

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035214.D
 Acq On : 21 Jul 2020 16:38
 Operator : SY/AP
 Sample : L3290-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOM

Quant Time: Jul 22 00:48:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1044797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2567457	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2382339	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1987056	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	39982	0.273	ppbv	90
3) Chlorodifluoromethane	2.95	51	55803	0.484	ppbv	93
4) Chloromethane	3.10	50	39623	0.609	ppbv	97
5) Vinyl Chloride	3.21	62	2310	0.033	ppbv #	60
6) Bromomethane	3.43	94	1227	0.031	ppbv #	52
7) Chloroethane	3.52	64	1985	0.081	ppbv #	70
8) Dichlorotetrafluoroethane	3.15	85	8820	0.055	ppbv	90
9) Propene	2.98	41	34779	0.797	ppbv #	79
10) Heptane	8.14	43	5675	0.051	ppbv #	1
11) Trichlorofluoromethane	3.92	101	55192	0.334	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	14860	0.128	ppbv #	76
13) Ethanol	3.57	45	763499	54.984	ppbv	93
14) Bromoethene	3.71	108	2909	0.061	ppbv #	63
15) Acetone	3.82	43	1174957	8.307	ppbv	98
16) 1,3-Butadiene	3.29	39	2933	0.054	ppbv #	1
17) tert-Butyl alcohol	4.27	59	7033	0.056	ppbv #	72
18) 1,1-Dichloroethene	4.26	96	2061	0.040	ppbv #	1
19) Isopropyl Alcohol	3.94	45	650633	7.625	ppbv #	98
20) Methylene Chloride	4.32	84	249228	4.049	ppbv	96
21) Allyl Chloride	4.39	41	5354	0.065	ppbv #	55
23) Vinyl Acetate	5.04	43	96978	0.633	ppbv #	79
24) 1,1-Dichloroethane	4.99	63	7274	0.055	ppbv #	87
25) Ethyl Acetate	5.67	43	63758	0.290	ppbv #	90
26) Hexane	5.68	57	131496	1.359	ppbv #	47
27) Carbon Disulfide	4.53	76	29595	0.219	ppbv #	73
28) Methyl tert-Butyl Ether	5.02	73	8354	0.057	ppbv	92
29) Chloroform	5.74	83	25638	0.158	ppbv	92
30) Cyclohexane	7.14	84	3338	0.047	ppbv #	1
32) 1,1,1-Trichloroethane	6.51	97	6059	0.037	ppbv #	25
34) 2-Butanone	5.24	43	77232	0.564	ppbv	93
35) Carbon Tetrachloride	7.01	117	7881	0.047	ppbv #	79
36) Benzene	6.89	78	21493	0.116	ppbv #	82
37) 1,2-Dichloroethane	6.30	62	5125	0.041	ppbv	100
39) 1,2-Dichloropropane	7.17	63	688360	9.315	ppbv #	23
41) Tetrahydrofuran	6.03	42	2199	0.032	ppbv #	35
42) Bromodichloromethane	7.80	83	6623	0.040	ppbv #	78
44) 2,2,4-Trimethylpentane	7.87	57	12290	0.038	ppbv #	1
48) Dibromochloromethane	10.32	129	4875	0.037	ppbv #	11
52) Tetrachloroethene	11.24	164	8745	0.126	ppbv #	83
53) Toluene	9.82	91	340894	1.738	ppbv	99
57) Chlorobenzene	12.17	112	11325	0.064	ppbv #	68

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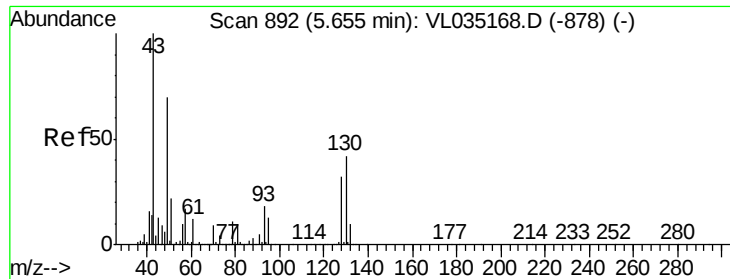
Instrument :
 MSVOA_L
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Quant Time: Jul 22 00:48:03 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

58) Ethyl Benzene	13.03	91	19753	0.075	ppbv	92
59) m/p-Xylene	13.03	91	19753	0.084	ppbv #	31
60) o-Xylene	13.72	91	7531	0.032	ppbv #	1
62) Isopropylbenzene	14.70	105	10929	0.031	ppbv #	78
64) n-propylbenzene	15.60	120	3299	0.037	ppbv #	1
69) p-Isopropyltoluene	17.69	119	11606	0.033	ppbv #	44
73) 1,3,5-Trimethylbenzene	16.03	105	12828	0.050	ppbv	91
74) 1,2,4-Trimethylbenzene	16.80	105	39922	0.142	ppbv #	60
75) 1,3-Dichlorobenzene	17.04	146	5526	0.031	ppbv #	1
80) Naphthalene, 2-methyl-	25.01	142	4154	0.097	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	3915	0.034	ppbv #	18

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL035214.D

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ClientSampleId :

1ST-FLOOR-EAST-CLASSROOM

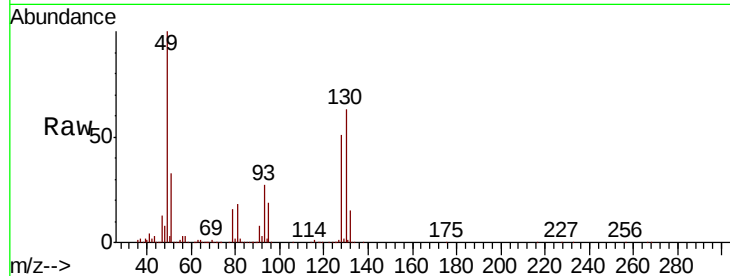
Tot Ion: 49 Resp: 1044797

Ion Ratio Lower Upper

49 100

128 49.2 23.8 71.4

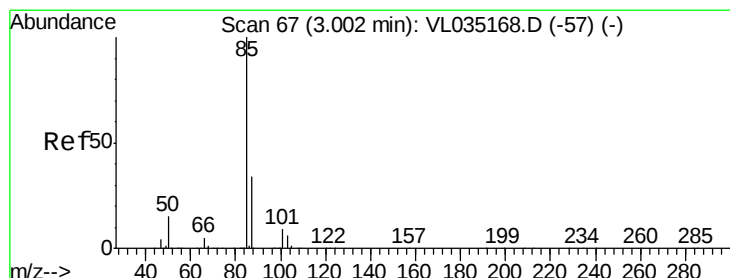
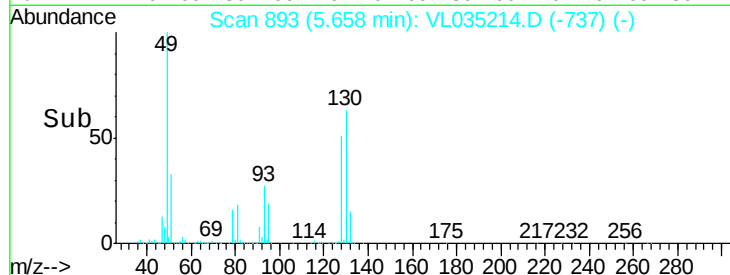
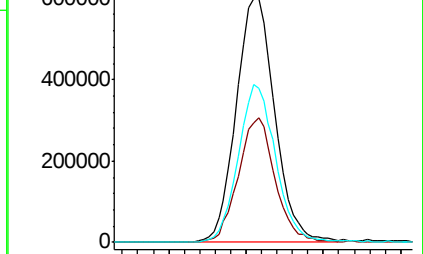
130 63.2 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.273 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035214.D

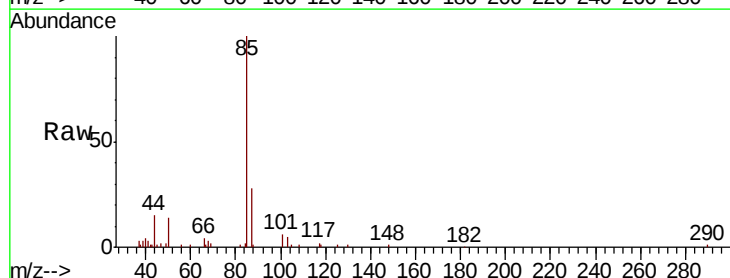
Acq: 21 Jul 2020 16:38

Tgt Ion: 85 Resp: 39982

Ion Ratio Lower Upper

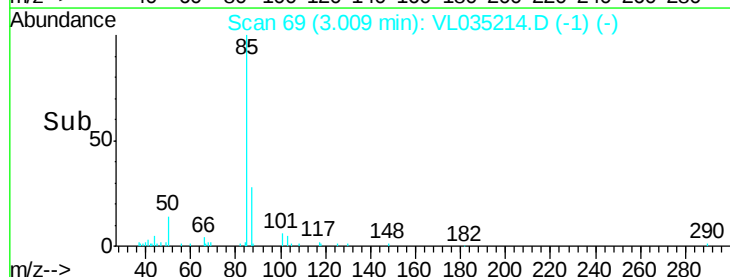
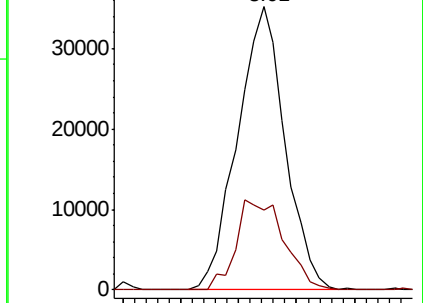
85 100

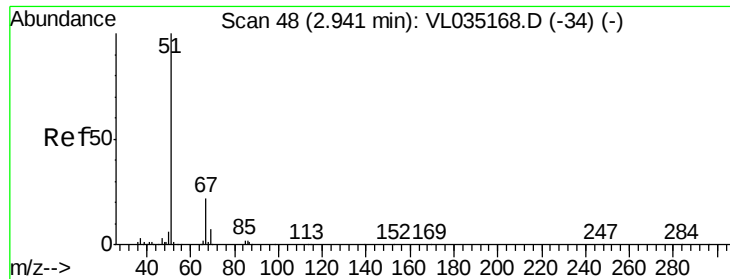
87 28.2 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.484 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

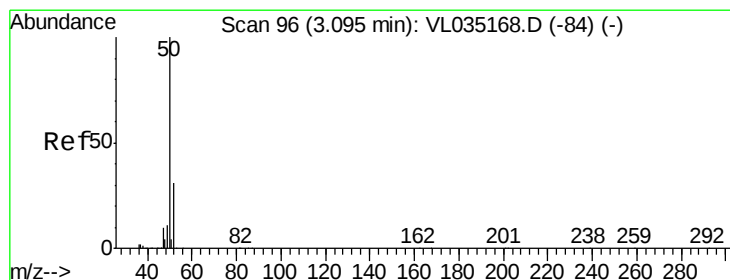
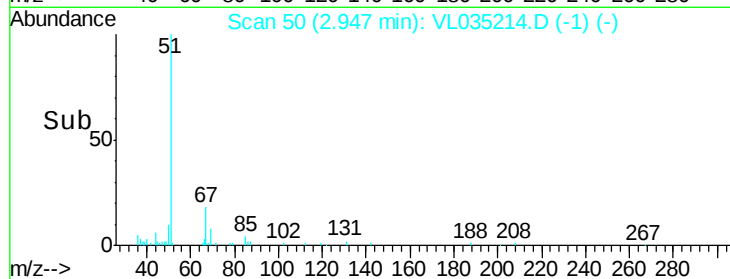
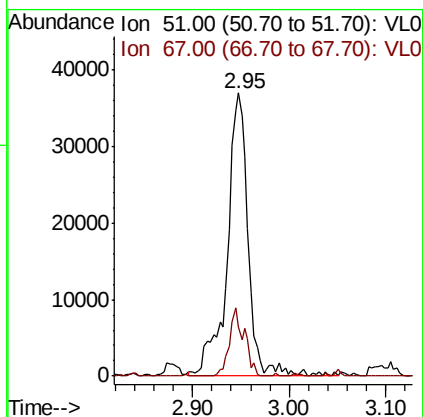
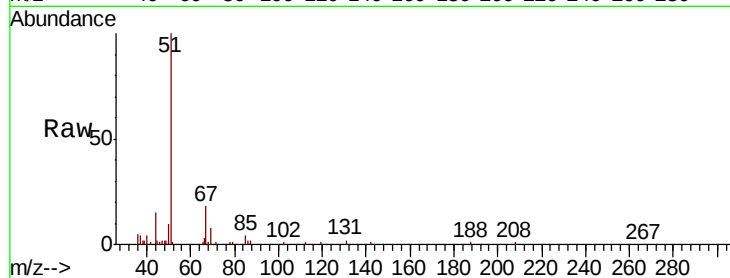
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 51 Resp: 55803

Ion Ratio Lower Upper

51 100

67 17.3 16.6 24.8



#4

Chloromethane

Concen: 0.609 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.01 min

Lab File: VL035214.D

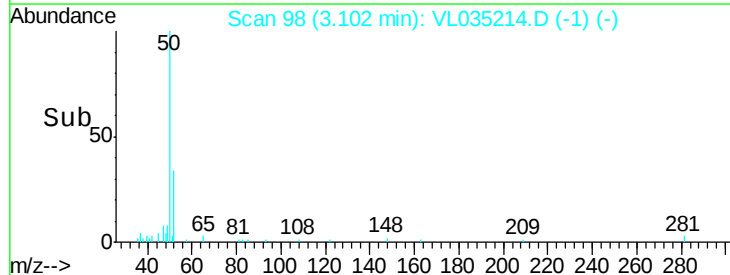
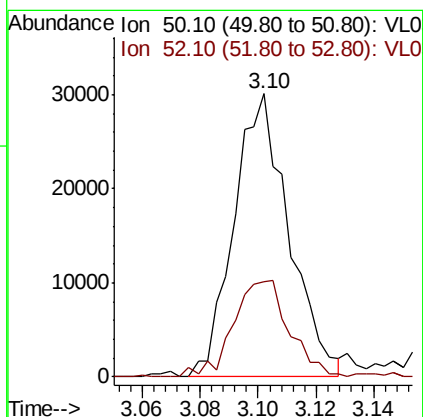
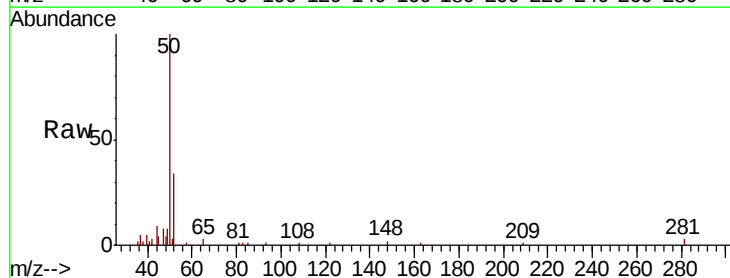
Acq: 21 Jul 2020 16:38

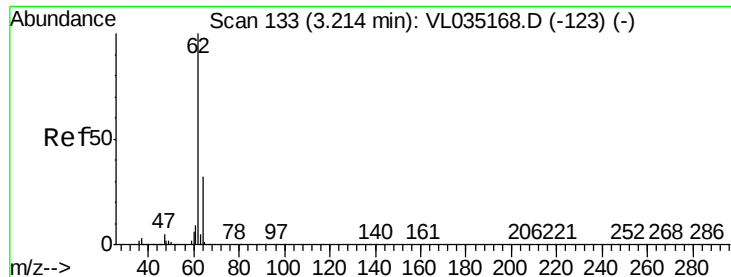
Tgt Ion: 50 Resp: 39623

Ion Ratio Lower Upper

50 100

52 32.8 25.0 37.6





#5

Vinyl Chloride

Concen: 0.033 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

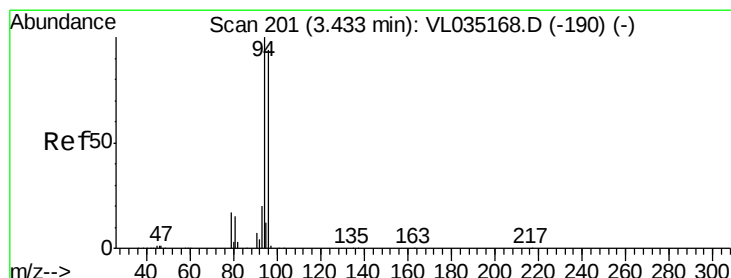
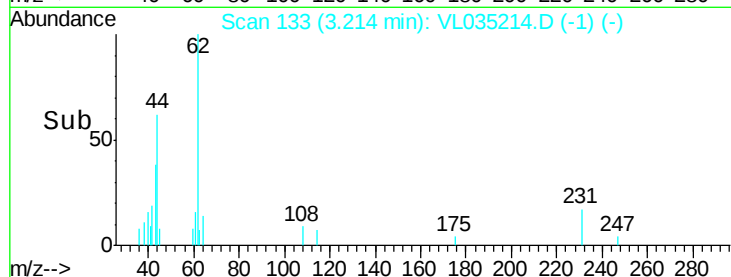
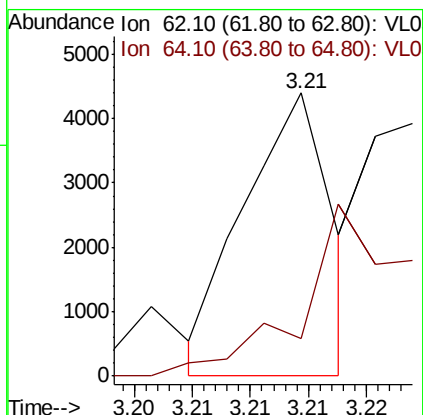
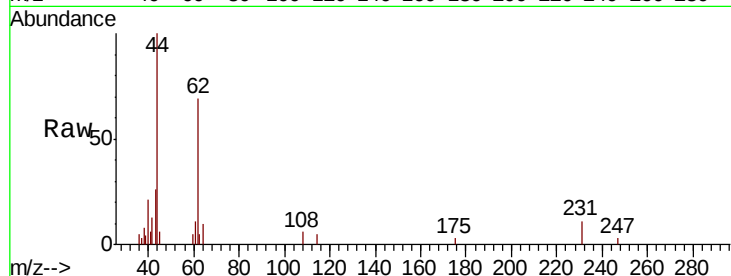
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 62 Resp: 2310

Ion Ratio Lower Upper

62 100

64 9.7 25.9 38.9#



#6

Bromomethane

Concen: 0.031 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035214.D

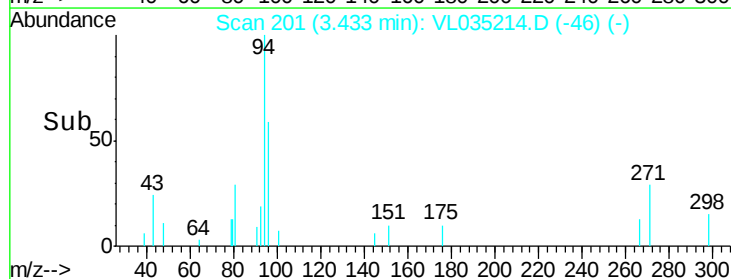
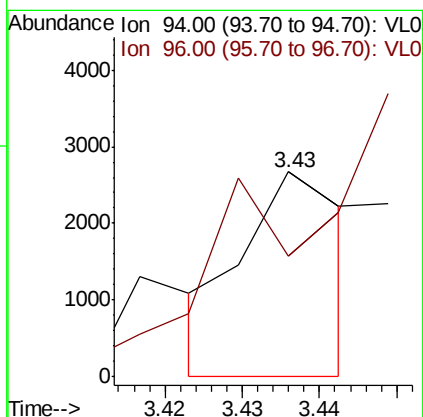
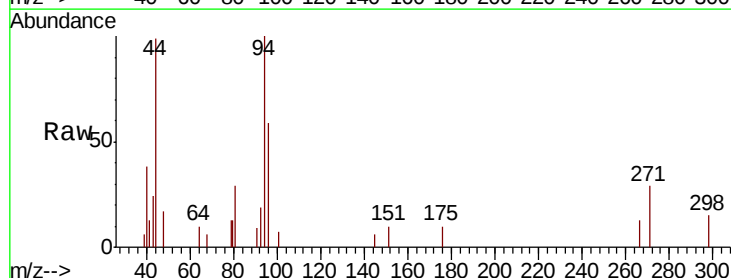
Acq: 21 Jul 2020 16:38

