

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034728.D
 Acq On : 28 Feb 2020 3:55
 Operator : SY/AP
 Sample : L1661-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-TEACHER-WORK

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:33:53 PM

Quant Time: Feb 28 12:36:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1095202	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2280679	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2293389	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1914006	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	89579	0.518	ppbv	94
10) Heptane	8.13	43	147790	1.162	ppbv	98
11) Trichlorofluoromethane	3.93	101	41667	0.275	ppbv	85
13) Ethanol	3.60	45	4299865	275.497	ppbv	99
15) Acetone	3.82	43	3826106	30.658	ppbv	97
17) tert-Butyl alcohol	4.30	59	1012146	10.584	ppbv	100
19) Isopropyl Alcohol	3.97	45	7126144m	95.864	ppbv	
20) Methylene Chloride	4.33	84	43330	0.934	ppbv #	86
22) trans-1,2-Dichloroethene	4.88	96	8746	0.187	ppbv #	56
26) Hexane	5.68	57	149789	1.471	ppbv #	72
29) Chloroform	5.75	83	148522	0.916	ppbv	90
30) Cyclohexane	7.14	84	58455	0.741	ppbv	95
31) cis-1,2-Dichloroethene	5.55	61	51687	0.516	ppbv #	87
32) 1,1,1-Trichloroethane	6.52	97	13741m	0.091	ppbv	
34) 2-Butanone	5.24	43	574455	4.002	ppbv	98
35) Carbon Tetrachloride	7.02	117	17641m	0.115	ppbv	
36) Benzene	6.90	78	159854	0.812	ppbv	96
38) Trichloroethene	7.85	130	461116	6.073	ppbv	97
41) Tetrahydrofuran	6.05	42	242377	3.199	ppbv	96
44) 2,2,4-Trimethylpentane	7.88	57	388558	1.129	ppbv #	82
50) 4-Methyl-2-Pentanone	8.77	43	164114	0.807	ppbv	96
52) Tetrachloroethene	11.25	164	16951m	0.235	ppbv	
53) Toluene	9.83	91	1433734	6.843	ppbv	99
58) Ethyl Benzene	12.75	91	390922	1.409	ppbv	95
59) m/p-Xylene	13.00	91	1171348	4.840	ppbv	100
60) o-Xylene	13.73	91	469678	1.956	ppbv	98
61) Styrene	13.56	104	38316m	0.248	ppbv	
62) Isopropylbenzene	14.71	105	38521m	0.110	ppbv	
64) n-propylbenzene	15.60	120	31406m	0.348	ppbv	
69) p-Isopropyltoluene	17.70	119	766911	2.140	ppbv	99
70) n-Butylbenzene	18.60	91	74377m	0.191	ppbv	
72) 4-Ethyltoluene	15.88	105	172045m	0.644	ppbv	
73) 1,3,5-Trimethylbenzene	16.04	105	141719m	0.551	ppbv	
74) 1,2,4-Trimethylbenzene	16.81	105	572620m	2.016	ppbv	
76) 1,4-Dichlorobenzene	17.19	146	44393m	0.271	ppbv	
79) Naphthalene	22.27	128	85554m	0.342	ppbv	

