

Data File : VL034747.D

Acq On : 28 Feb 2020 21:48

Operator : SY/AP

Sample : L1661-07

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

Quant Time: Mar 02 04:36:29 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 01:15:02 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	1023749	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2102788	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2166381	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1795582	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	2.93	51	4937555	44.691	ppbv #	58
4) Chloromethane	3.10	50	7222	0.117	ppbv #	82
5) Vinyl Chloride	3.22	62	1580	0.026	ppbv #	88
7) Chloroethane	3.53	64	7561	0.336	ppbv #	78
9) Propene	2.98	41	20169	0.437	ppbv #	15
10) Heptane	8.14	43	22297	0.188	ppbv #	49
11) Trichlorofluoromethane	3.93	101	63440	0.448	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	6107	0.061	ppbv #	57
13) Ethanol	3.59	45	2386793	163.598	ppbv	98
15) Acetone	3.82	43	2256953	19.347	ppbv	99
16) 1,3-Butadiene	3.28	39	36127	0.669	ppbv #	15
17) tert-Butyl alcohol	4.29	59	504054	5.639	ppbv	99
19) Isopropyl Alcohol	3.96	45	4242610	61.057	ppbv #	98
20) Methylene Chloride	4.32	84	26091	0.601	ppbv #	85
21) Allyl Chloride	4.29	41	200567	2.599	ppbv #	70
22) trans-1,2-Dichloroethene	4.87	96	8171	0.187	ppbv #	73
23) Vinyl Acetate	5.05	43	82308	0.519	ppbv #	70
24) 1,1-Dichloroethane	5.00	63	3522	0.028	ppbv #	89
25) Ethyl Acetate	5.68	43	106219	0.514	ppbv #	85
26) Hexane	5.69	57	49904	0.524	ppbv #	89
27) Carbon Disulfide	4.53	76	24996	0.231	ppbv #	70
28) Methyl tert-Butyl Ether	5.03	73	5681	0.042	ppbv	97
29) Chloroform	5.75	83	125849	0.830	ppbv	93
30) Cyclohexane	7.14	84	8087	0.110	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	148858	1.589	ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	5861	0.041	ppbv #	1
34) 2-Butanone	5.24	43	386775	2.922	ppbv	97
35) Carbon Tetrachloride	7.02	117	2861	0.020	ppbv #	82
36) Benzene	6.90	78	59949	0.330	ppbv #	93
37) 1,2-Dichloroethane	6.30	62	3345	0.029	ppbv #	86
38) Trichloroethene	7.85	130	961391	13.733	ppbv	99
39) 1,2-Dichloropropane	7.19	63	607079	8.402	ppbv #	22
41) Tetrahydrofuran	6.06	42	200408	2.869	ppbv	99
42) Bromodichloromethane	7.81	83	3785	0.025	ppbv #	30
44) 2,2,4-Trimethylpentane	7.88	57	154821	0.488	ppbv #	78
50) 4-Methyl-2-Pentanone	8.76	43	115516	0.616	ppbv	96
51) 2-Hexanone	10.15	43	6238	0.042	ppbv #	28
53) Toluene	9.83	91	781427	4.045	ppbv	99
58) Ethyl Benzene	12.74	91	212400	0.810	ppbv	92
59) m/p-Xylene	13.00	91	664765	2.908	ppbv	99
60) o-Xylene	13.72	91	269144	1.186	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\
Quantitation Report (Not Reviewed)

Data File : VL034747.D
Acq On : 28 Feb 2020 21:48
Operator : SY/AP
Sample : L1661-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

Quant Time: Mar 02 04:36:29 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 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

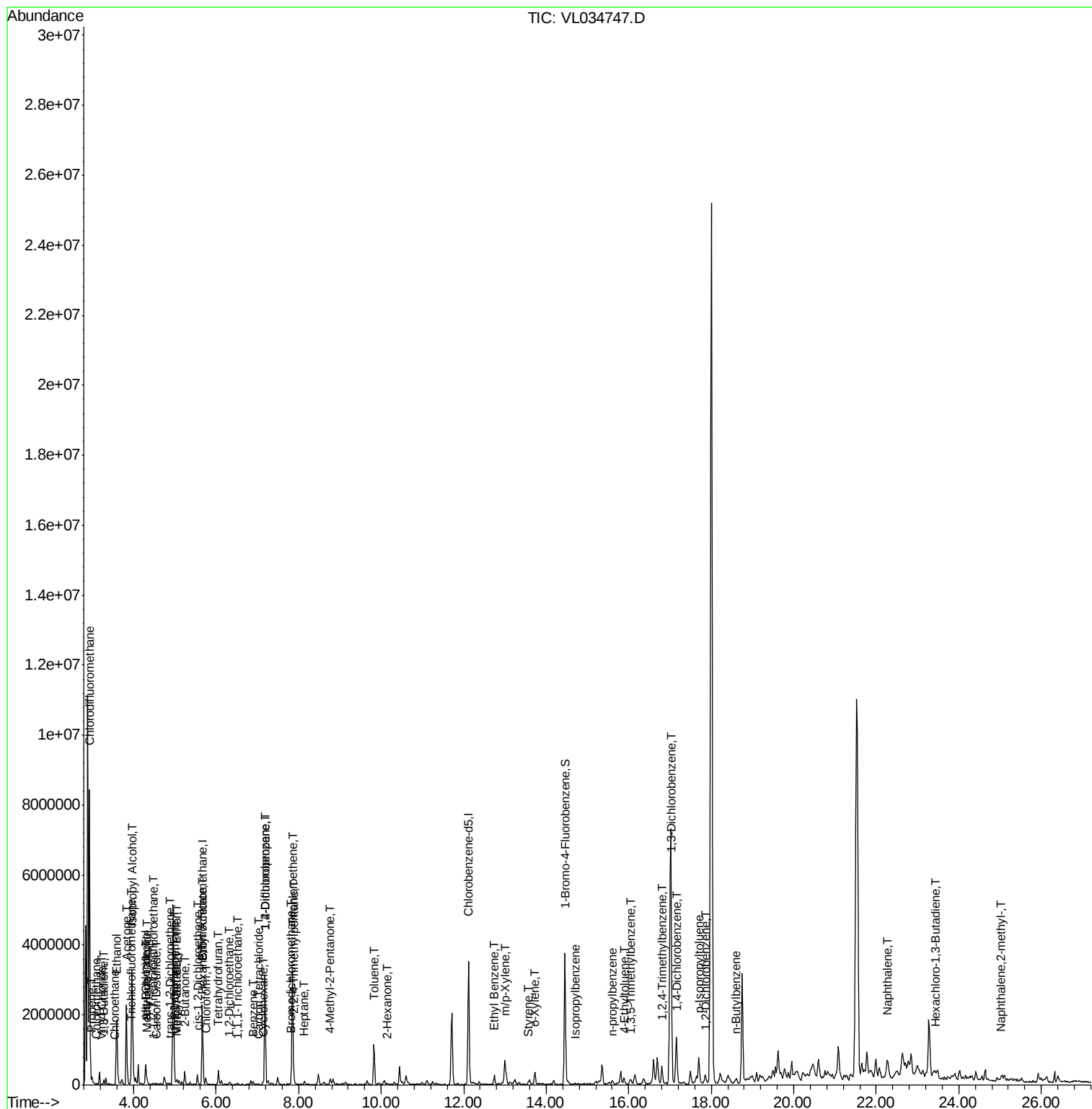
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Styrene	13.56	104	17800	0.122	ppbv #	77
62) Isopropylbenzene	14.70	105	17004	0.051	ppbv #	76
64) n-propylbenzene	15.60	120	4254	0.050	ppbv #	1
69) p-Isopropyltoluene	17.70	119	516970	1.527	ppbv	94
70) n-Butylbenzene	18.62	91	10487	0.028	ppbv #	1
72) 4-Ethyltoluene	15.88	105	92485	0.366	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.04	105	51878	0.214	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.81	105	360330	1.343	ppbv #	66
75) 1,3-Dichlorobenzene	17.04	146	3948	0.025	ppbv #	22
76) 1,4-Dichlorobenzene	17.18	146	27121	0.175	ppbv #	82
77) 1,2-Dichlorobenzene	17.87	146	3129	0.021	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.44	225	4406	0.034	ppbv #	20
79) Naphthalene	22.26	128	33549	0.142	ppbv	95
80) Naphthalene,2-methyl-	25.02	142	18028	0.248	ppbv #	93

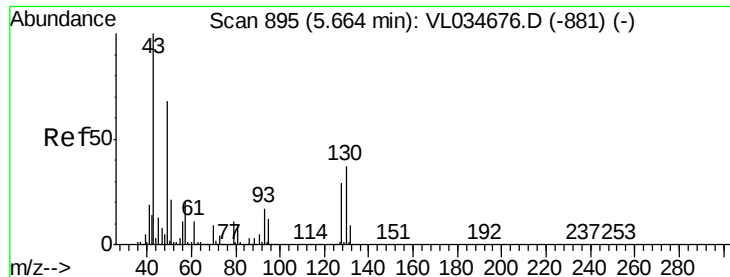
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

SG-7-TEACHER-WORKROOM

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

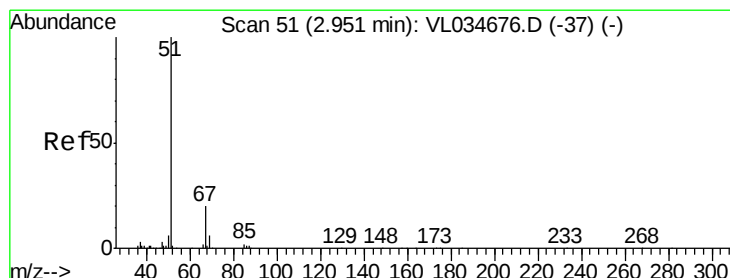
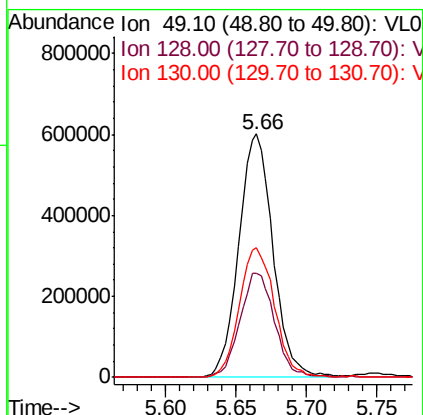
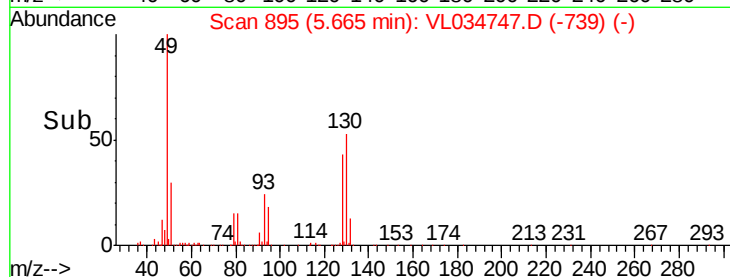
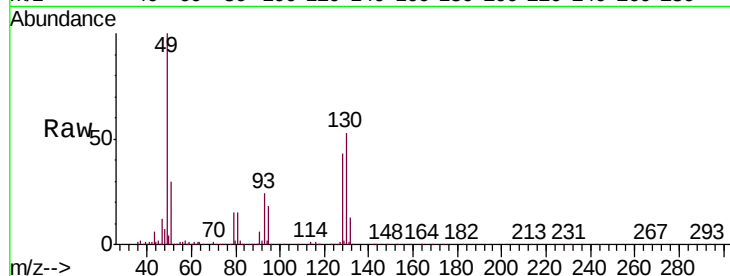
Tgt Ion: 49 Resp: 1023749

Ion Ratio Lower Upper

49 100

128 43.9 21.6 65.0

130 54.9 27.7 83.1



#3

Chlorodifluoromethane

Concen: 44.691 ppbv

RT: 2.93 min Scan# 44

Delta R.T. -0.02 min

Lab File: VL034747.D

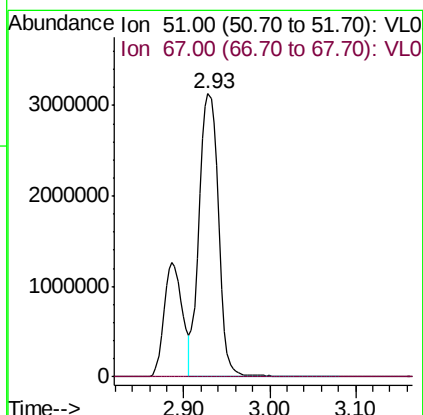
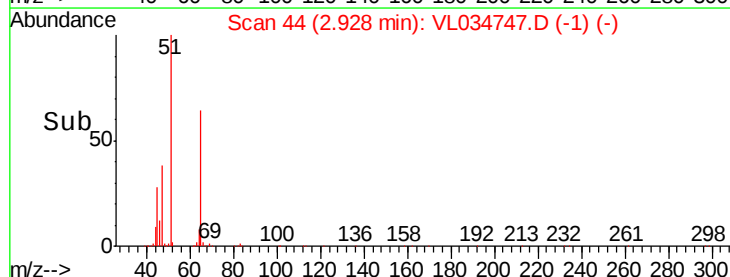
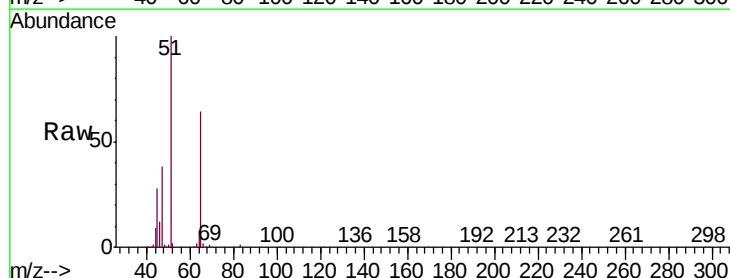
Acq: 28 Feb 2020 21:48

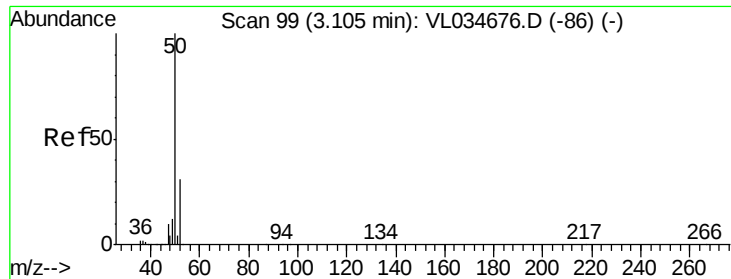
Tgt Ion: 51 Resp: 4937555

Ion Ratio Lower Upper

51 100

67 0.2 15.5 23.3#





#4

Chloromethane

Concen: 0.117 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

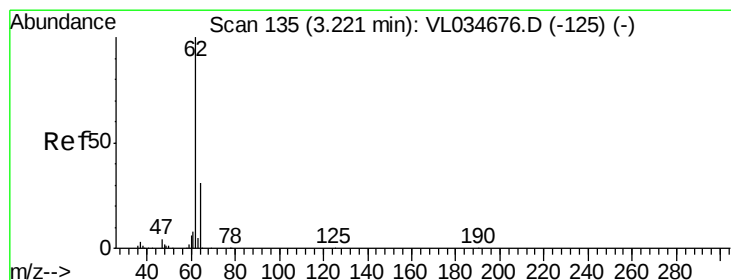
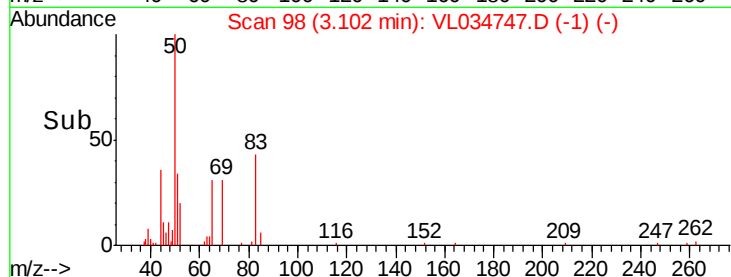
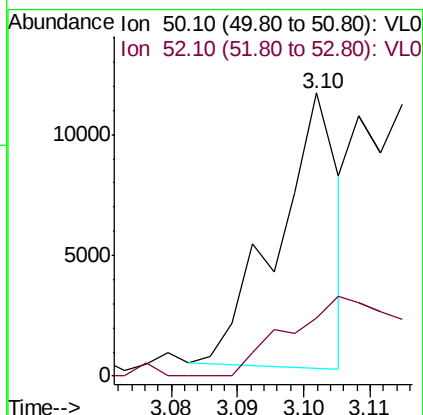
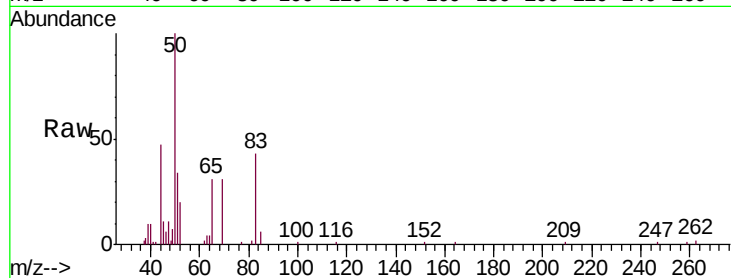
SG-7-TEACHER-WORKROOM

Tgt Ion: 50 Resp: 7222

Ion Ratio Lower Upper

50 100

52 21.5 25.0 37.4#



#5

Vinyl Chloride

Concen: 0.026 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034747.D

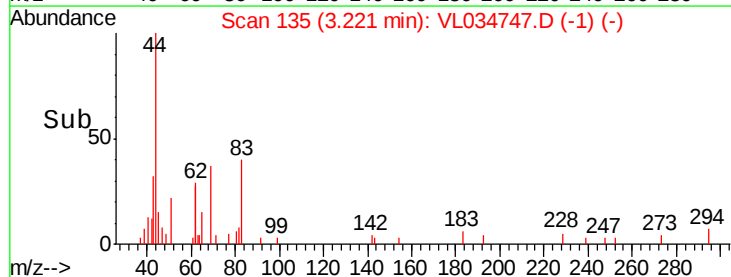
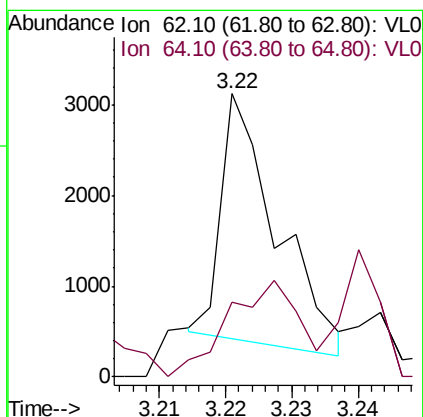
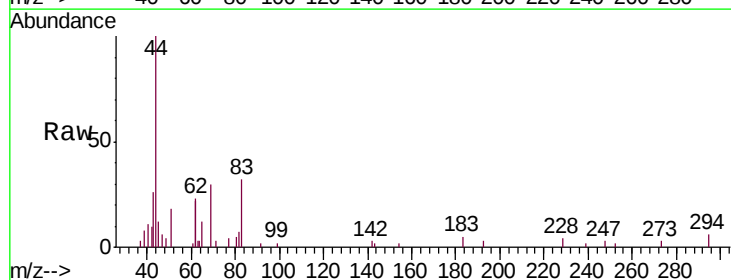
Acq: 28 Feb 2020 21:48