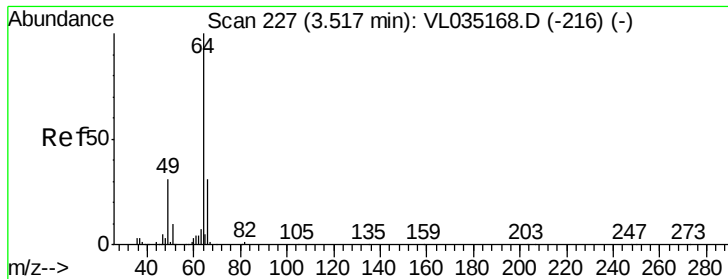
Tgt Ion: 94 Resp: 1227

Ion Ratio Lower Upper

94 100

96 47.0 74.8 112.2#





#7

Chloroethane

Concen: 0.081 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

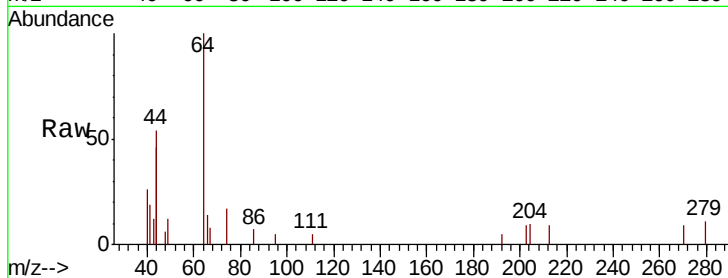
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 64 Resp: 1985

Ion Ratio Lower Upper

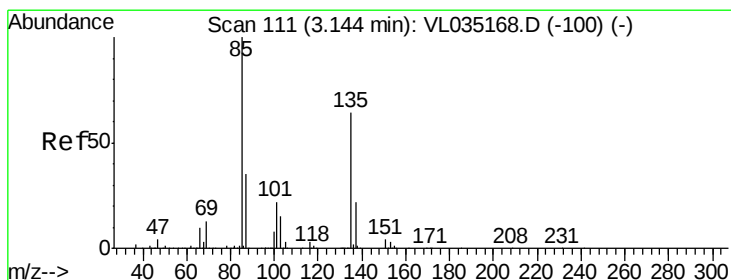
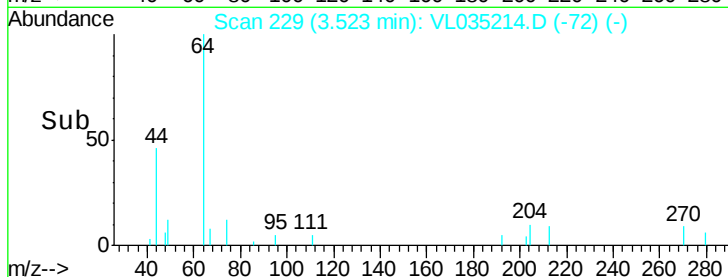
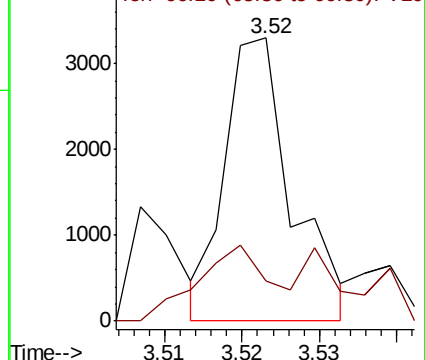
64 100

66 14.4 24.6 36.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.055 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035214.D

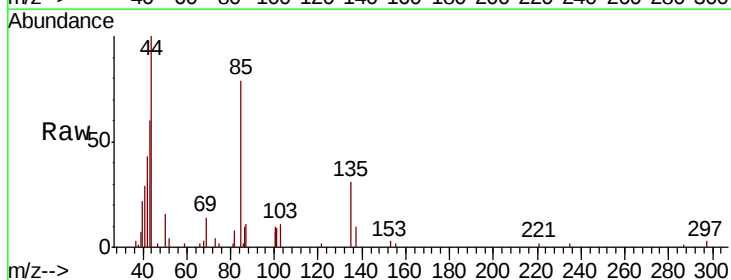
Acq: 21 Jul 2020 16:38

Tgt Ion: 85 Resp: 8820

Ion Ratio Lower Upper

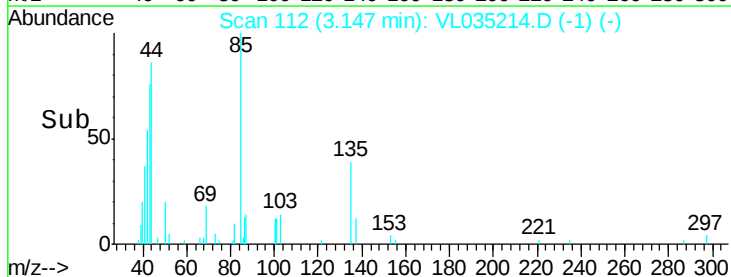
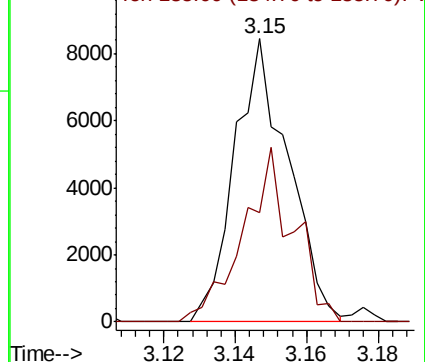
85 100

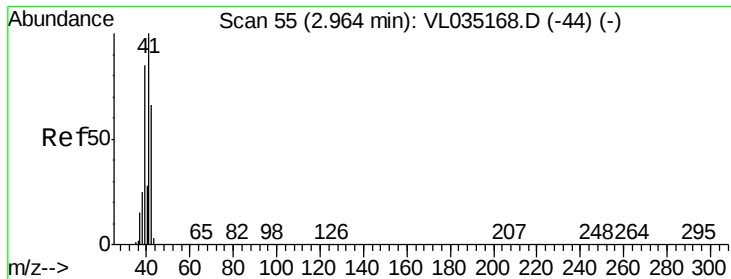
135 57.2 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.797 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.02 min

Lab File: VL035214.D

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Instrument :

MSVOA_L

ClientSampleId :

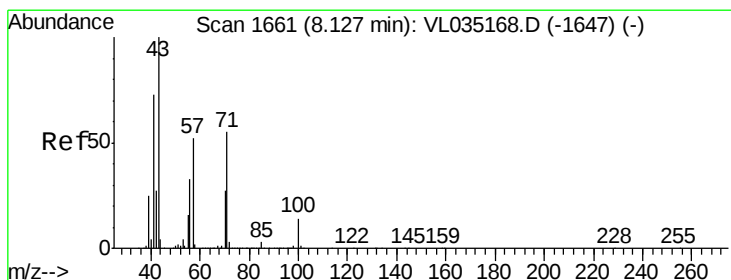
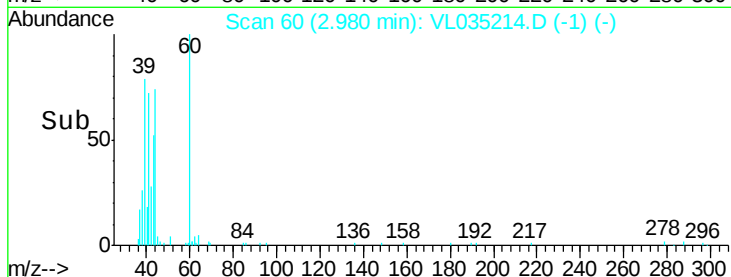
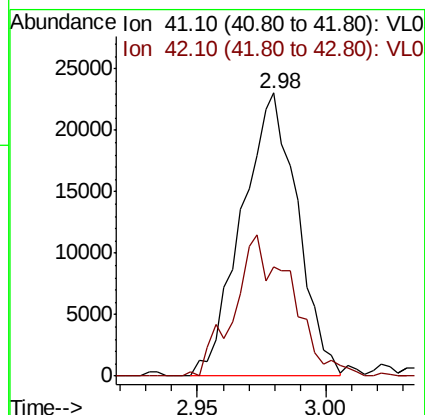
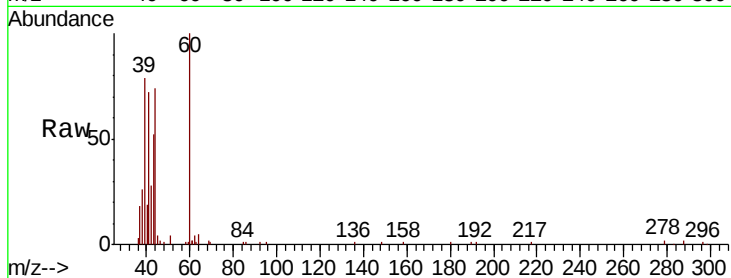
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 41 Resp: 34779

Ion Ratio Lower Upper

41 100

42 51.6 54.6 81.8#



#10

Heptane

Concen: 0.051 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035214.D

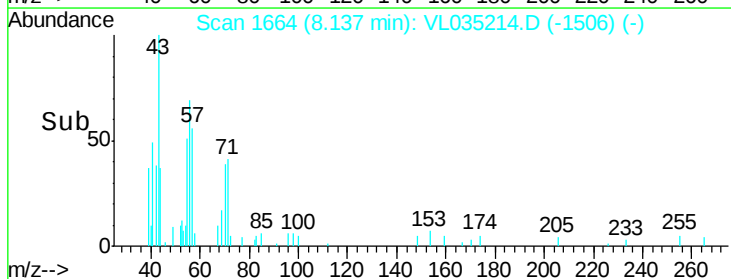
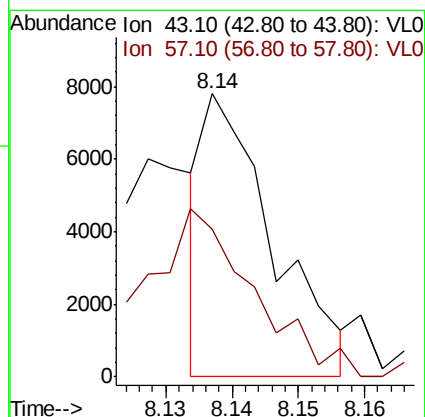
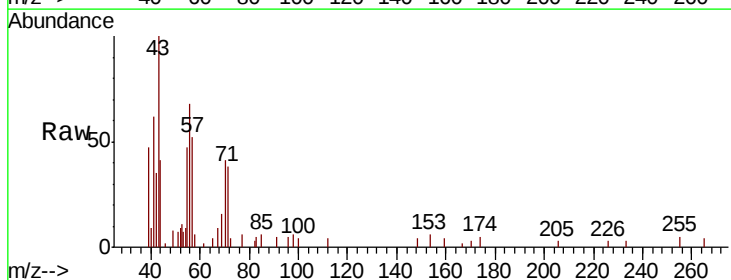
Acq: 21 Jul 2020 16:38

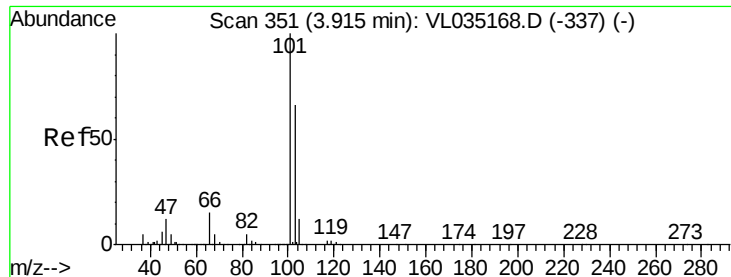
Tgt Ion: 43 Resp: 5675

Ion Ratio Lower Upper

43 100

57 140.6 41.8 62.6#





#11

Trichlorofluoromethane

Concen: 0.334 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

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ClientSampleId :

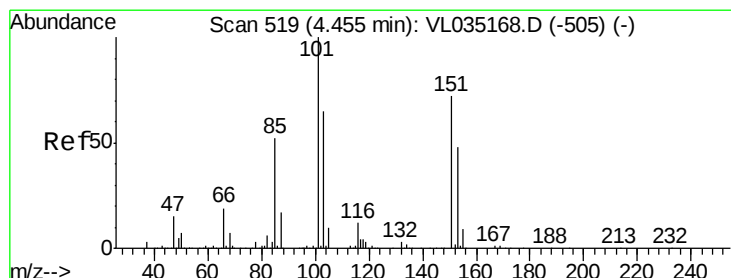
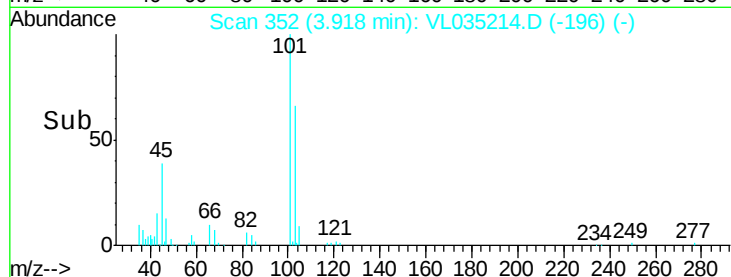
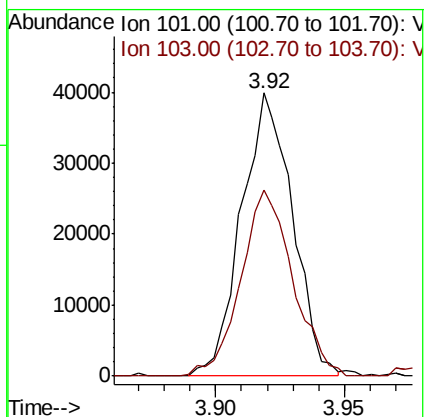
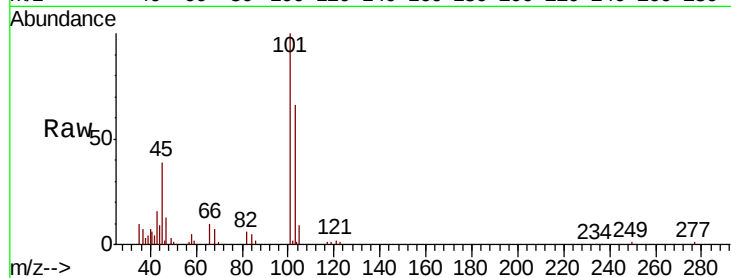
1ST-FLOOR-EAST-CLASSROOM

Tot Ion:101 Resp: 55192

Ion Ratio Lower Upper

101 100

103 66.3 53.1 79.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.128 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.01 min

Lab File: VL035214.D

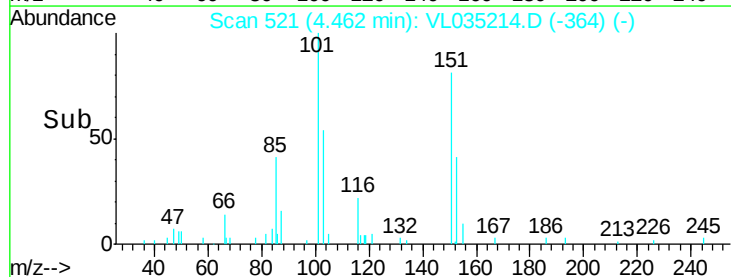
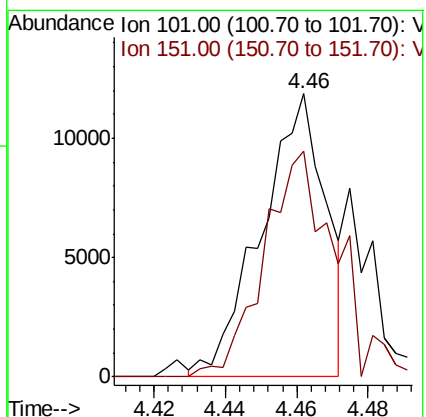
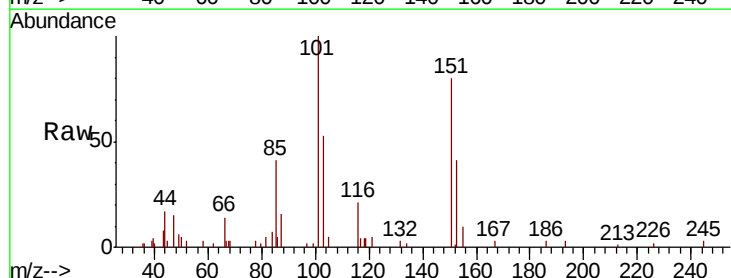
Acq: 21 Jul 2020 16:38

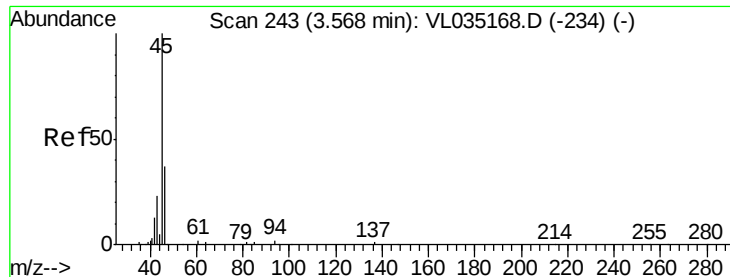
Tgt Ion:101 Resp: 14860

Ion Ratio Lower Upper

101 100

151 90.9 57.0 85.4#





#13

Ethanol

Concen: 54.984 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

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ClientSampleId :