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

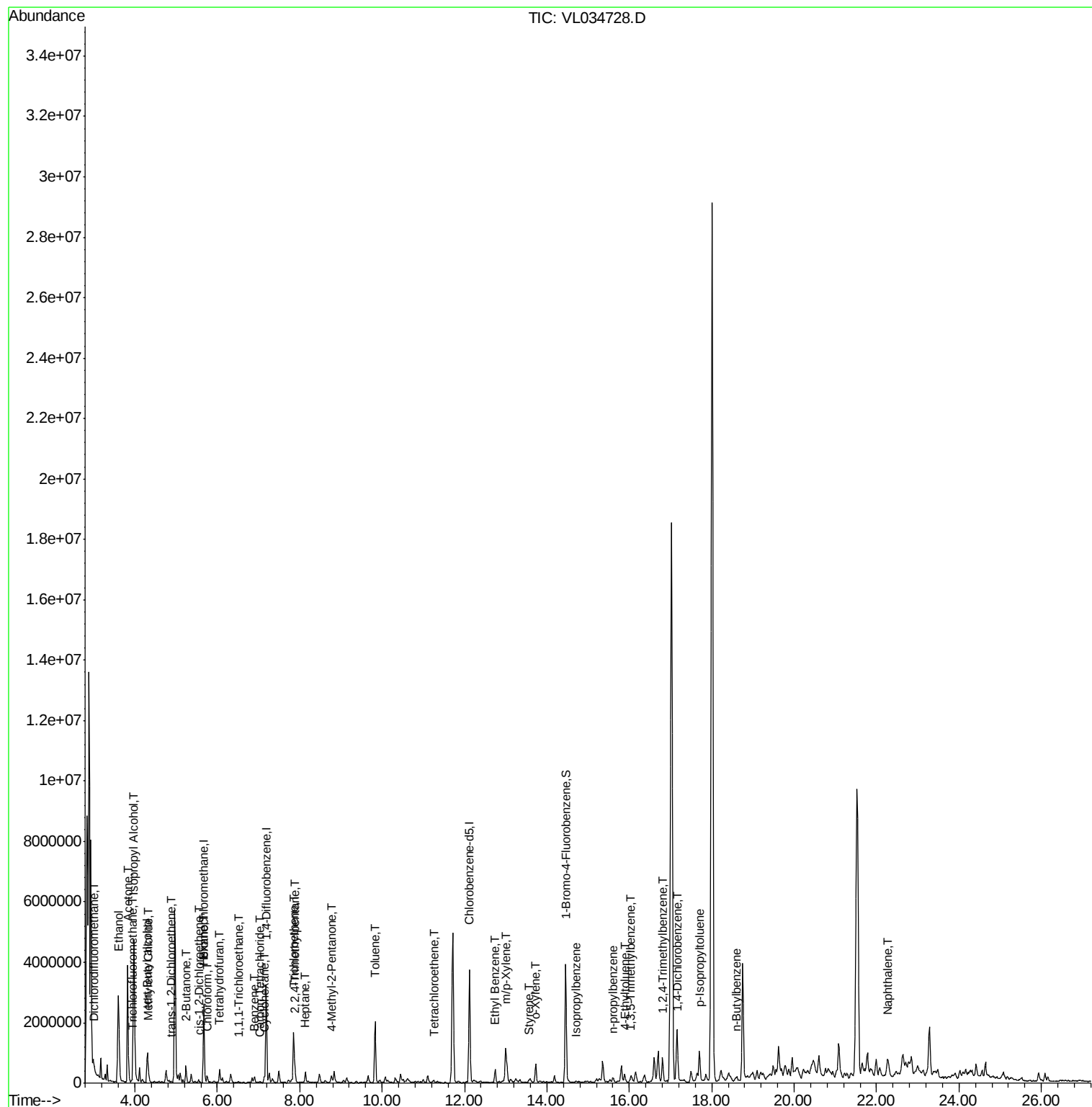
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022720\
Data File : VL034728.D
Acq On : 28 Feb 2020 3:55
Operator : SY/AP
Sample : L1661-05
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

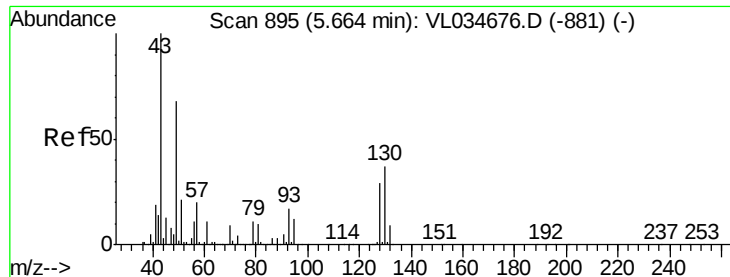
Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:33:53 PM

Quant Time: Feb 28 12:36:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion: 49 Resp: 1095202

