
56	57.6	42.6	64.0

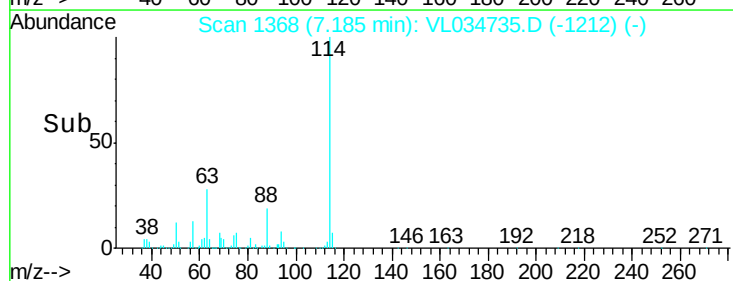
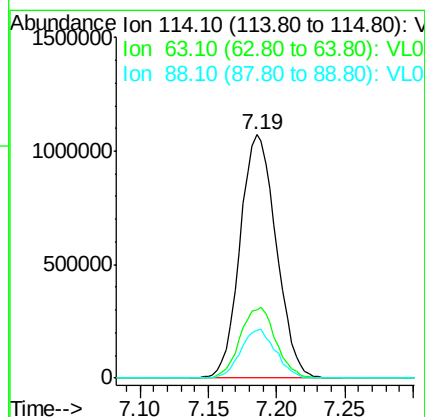
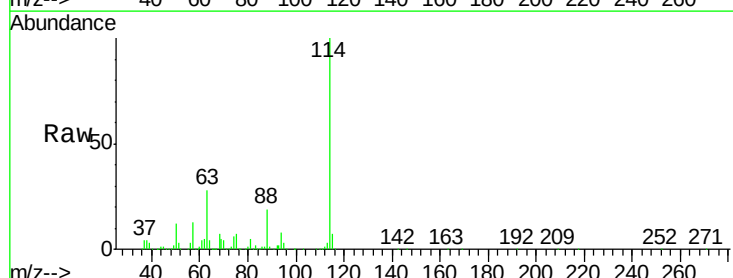
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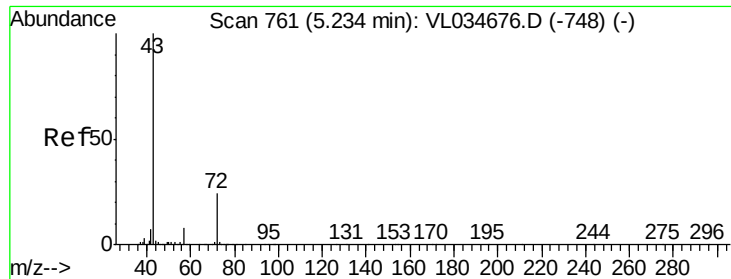
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

Tgt Ion	114	Resp	1975672
Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.9	34.3
88	19.3	15.8	23.6