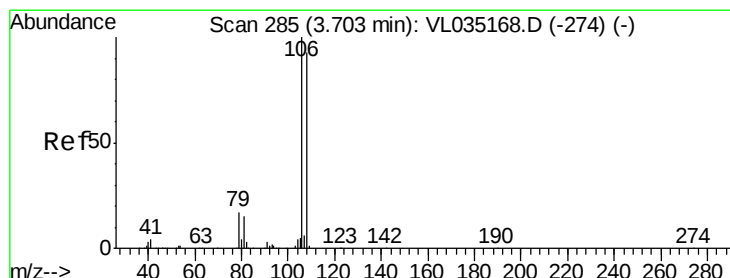
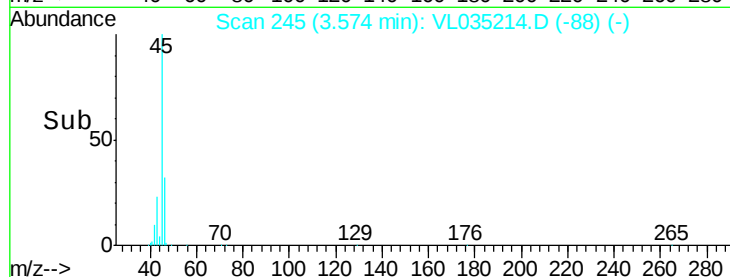
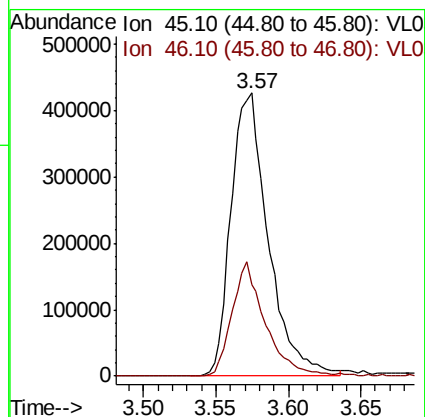
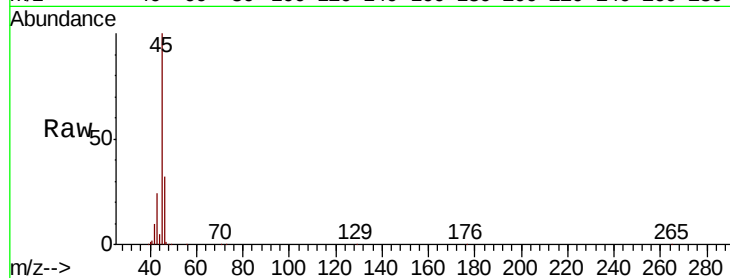
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 45 Resp: 763499

Ion Ratio Lower Upper

45 100

46 36.4 16.2 65.0



#14

Bromoethene

Concen: 0.061 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

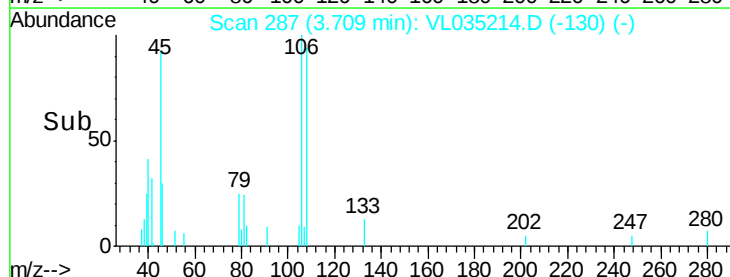
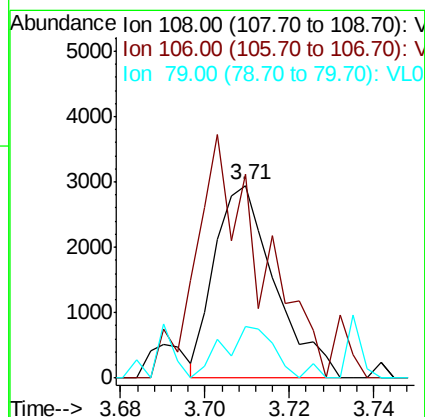
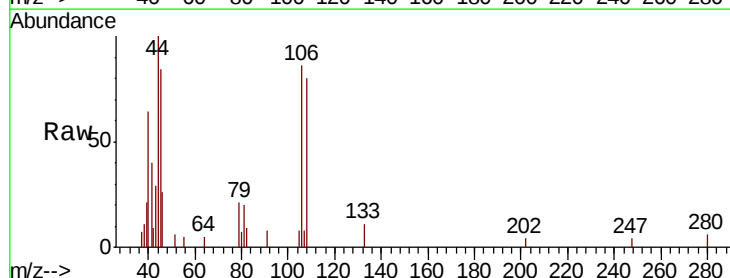
Tgt Ion: 108 Resp: 2909

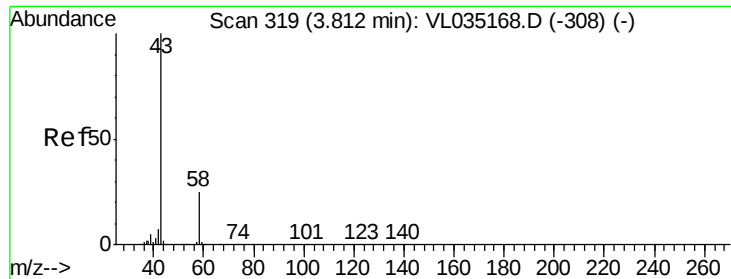
Ion Ratio Lower Upper

108 100

106 144.7 86.2 129.2#

79 40.8 15.0 22.6#





#15

Acetone

Concen: 8.307 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

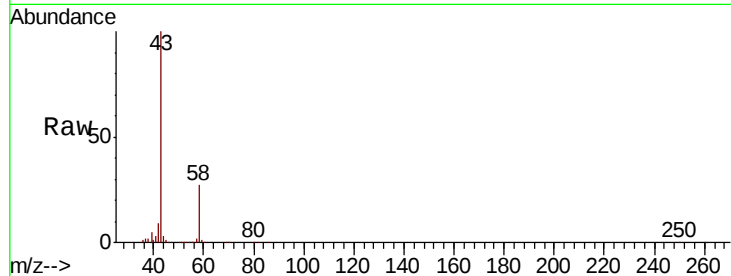
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 43 Resp: 1174957

Ion Ratio Lower Upper

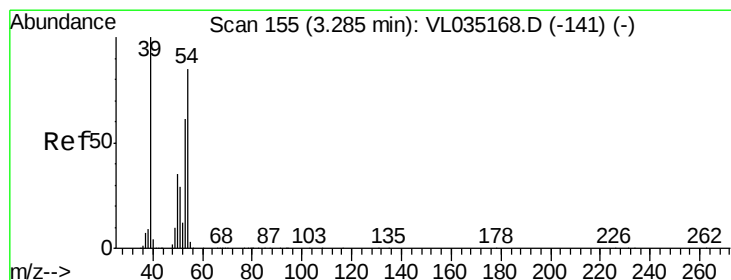
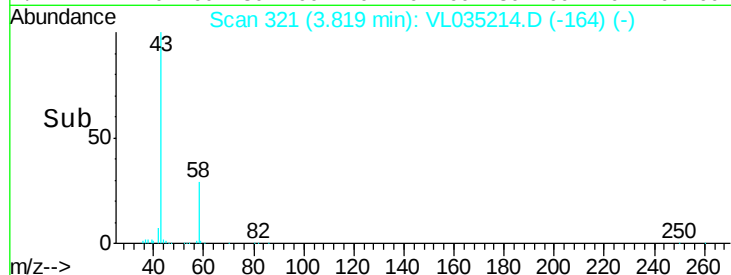
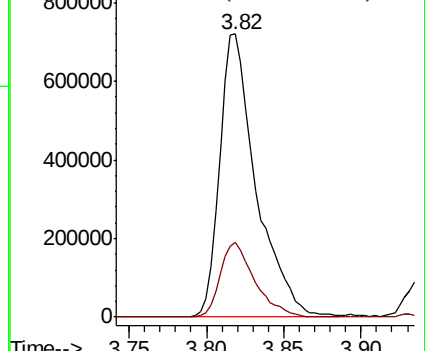
43 100

58 25.3 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.054 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035214.D

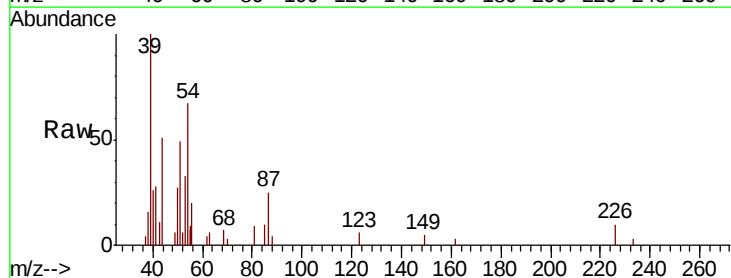
Acq: 21 Jul 2020 16:38

Tgt Ion: 39 Resp: 2933

Ion Ratio Lower Upper

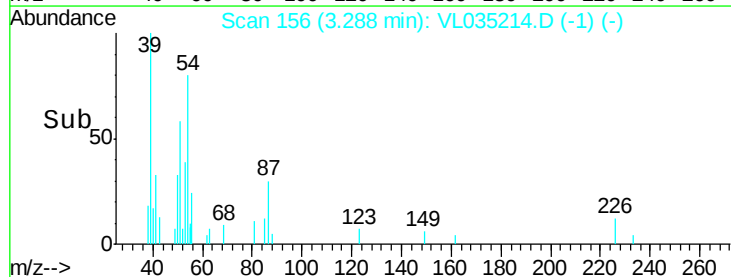
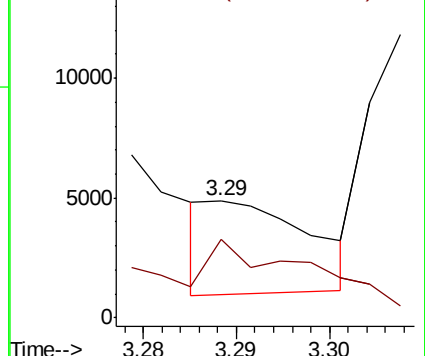
39 100

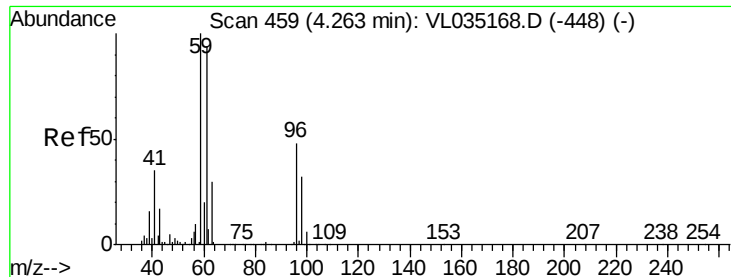
54 194.2 67.2 100.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



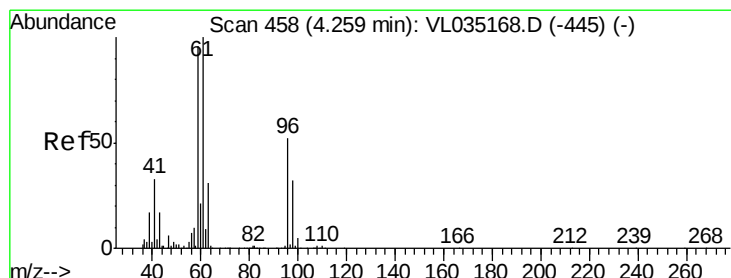
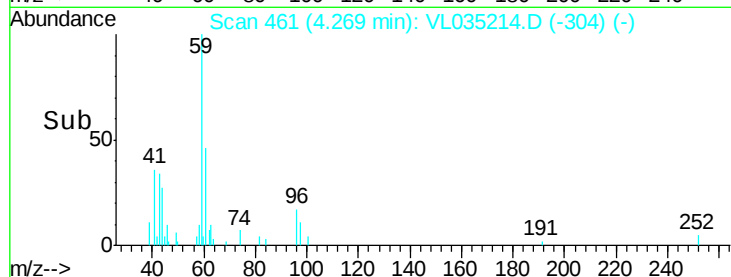
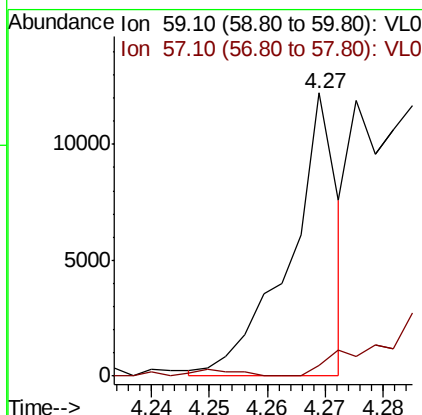
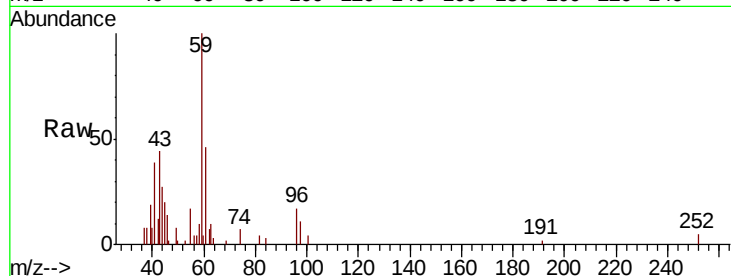


#17

tert-Butyl alcohol
 Concen: 0.056 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOM

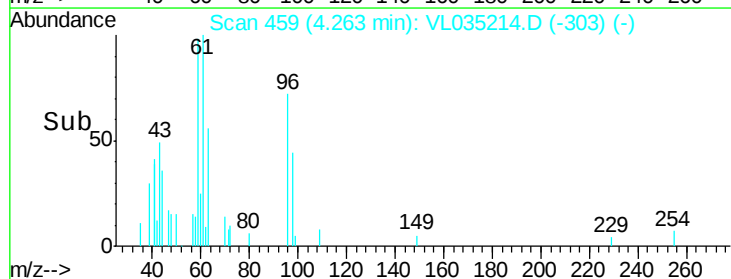
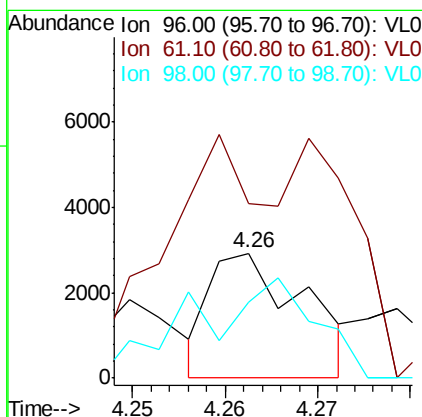
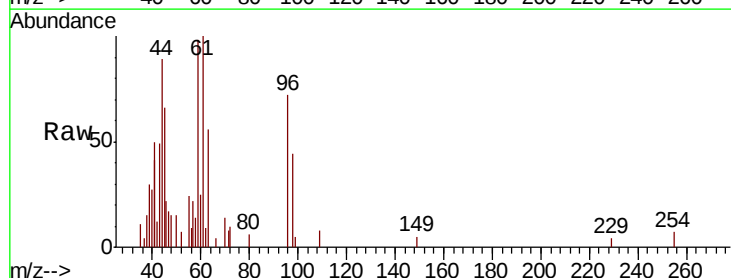
Tot Ion: 59 Resp: 7033
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

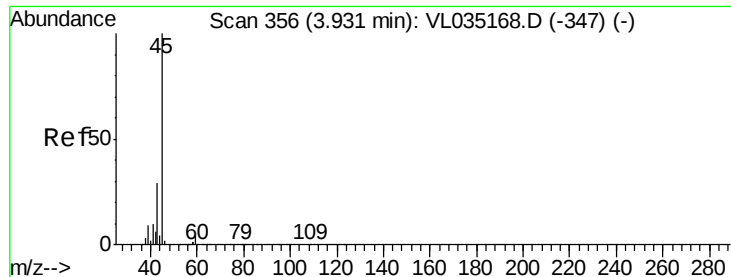


#18

1,1-Dichloroethene
 Concen: 0.040 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Tgt Ion: 96 Resp: 2061
 Ion Ratio Lower Upper
 96 100
 61 0.0 152.9 229.3#
 98 40.4 48.7 73.1#



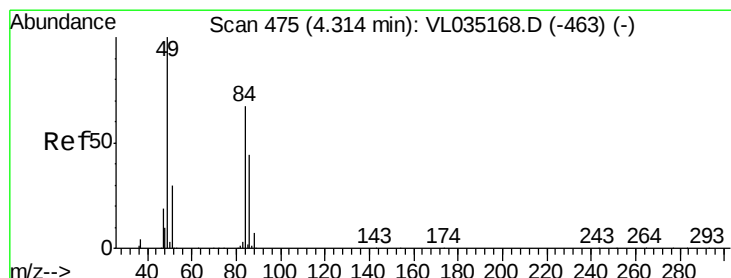
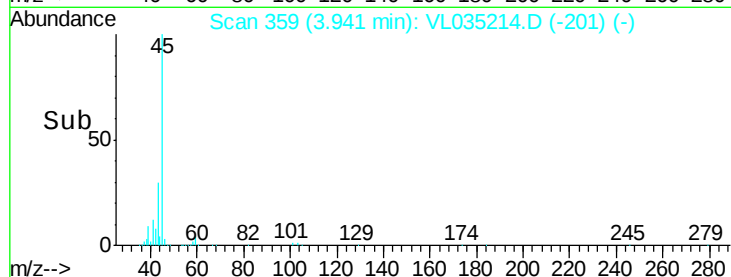
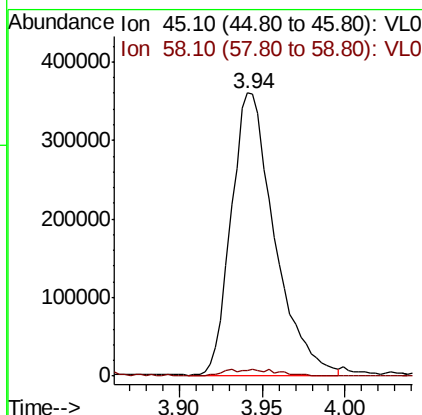
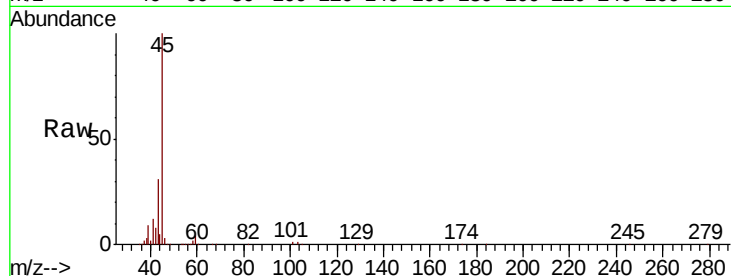


#19

Isopropyl Alcohol
 Concen: 7.625 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOM

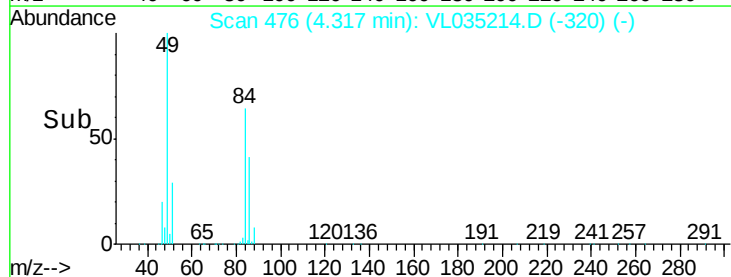
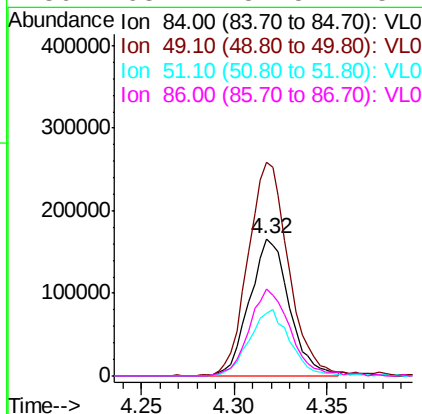
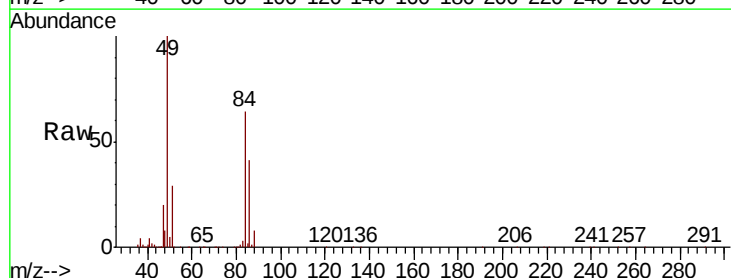
Tot Ion: 45 Resp: 650633
 Ion Ratio Lower Upper
 45 100
 58 3.3 2.1 3.1#