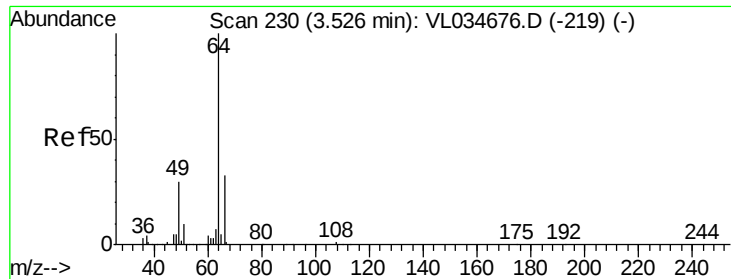
Tgt Ion: 62 Resp: 1580

Ion Ratio Lower Upper

62 100

64 24.2 24.7 37.1#





#7

Chloroethane

Concen: 0.336 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

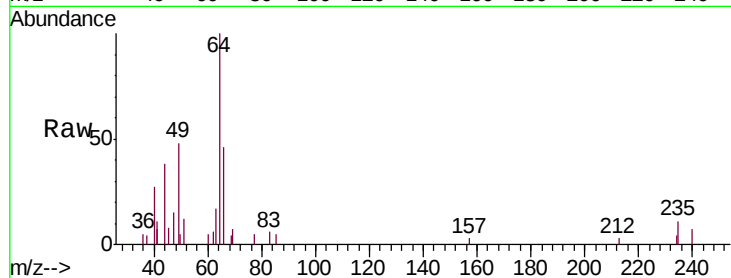
SG-7-TEACHER-WORKROOM

Tgt Ion: 64 Resp: 7561

Ion Ratio Lower Upper

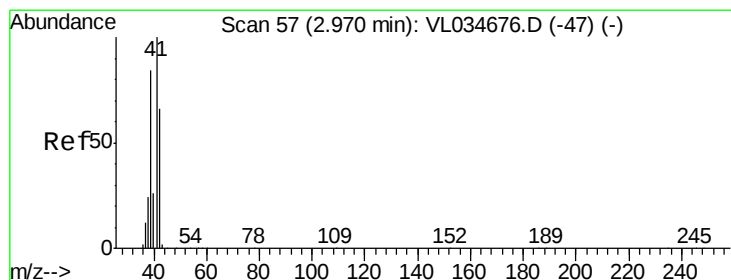
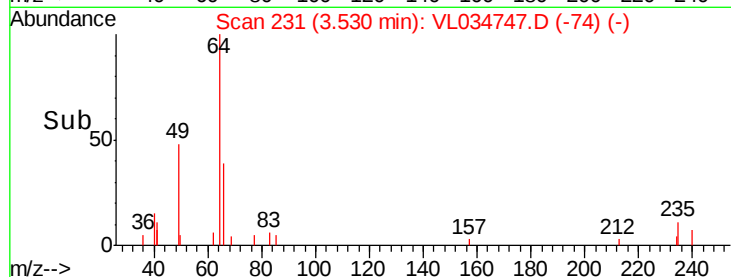
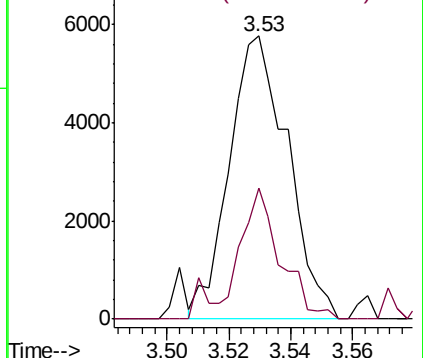
64 100

66 46.1 26.7 40.1#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.437 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034747.D

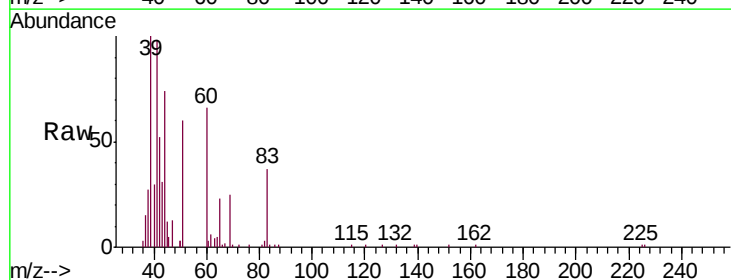
Acq: 28 Feb 2020 21:48

Tgt Ion: 41 Resp: 20169

Ion Ratio Lower Upper

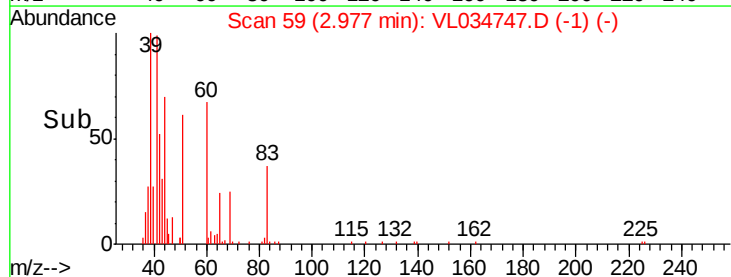
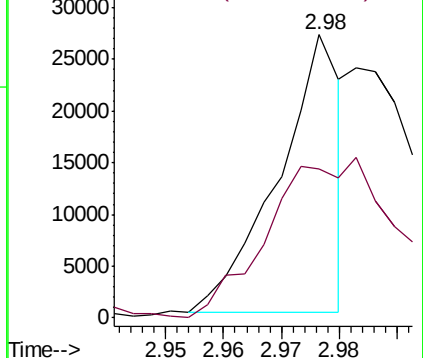
41 100

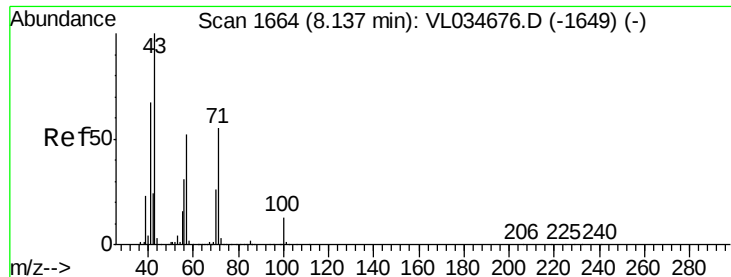
42 0.0 54.9 82.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.188 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

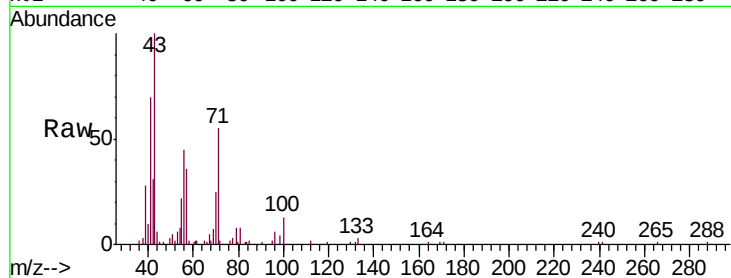
SG-7-TEACHER-WORKROOM

Tgt Ion: 43 Resp: 22297

Ion Ratio Lower Upper

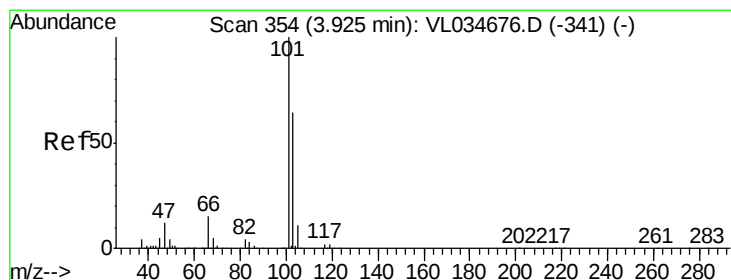
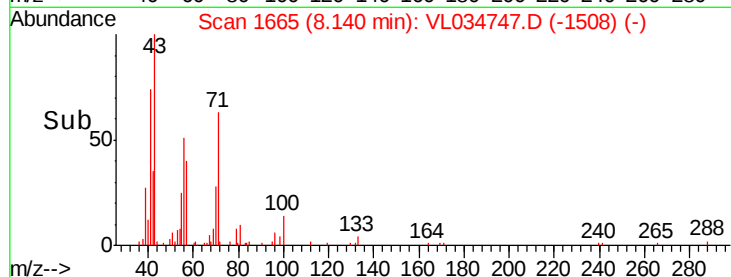
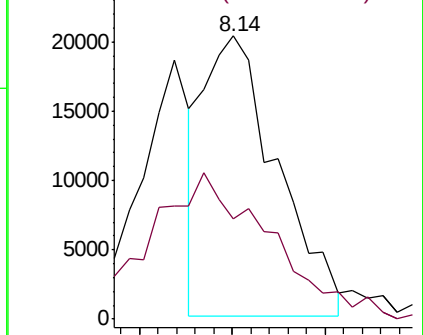
43 100

57 87.1 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.448 ppbv

RT: 3.93 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034747.D

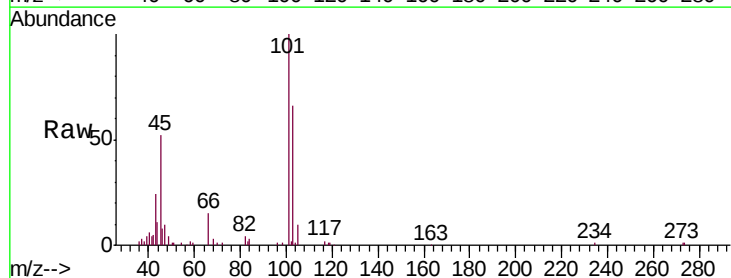
Acq: 28 Feb 2020 21:48

Tgt Ion: 101 Resp: 63440

Ion Ratio Lower Upper

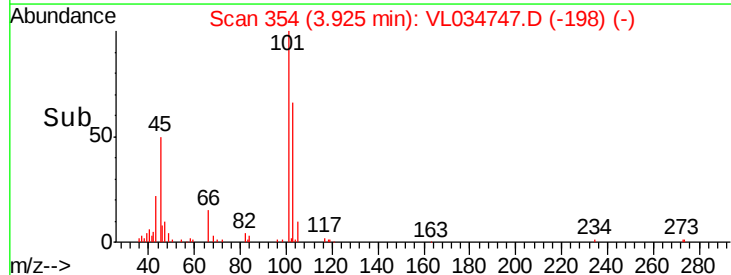
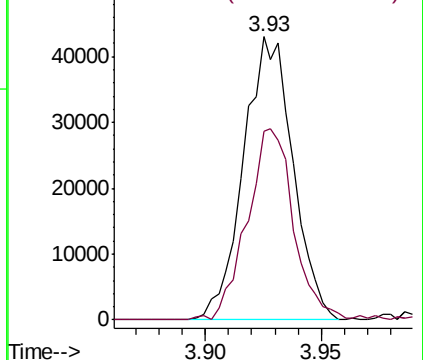
101 100

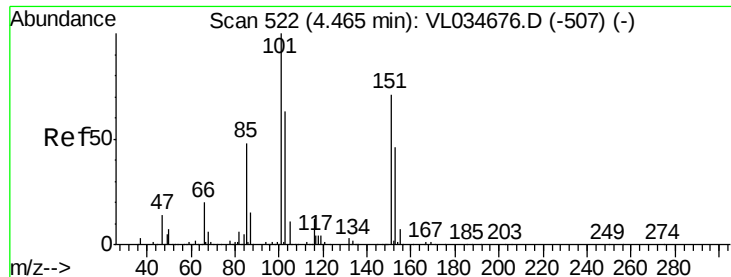
103 66.5 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.061 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

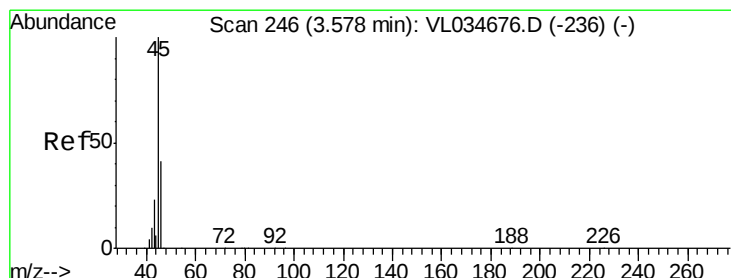
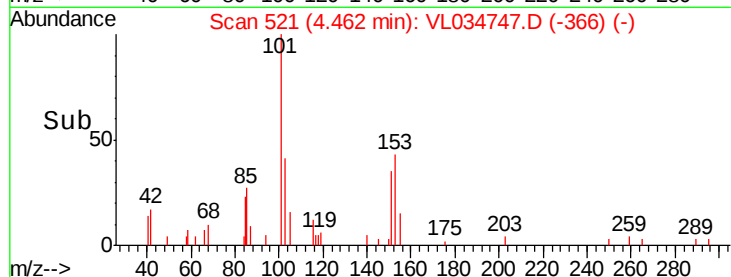
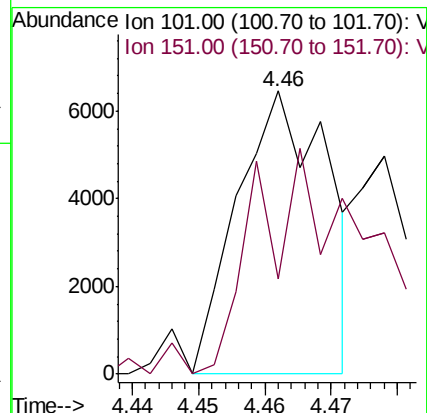
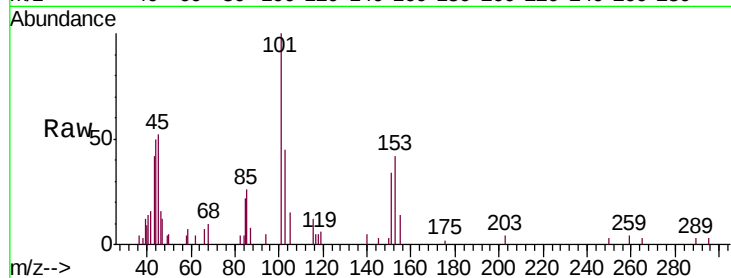
SG-7-TEACHER-WORKROOM

Tgt Ion:101 Resp: 6107

Ion Ratio Lower Upper

101 100

151 105.1 55.8 83.6#



#13

Ethanol

Concen: 163.598 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL034747.D

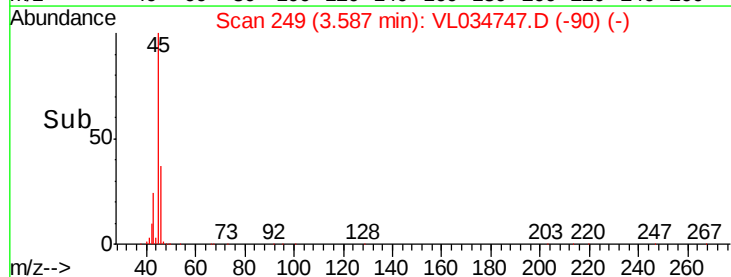
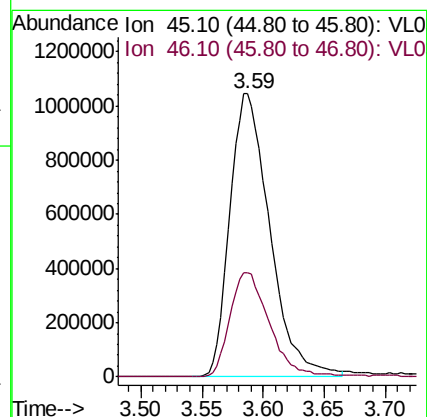
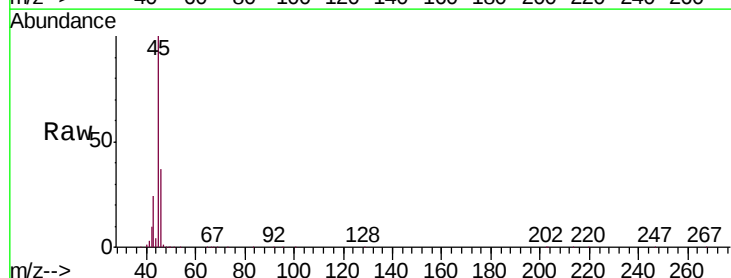
Acq: 28 Feb 2020 21:48

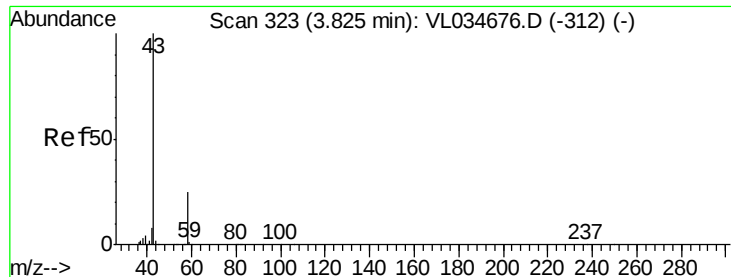
Tgt Ion: 45 Resp: 2386793

Ion Ratio Lower Upper

45 100

46 37.1 15.4 61.4

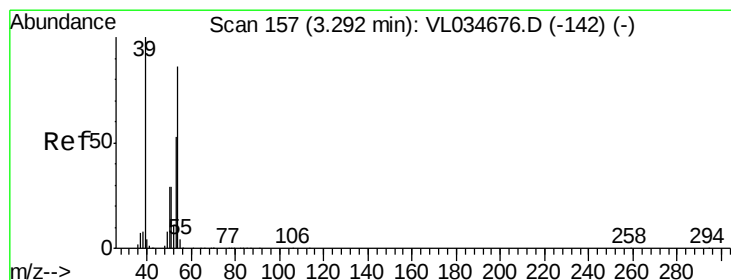
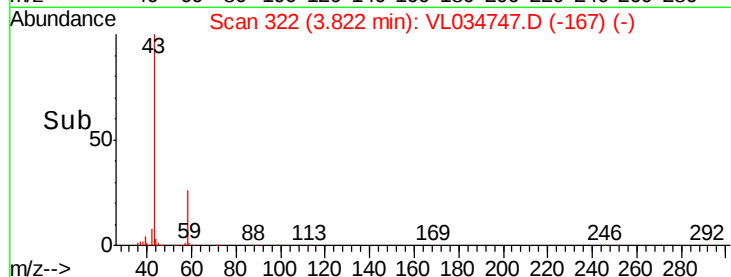
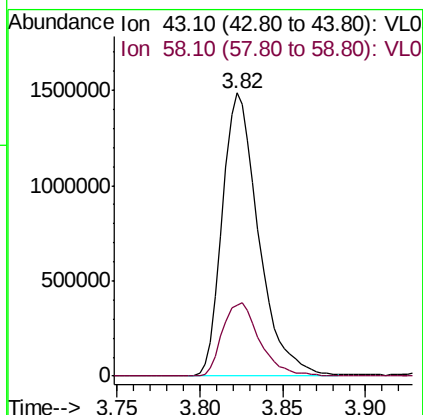
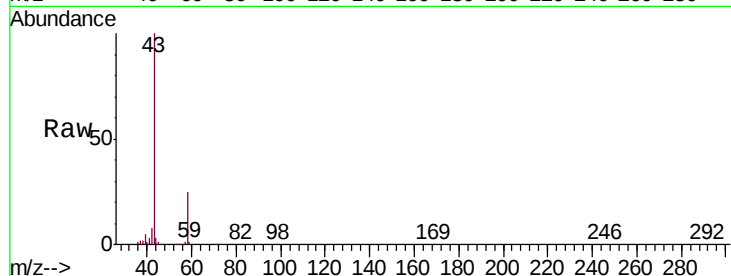




#15
Acetone
Concen: 19.347 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

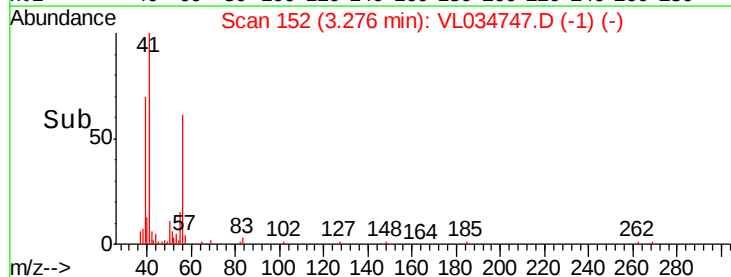
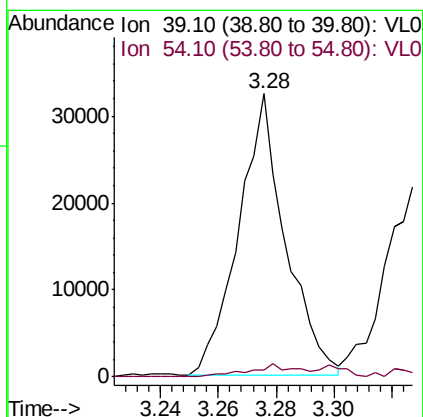
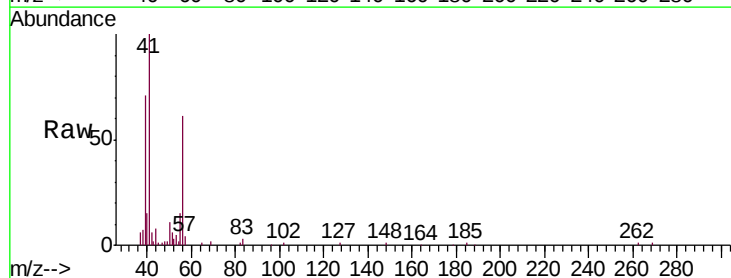
Instrument :
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SG-7-TEACHER-WORKROOM

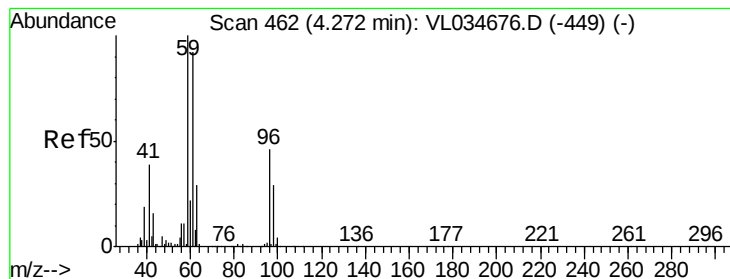
Tgt Ion: 43 Resp: 2256953
Ion Ratio Lower Upper
43 100
58 27.0 21.4 32.0



#16
1,3-Butadiene
Concen: 0.669 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.02 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 39 Resp: 36127
Ion Ratio Lower Upper
39 100
54 6.8 67.0 100.6#





#17

tert-Butyl alcohol

Concen: 5.639 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.02 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