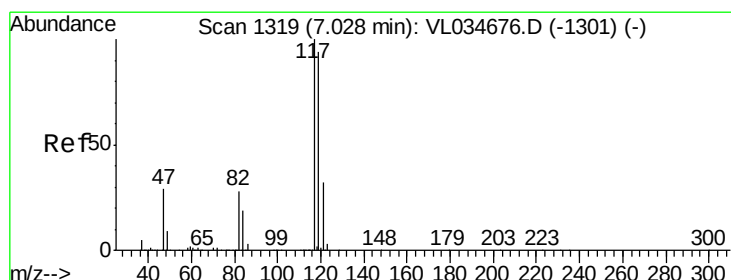
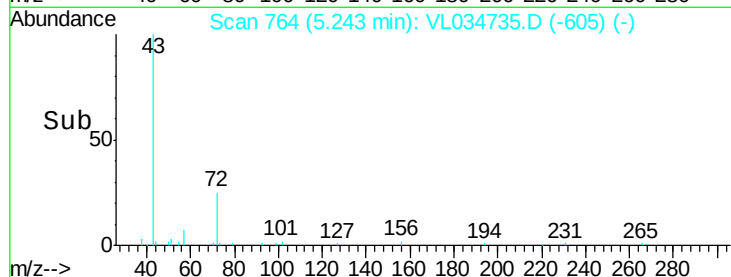
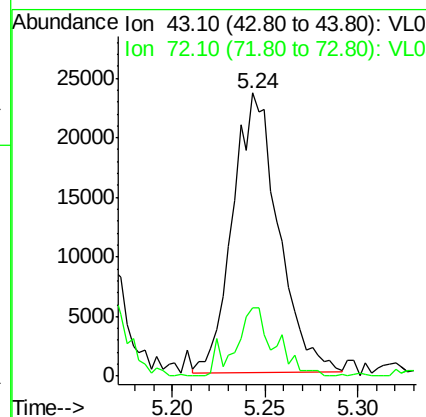
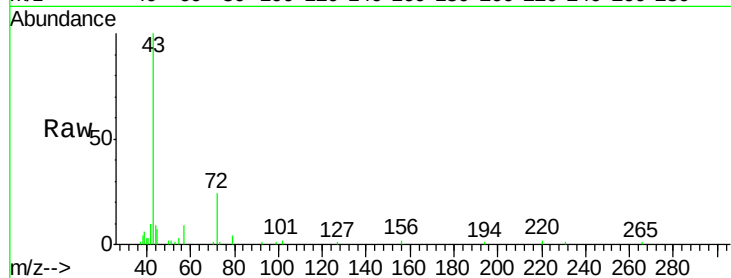
#34
2-Butanone
Concen: 0.321 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

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

Tot Ion	43	Resp	39959
Ion Ratio	Lower	Upper	
43	100		
72	21.3	18.2	27.2

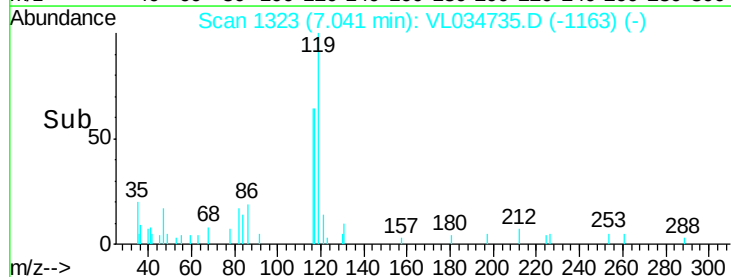
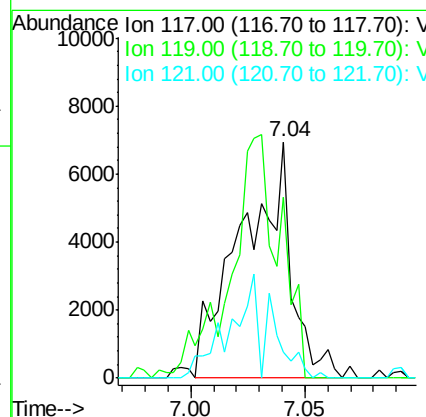
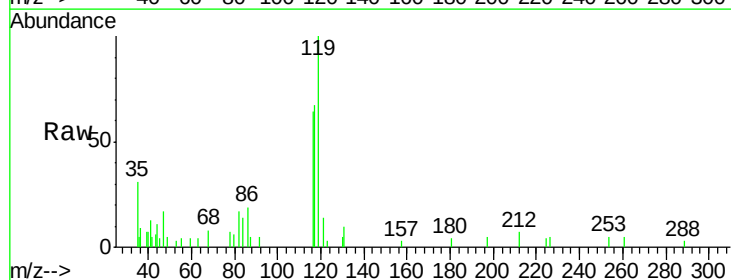
Manual Integrations
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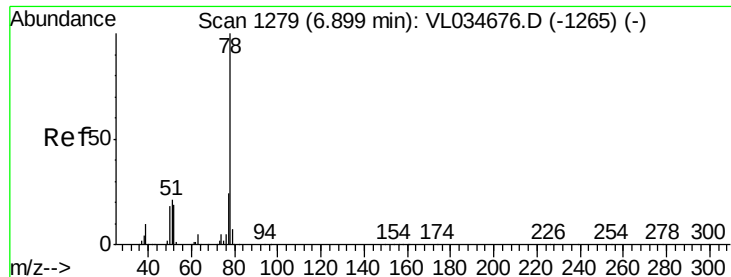
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#35
Carbon Tetrachloride
Concen: 0.080 ppbv m
RT: 7.04 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