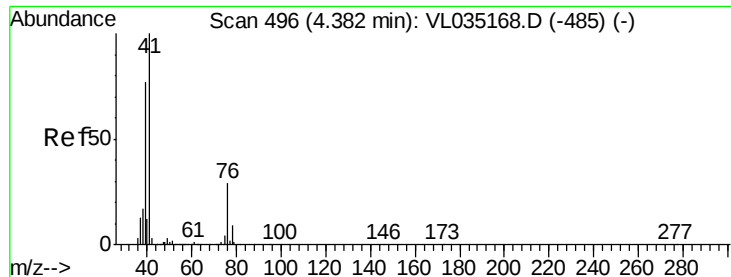


#20

Methylene Chloride
 Concen: 4.049 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Tgt Ion: 84 Resp: 249228
 Ion Ratio Lower Upper
 84 100
 49 155.5 119.4 179.0
 51 45.2 36.6 55.0
 86 63.4 52.5 78.7





#21

Allvl Chloride

Concen: 0.065 ppbv

RT: 4.39 min Scan# 498

Delta R.T. 0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR-EAST-CLASSROOM

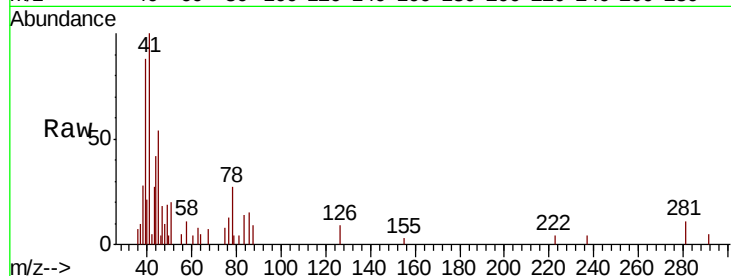
Tot Ion: 41 Resp: 5354

Ion Ratio Lower Upper

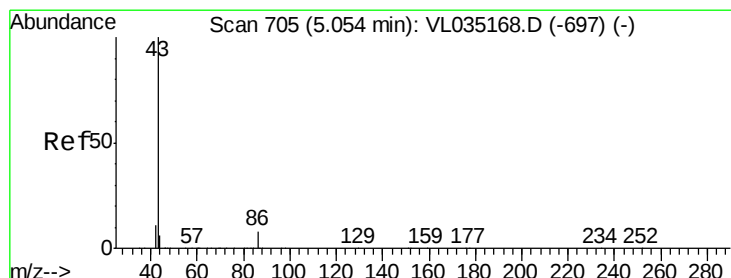
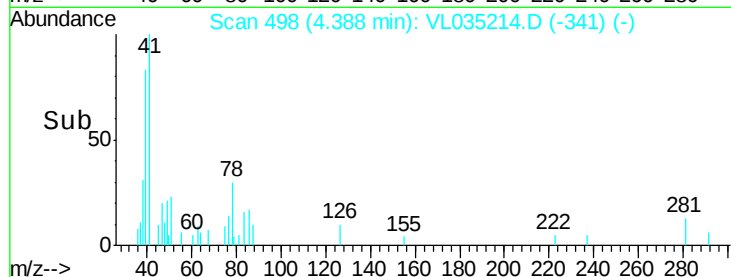
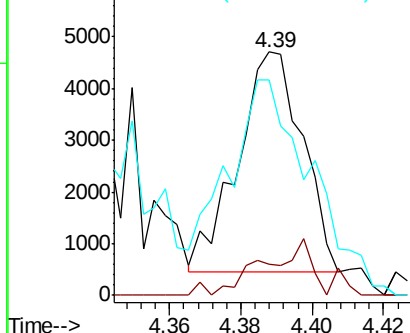
41 100

76 21.4 23.5 35.3#

39 128.5 63.4 95.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.633 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Tgt Ion: 43 Resp: 96978

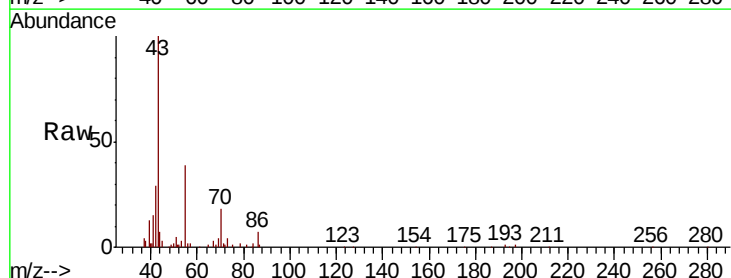
Ion Ratio Lower Upper

43 100

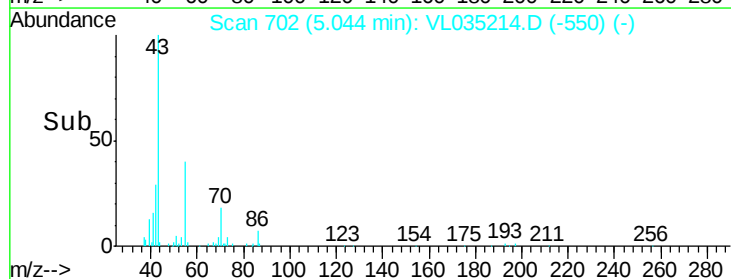
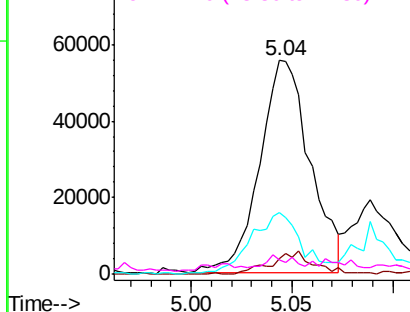
86 7.7 6.2 9.2

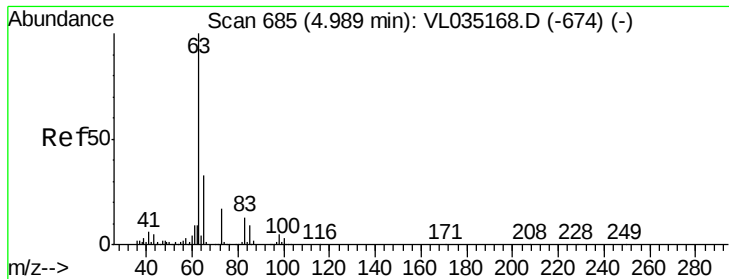
42 28.4 9.1 13.7#

44 4.6 4.6 6.8



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





#24

1,1-Dichloroethane

Concen: 0.055 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR-EAST-CLASSROOM

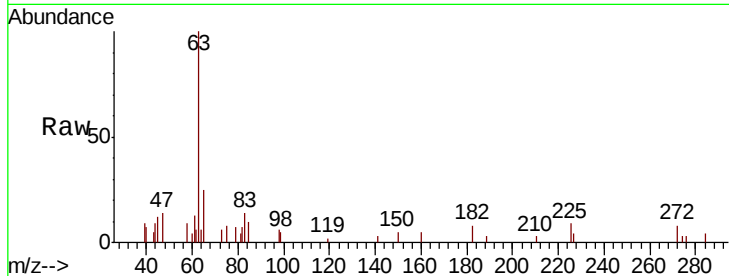
Tot Ion: 63 Resp: 7274

Ion Ratio Lower Upper

63 100

98 9.9 2.4 7.1#

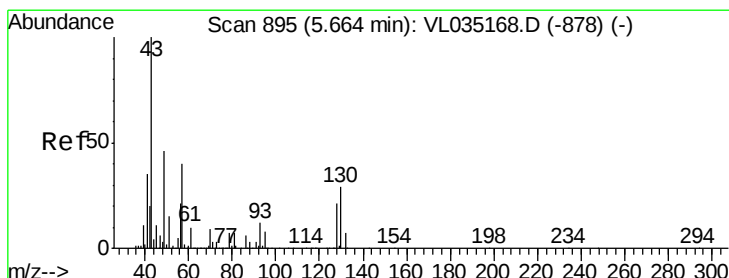
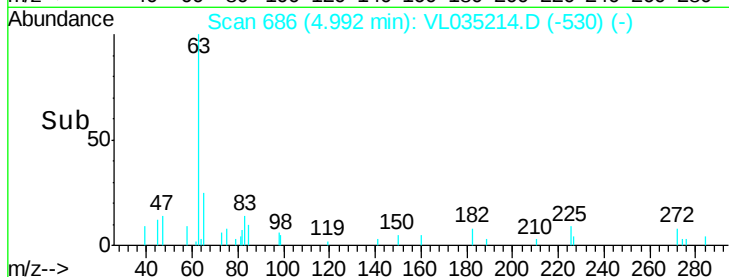
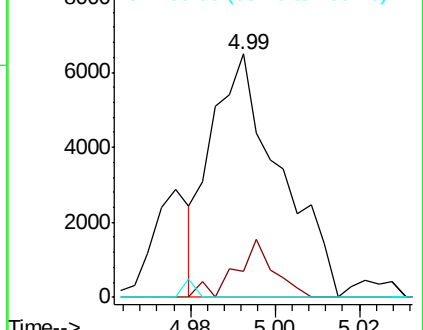
100 0.0 1.4 4.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.290 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Tgt Ion: 43 Resp: 63758

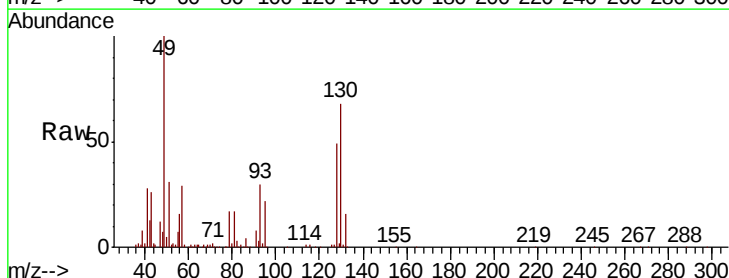
Ion Ratio Lower Upper

43 100

45 9.8 8.5 12.7

61 6.8 8.1 12.1#

70 0.0 6.3 9.5#

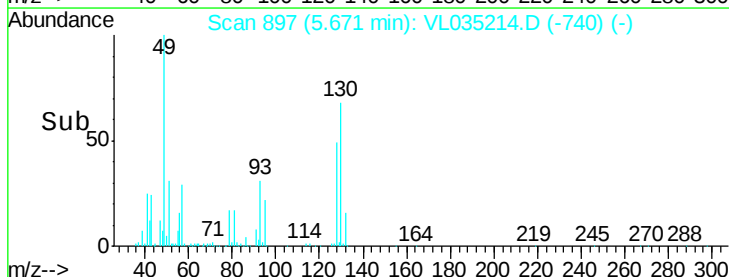
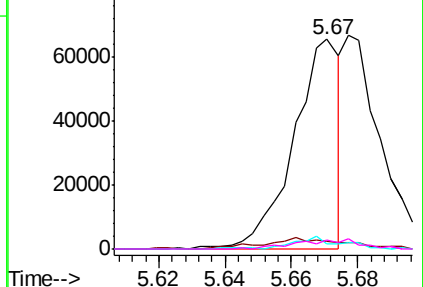


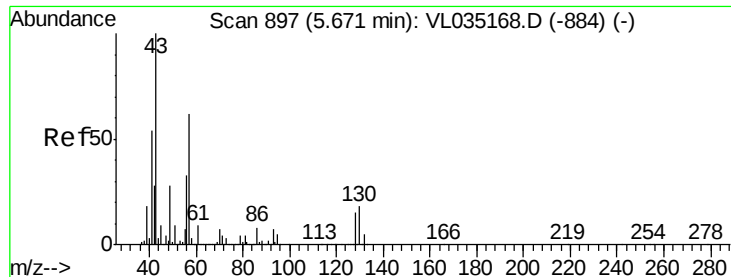
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

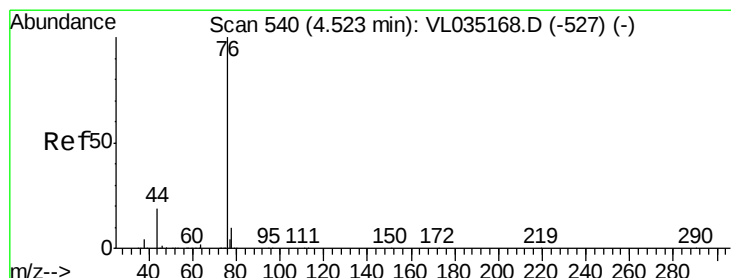
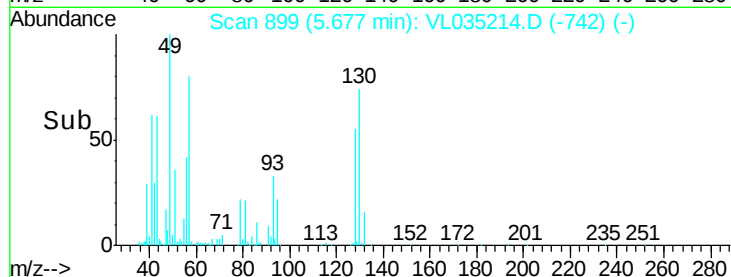
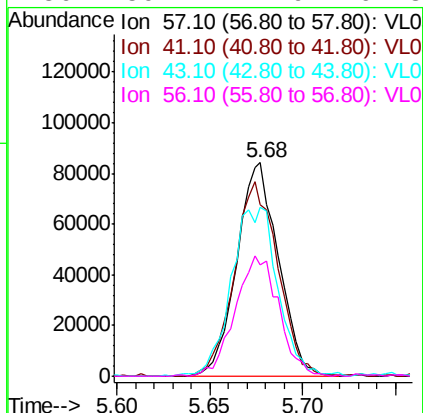
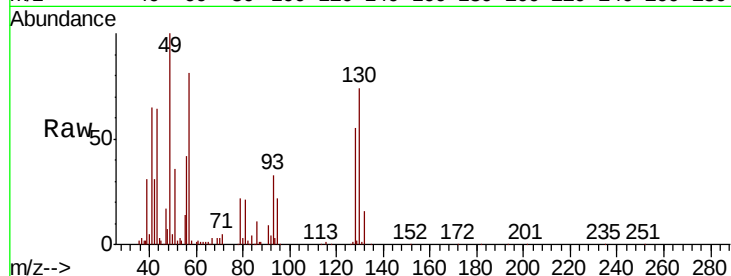




#26
Hexane
Concen: 1.359 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

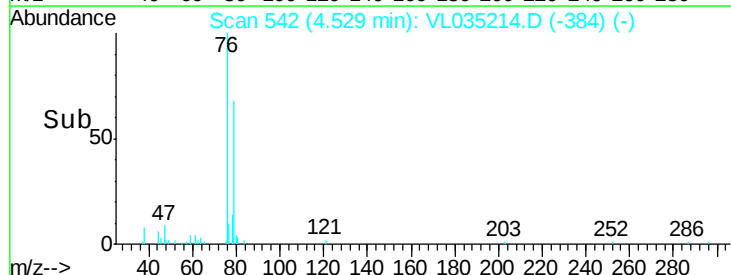
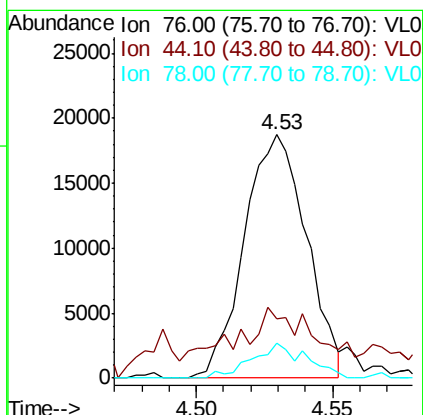
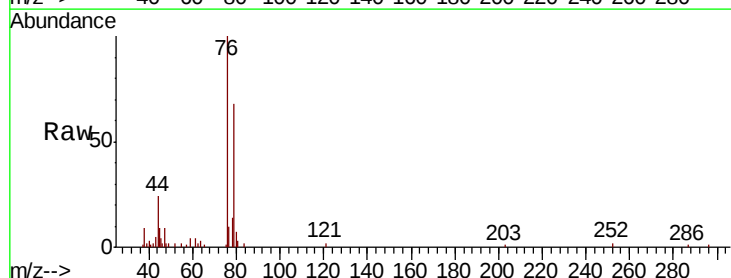
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOM

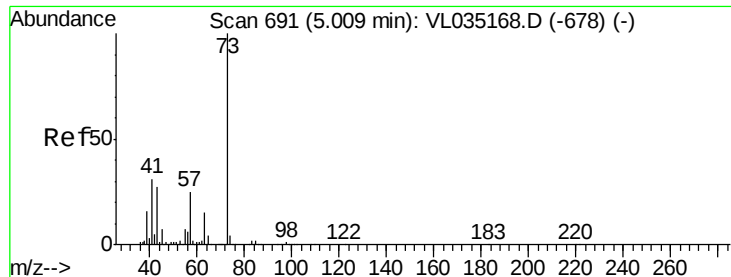
Tot Ion:	57	Resp:	131496
Ion	Ratio	Lower	Upper
57	100		
41	95.8	72.9	109.3
43	89.4	179.5	269.3#
56	59.1	42.9	64.3



#27
Carbon Disulfide
Concen: 0.219 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.01 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

Tgt Ion:	76	Resp:	29595
Ion	Ratio	Lower	Upper
76	100		
44	34.3	14.9	22.3#
78	12.8	7.5	11.3#



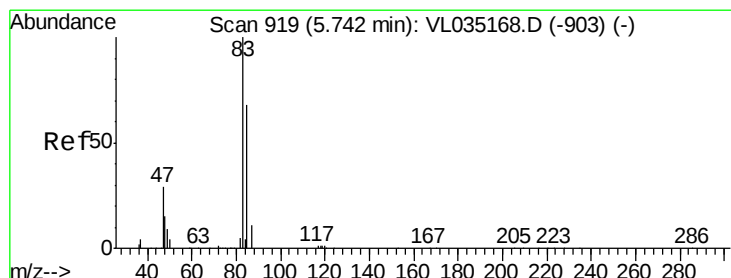
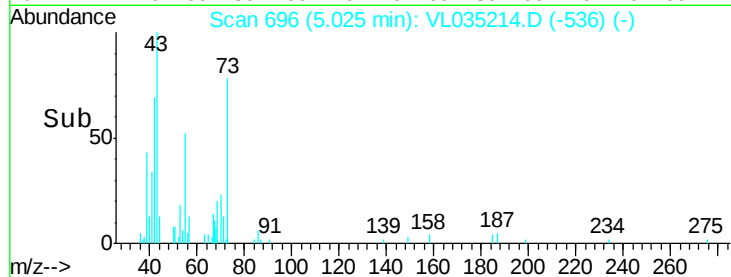
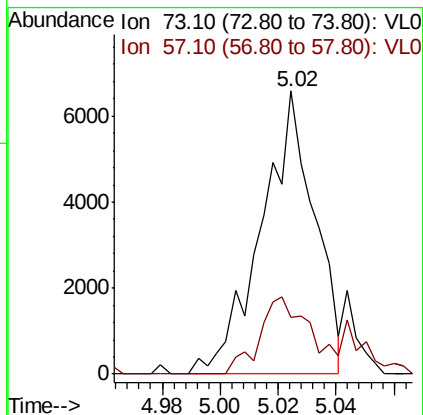
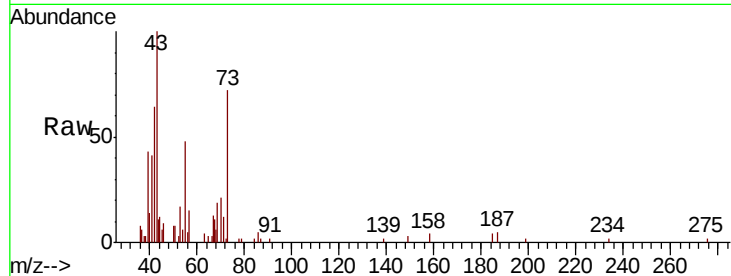