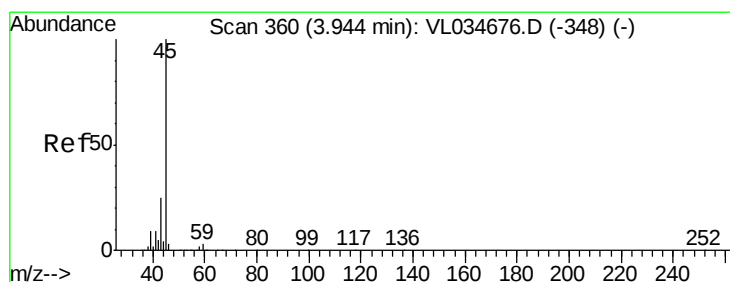
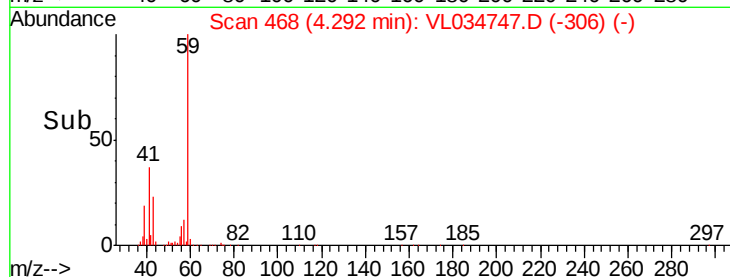
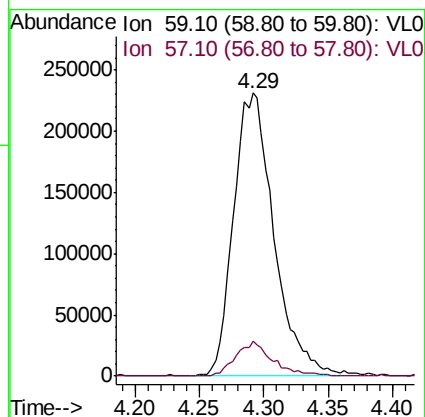
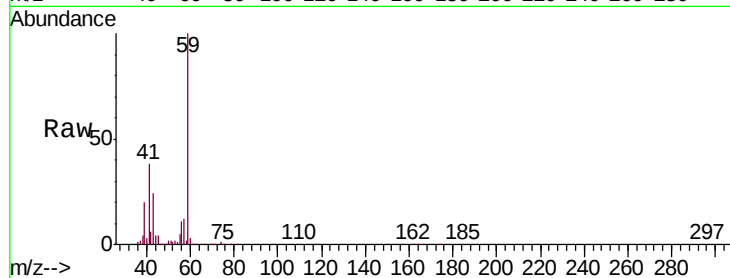
SG-7-TEACHER-WORKROOM

Tgt Ion: 59 Resp: 504054

Ion Ratio Lower Upper

59 100

57 11.3 8.8 13.2



#19

Isopropyl Alcohol

Concen: 61.057 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034747.D

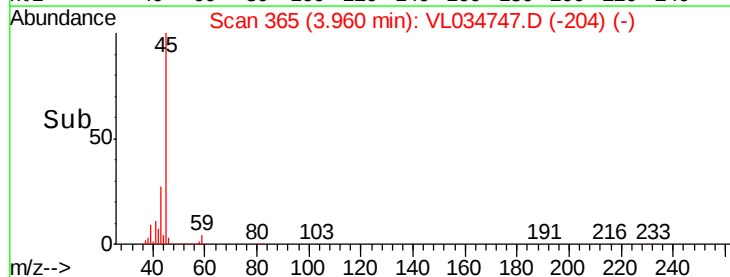
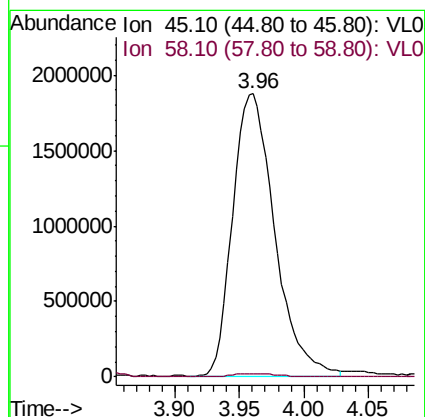
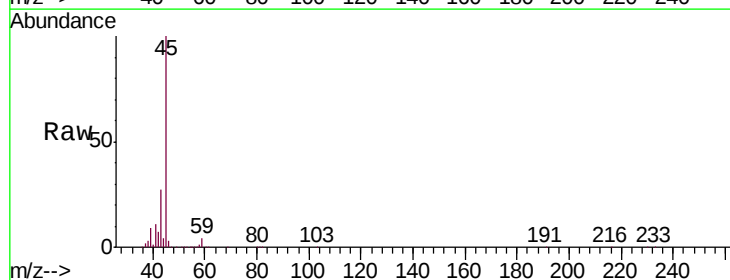
Acq: 28 Feb 2020 21:48

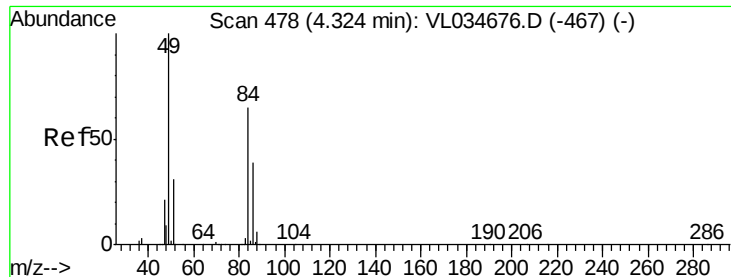
Tgt Ion: 45 Resp: 4242610

Ion Ratio Lower Upper

45 100

58 1.4 1.8 2.6#

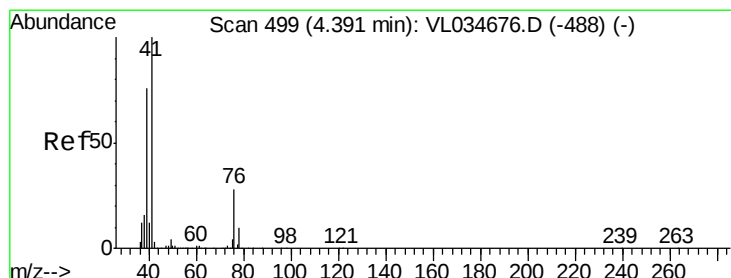
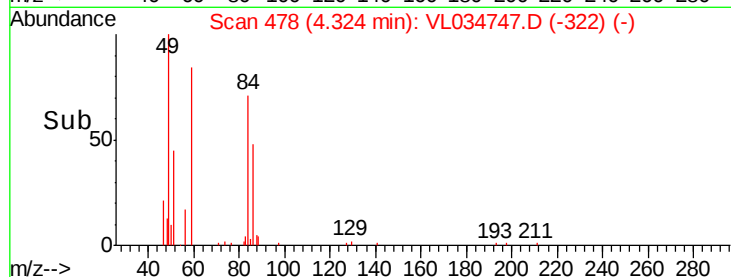
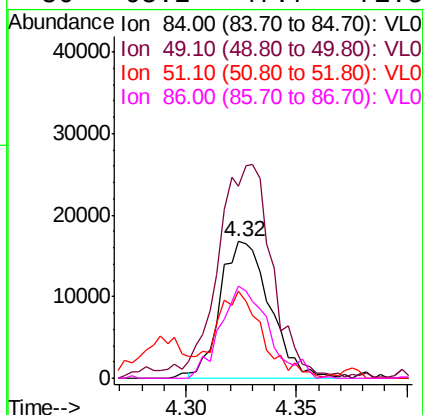
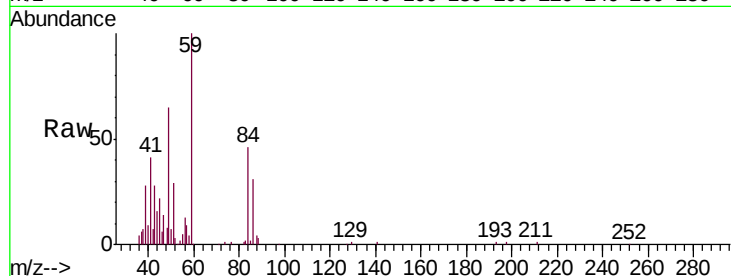




#20
Methylene Chloride
Concen: 0.601 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

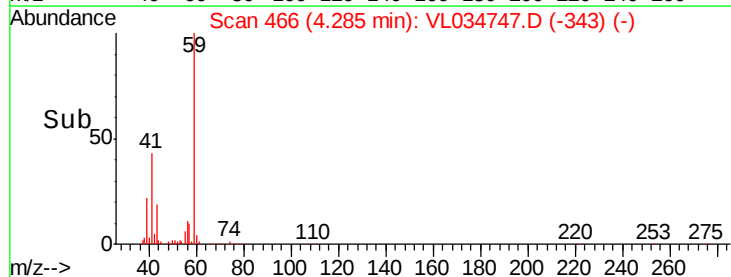
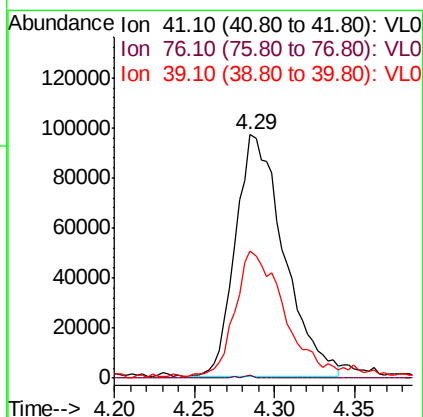
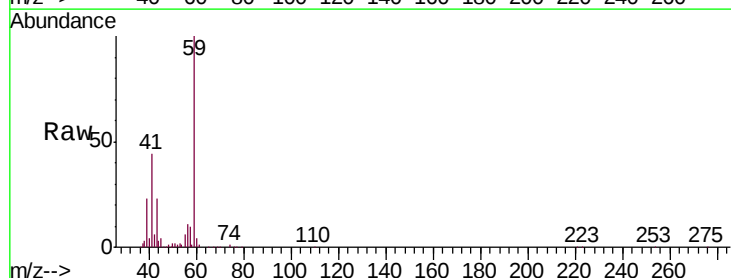
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

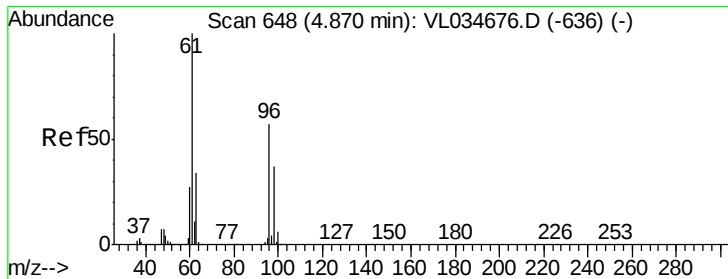
Tgt Ion: 84 Resp: 26091
Ion Ratio Lower Upper
84 100
49 137.8 122.8 184.2
51 67.3 38.6 58.0#
86 68.2 47.7 71.5



#21
Allyl Chloride
Concen: 2.599 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.11 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 41 Resp: 200567
Ion Ratio Lower Upper
41 100
76 0.4 22.8 34.2#
39 58.9 61.7 92.5#





#22

trans-1,2-Dichloroethene

Concen: 0.187 ppbv

RT: 4.87 min Scan# 648

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

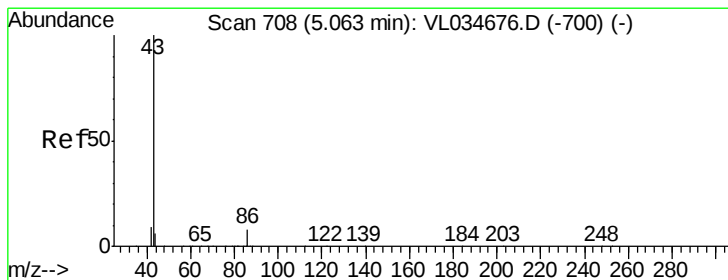
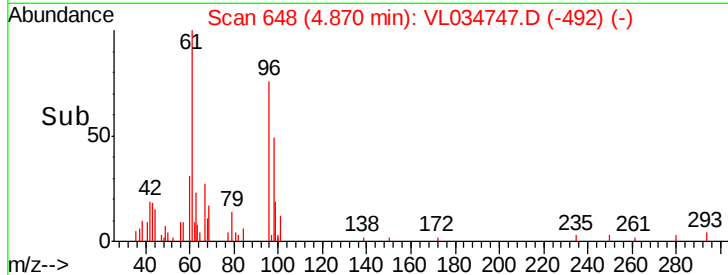
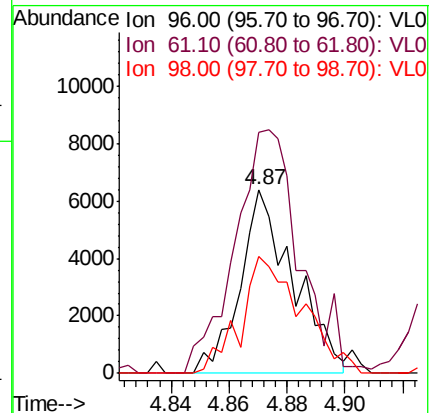
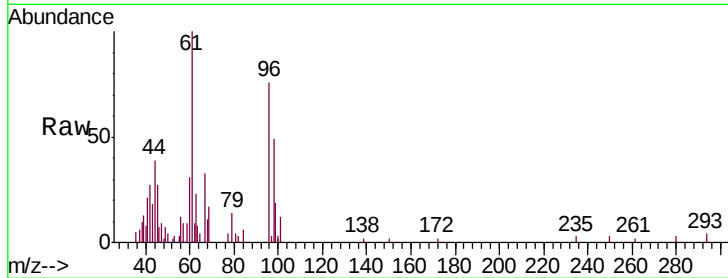
Tgt Ion: 96 Resp: 8171

Ion Ratio Lower Upper

96 100

61 127.0 139.4 209.0#

98 56.5 51.3 76.9



#23

Vinyl Acetate

Concen: 0.519 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Tgt Ion: 43 Resp: 82308

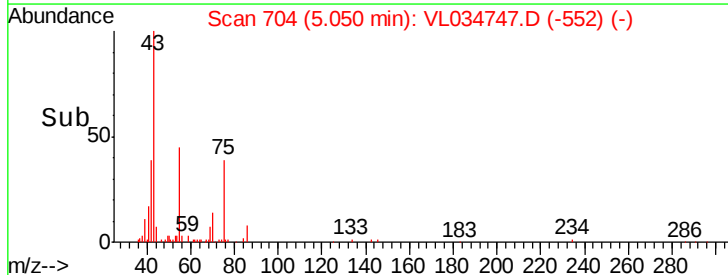
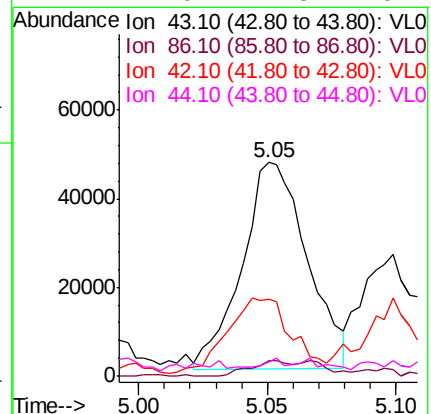
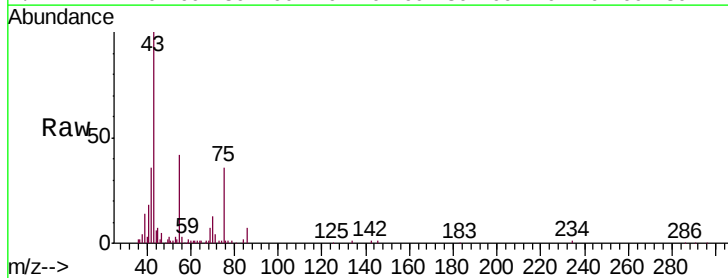
Ion Ratio Lower Upper

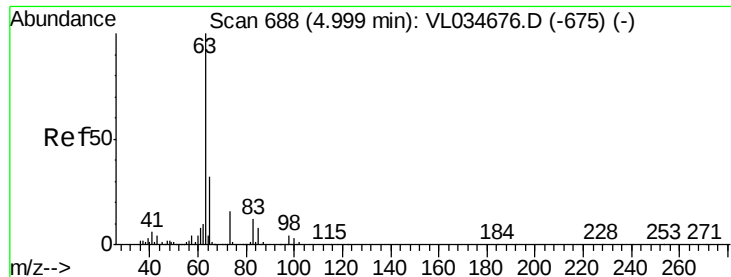
43 100

86 7.5 6.0 9.0

42 33.9 8.0 12.0#

44 2.0 4.5 6.7#





#24

1,1-Dichloroethane

Concen: 0.028 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

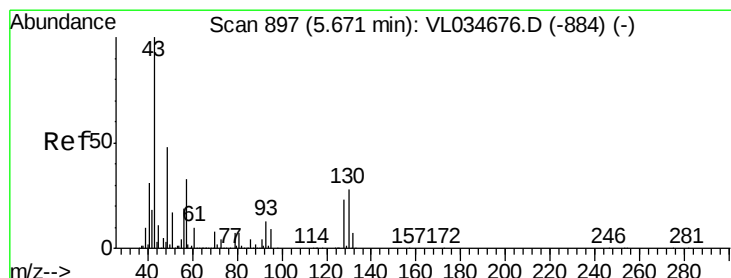
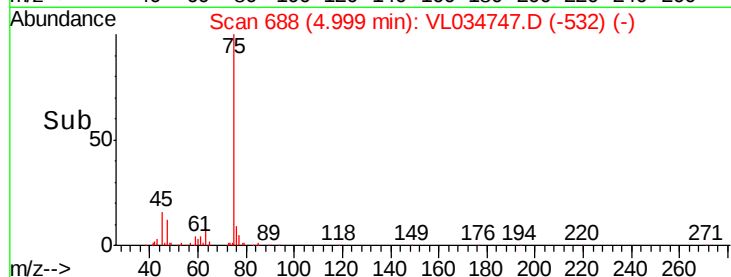
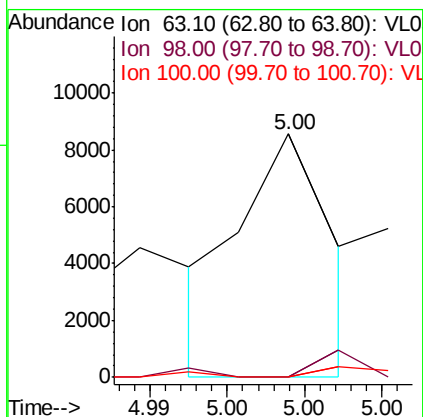
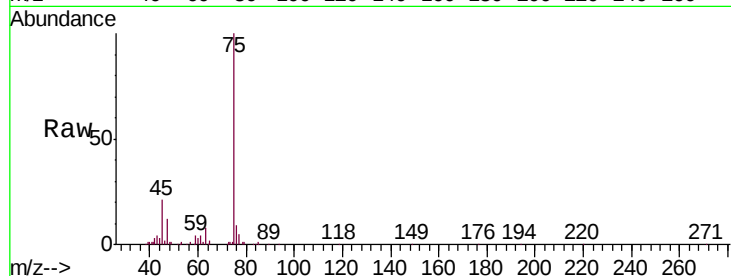
Tgt Ion: 63 Resp: 3522

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.2#

100 0.0 1.4 4.0#



#25

Ethyl Acetate

Concen: 0.514 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Tgt Ion: 43 Resp: 106219

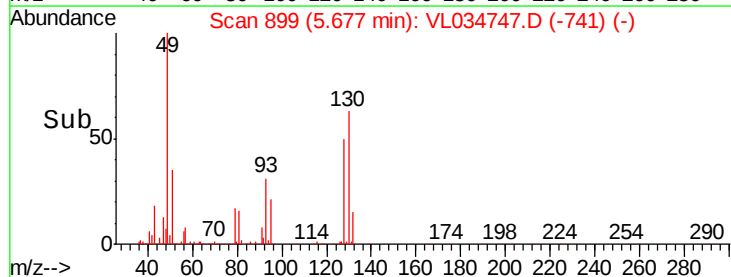
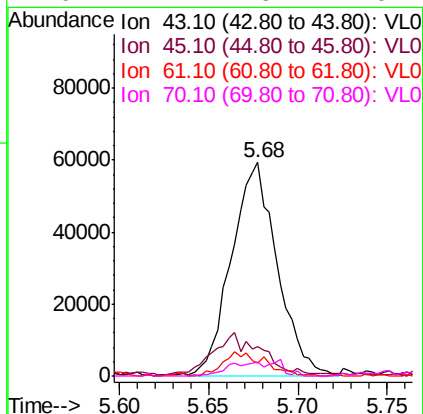
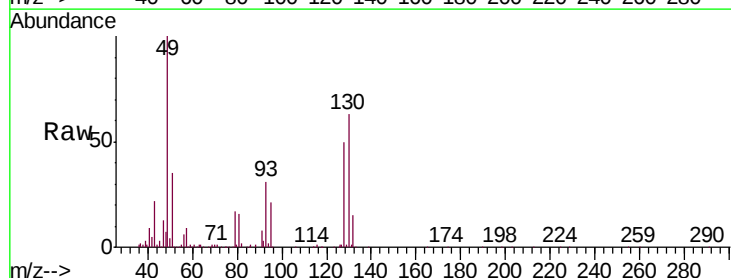
Ion Ratio Lower Upper