Tgt Ion	117	Resp	10610
Ion Ratio	Lower	Upper	
117	100		
119	149.4	75.5	113.3#
121	21.4	25.4	38.0#





#36

Benzene

Concen: 0.310 ppbv m

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL034735.D

Acq: 28 Feb 2020 13:28

Instrument :

MSVOA_L

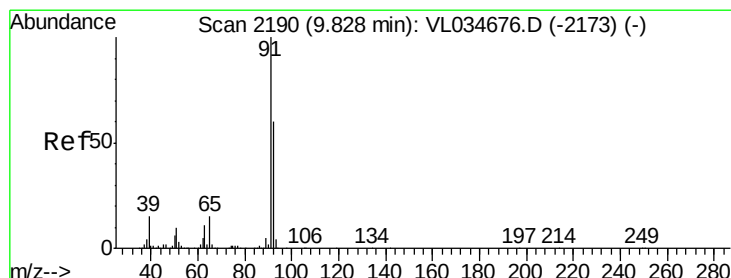
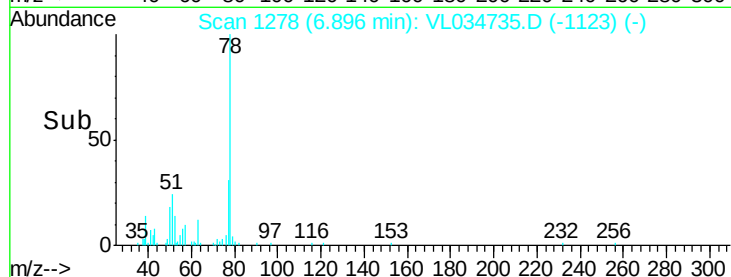
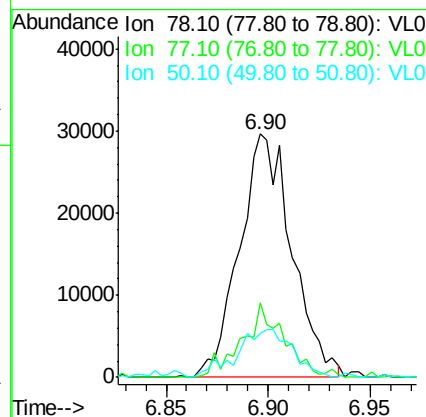
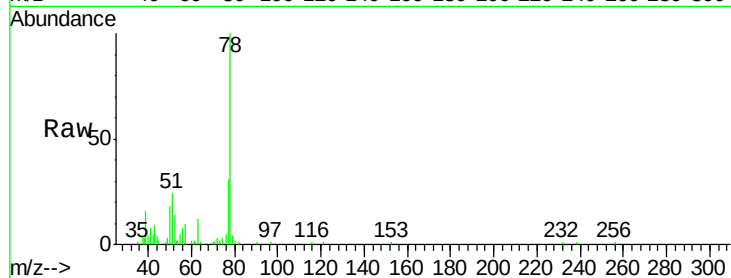
ClientSampleId :

IAS-7-PRE-K-TEACHERS-ROOM

Tot Ion:	78	Resp:	52929
Ion	Ratio	Lower	Upper
78	100		
77	30.9	19.5	29.3#
50	18.0	14.6	21.8