Ion Ratio Lower Upper

49 100

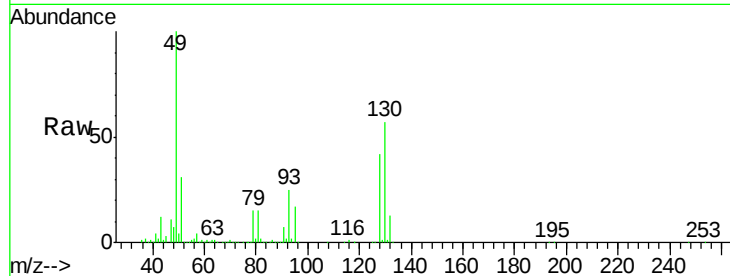
128 44.0 21.6 65.0

130 56.0 27.7 83.1

Manual Integrations
APPROVED

MMDadoda

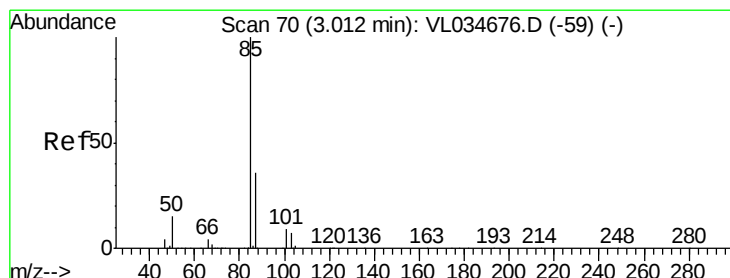
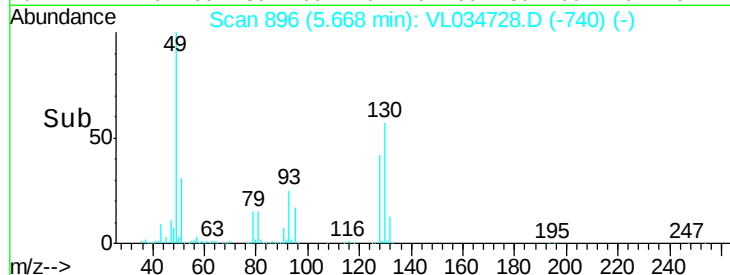
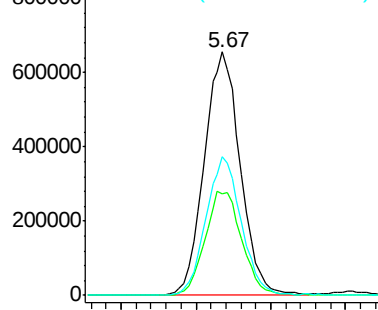
2/28/2020 12:33:53 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.518 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL034728.D

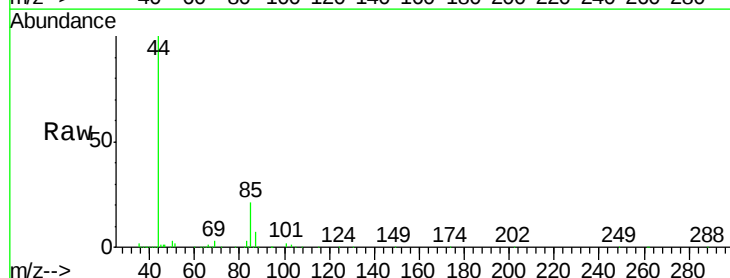
Acq: 28 Feb 2020 3:55

Tgt Ion: 85 Resp: 89579

Ion Ratio Lower Upper

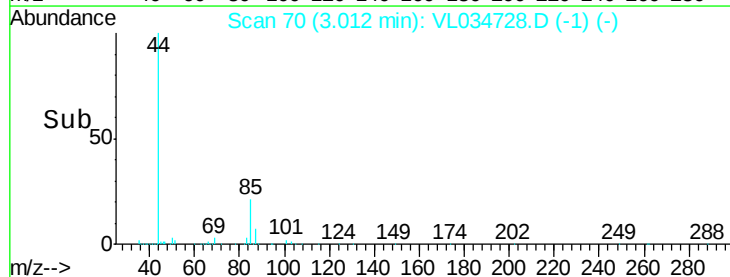
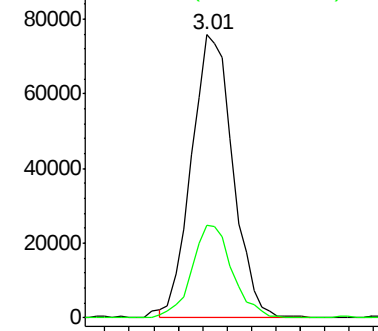
85 100

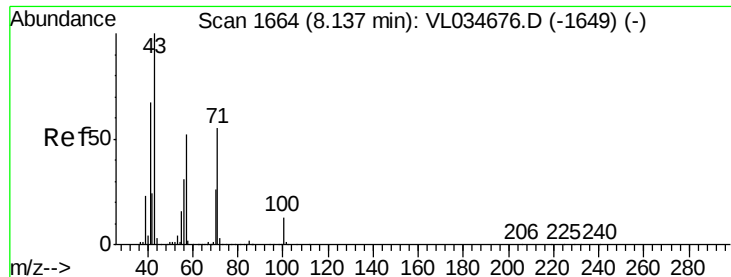
87 32.7 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