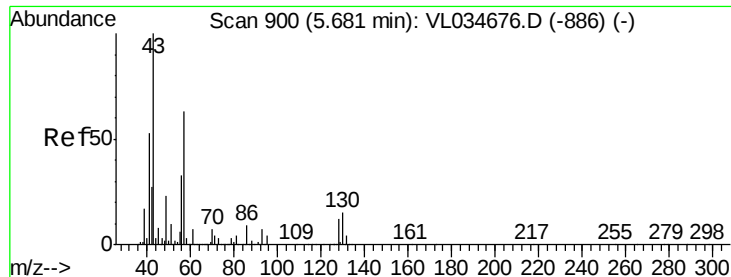
43 100

45 23.7 8.2 12.4#

61 10.9 7.8 11.6

70 7.4 6.1 9.1

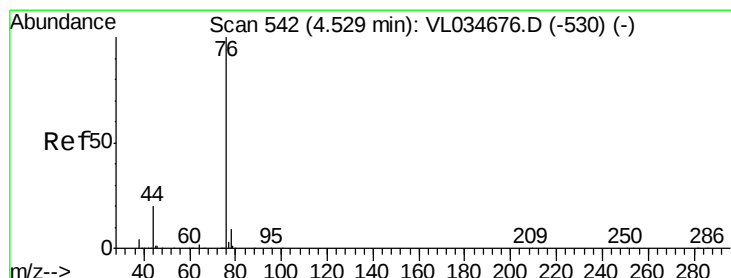
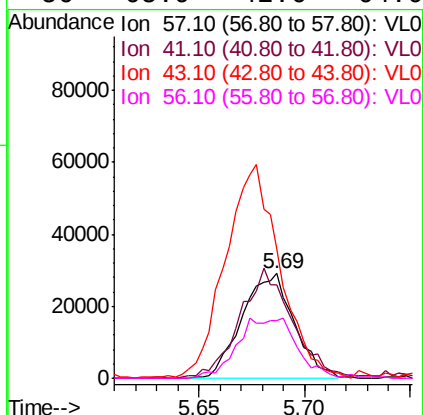
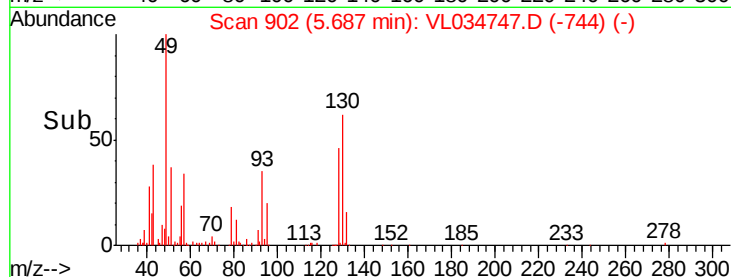
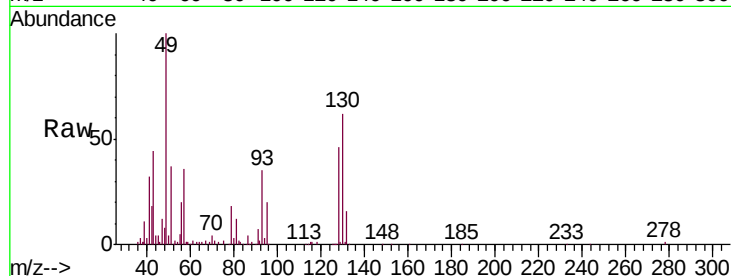




#26
Hexane
Concen: 0.524 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

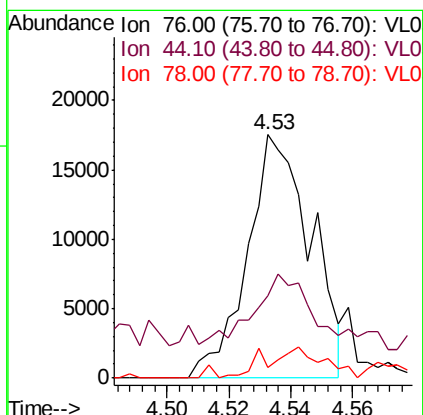
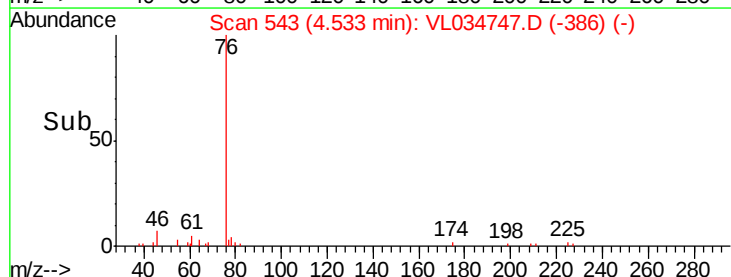
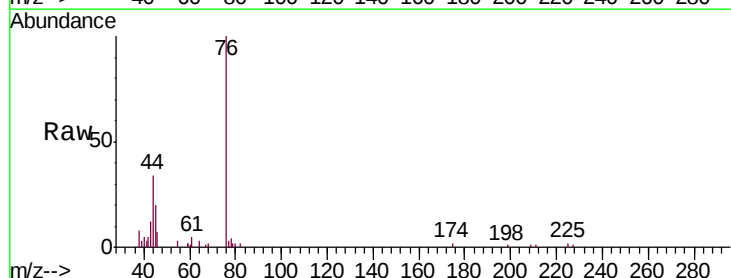
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

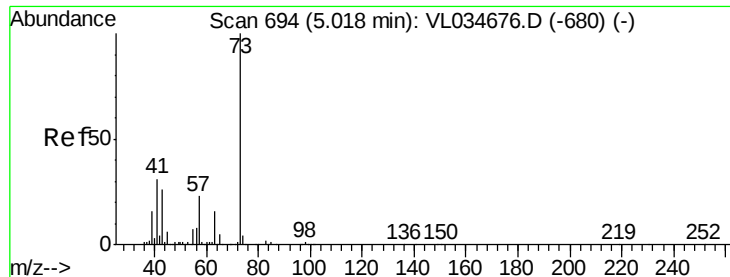
Tgt Ion:	57	Resp:	49904
Ion	Ratio	Lower	Upper
57	100		
41	106.6	70.3	105.5#
43	212.1	177.0	265.4
56	65.9	42.6	64.0#



#27
Carbon Disulfide
Concen: 0.231 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion:	76	Resp:	24996
Ion	Ratio	Lower	Upper
76	100		
44	34.6	15.3	22.9#
78	17.7	7.6	11.4#



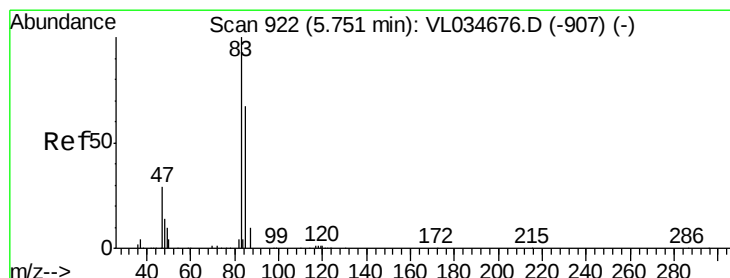
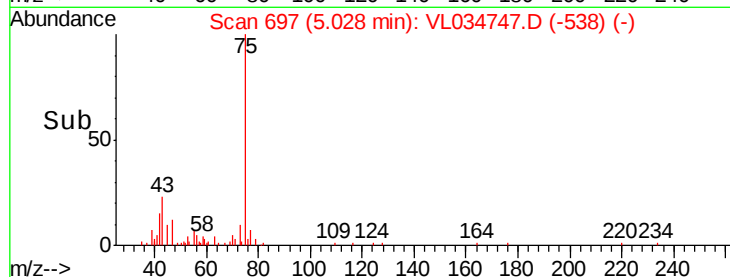
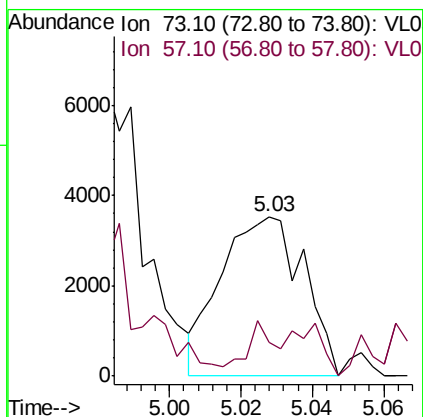
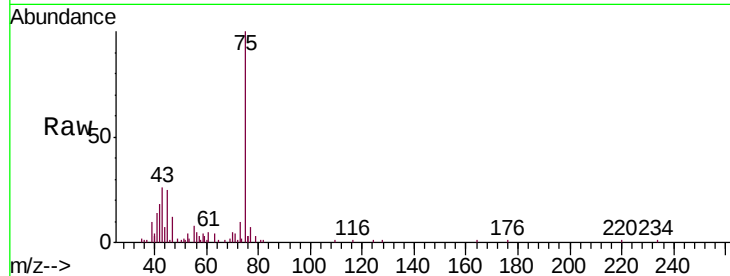


#28

Methyl tert-Butyl Ether
 Concen: 0.042 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-TEACHER-WORKROOM

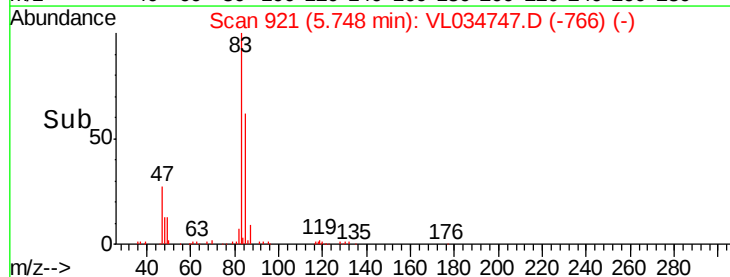
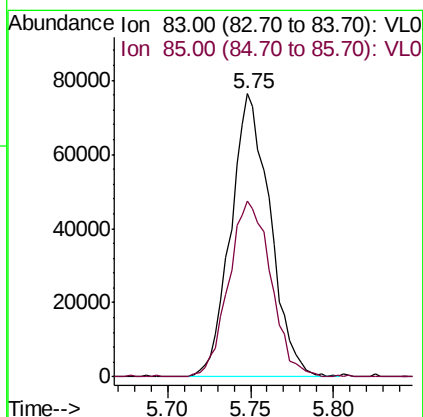
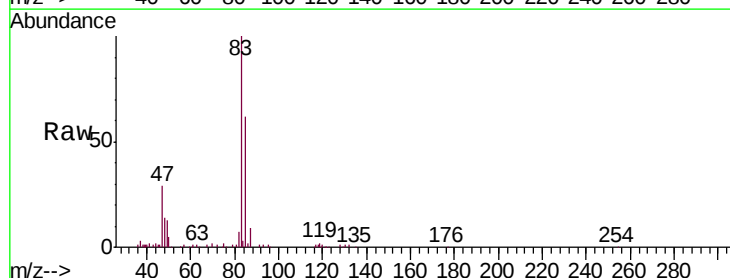
Tgt Ion: 73 Resp: 5681
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.6 28.0

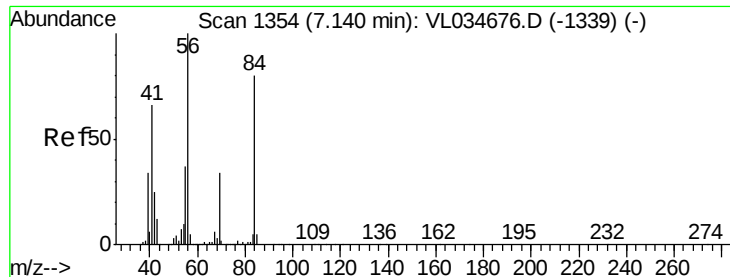


#29

Chloroform
 Concen: 0.830 ppbv
 RT: 5.75 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

Tgt Ion: 83 Resp: 125849
 Ion Ratio Lower Upper
 83 100
 85 62.0 53.9 80.9

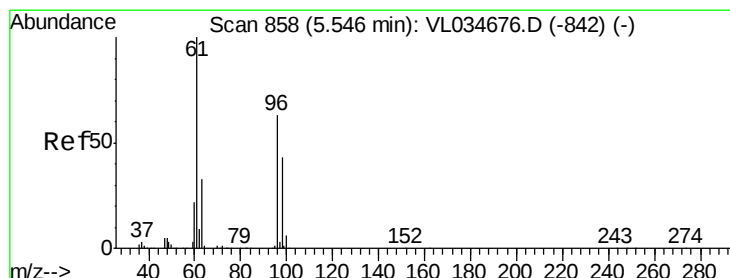
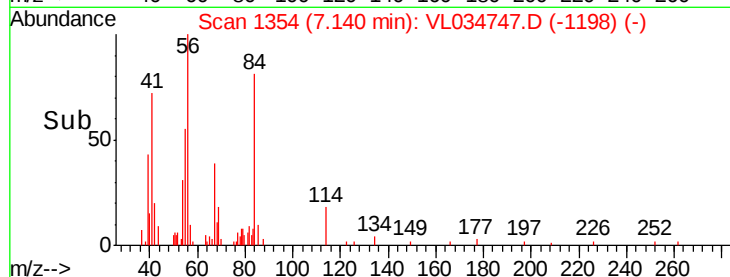
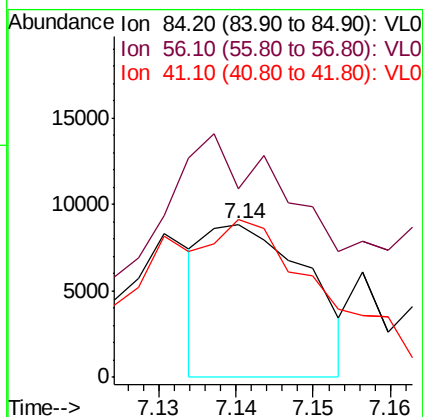
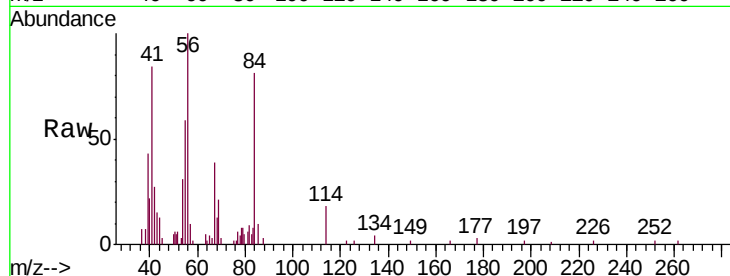




#30
Cyclohexane
Concen: 0.110 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

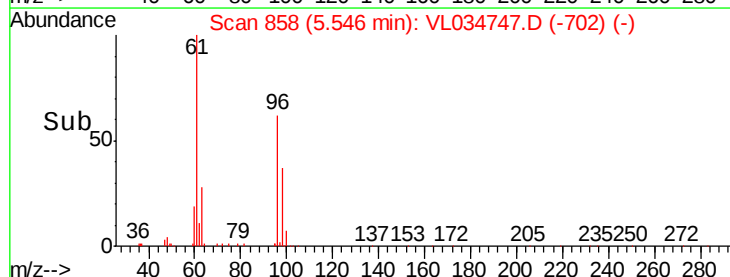
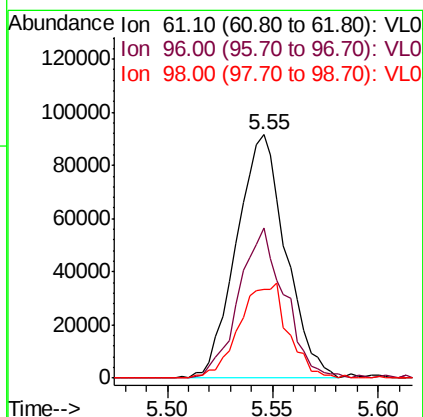
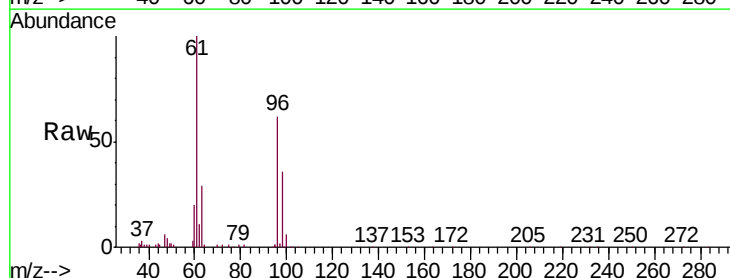
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

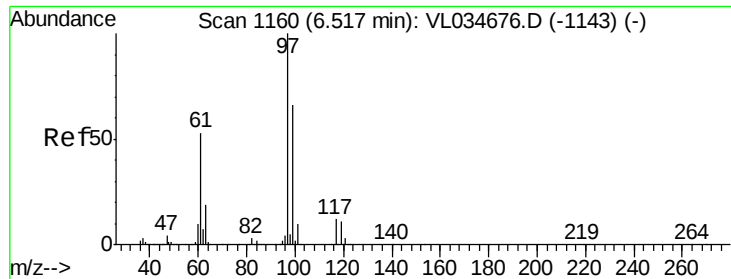
Tgt Ion: 84 Resp: 8087
Ion Ratio Lower Upper
84 100
56 0.0 113.4 170.2#
41 187.8 68.2 102.4#



#31
cis-1,2-Dichloroethene
Concen: 1.589 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 61 Resp: 148858
Ion Ratio Lower Upper
61 100
96 61.8 50.2 75.2
98 36.5 34.3 51.5





#32

1,1,1-Trichloroethane

Concen: 0.041 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

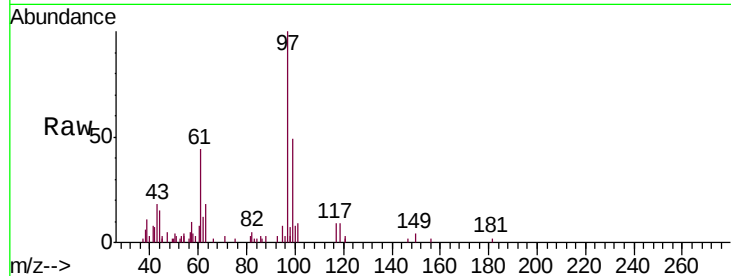
Tgt Ion: 97 Resp: 5861

Ion Ratio Lower Upper

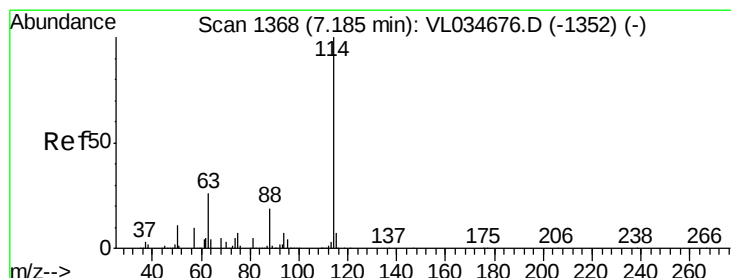
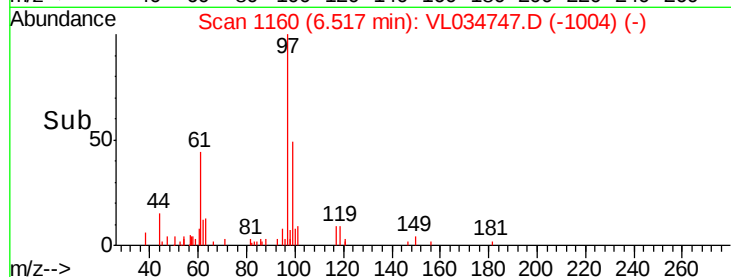
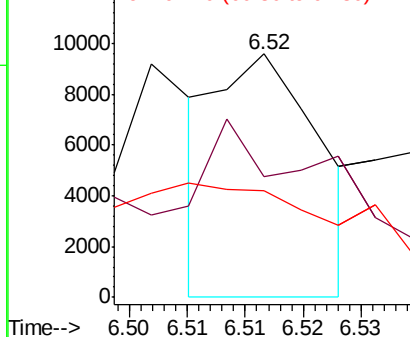
97 100