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#53

Toluene

Concen: 2.817 ppbv

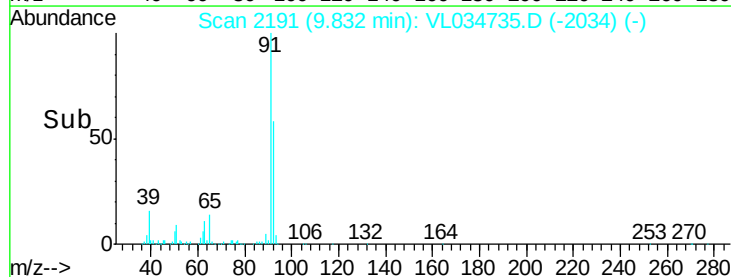
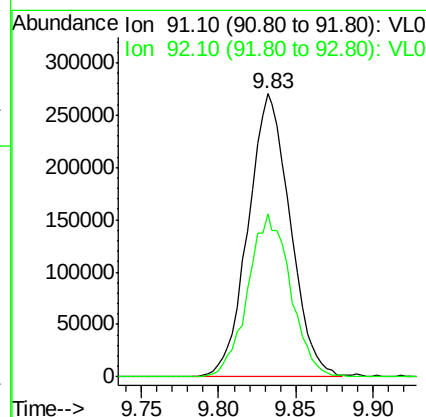
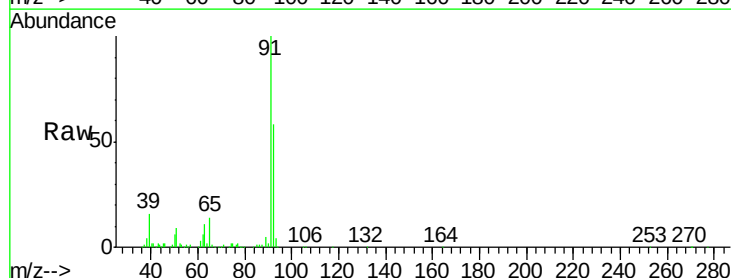
RT: 9.83 min Scan# 2191

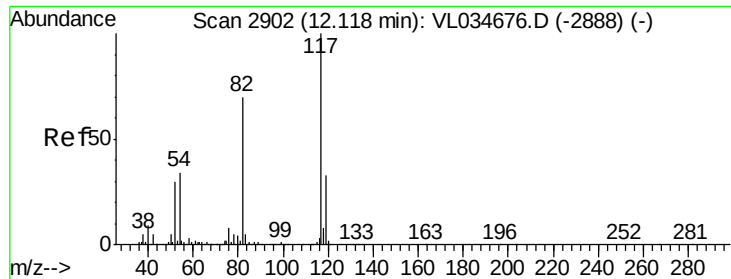
Delta R.T. 0.00 min

Lab File: VL034735.D

Acq: 28 Feb 2020 13:28

Tgt Ion:	91	Resp:	511297
Ion	Ratio	Lower	Upper
91	100		
92	58.2	48.5	72.7





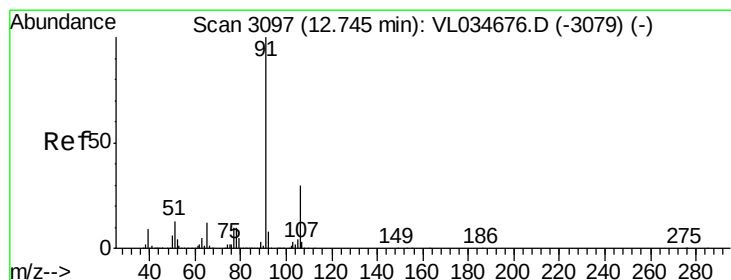
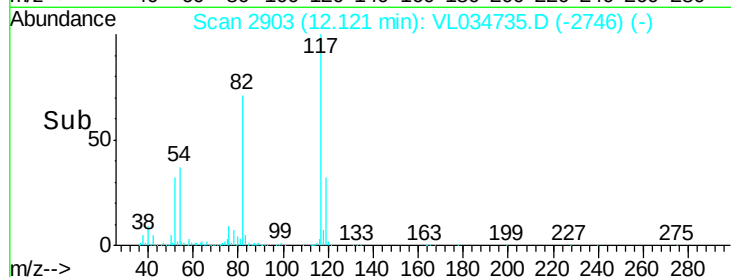
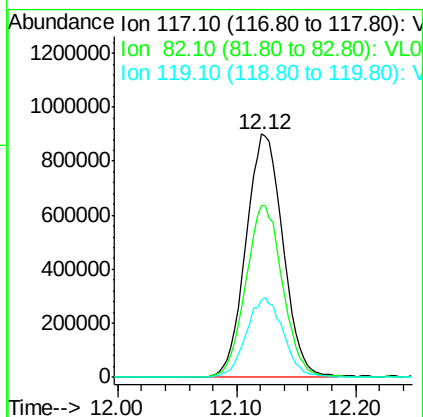
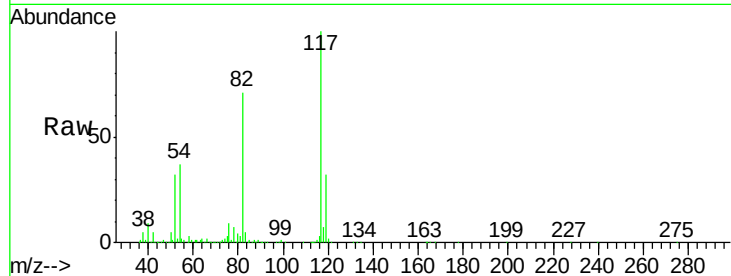
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.7	54.1	81.1
119	32.8	27.6	41.4