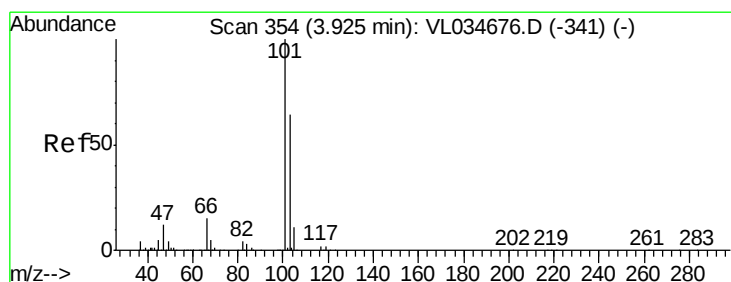
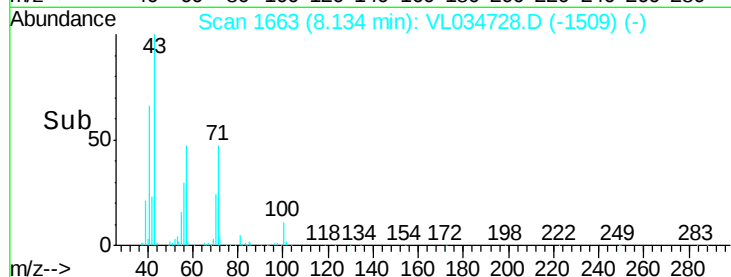
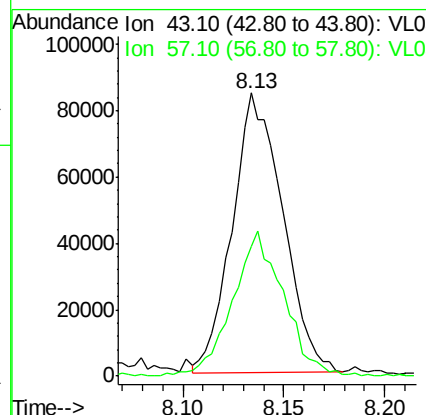
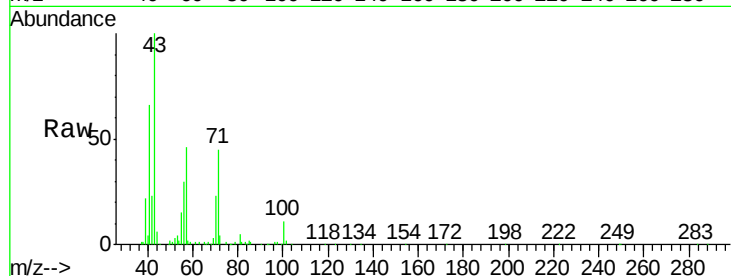
#10
Heptane
Concen: 1.162 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Tot Ion: 43 Resp: 147790
Ion Ratio Lower Upper
43 100
57 52.7 41.0 61.6

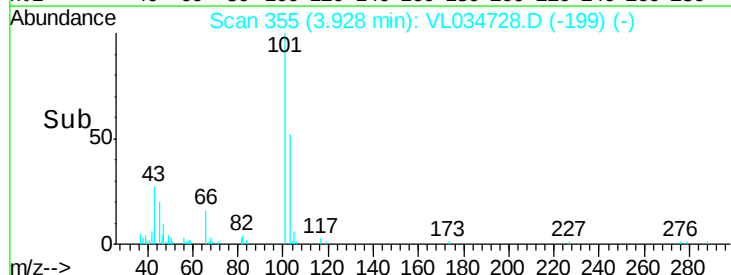
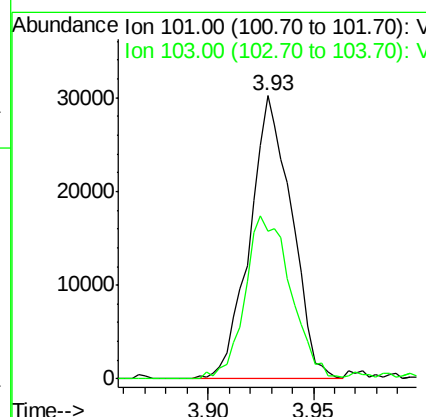
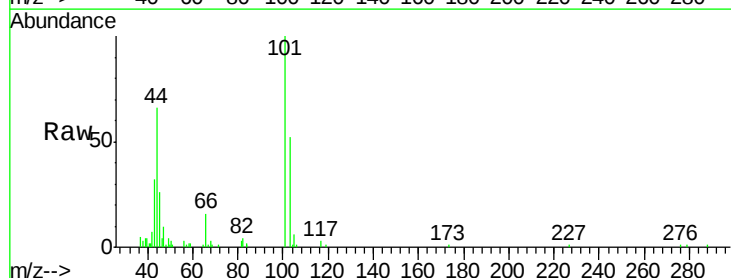
Manual Integrations
APPROVED