99 173.2 52.3 78.5#

61 0.0 42.8 64.2#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

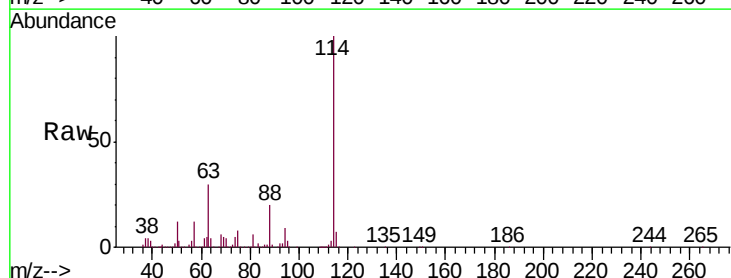
Tgt Ion: 114 Resp: 2102788

Ion Ratio Lower Upper

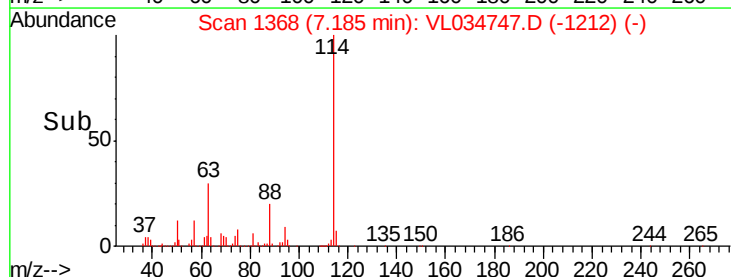
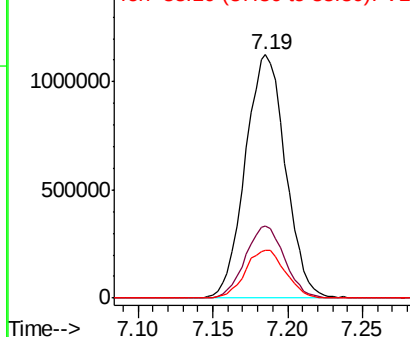
114 100

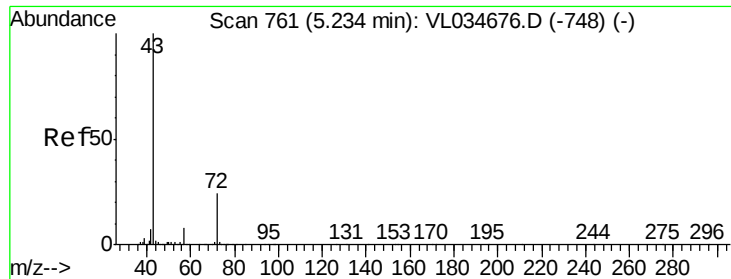
63 29.2 22.9 34.3

88 19.9 15.8 23.6



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

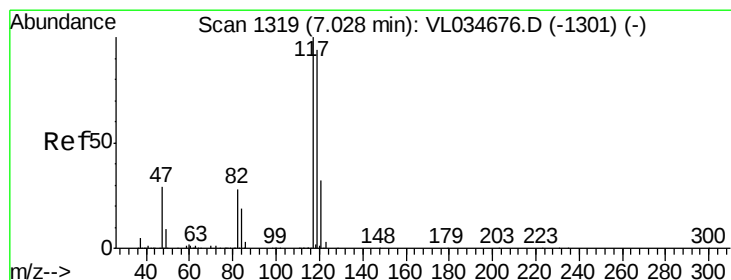
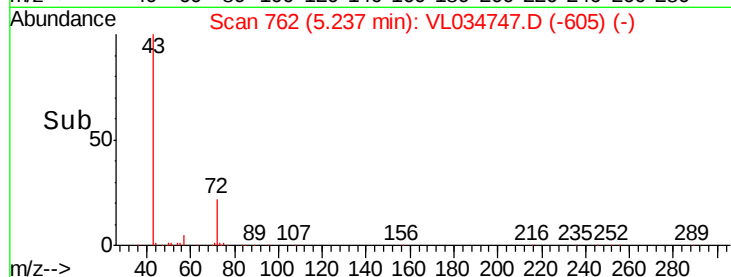
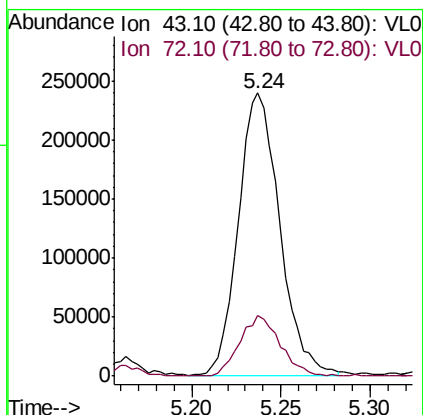
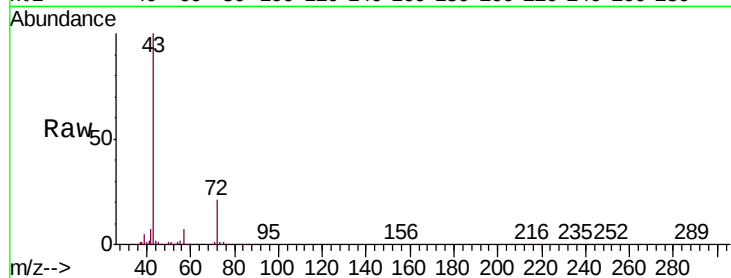




#34
2-Butanone
Concen: 2.922 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

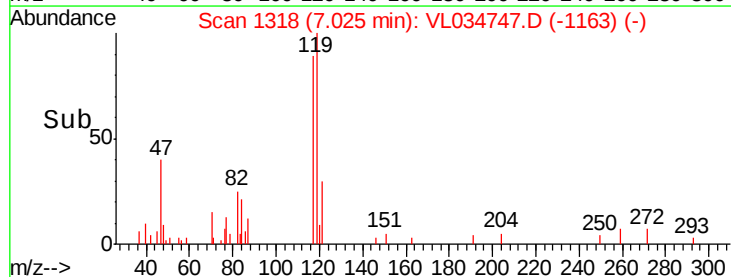
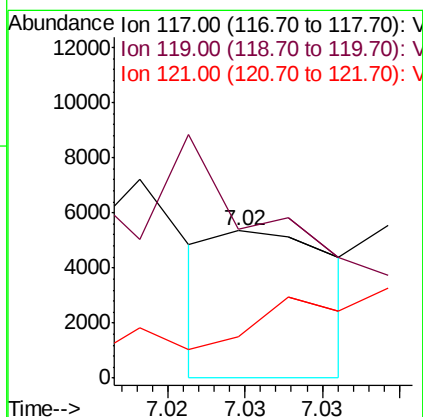
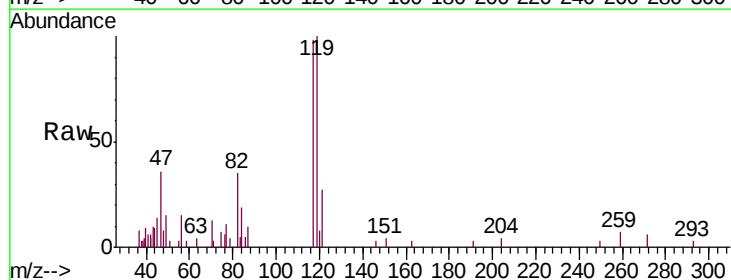
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

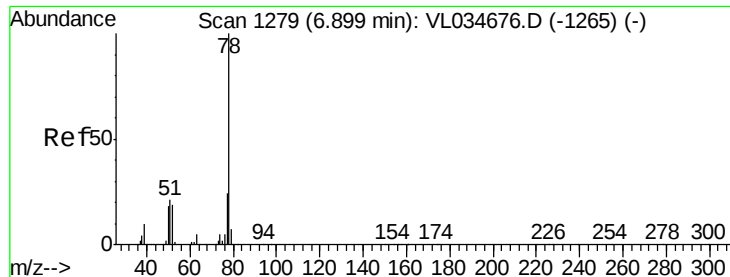
Tgt Ion: 43 Resp: 386775
Ion Ratio Lower Upper
43 100
72 21.5 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.020 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 117 Resp: 2861
Ion Ratio Lower Upper
117 100
119 108.2 75.5 113.3
121 47.6 25.4 38.0#





#36

Benzene

Concen: 0.330 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

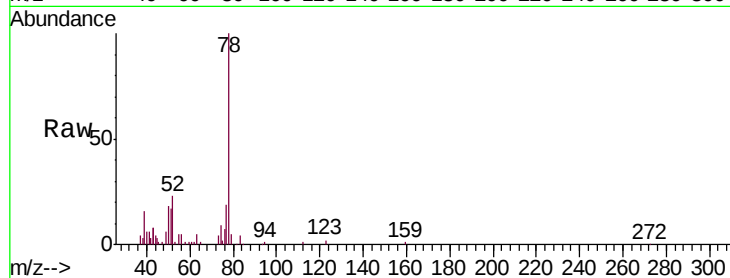
Tgt Ion: 78 Resp: 59949

Ion Ratio Lower Upper

78 100

77 19.4 19.5 29.3#

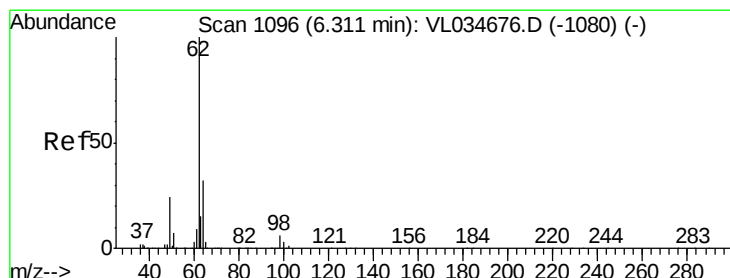
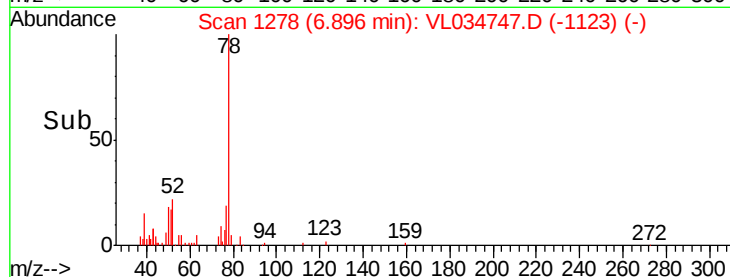
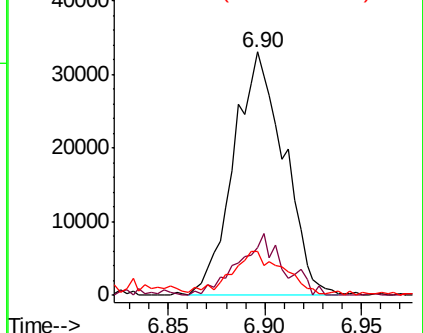
50 16.8 14.6 21.8



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: 0.029 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. -0.01 min

Lab File: VL034747.D

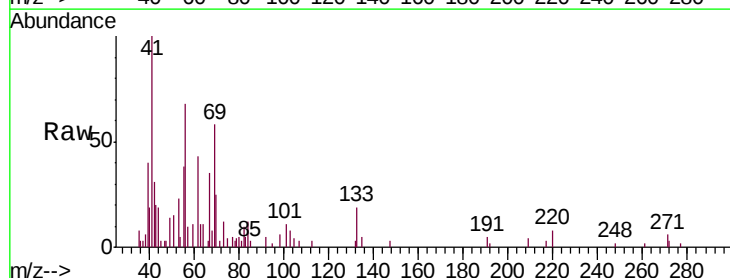
Acq: 28 Feb 2020 21:48

Tgt Ion: 62 Resp: 3345

Ion Ratio Lower Upper

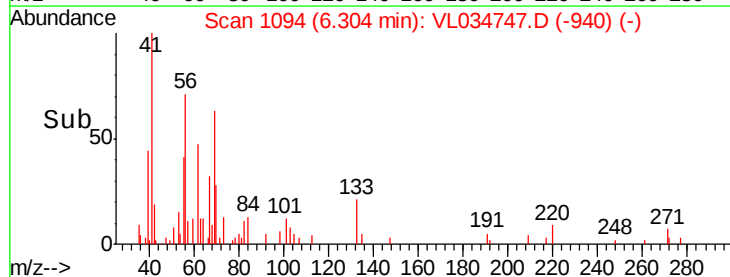
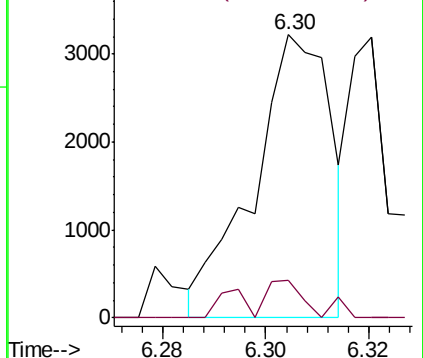
62 100

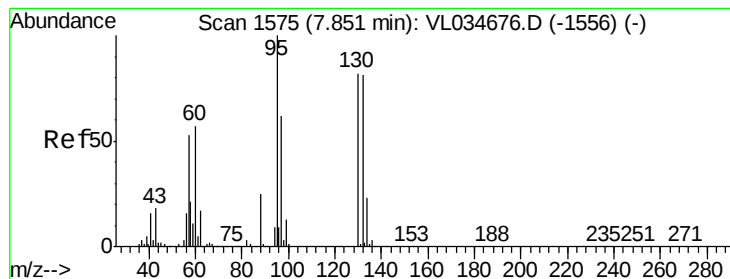
98 10.8 4.7 7.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

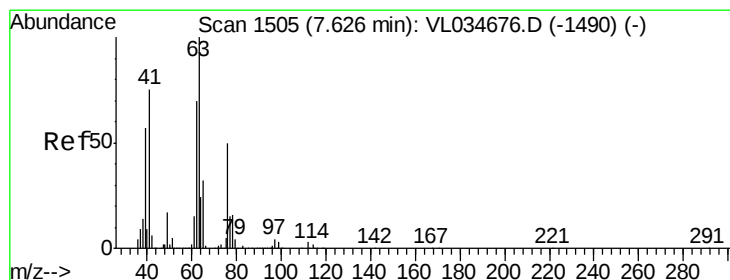
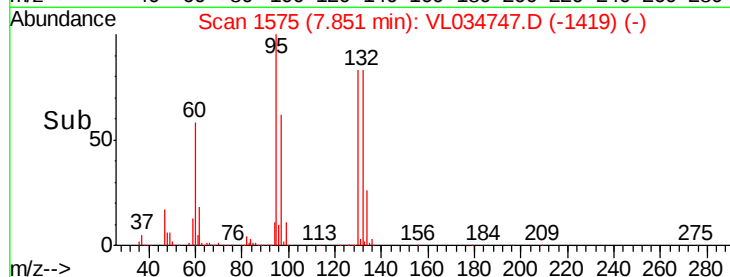
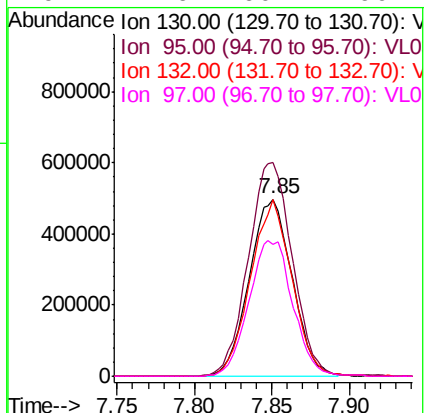
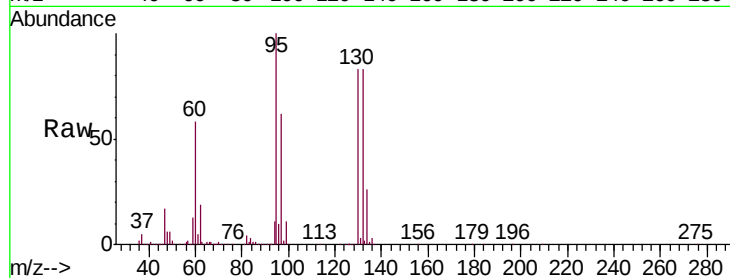




#38
 Trichloroethene
 Concen: 13.733 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

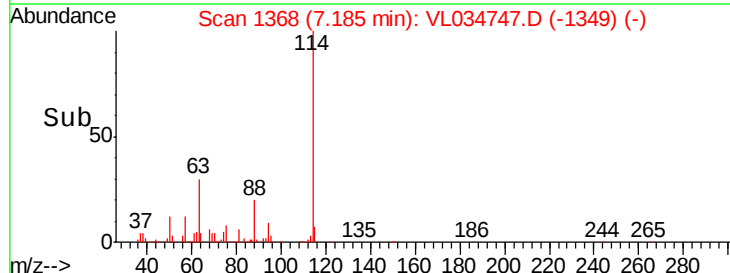
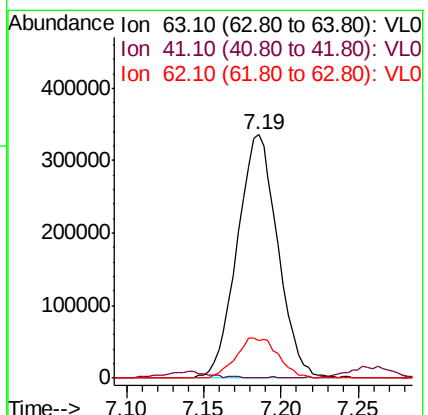
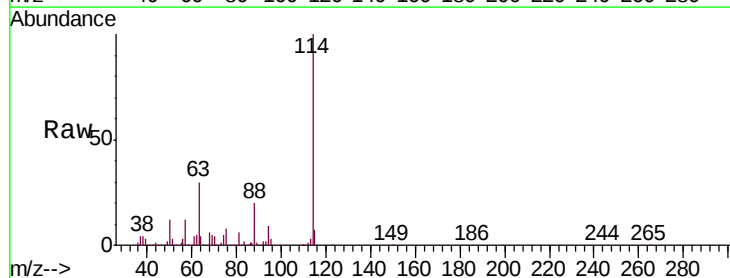
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-TEACHER-WORKROOM

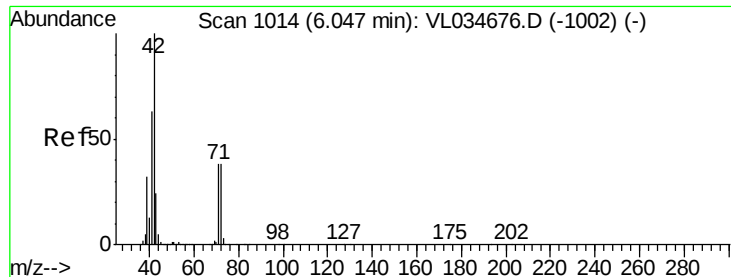
Tgt Ion:	130	Resp:	961391
Ion	Ratio	Lower	Upper
130	100		
95	120.8	97.1	145.7
132	100.1	78.3	117.5
97	74.6	60.1	90.1



#39
 1,2-Dichloropropane
 Concen: 8.402 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.44 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

Tgt Ion:	63	Resp:	607079
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	15.2	56.3	84.5#

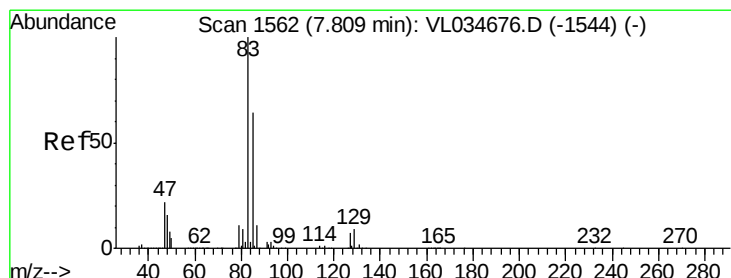
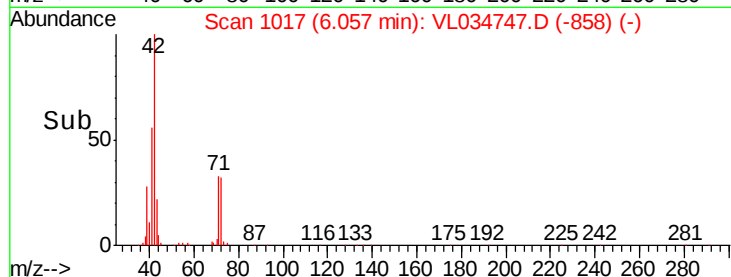
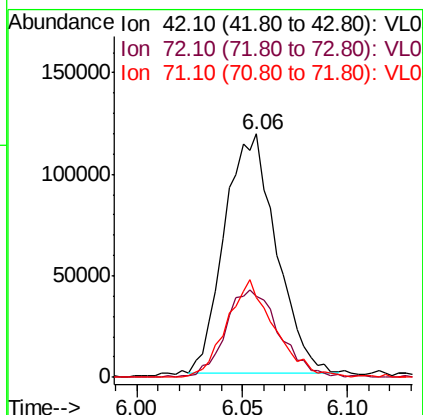
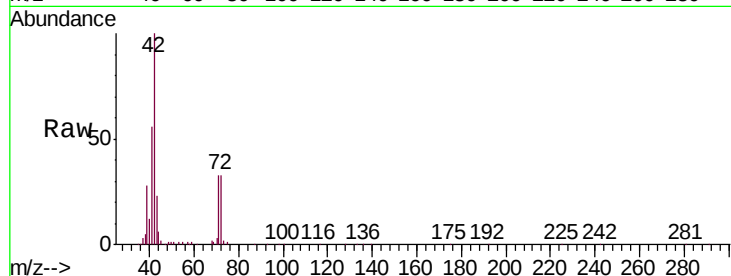




#41
Tetrahydrofuran
Concen: 2.869 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