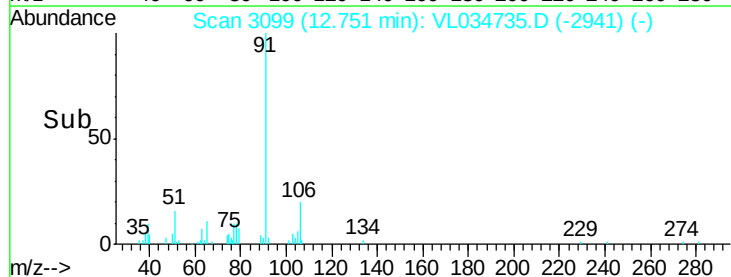
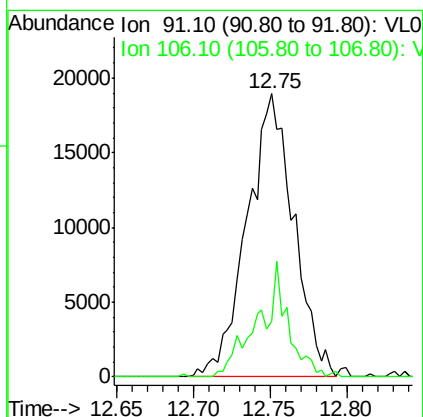
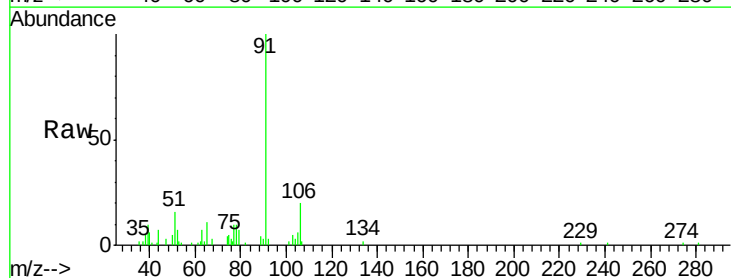
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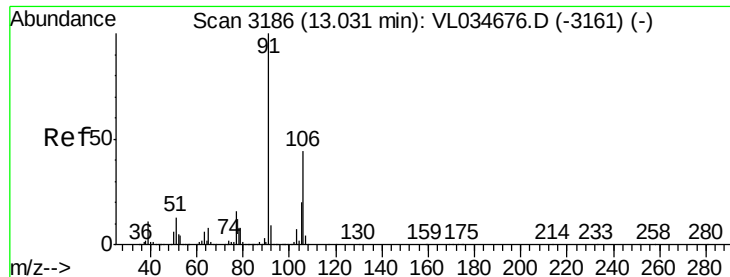
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#58
Ethyl Benzene
Concen: 0.170 ppbv m
RT: 12.75 min Scan# 3099
Delta R.T. 0.01 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	19.5	24.0	36.0#