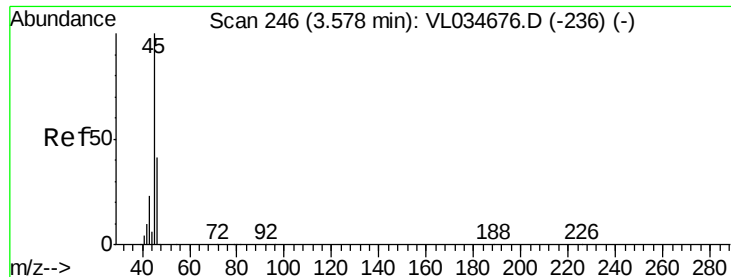
MMDadoda
2/28/2020 12:33:53 PM



#11
Trichlorofluoromethane
Concen: 0.275 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion: 101 Resp: 41667
Ion Ratio Lower Upper
101 100
103 52.2 51.2 76.8





#13

Ethanol

Concen: 275.497 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion: 45 Resp: 4299865

Ion Ratio Lower Upper

45 100

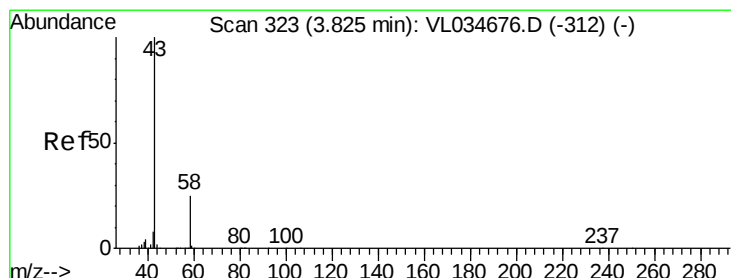
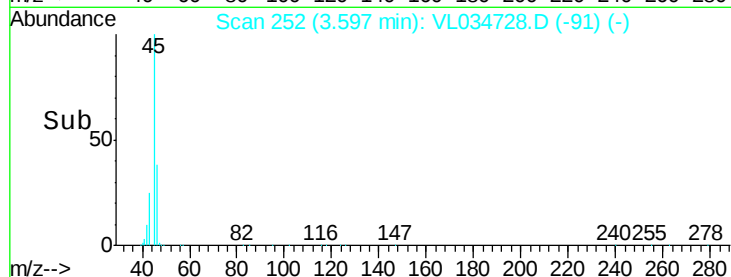
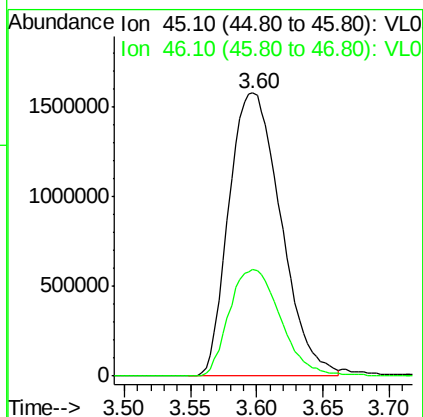
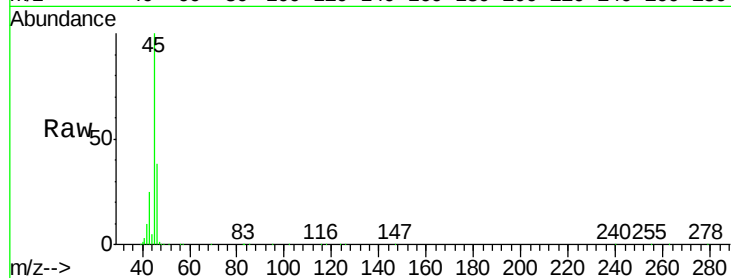
46 37.6 15.4 61.4