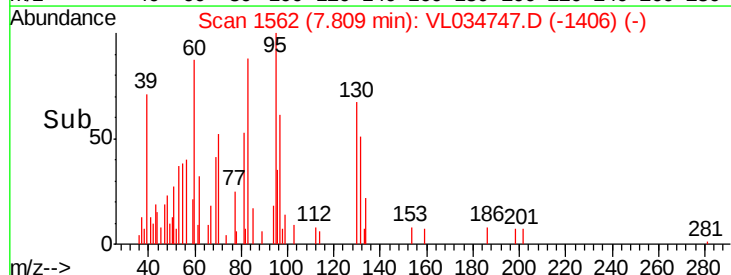
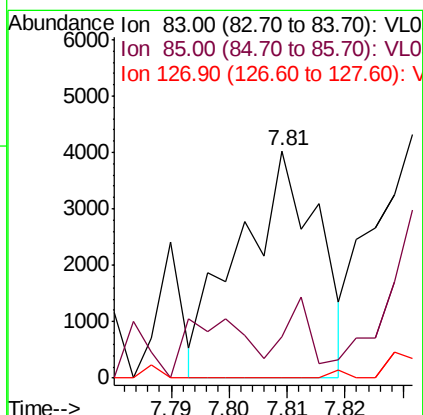
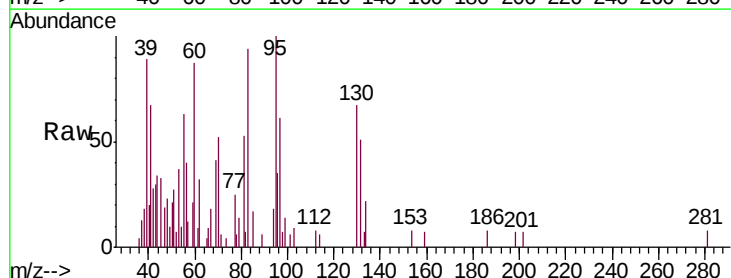
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

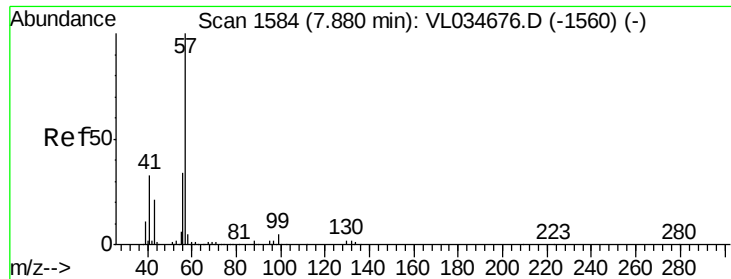
Tgt Ion: 42 Resp: 200408
Ion Ratio Lower Upper
42 100
72 38.4 31.7 47.5
71 38.4 30.7 46.1



#42
Bromodichloromethane
Concen: 0.025 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 83 Resp: 3785
Ion Ratio Lower Upper
83 100
85 4.4 51.1 76.7#
127 0.0 5.8 8.8#

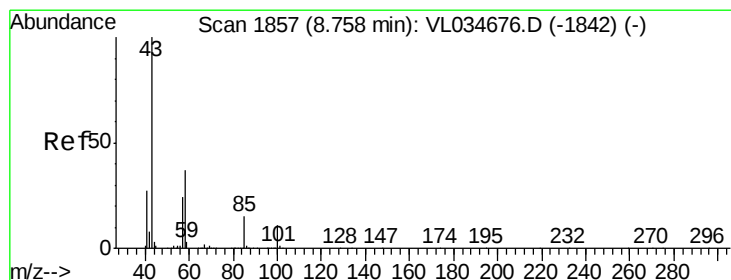
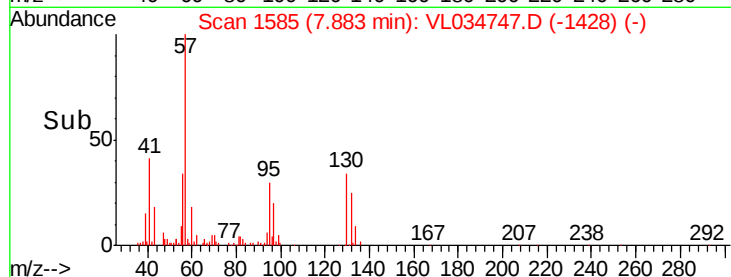
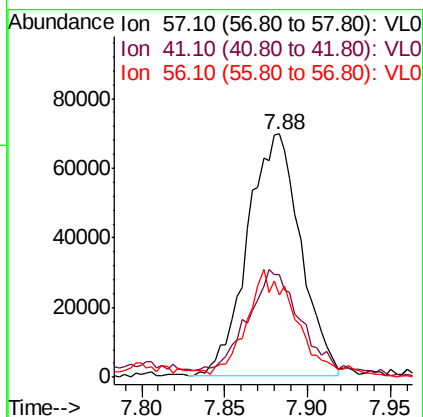
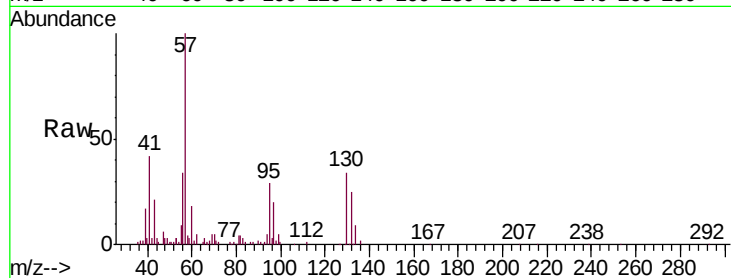




#44
 2,2,4-Trimethylpentane
 Concen: 0.488 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

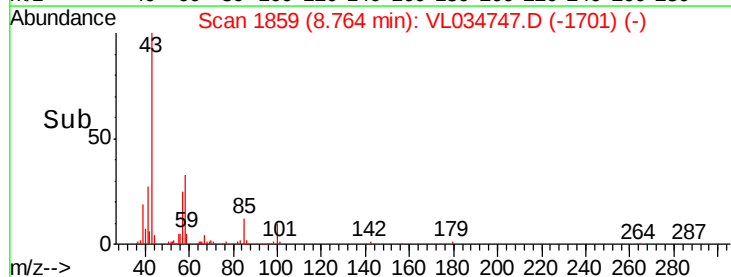
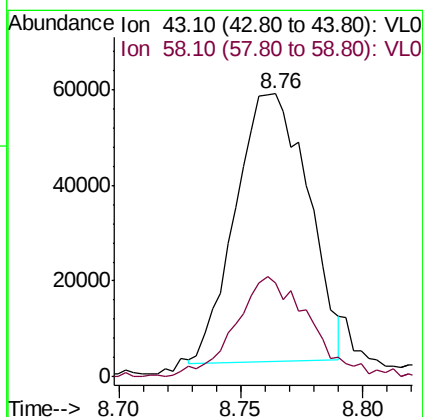
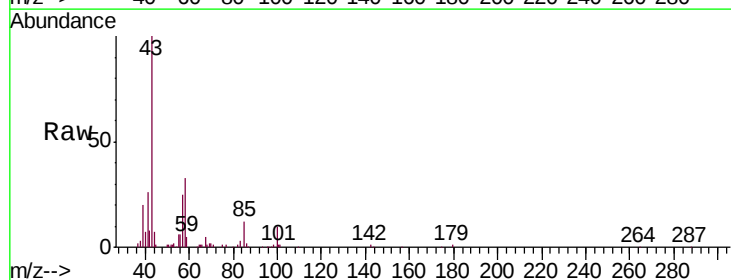
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-TEACHER-WORKROOM

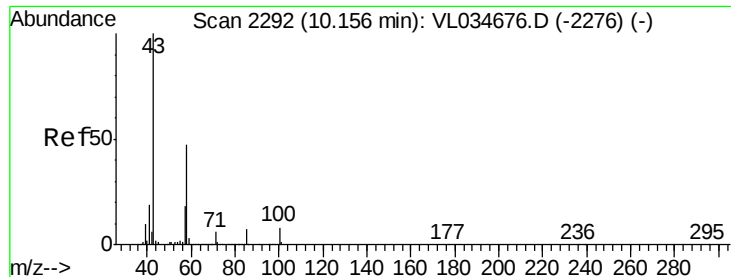
Tgt Ion	Ratio	Lower	Upper
57	100		
41	46.0	26.0	39.0#
56	43.2	25.6	38.4#



#50
 4-Methyl-2-Pentanone
 Concen: 0.616 ppbv
 RT: 8.76 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	29.0	43.6

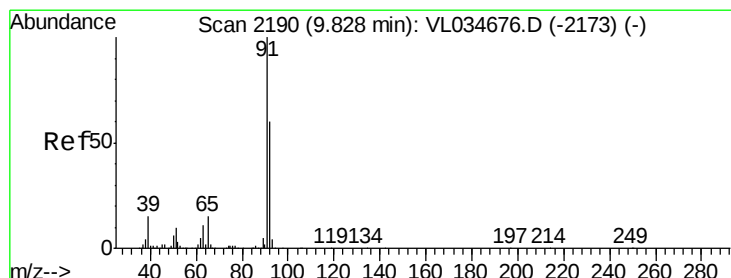
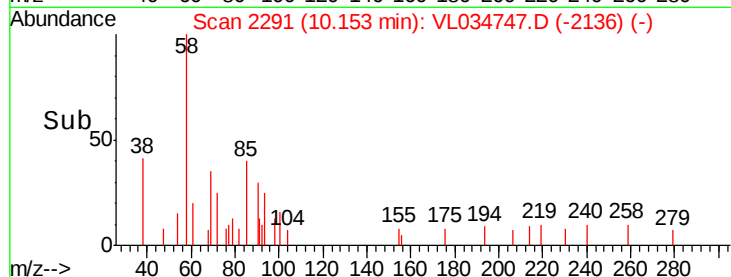
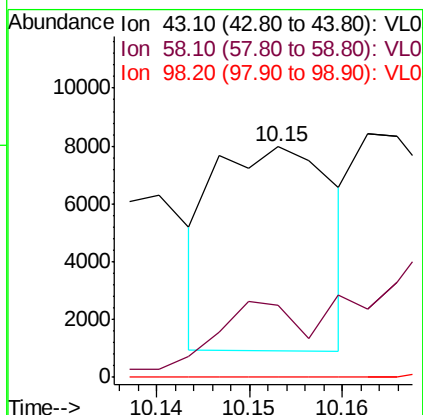
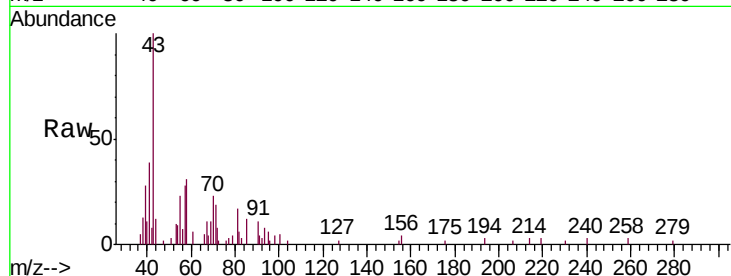




#51
2-Hexanone
Concen: 0.042 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

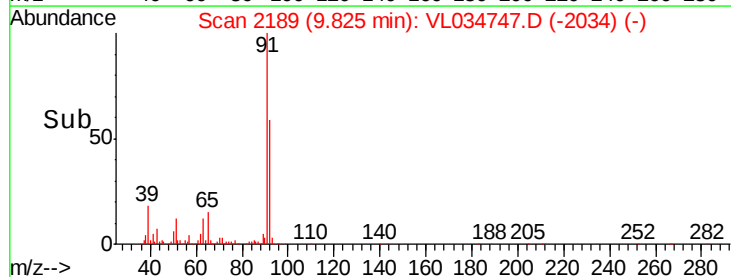
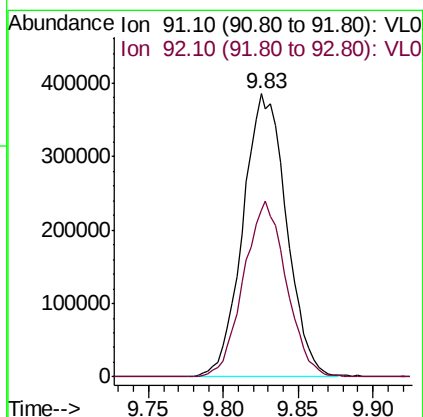
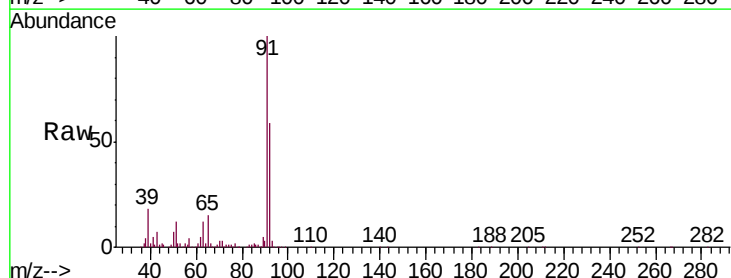
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

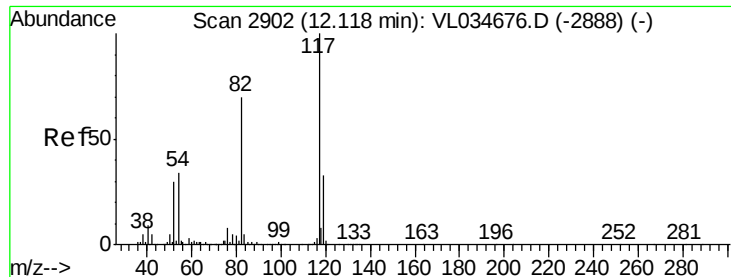
Tgt Ion: 43 Resp: 6238
Ion Ratio Lower Upper
43 100
58 0.0 39.4 59.0#
98 0.0 0.2 0.2#



#53
Toluene
Concen: 4.045 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 91 Resp: 781427
Ion Ratio Lower Upper
91 100
92 61.2 48.5 72.7

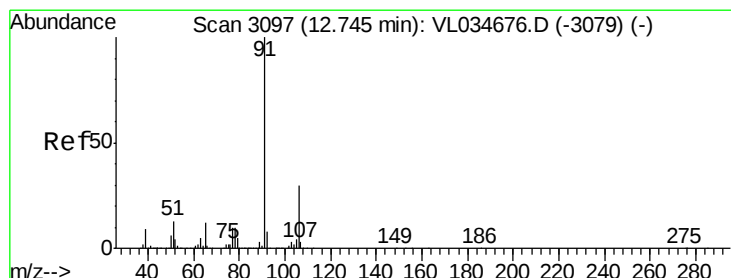
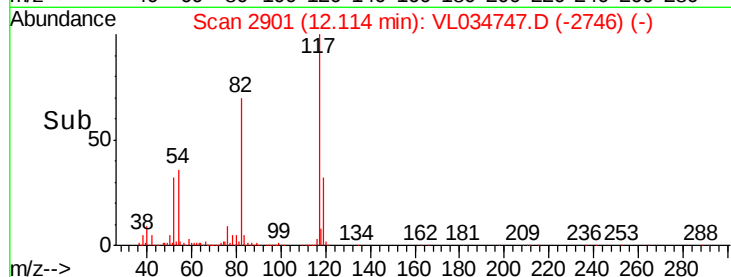
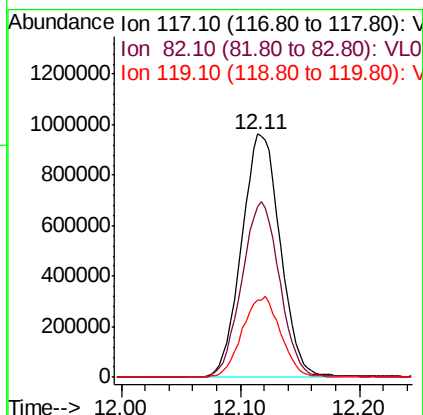
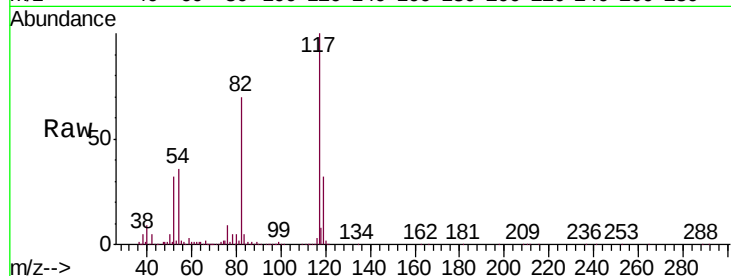




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

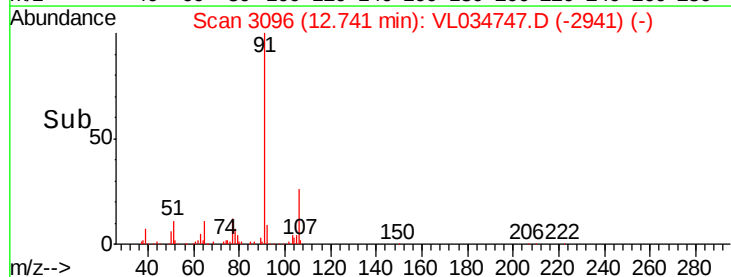
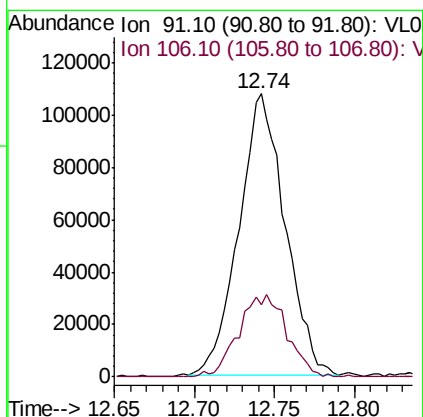
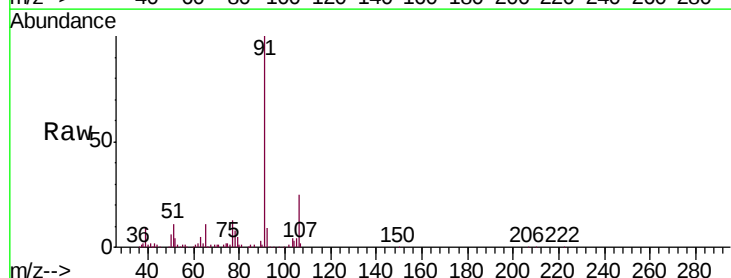
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

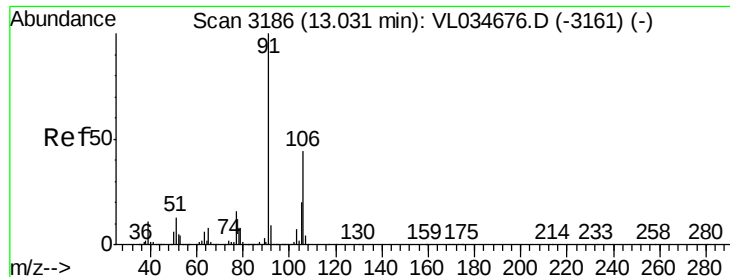
Tgt Ion: 117 Resp: 2166381
Ion Ratio Lower Upper
117 100
82 70.6 54.1 81.1
119 33.1 27.6 41.4



#58
Ethyl Benzene
Concen: 0.810 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 91 Resp: 212400
Ion Ratio Lower Upper
91 100
106 25.5 24.0 36.0

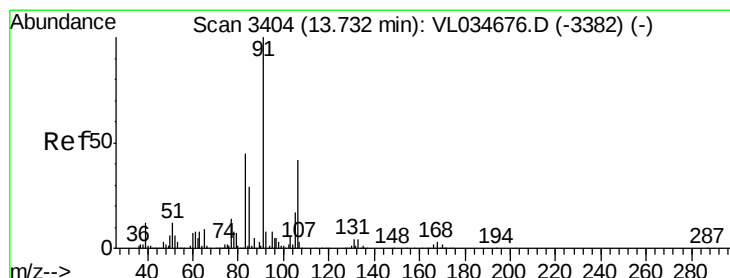
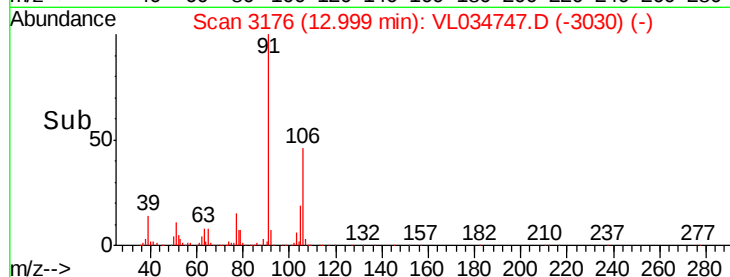
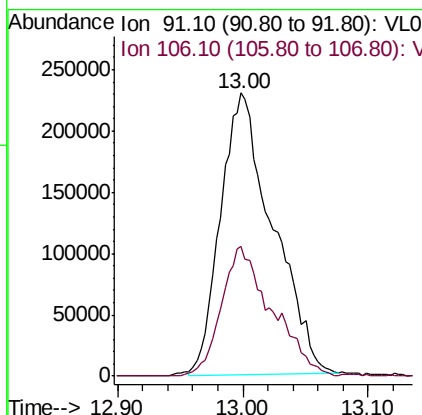
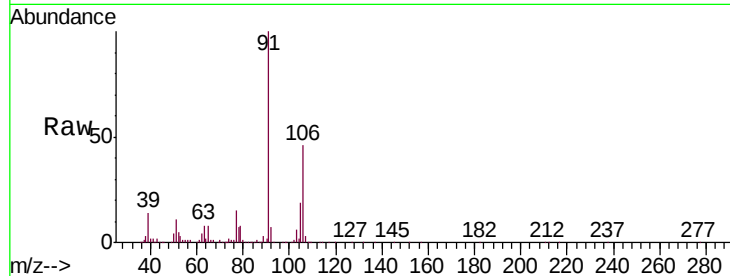