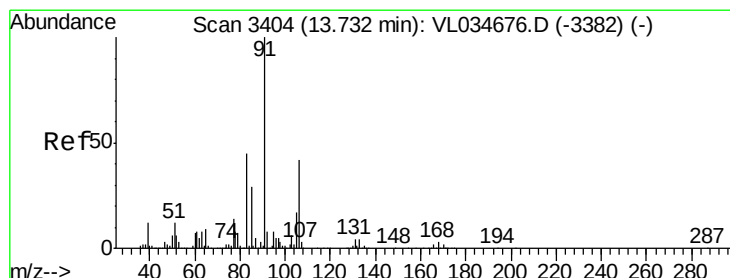
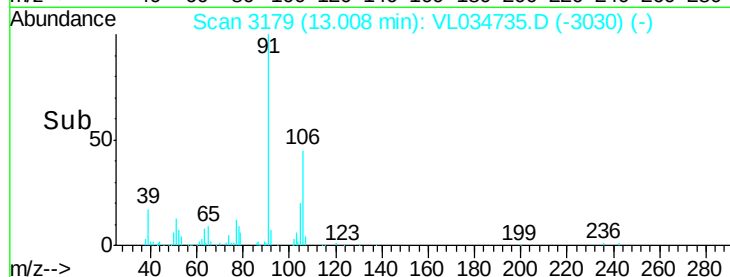
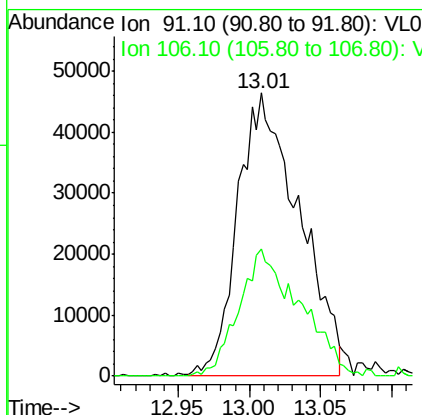
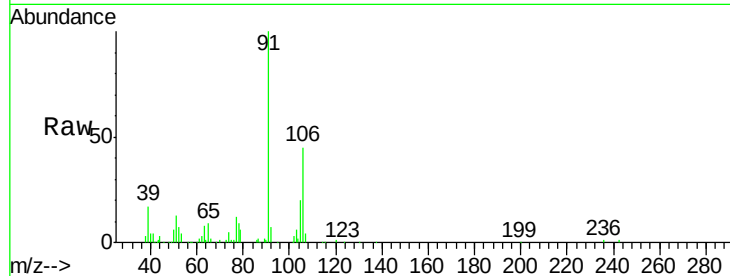
#59
m/p-Xylene
Concen: 0.675 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

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

Tot Ion: 91 Resp: 138126
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#

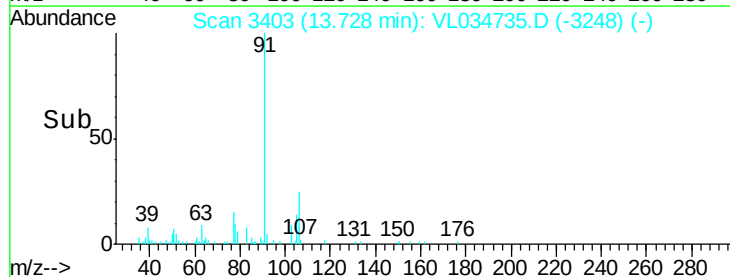
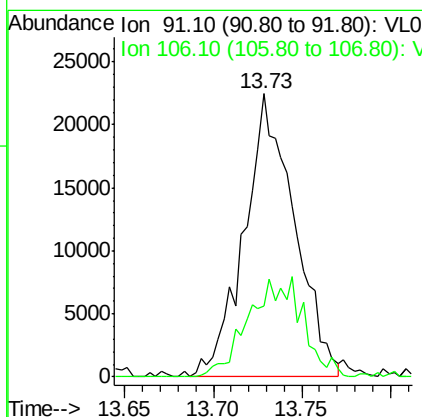
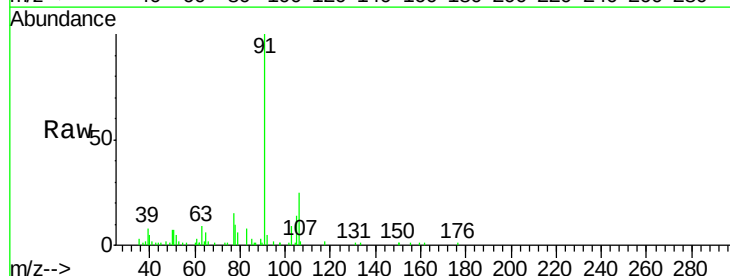
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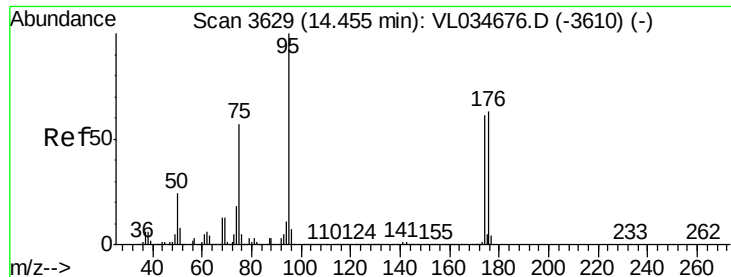
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#60
o-Xylene
Concen: 0.218 ppbv m
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034735.D
Acq: 28 Feb 2020 13:28