#28

Methvl tert-Butvl Ether
 Concen: 0.057 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. 0.02 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOM

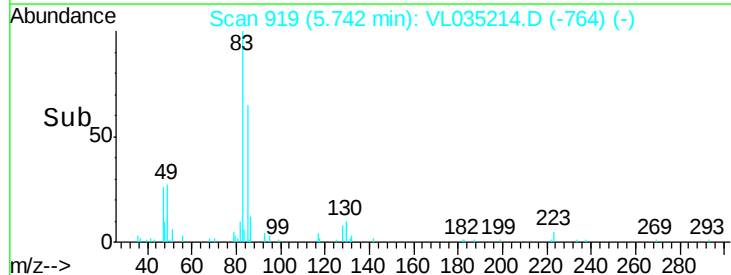
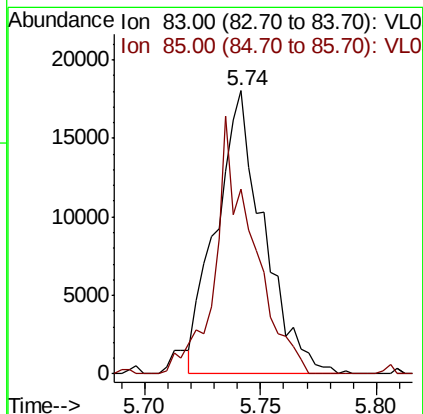
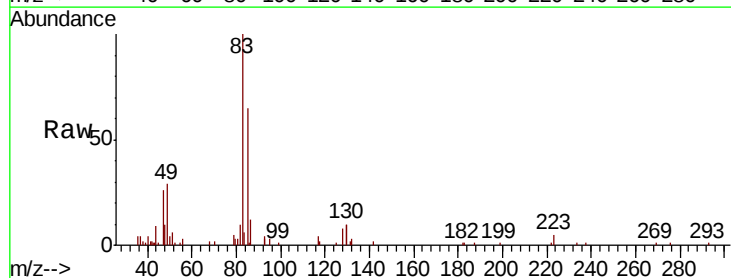
Tot Ion: 73 Resp: 8354
 Ion Ratio Lower Upper
 73 100
 57 26.3 18.1 27.1

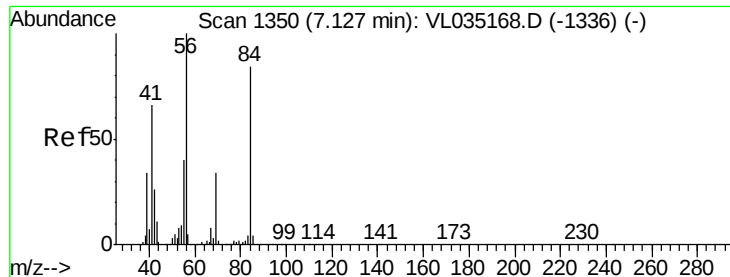


#29

Chloroform
 Concen: 0.158 ppbv
 RT: 5.74 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Tgt Ion: 83 Resp: 25638
 Ion Ratio Lower Upper
 83 100
 85 61.4 54.3 81.5

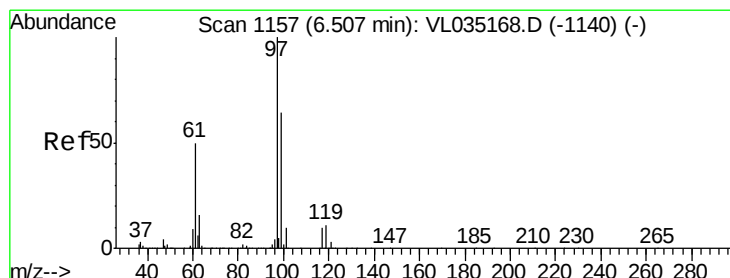
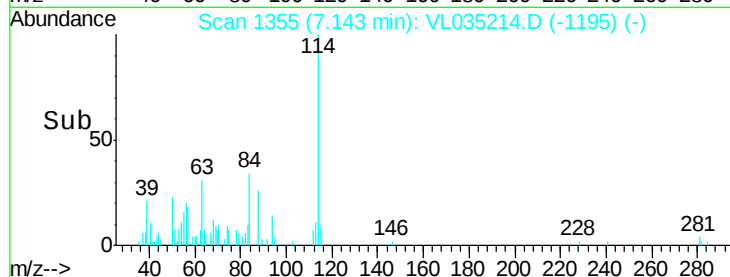
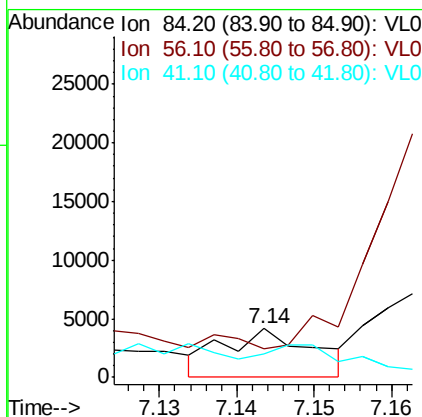
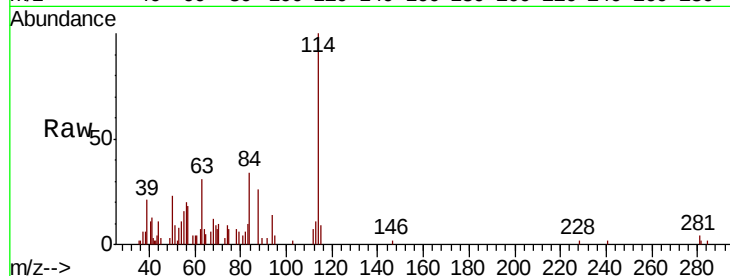




#30
Cvclohexane
Concen: 0.047 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.02 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

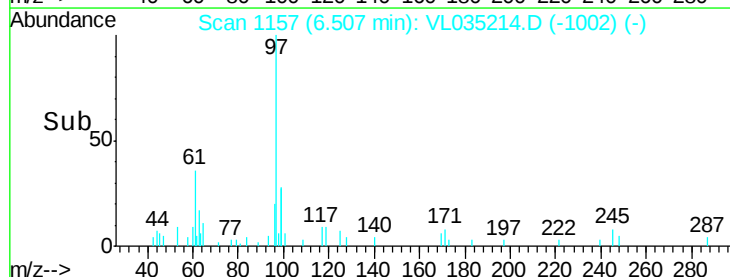
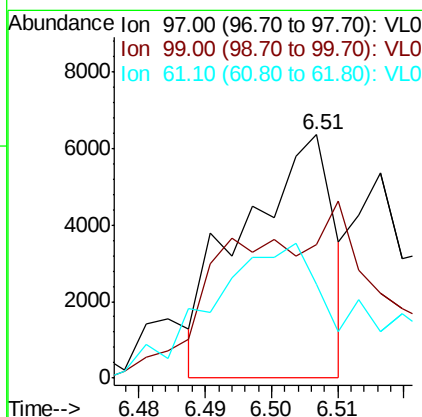
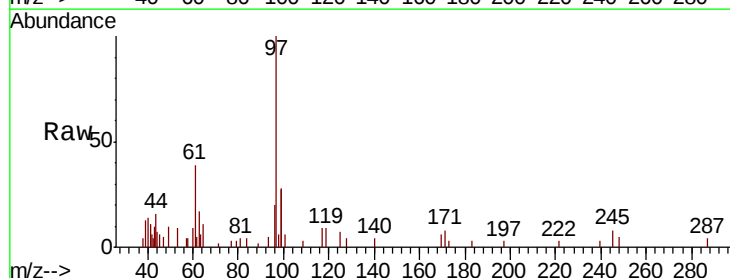
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOM

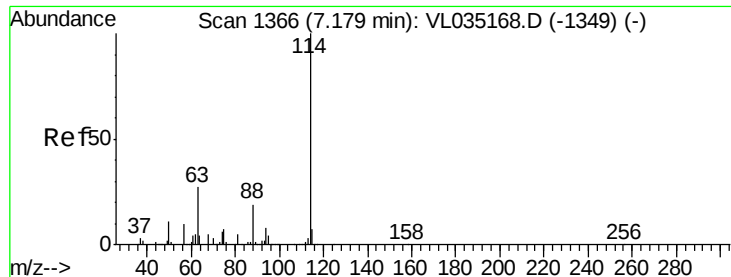
Tot Ion: 84 Resp: 3338
Ion Ratio Lower Upper
84 100
56 0.0 105.6 158.4#
41 246.9 64.9 97.3#



#32
1,1,1-Trichloroethane
Concen: 0.037 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

Tgt Ion: 97 Resp: 6059
Ion Ratio Lower Upper
97 100
99 130.3 51.2 76.8#
61 95.4 40.9 61.3#

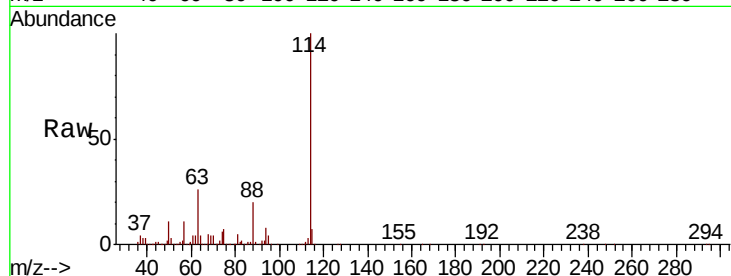




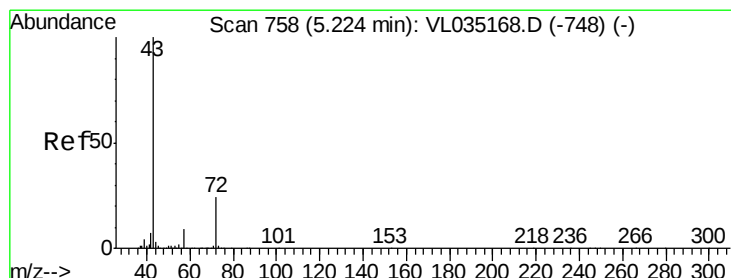
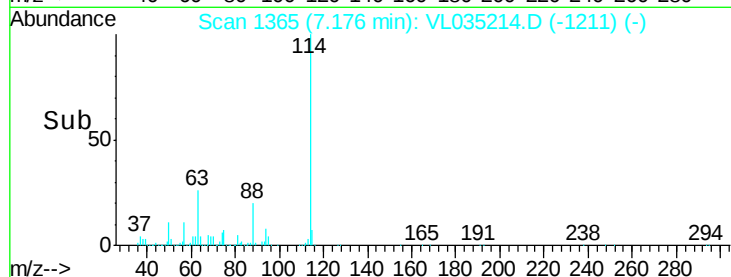
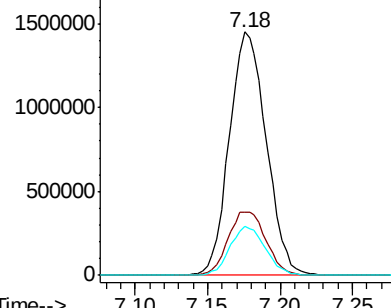
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOM

Tot Ion:114 Resp: 2567457
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.0 33.0
 88 19.4 15.4 23.0

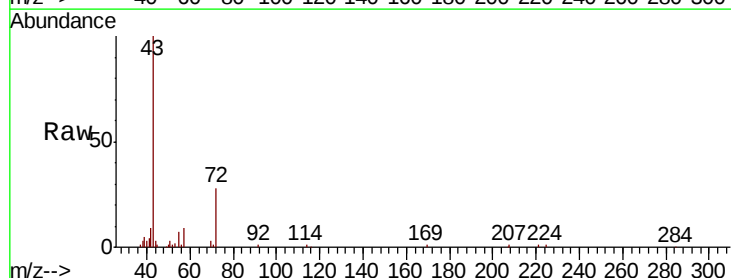


Abundance Ion 114.10 (113.80 to 114.80): VL0
 2000000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

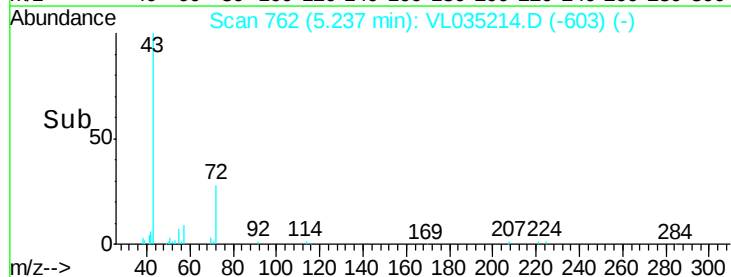
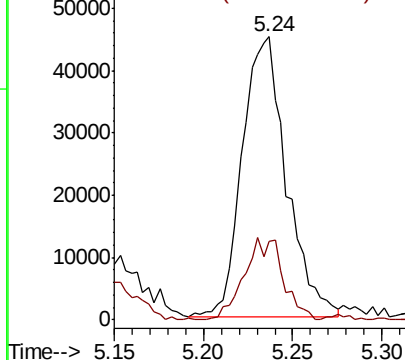


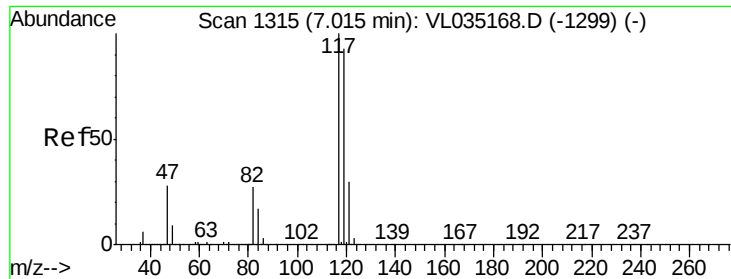
#34
 2-Butanone
 Concen: 0.564 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Tgt Ion: 43 Resp: 77232
 Ion Ratio Lower Upper
 43 100
 72 26.9 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
 50000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.047 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR-EAST-CLASSROOM

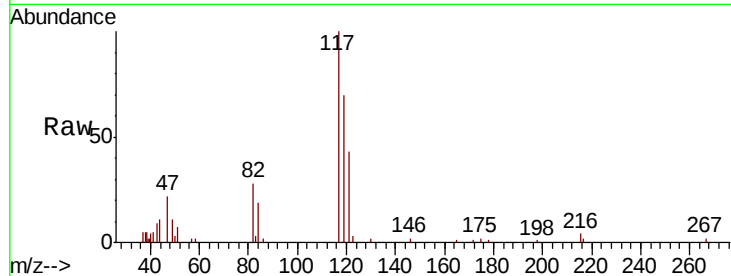
Tot Ion:117 Resp: 7881

Ion Ratio Lower Upper

117 100

119 74.9 74.8 112.2

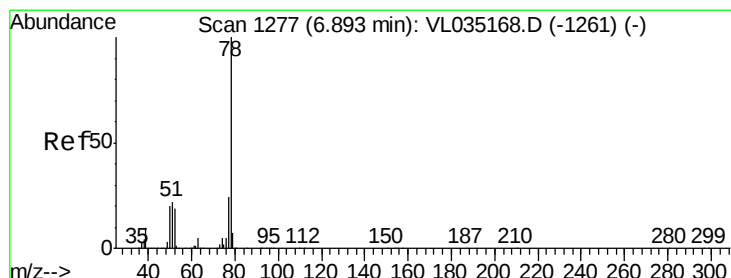
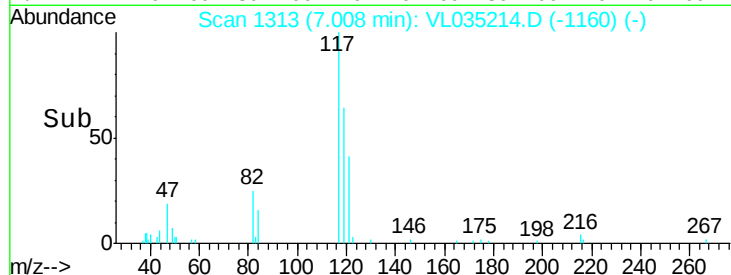
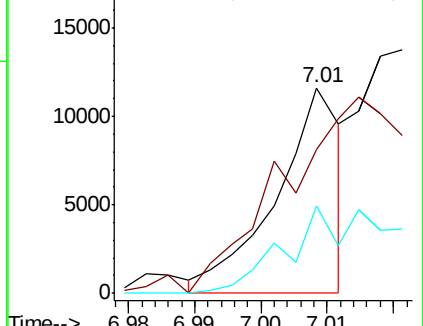
121 45.4 24.2 36.2#



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: 0.116 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

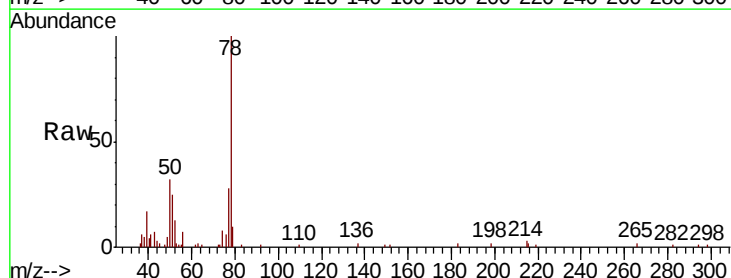
Tgt Ion: 78 Resp: 21493

Ion Ratio Lower Upper

78 100

77 18.9 19.3 28.9#

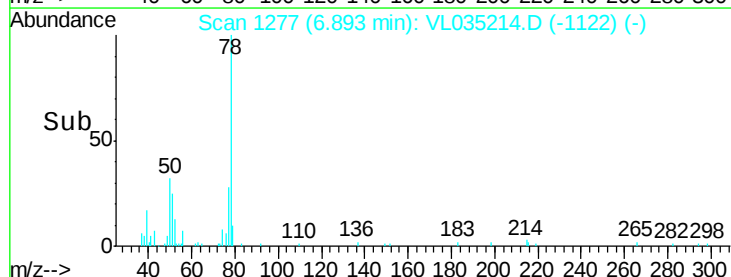
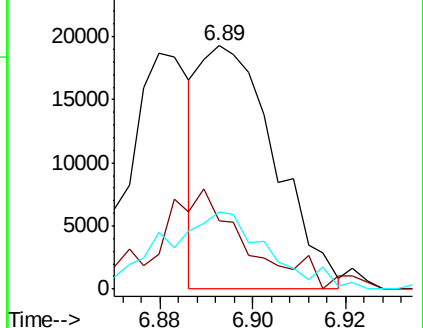
50 32.5 16.0 24.0#