Manual Integrations

APPROVED

MMDadoda

2/28/2020 12:33:53 PM



#15

Acetone

Concen: 30.658 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL034728.D

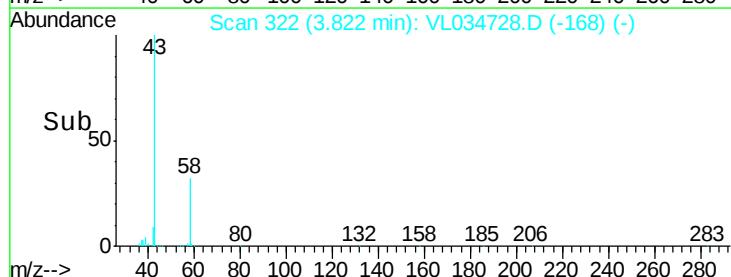
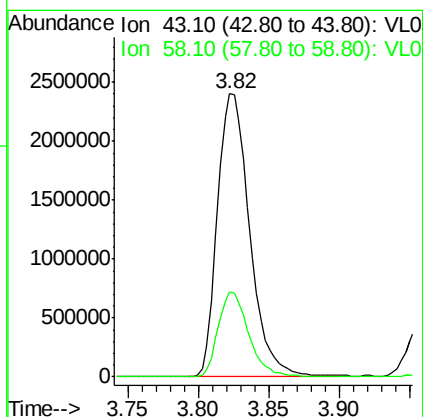
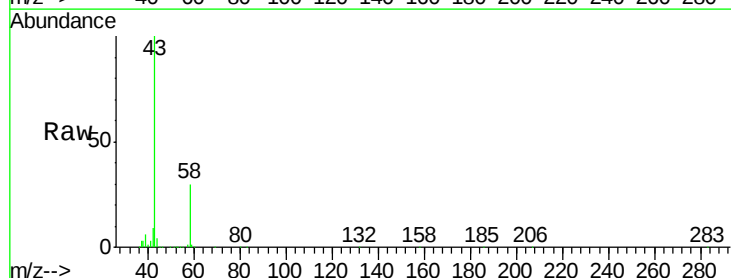
Acq: 28 Feb 2020 3:55