#59
m/p-Xylene
Concen: 2.908 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.03 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

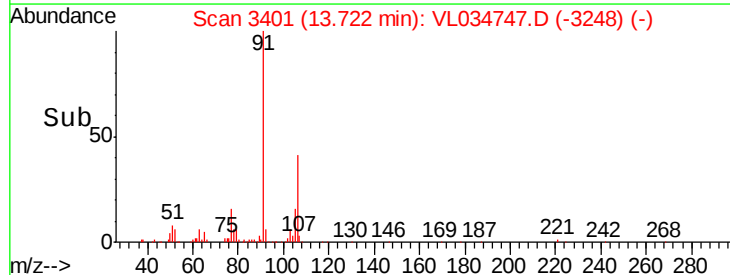
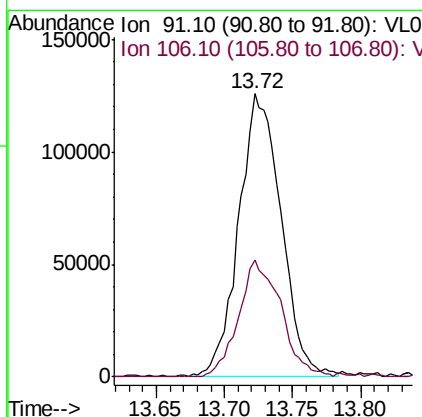
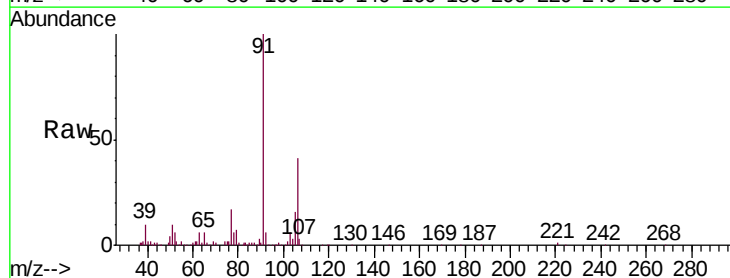
Instrument :
MSVOA_L
ClientSampleId :
SG-7-TEACHER-WORKROOM

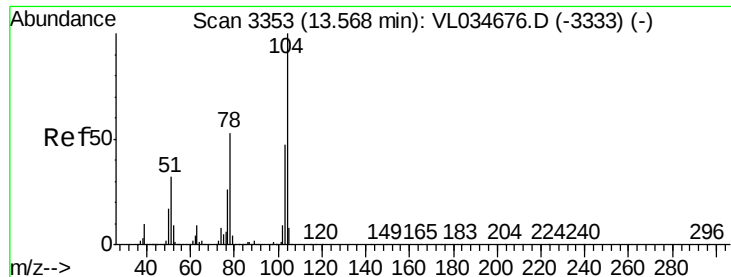
Tgt Ion: 91 Resp: 664765
Ion Ratio Lower Upper
91 100
106 44.9 35.6 53.4



#60
o-Xylene
Concen: 1.186 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.01 min
Lab File: VL034747.D
Acq: 28 Feb 2020 21:48

Tgt Ion: 91 Resp: 269144
Ion Ratio Lower Upper
91 100
106 42.4 21.9 65.5





#61

Styrene

Concen: 0.122 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

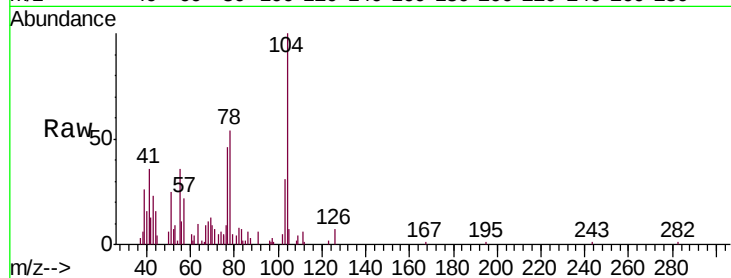
Tgt Ion:104 Resp: 17800

Ion Ratio Lower Upper

104 100

78 75.0 44.2 66.4#

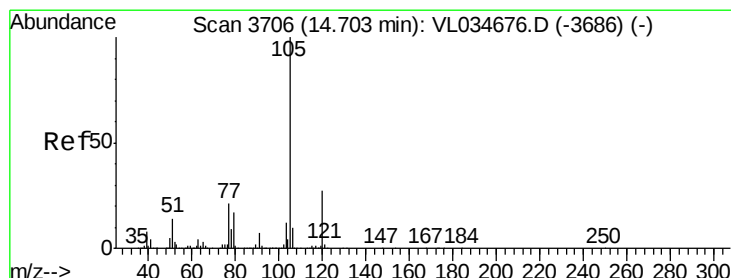
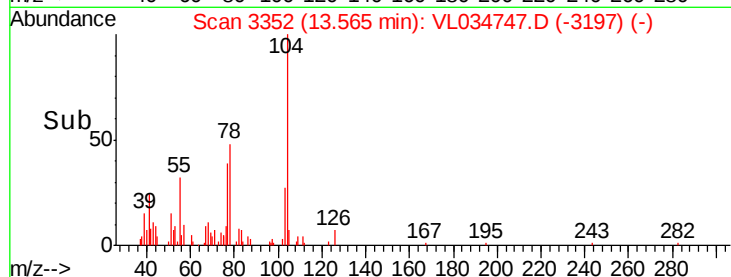
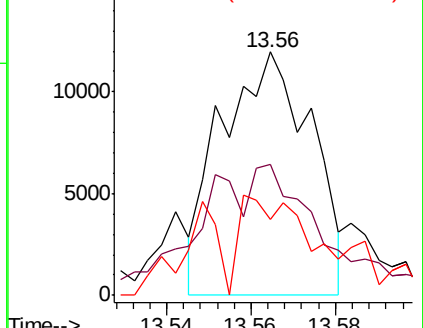
103 58.5 37.4 56.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.051 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL034747.D

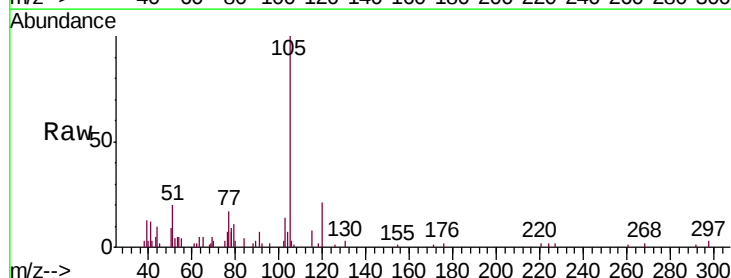
Acq: 28 Feb 2020 21:48

Tgt Ion:105 Resp: 17004

Ion Ratio Lower Upper

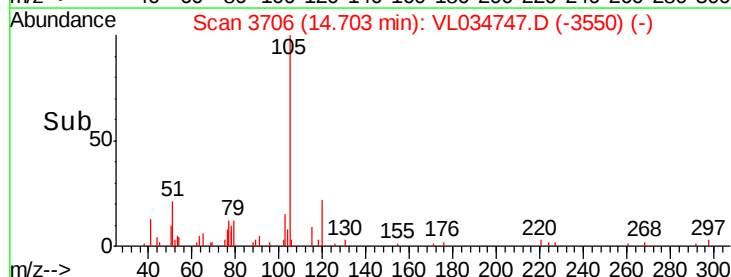
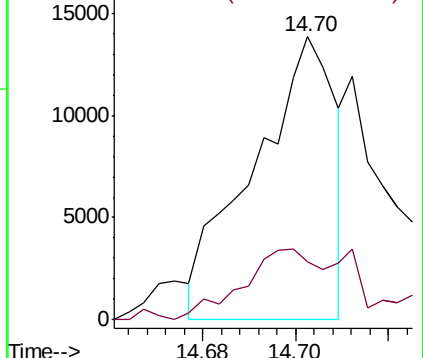
105 100

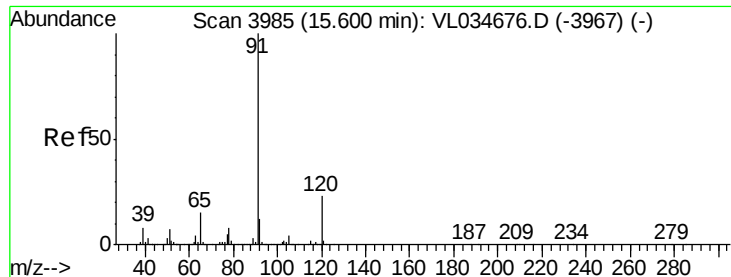
120 37.5 20.2 30.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.050 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

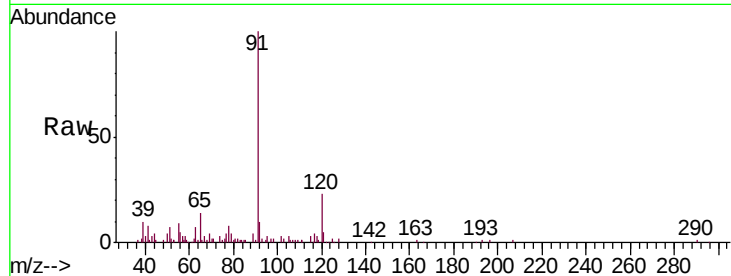
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Tgt Ion:120 Resp: 4254

Ion Ratio Lower Upper

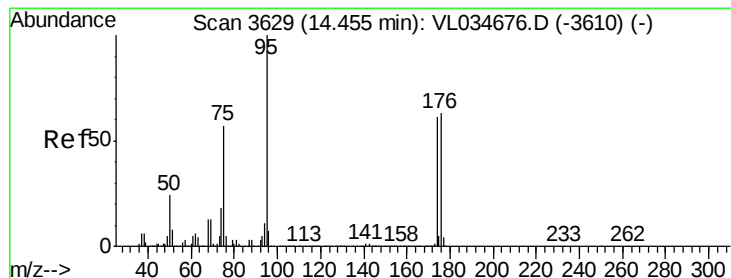
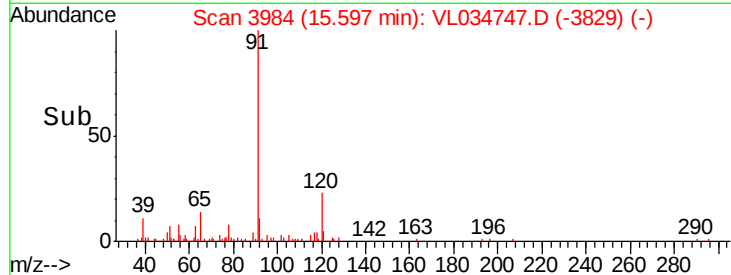
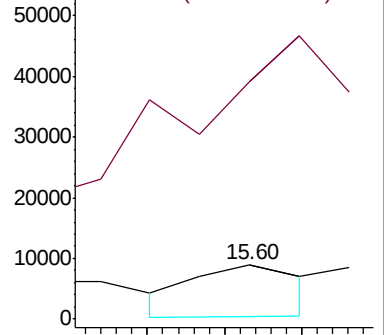
120 100

91 0.0 369.8 554.8#



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: 10.108 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

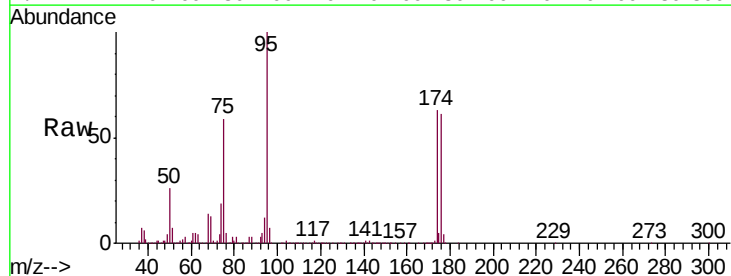
Tgt Ion: 95 Resp: 1795582

Ion Ratio Lower Upper

95 100

174 64.5 50.7 76.1

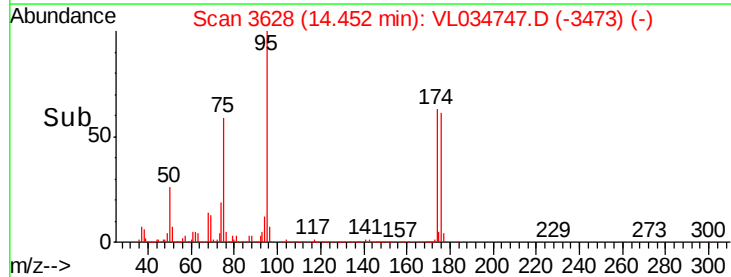
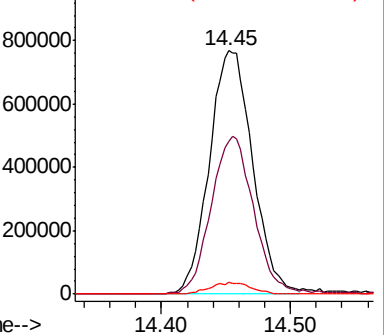
175 4.7 3.9 5.9

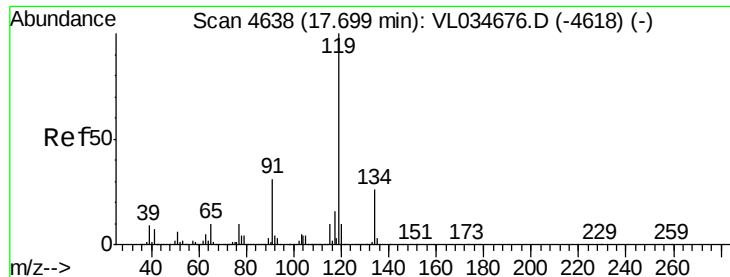


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

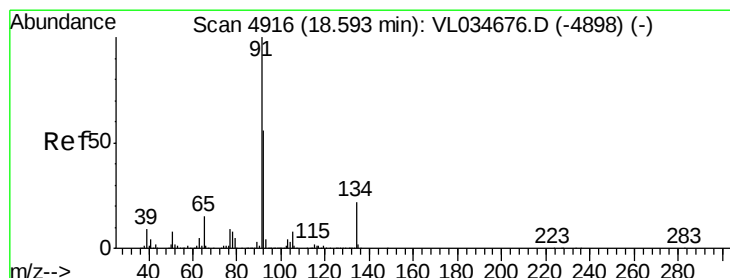
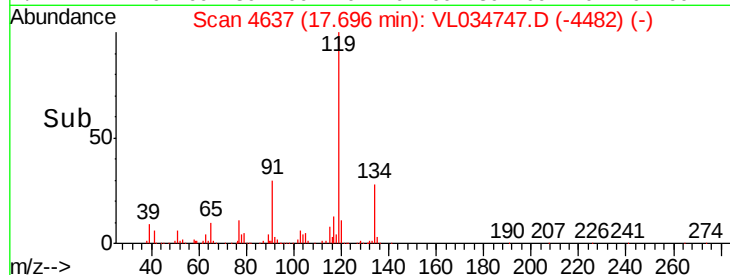
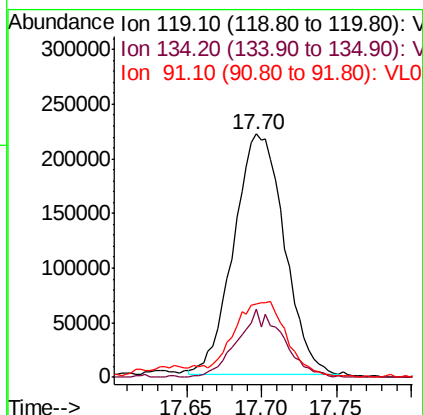
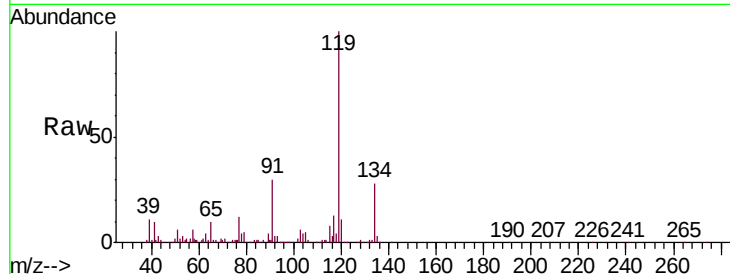




#69
 p-Isopropyltoluene
 Concen: 1.527 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. -0.00 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

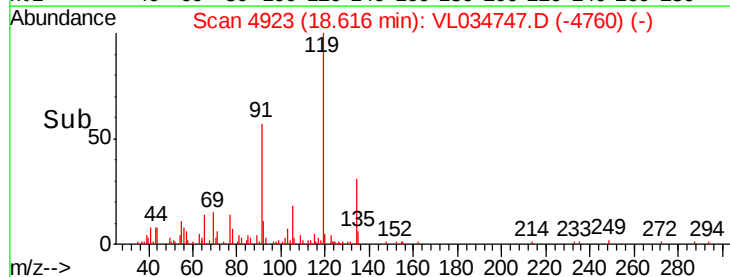
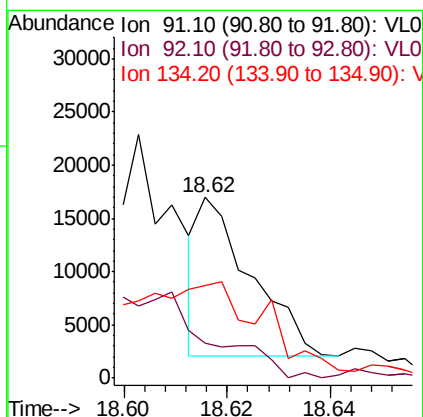
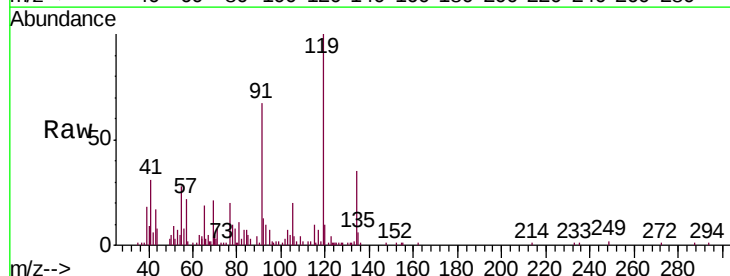
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-TEACHER-WORKROOM

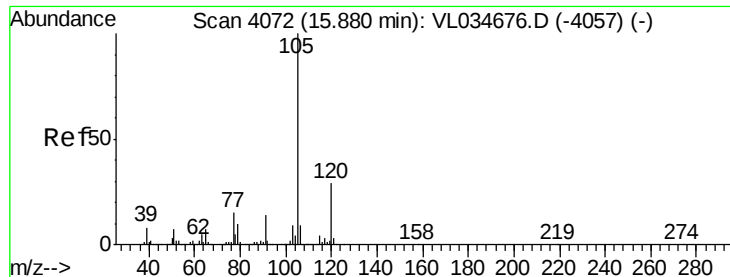
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.6	31.0
91	37.5	25.3	37.9



#70
 n-Butylbenzene
 Concen: 0.028 ppbv
 RT: 18.62 min Scan# 4923
 Delta R.T. 0.02 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.6#
134	277.3	17.6	26.4#





#72

4-Ethyltoluene

Concen: 0.366 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

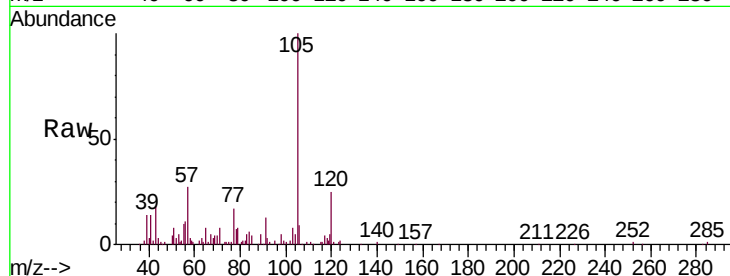
Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

Tgt Ion:	105	Resp:	92485
Ion Ratio	Lower	Upper	
105	100		
120	29.4	23.7	35.5
91	16.8	10.9	16.3#
77	18.5	12.2	18.2#