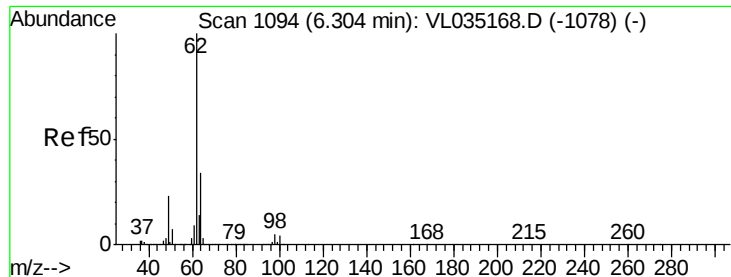


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.041 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

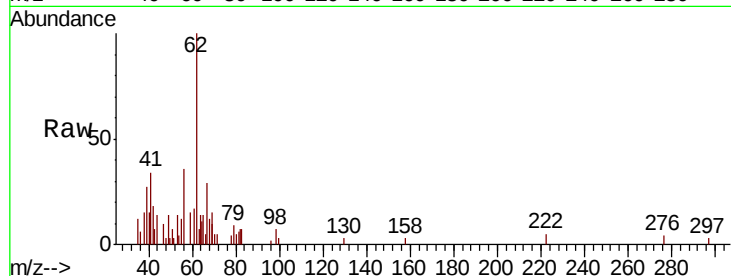
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 62 Resp: 5125

Ion Ratio Lower Upper

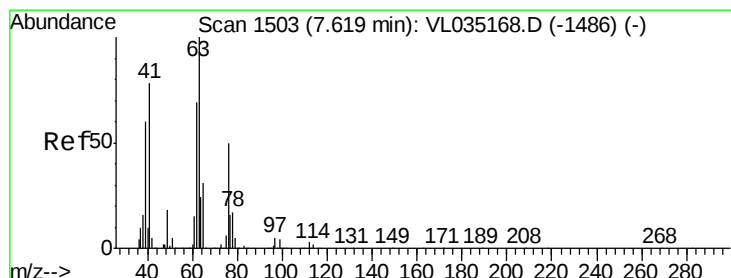
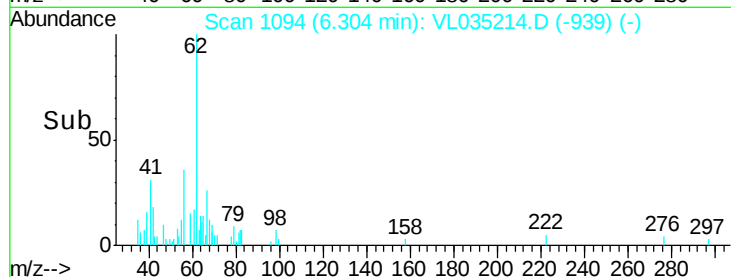
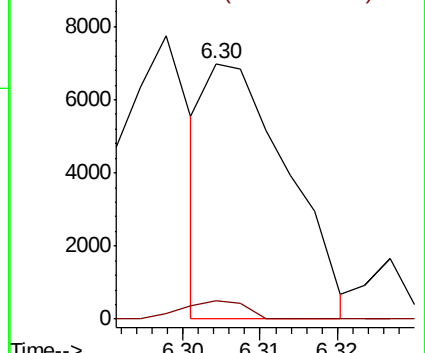
62 100

98 5.6 4.6 6.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#39

1,2-Dichloropropane

Concen: 9.315 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

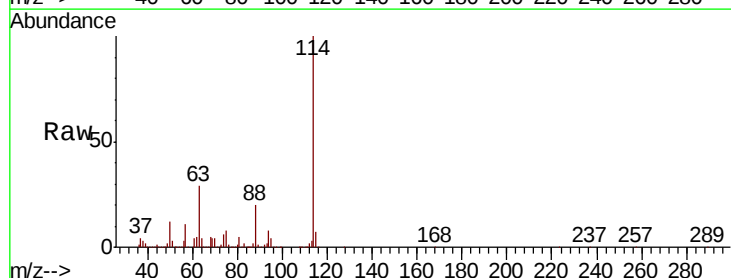
Tgt Ion: 63 Resp: 688360

Ion Ratio Lower Upper

63 100

41 0.0 62.6 94.0#

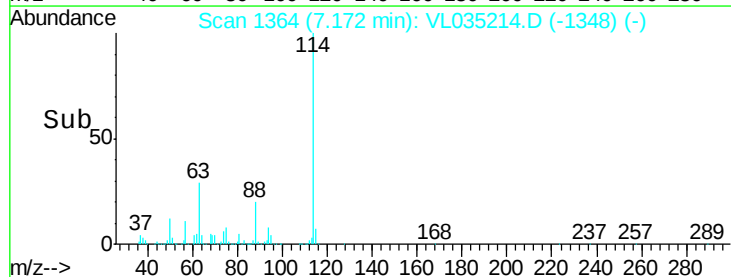
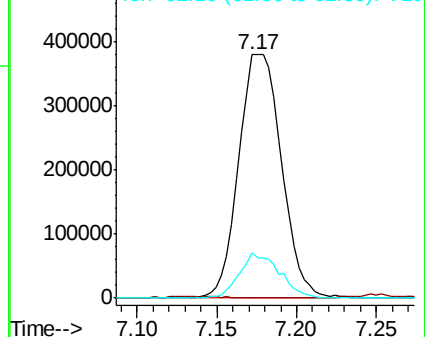
62 18.7 55.0 82.6#

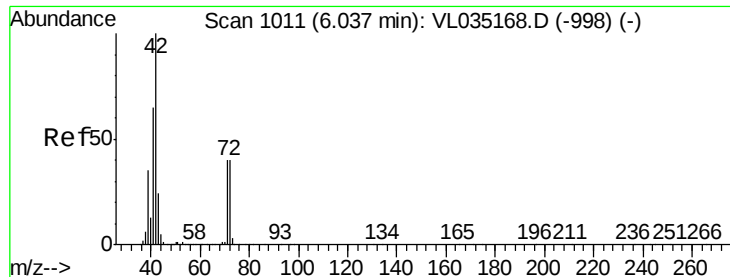


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.032 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR-EAST-CLASSROOM

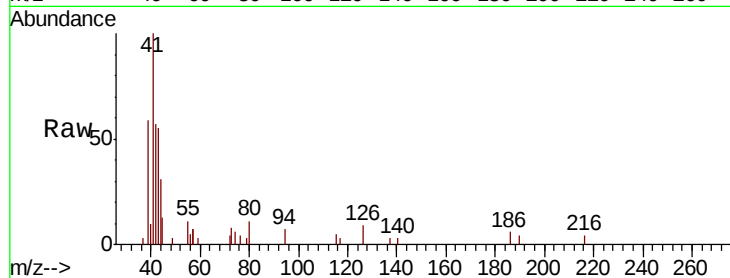
Tot Ion: 42 Resp: 2199

Ion Ratio Lower Upper

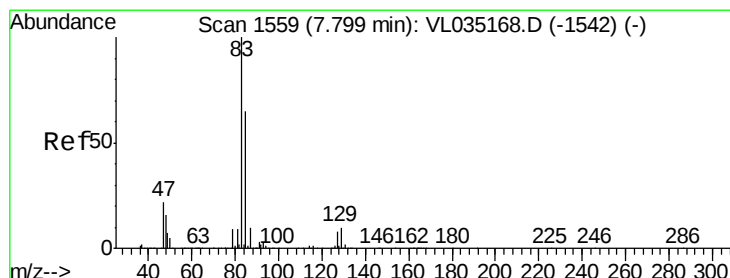
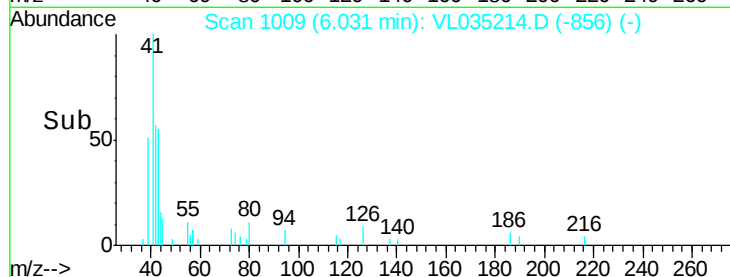
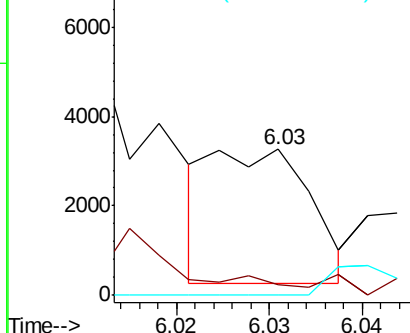
42 100

72 0.0 33.4 50.2#

71 0.0 31.9 47.9#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.040 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

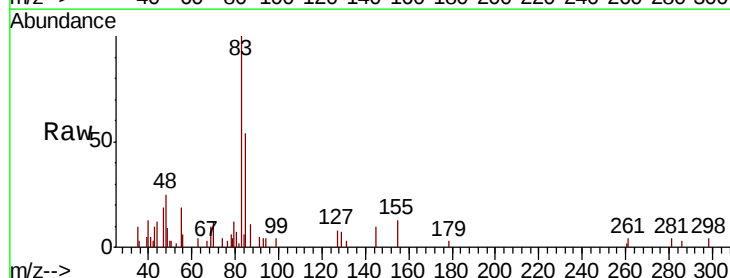
Tgt Ion: 83 Resp: 6623

Ion Ratio Lower Upper

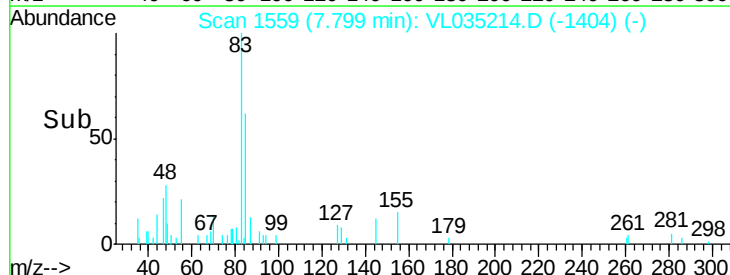
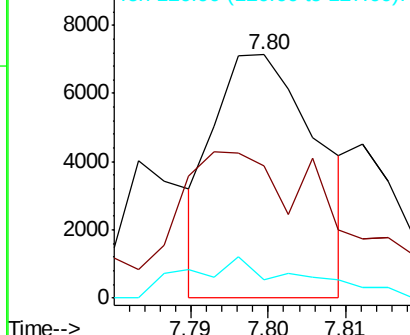
83 100

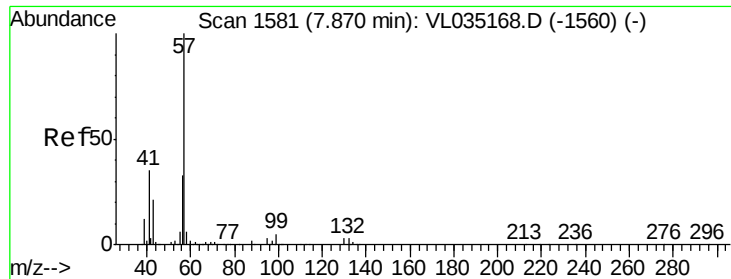
85 48.0 52.2 78.4#

127 0.0 6.3 9.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

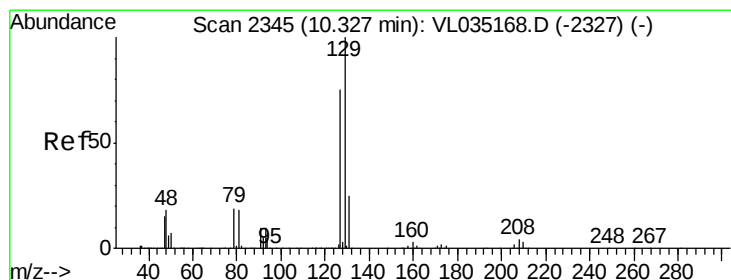
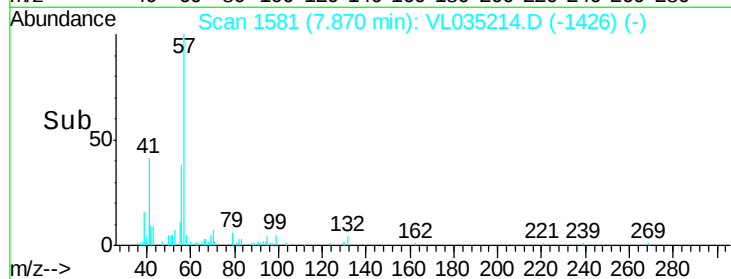
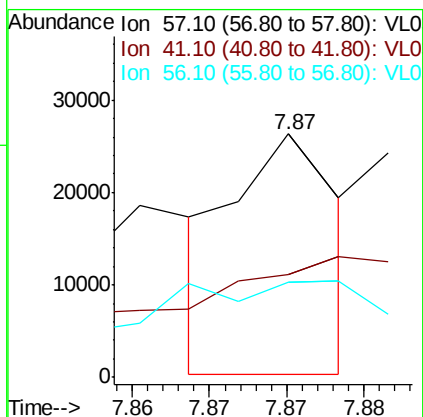
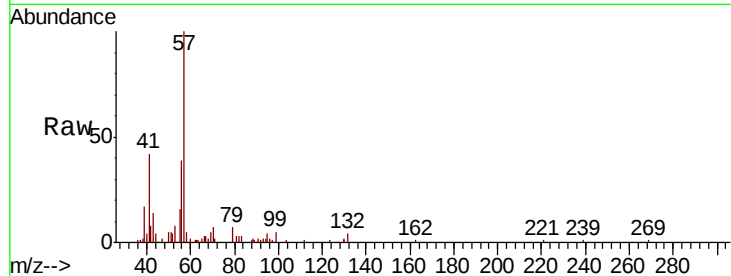




#44
 2,2,4-Trimethylpentane
 Concen: 0.038 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

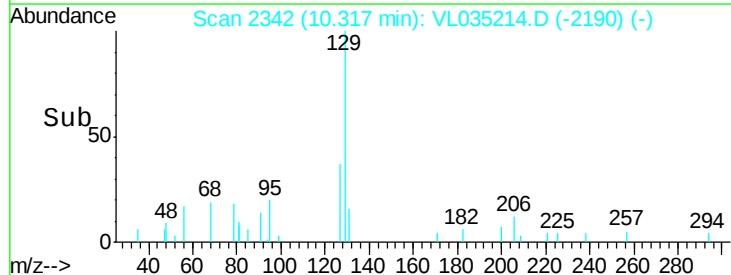
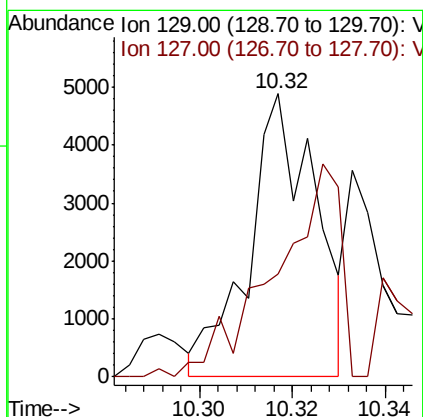
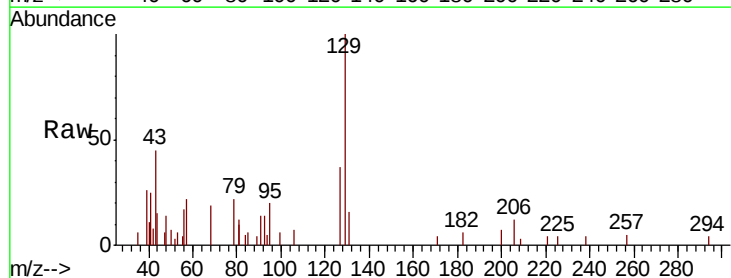
Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOM

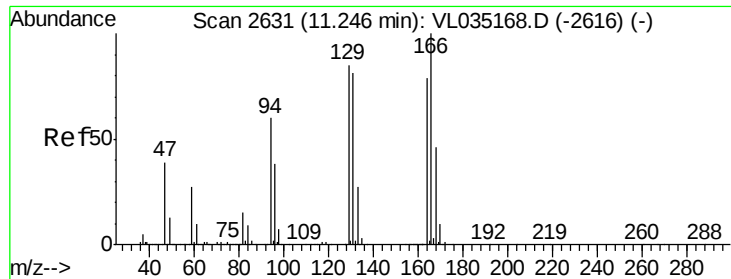
Tot Ion: 57 Resp: 12290
 Ion Ratio Lower Upper
 57 100
 41 0.0 27.0 40.6#
 56 212.8 25.5 38.3#



#48
 Dibromochloromethane
 Concen: 0.037 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Tgt Ion: 129 Resp: 4875
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.3#





#52

Tetrachloroethene

Concen: 0.126 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR-EAST-CLASSROOM

Tot Ion:164 Resp: 8745

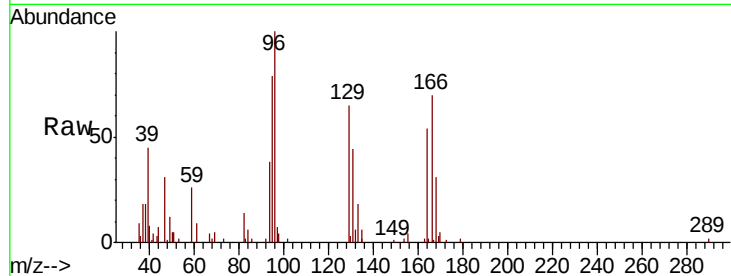
Ion Ratio Lower Upper

164 100

166 130.2 100.7 151.1

129 117.4 85.8 128.6

131 62.2 82.0 123.0#



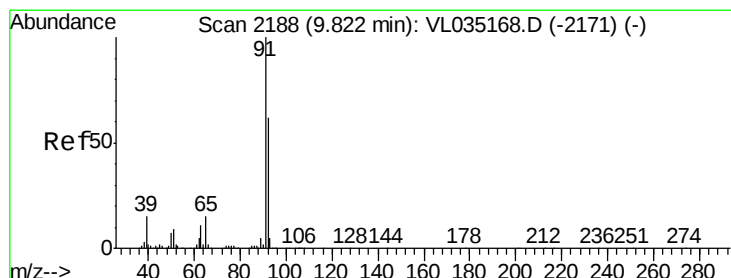
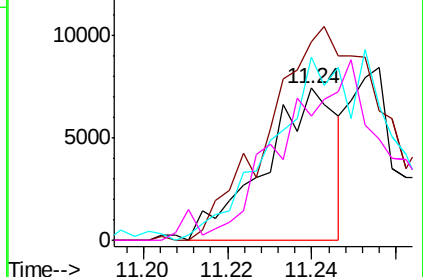
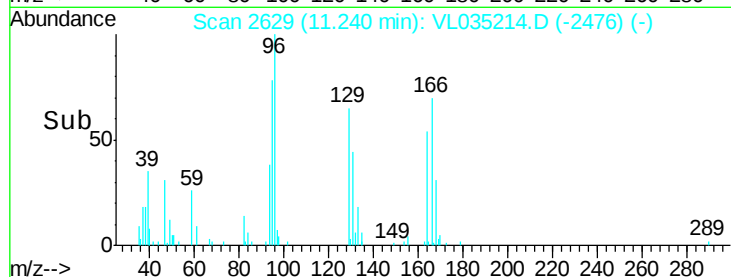
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