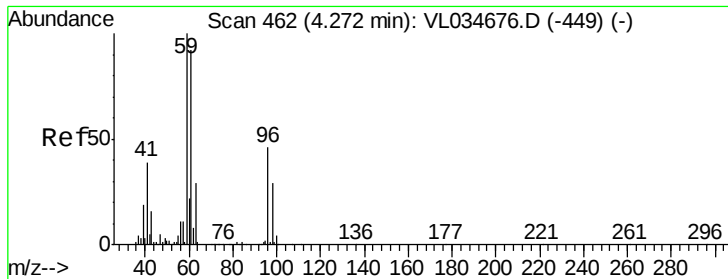
Tgt Ion: 43 Resp: 3826106

Ion Ratio Lower Upper

43 100

58 28.5 21.4 32.0





#17

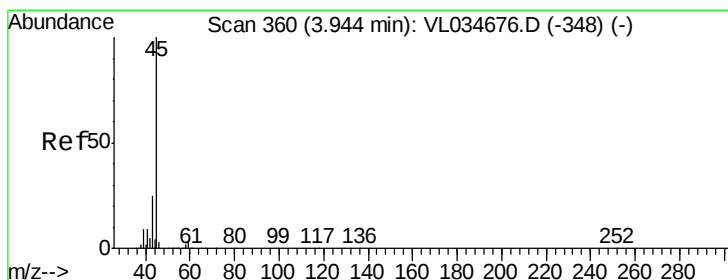
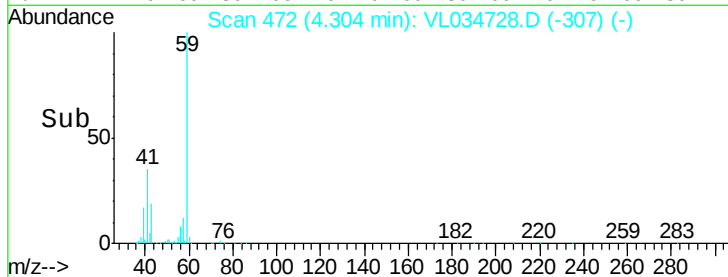
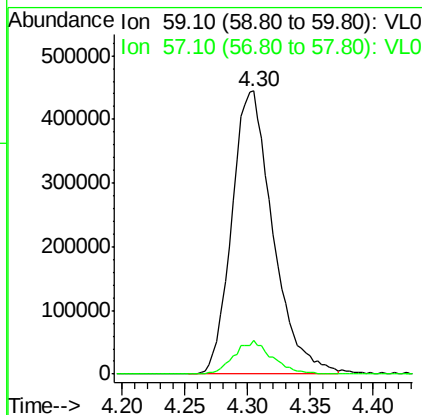
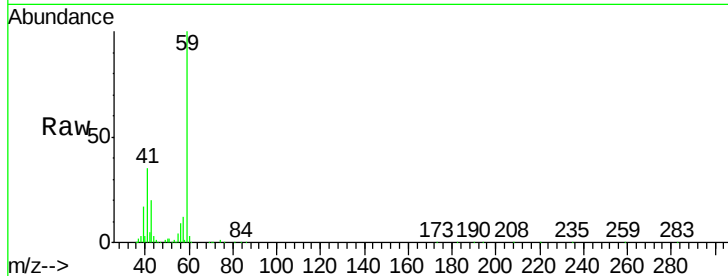
tert-Butyl alcohol
 Concen: 10.584 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VL034728.D
 Acq: 28 Feb 2020 3:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-TEACHER-WORK

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

Manual Integrations
 APPROVED

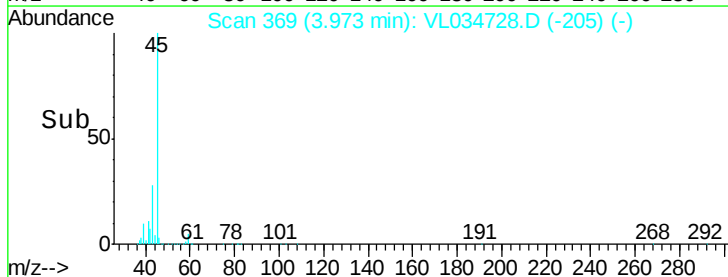
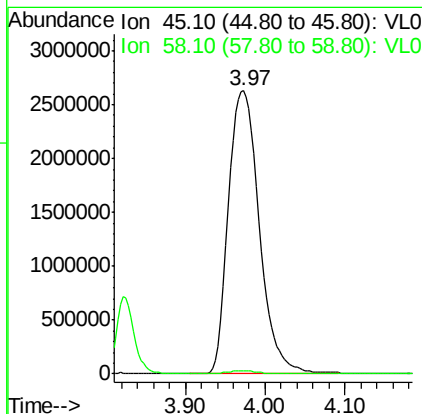
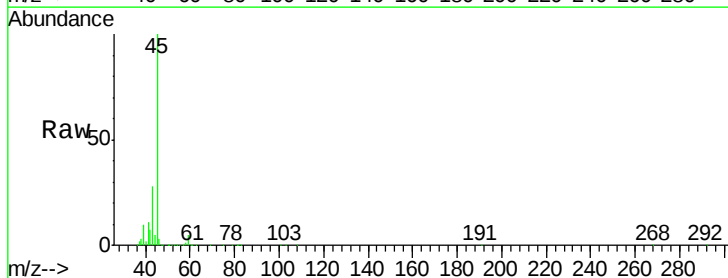
MMDadoda
 2/28/2020 12:33:53 PM