Tgt Ion: 91 Resp: 44342
Ion Ratio Lower Upper
91 100
106 38.3 21.9 65.5





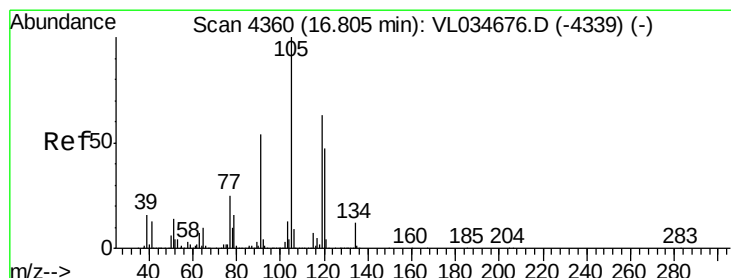
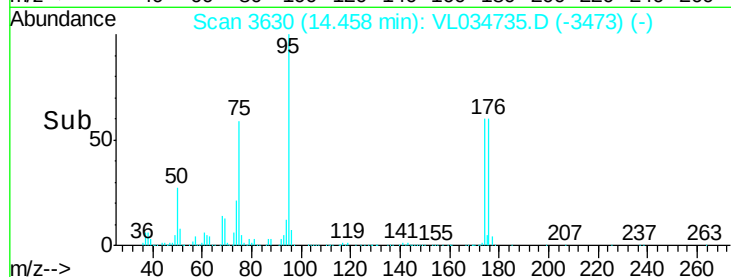
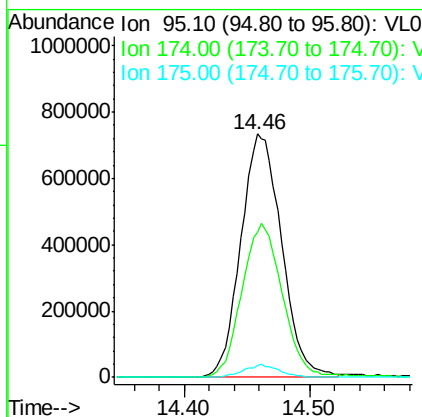
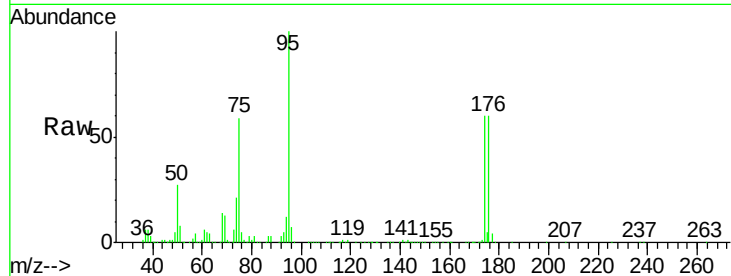
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.399 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034735.D
 Acq: 28 Feb 2020 13:28

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

Tot Ion: 95 Resp: 1652636
 Ion Ratio Lower Upper
 95 100
 174 63.6 50.7 76.1
 175 4.7 3.9 5.9

Manual Integrations
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.200 ppbv m
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: VL034735.D
 Acq: 28 Feb 2020 13:28

Tgt Ion: 105 Resp: 48076
 Ion Ratio Lower Upper
 105 100
 120 36.1 37.9 56.9#
 91 14.6 43.9 65.9#
 77 24.8 20.3 30.5