#53

Toluene

Concen: 1.738 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL035214.D

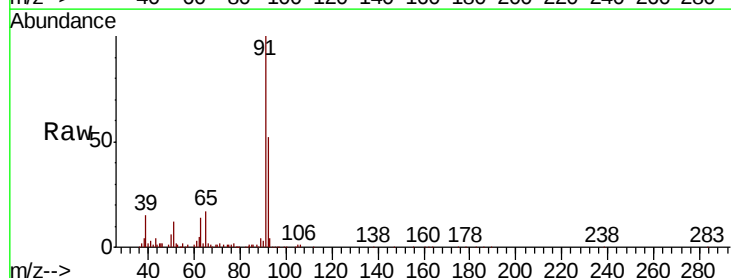
Acq: 21 Jul 2020 16:38

Tgt Ion: 91 Resp: 340894

Ion Ratio Lower Upper

91 100

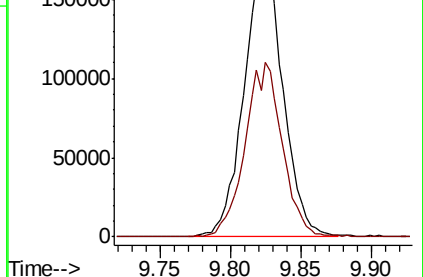
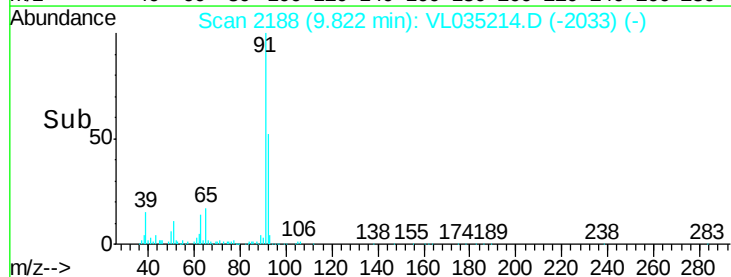
92 59.8 48.4 72.6

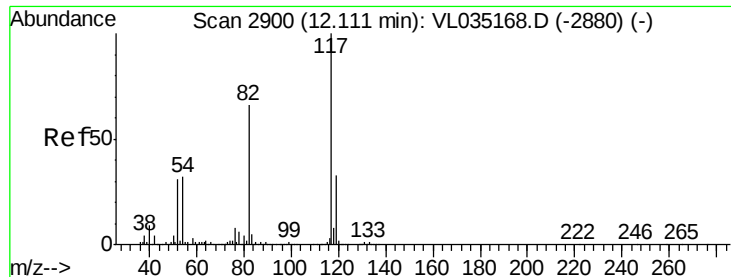


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->

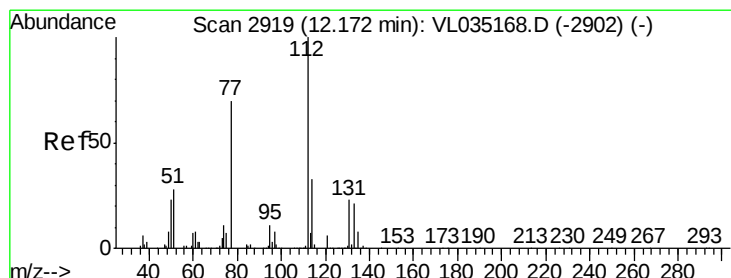
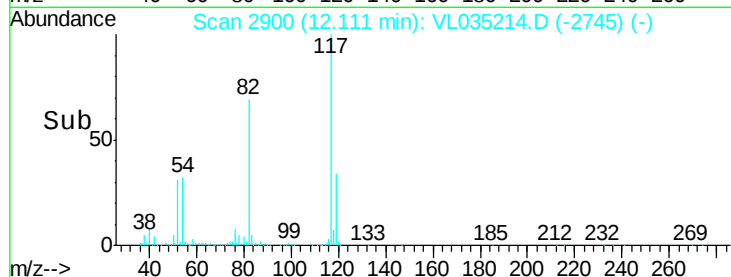
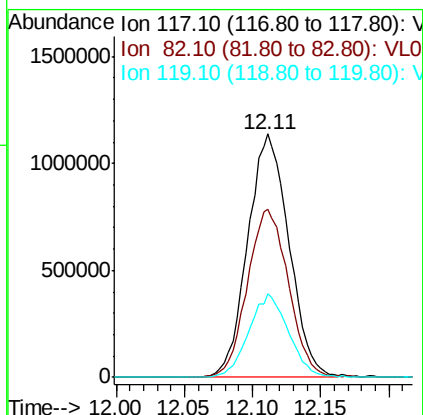
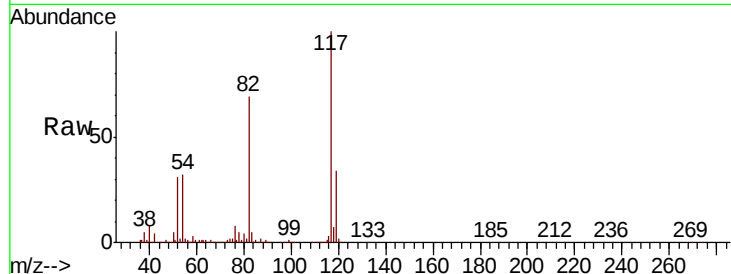




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

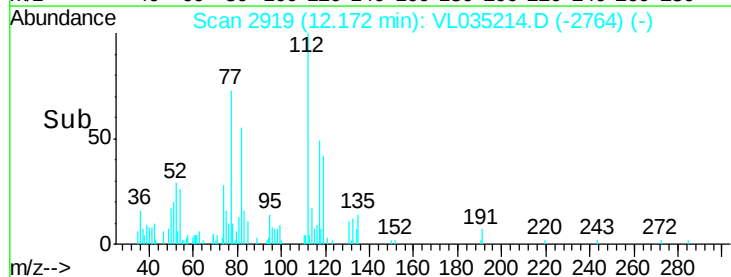
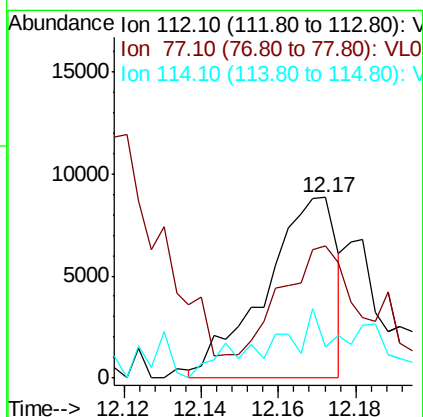
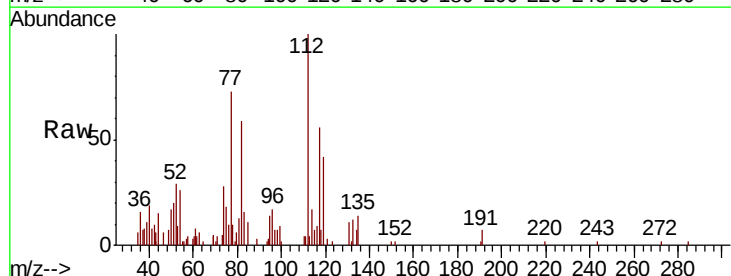
Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOM

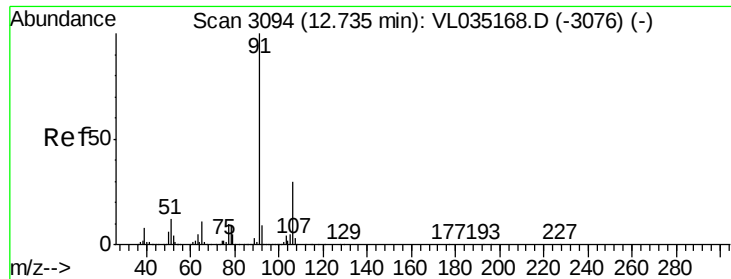
Tot Ion:117 Resp: 2382339
Ion Ratio Lower Upper
117 100
82 69.3 52.3 78.5
119 33.3 24.9 37.3



#57
Chlorobenzene
Concen: 0.064 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

Tgt Ion:112 Resp: 11325
Ion Ratio Lower Upper
112 100
77 43.3 57.0 85.4#
114 17.3 30.2 37.0#





#58

Ethyl Benzene

Concen: 0.075 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.29 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

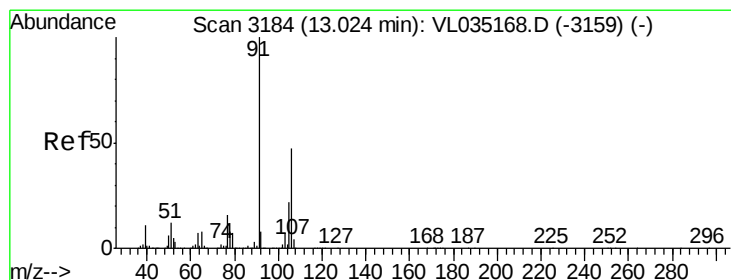
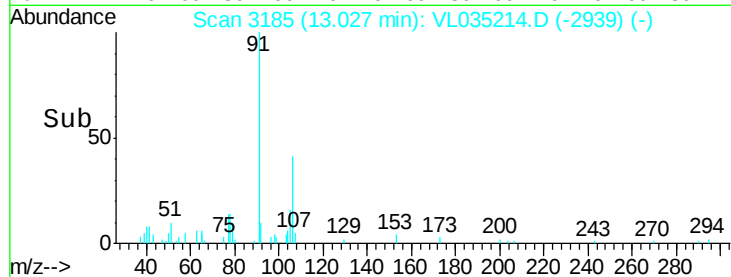
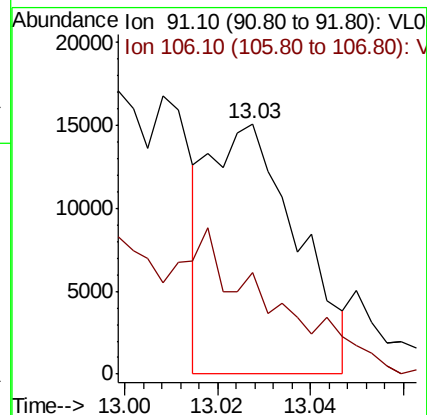
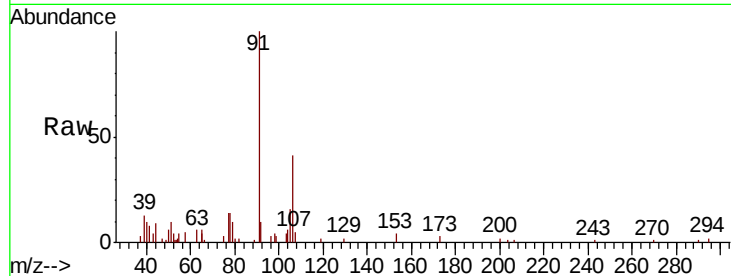
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 91 Resp: 19753

Ion Ratio Lower Upper

91 100

106 34.6 24.2 36.2



#59

m/p-Xylene

Concen: 0.084 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VL035214.D

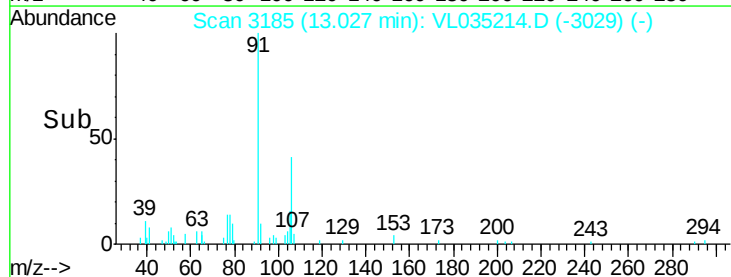
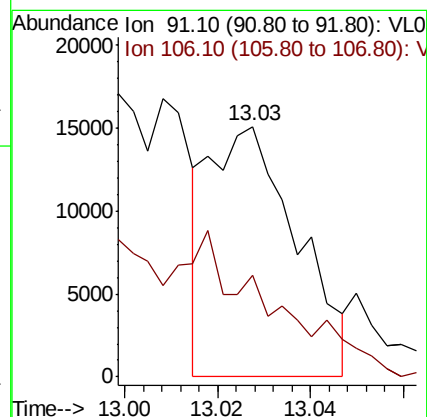
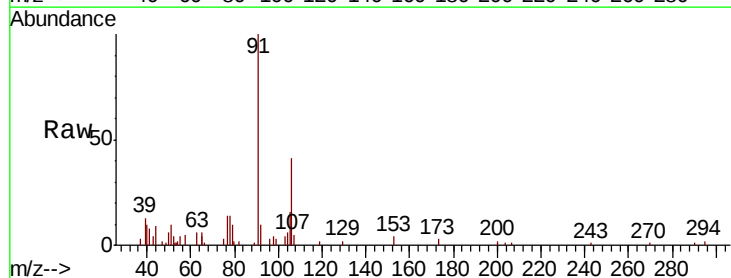
Acq: 21 Jul 2020 16:38

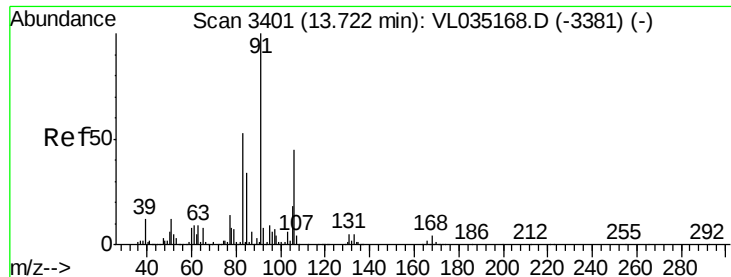
Tgt Ion: 91 Resp: 19753

Ion Ratio Lower Upper

91 100

106 0.0 36.2 54.2#





#60

o-Xylene

Concen: 0.032 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

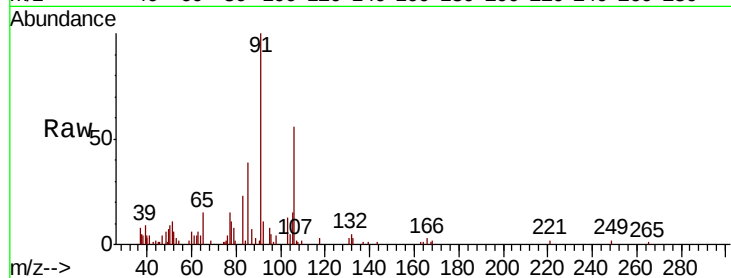
1ST-FLOOR-EAST-CLASSROOM

Tot Ion: 91 Resp: 7531

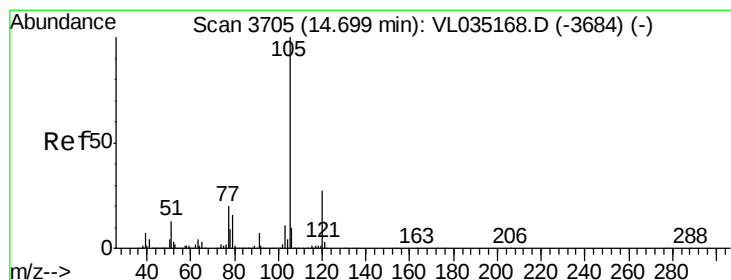
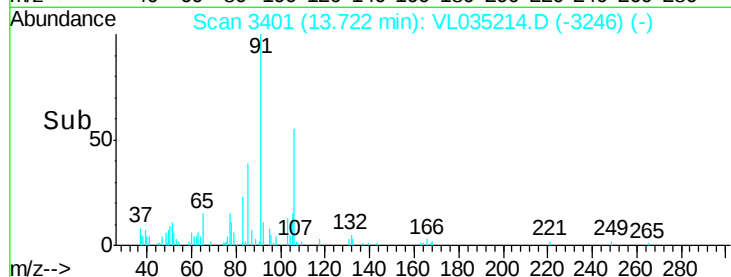
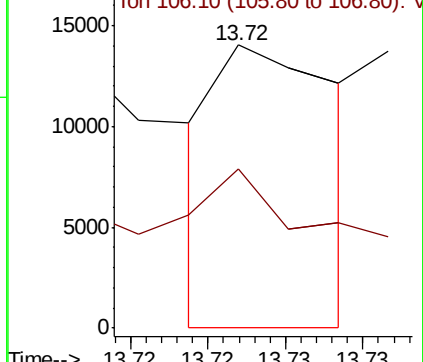
Ion Ratio Lower Upper

91 100

106 172.0 22.1 66.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0



#62

Isopropylbenzene

Concen: 0.031 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035214.D

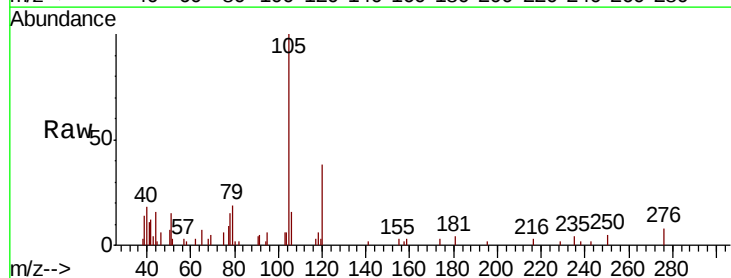
Acq: 21 Jul 2020 16:38

Tgt Ion:105 Resp: 10929

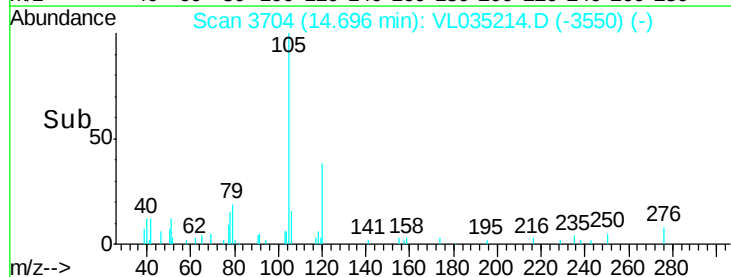
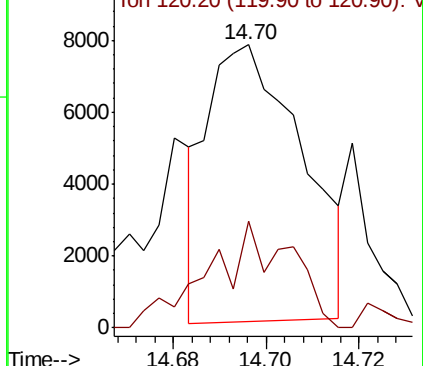
Ion Ratio Lower Upper