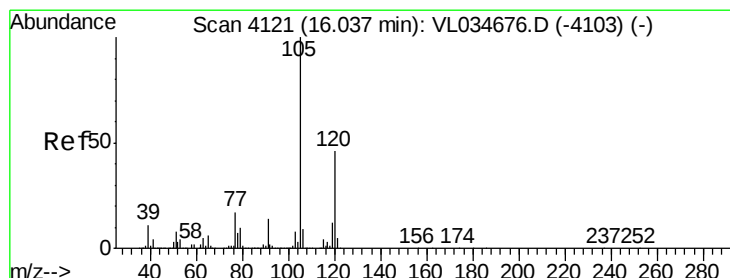
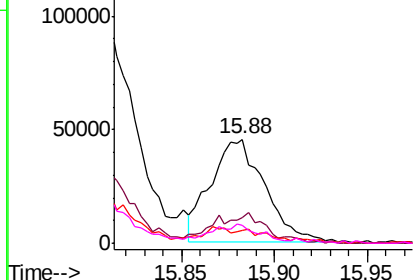
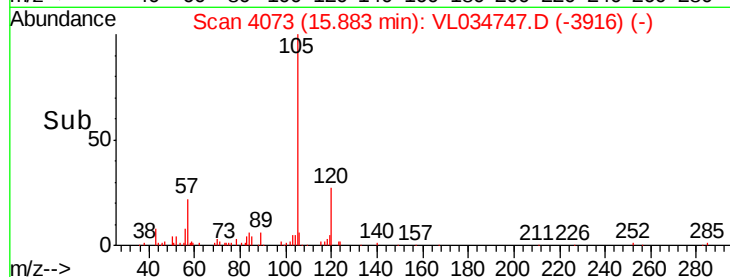
Abundance

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



#73

1,3,5-Trimethylbenzene

Concen: 0.214 ppbv

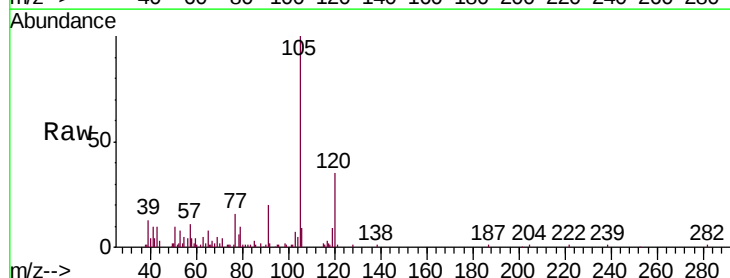
RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

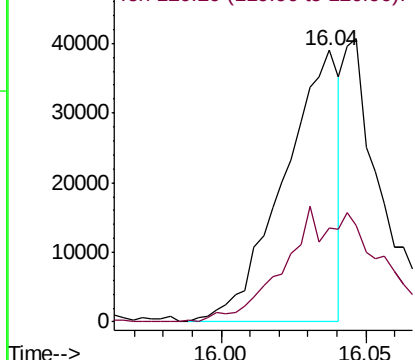
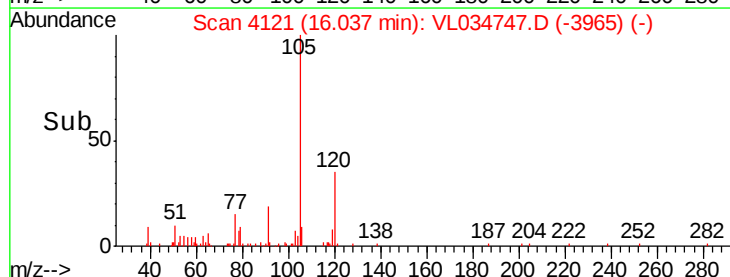
Tgt Ion:	105	Resp:	51878
Ion Ratio	Lower	Upper	
105	100		
120	33.8	37.1	55.7#

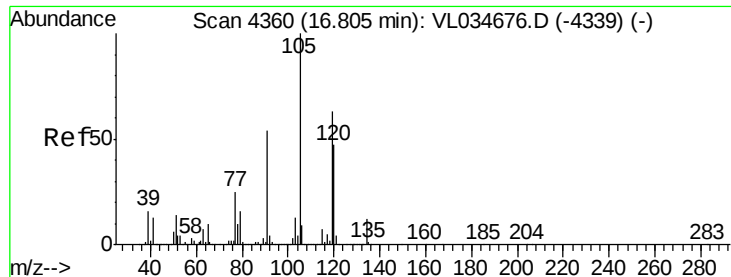


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

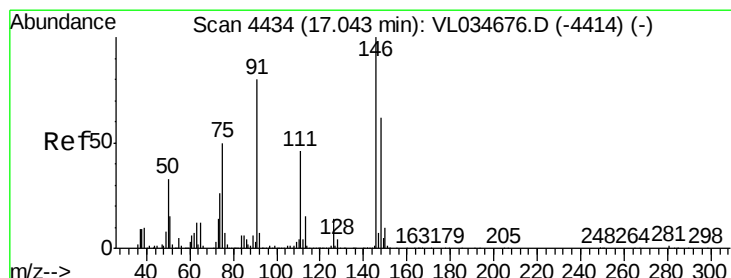
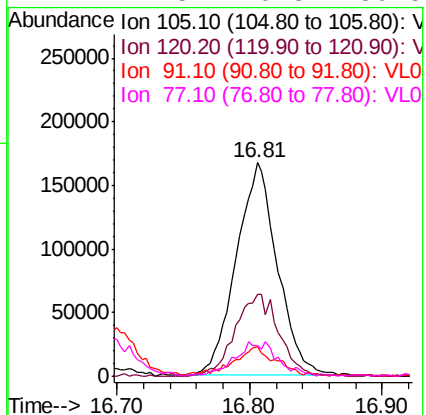
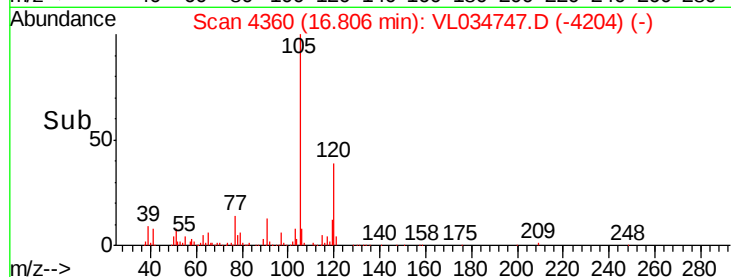
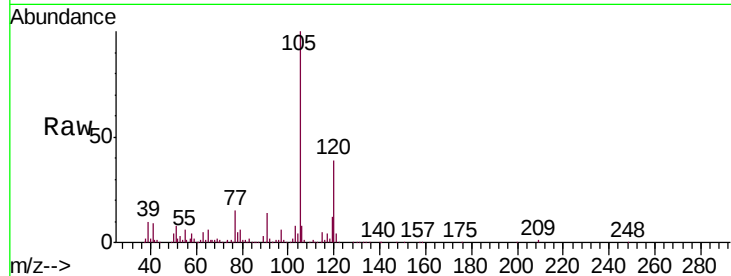




#74
 1,2,4-Trimethylbenzene
 Concen: 1.343 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. 0.00 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

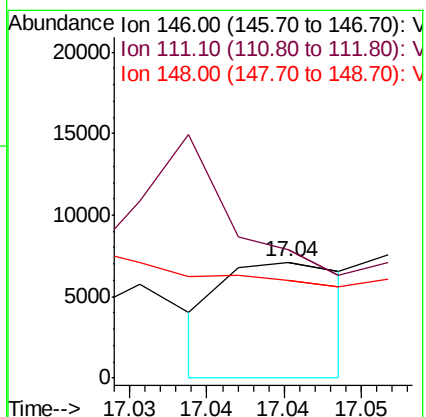
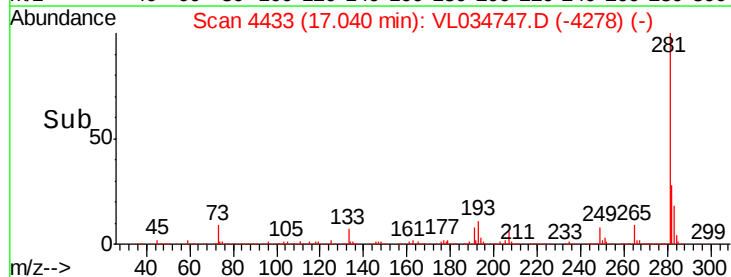
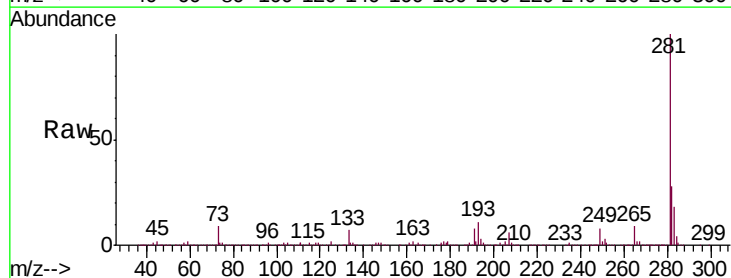
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-TEACHER-WORKROOM

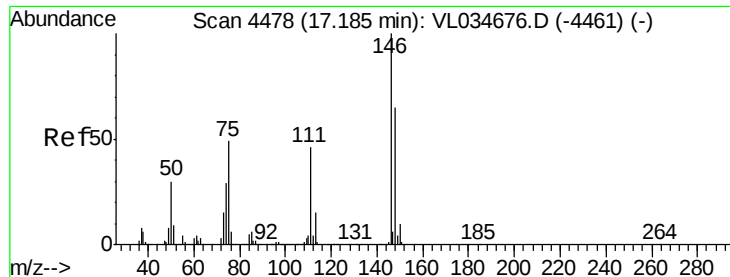
Tgt Ion:	105	Resp:	360330
Ion	Ratio	Lower	Upper
105	100		
120	38.6	37.9	56.9
91	13.0	43.9	65.9#
77	14.5	20.3	30.5#



#75
 1,3-Dichlorobenzene
 Concen: 0.025 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.00 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

Tgt Ion:	146	Resp:	3948
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.4	73.2#
148	0.0	32.5	97.4#





#76

1,4-Dichlorobenzene

Concen: 0.175 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. -0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

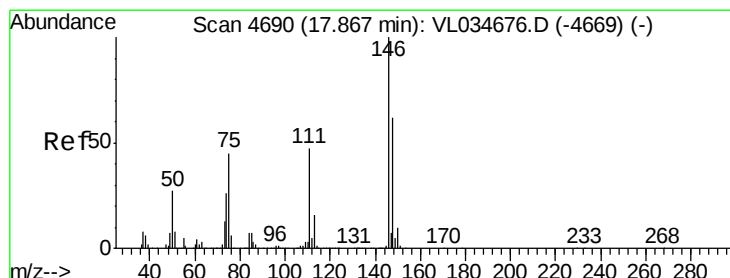
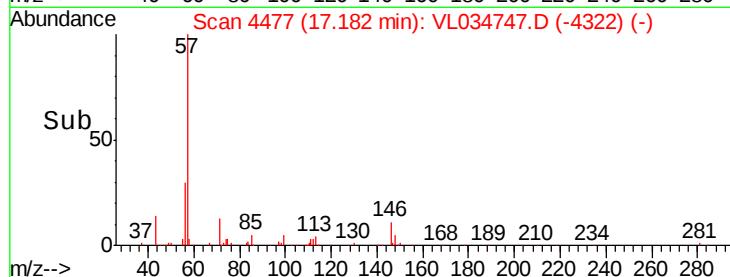
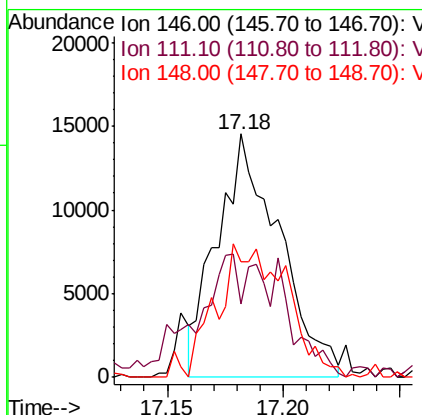
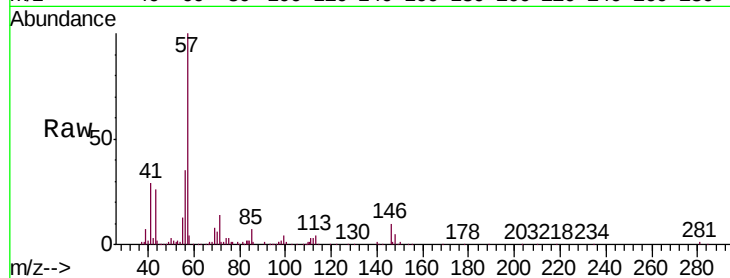
Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

Tgt Ion:	146	Resp:	27121
Ion	Ratio	Lower	Upper
146	100		
111	73.5	23.4	70.0#
148	62.1	31.9	95.5



#77

1,2-Dichlorobenzene

Concen: 0.021 ppbv

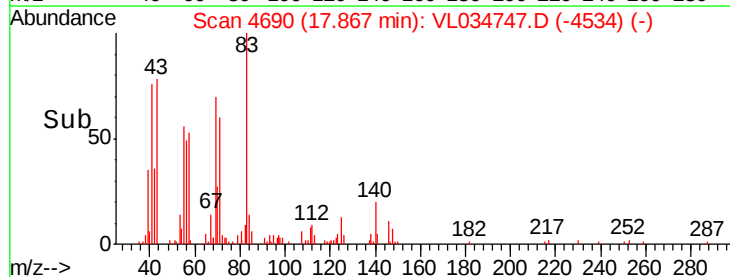
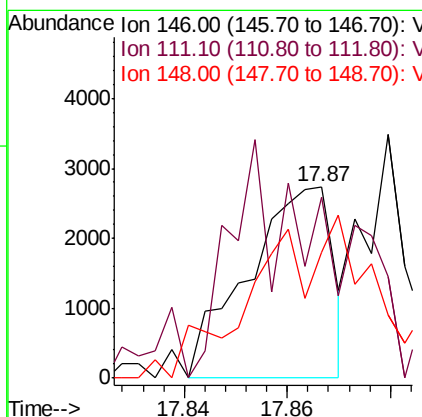
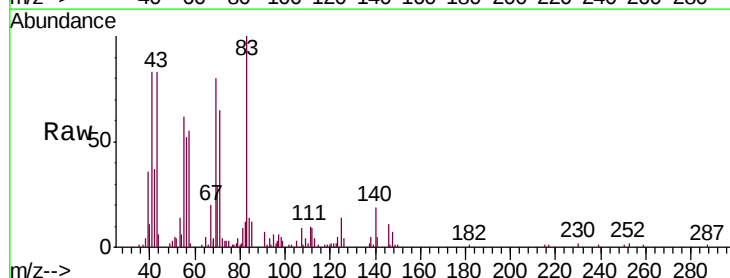
RT: 17.87 min Scan# 4690

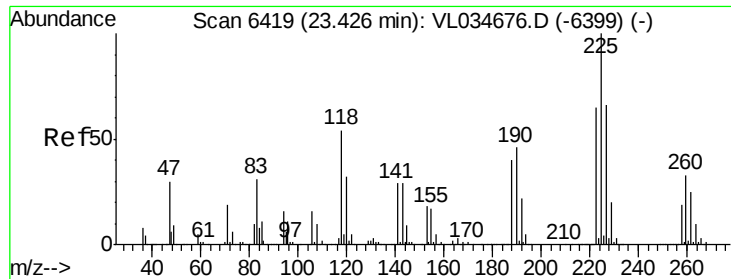
Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Tgt Ion:	146	Resp:	3129
Ion	Ratio	Lower	Upper
146	100		
111	171.5	24.9	74.7#
148	122.5	32.0	96.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.034 ppbv

RT: 23.44 min Scan# 6422

Delta R.T. 0.01 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

Instrument :

MSVOA_L

ClientSampleId :

SG-7-TEACHER-WORKROOM

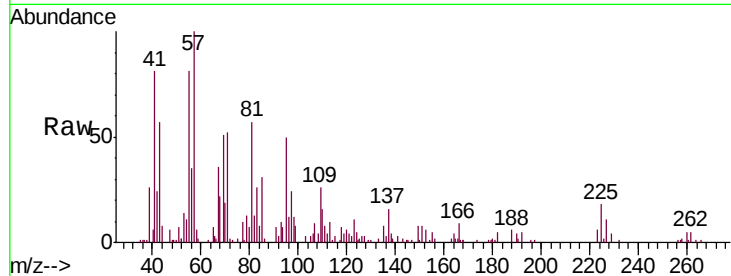
Tgt Ion:225 Resp: 4406

Ion Ratio Lower Upper

225 100

223 121.8 51.3 76.9#

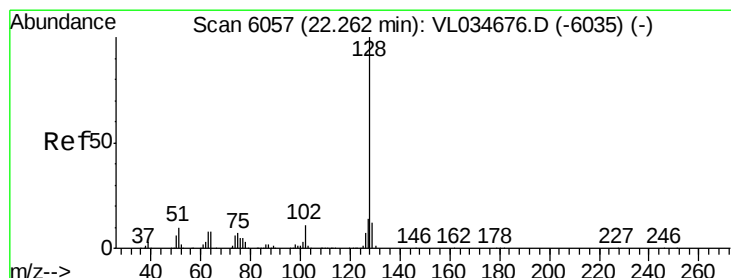
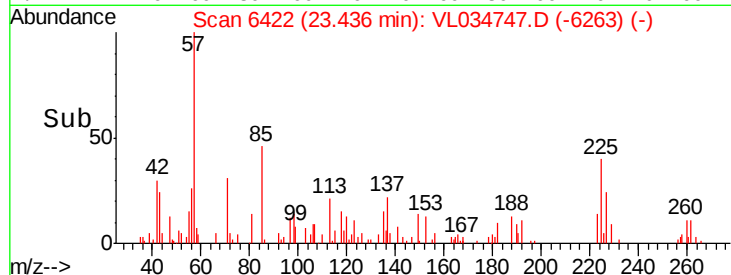
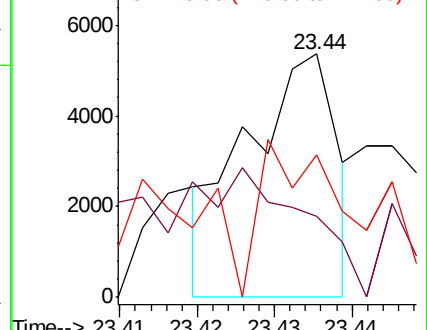
227 131.6 51.3 76.9#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.142 ppbv

RT: 22.26 min Scan# 6057

Delta R.T. 0.00 min

Lab File: VL034747.D

Acq: 28 Feb 2020 21:48

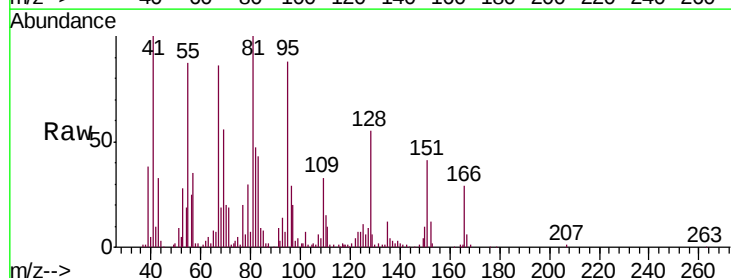
Tgt Ion:128 Resp: 33549

Ion Ratio Lower Upper

128 100

127 16.5 11.0 16.6

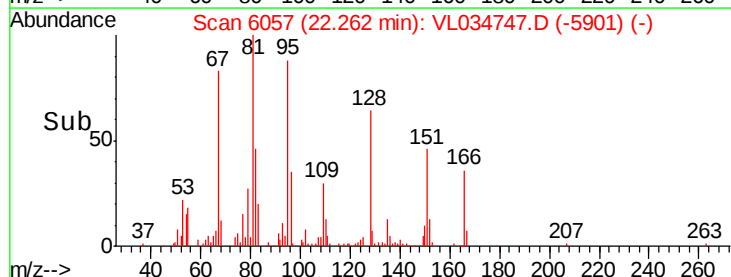
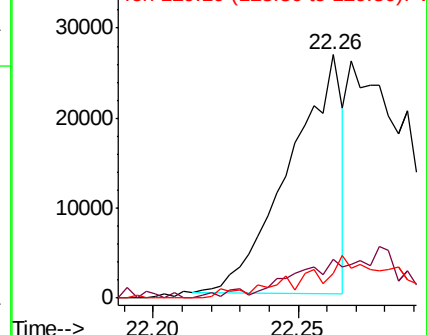
129 10.4 9.4 14.2

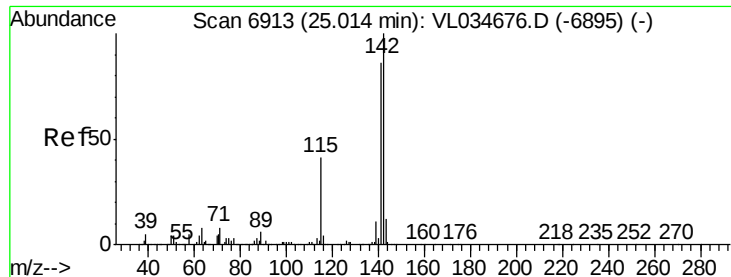


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80
 Naphthalene, 2-methyl-
 Concen: 0.248 ppbv
 RT: 25.02 min Scan# 6915
 Delta R.T. 0.01 min
 Lab File: VL034747.D
 Acq: 28 Feb 2020 21:48

Instrument :
 MSVOA_L
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	66.5	99.7
115	51.4	30.6	46.0