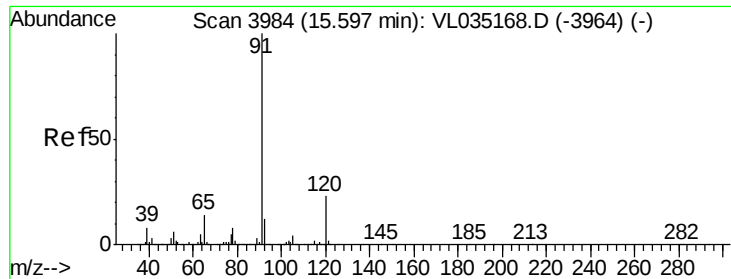
105 100

120 36.9 20.7 31.1#



Abundance Ion 105.10 (104.80 to 105.80): V





#64

n-propylbenzene

Concen: 0.037 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

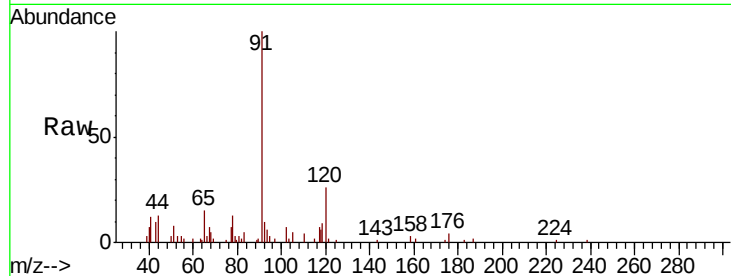
1ST-FLOOR-EAST-CLASSROOM

Tot Ion:120 Resp: 3299

Ion Ratio Lower Upper

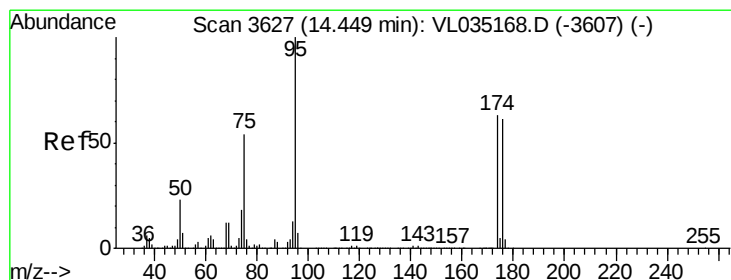
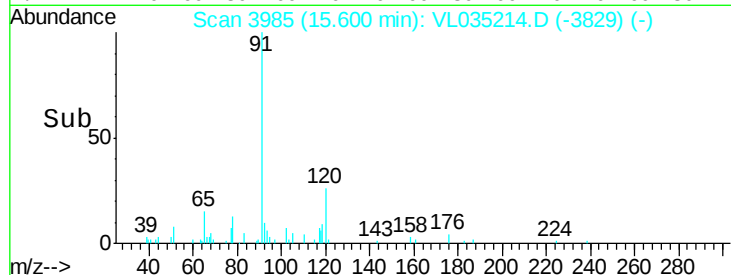
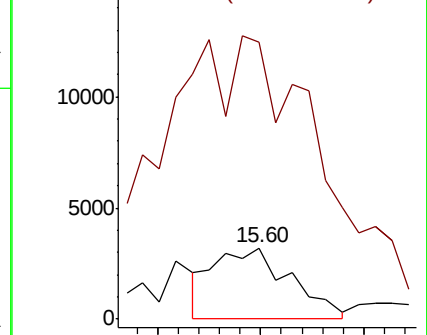
120 100

91 935.3 372.4 558.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.267 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

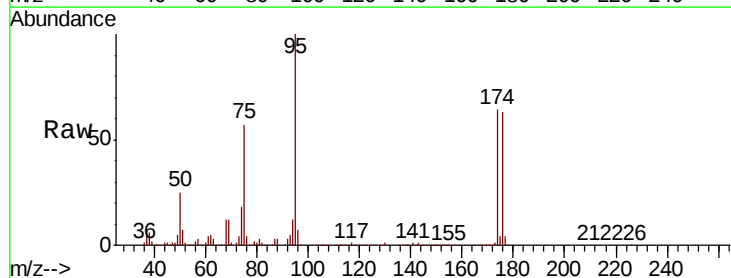
Tgt Ion: 95 Resp: 1987056

Ion Ratio Lower Upper

95 100

174 64.5 52.2 78.2

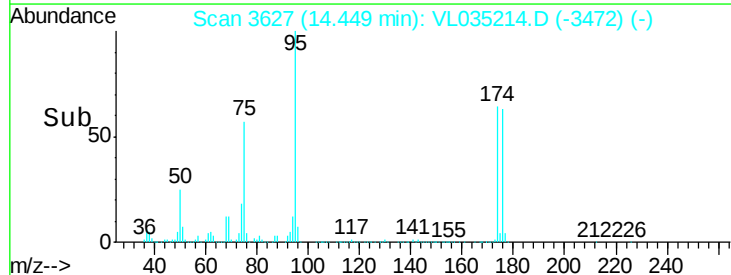
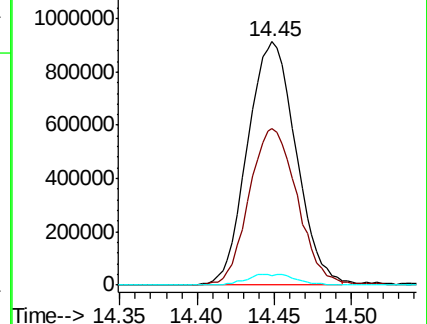
175 4.6 4.0 6.0

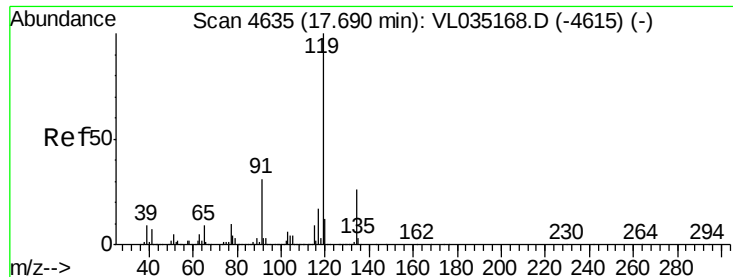


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

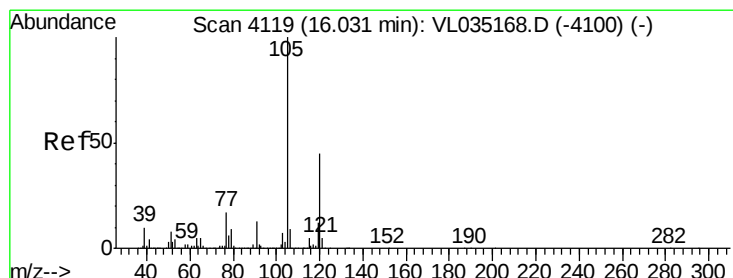
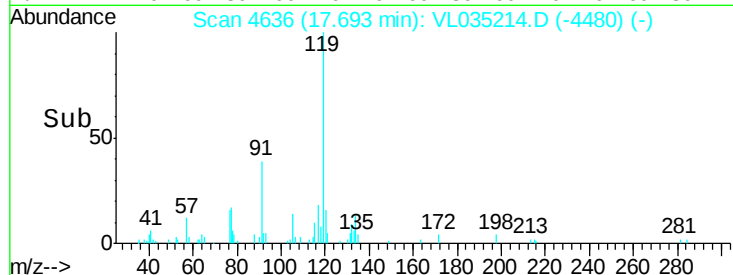
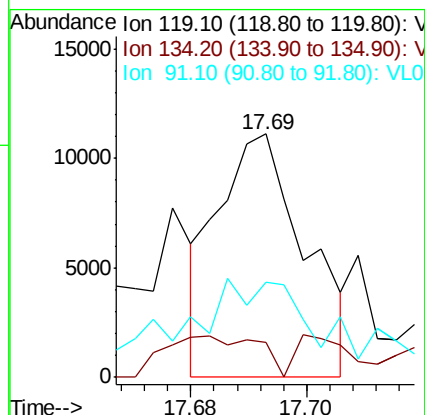
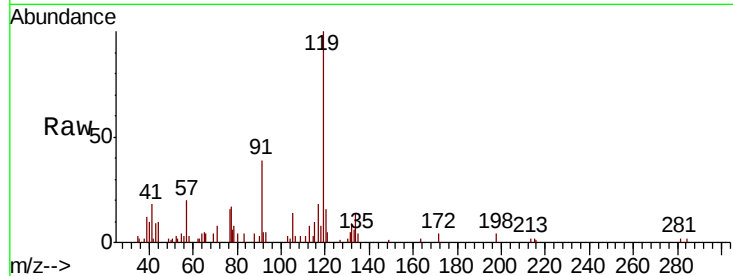




#69
 p-Isopropyltoluene
 Concen: 0.033 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.00 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

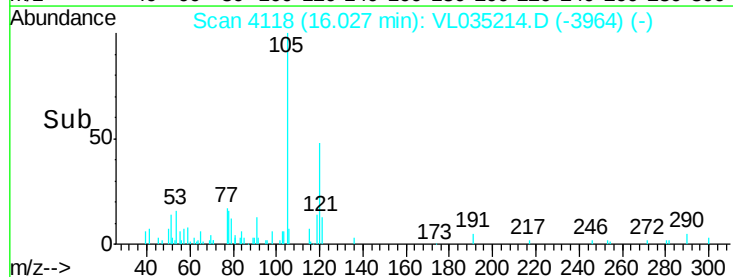
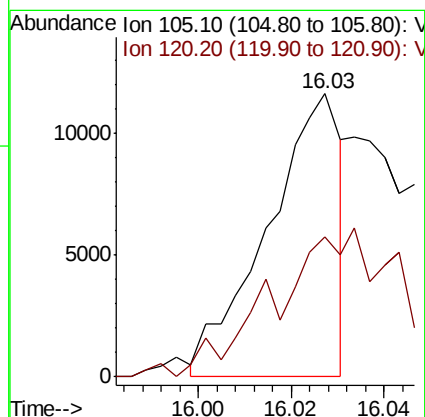
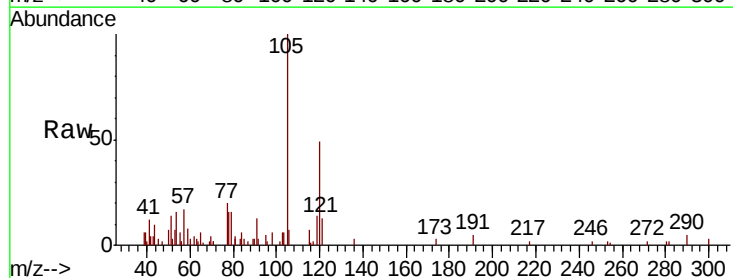
Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOOR-EAST-CLASSROOM

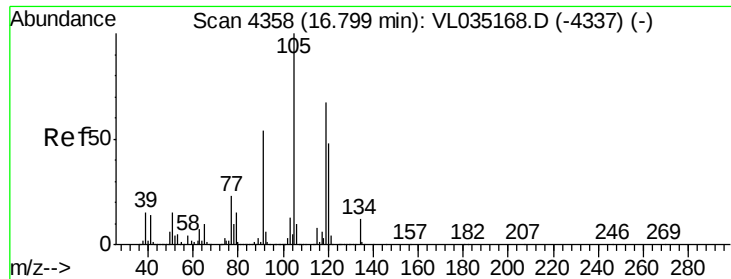
Tot Ion:119 Resp: 11606
 Ion Ratio Lower Upper
 119 100
 134 39.3 20.8 31.2#
 91 75.4 24.9 37.3#



#73
 1,3,5-Trimethylbenzene
 Concen: 0.050 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VL035214.D
 Acq: 21 Jul 2020 16:38

Tgt Ion:105 Resp: 12828
 Ion Ratio Lower Upper
 105 100
 120 51.4 36.2 54.2





#74

1,2,4-Trimethylbenzene

Concen: 0.142 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

Instrument :

MSVOA_L

ClientSampleId :

1ST-FLOOR-EAST-CLASSROOM

Tot Ion:105 Resp: 39922

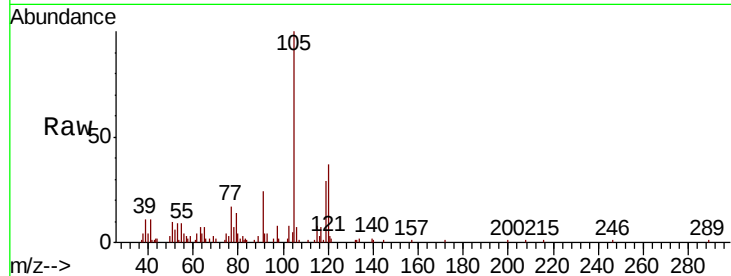
Ion Ratio Lower Upper

105 100

120 27.9 38.6 57.8#

91 15.2 43.6 65.4#

77 10.8 18.3 27.5#

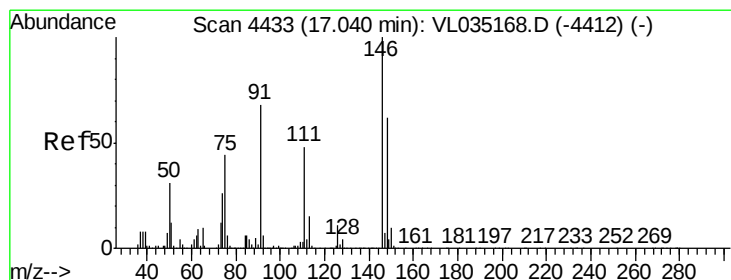
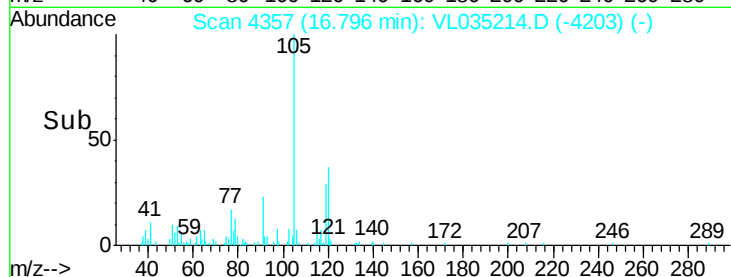
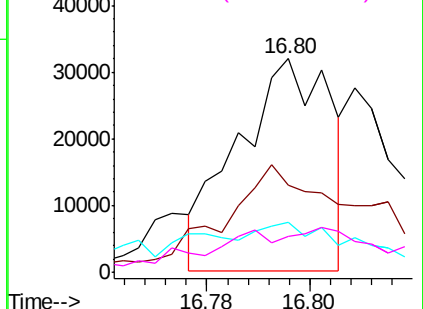


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.031 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL035214.D

Acq: 21 Jul 2020 16:38

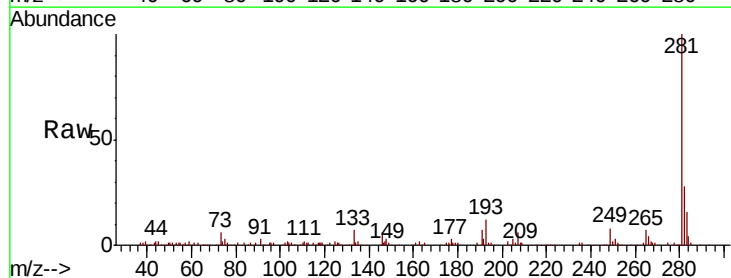
Tgt Ion:146 Resp: 5526

Ion Ratio Lower Upper

146 100

111 0.0 24.7 74.1#

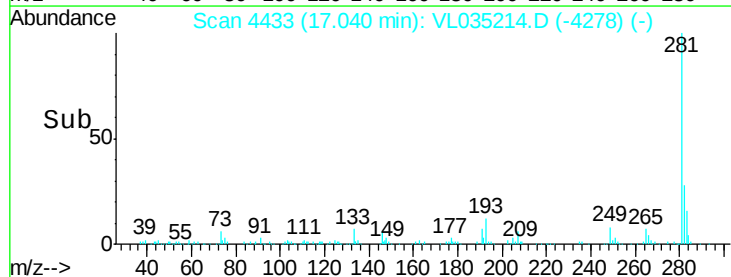
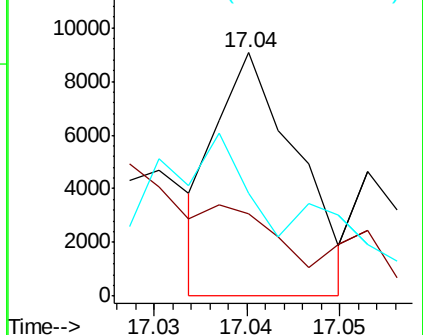
148 270.8 32.4 97.0#

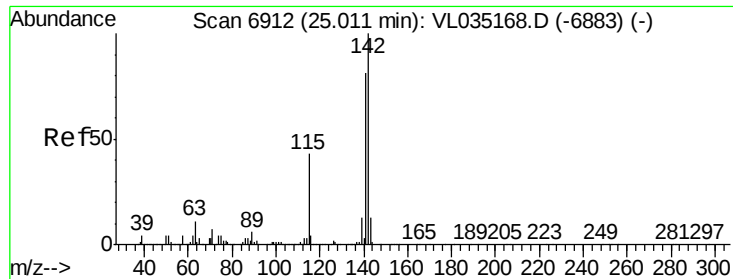


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

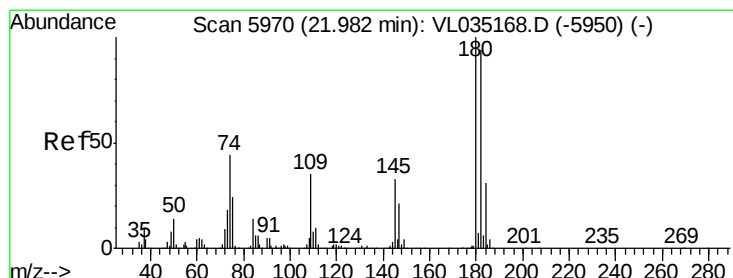
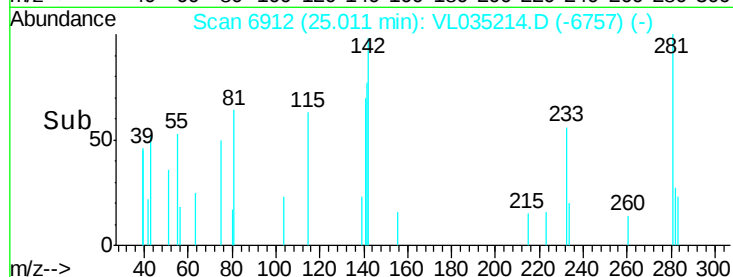
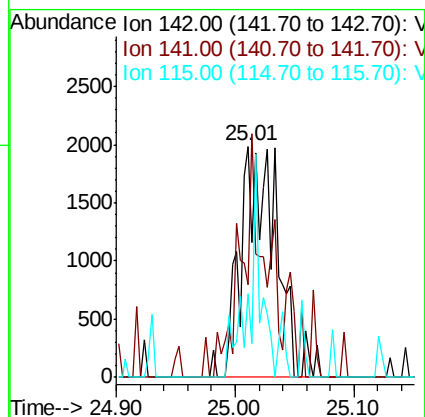
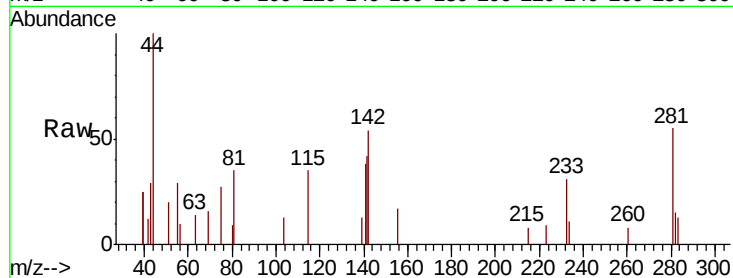




#80
Naphthalene, 2-methyl-
Concen: 0.097 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.00 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

Instrument :
MSVOA_L
ClientSampleId :
1ST-FLOOR-EAST-CLASSROOM

Tot Ion:142 Resp: 4154
Ion Ratio Lower Upper
142 100
141 85.7 68.2 102.4
115 41.4 34.4 51.6



#81
1,2,4-Trichlorobenzene
Concen: 0.034 ppbv
RT: 21.99 min Scan# 5973
Delta R.T. 0.01 min
Lab File: VL035214.D
Acq: 21 Jul 2020 16:38

Tgt Ion:180 Resp: 3915
Ion Ratio Lower Upper
180 100
182 0.0 76.7 115.1#
184 49.3 25.0 37.6#