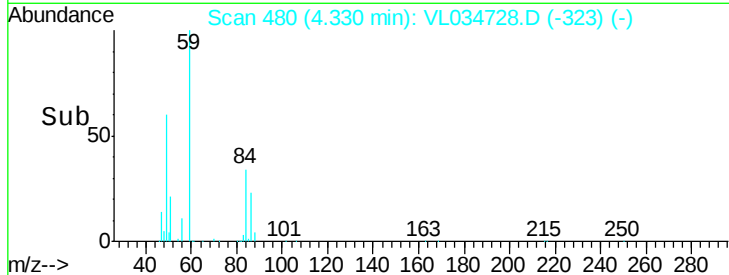
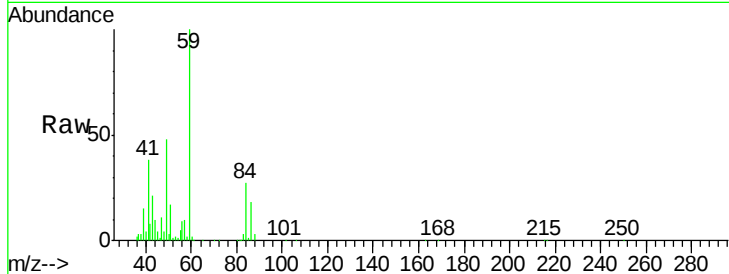
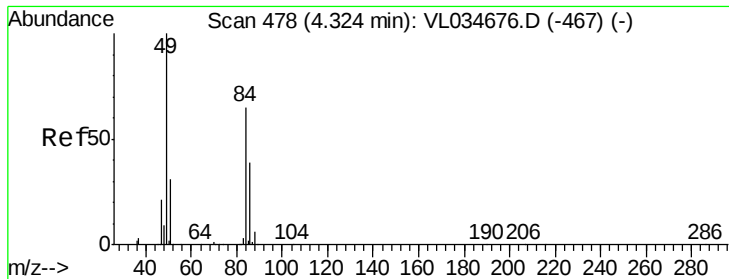


#19

Isopropyl Alcohol
 Concen: 95.864 ppbv m
 RT: 3.97 min Scan# 369
 Delta R.T. 0.03 min
 Lab File: VL034728.D
 Acq: 28 Feb 2020 3:55

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#





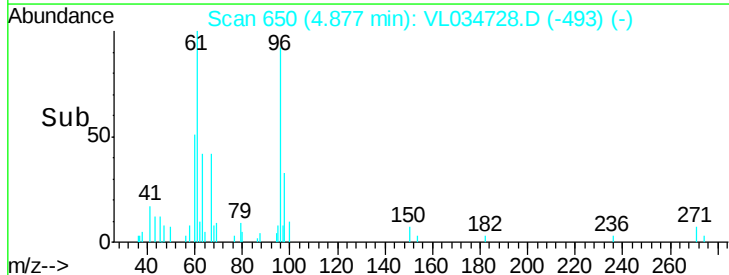
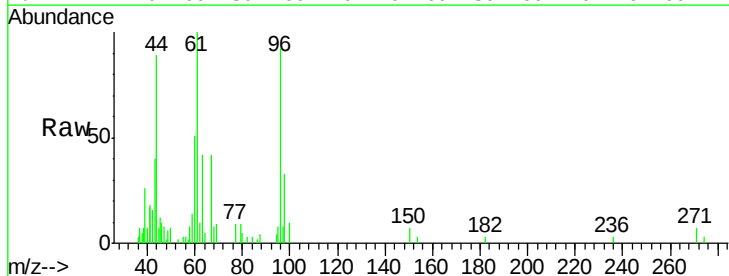
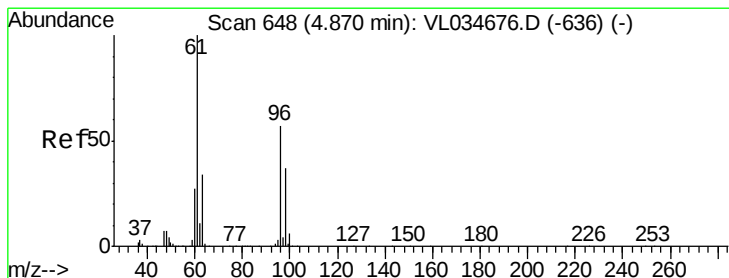
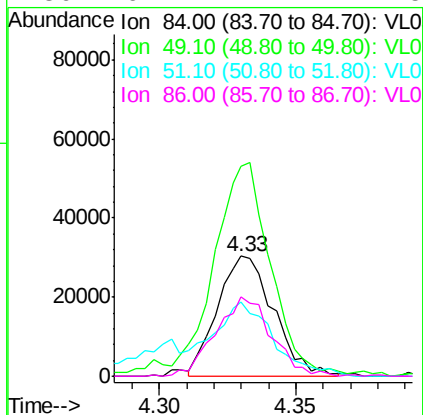
#20
Methvlene Chloride
Concen: 0.934 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tot Ion:	84	Resp:	43330
Ion	Ratio	Lower	Upper
84	100		
49	172.6	122.8	184.2
51	59.4	38.6	58.0#
86	67.4	47.7	71.5

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

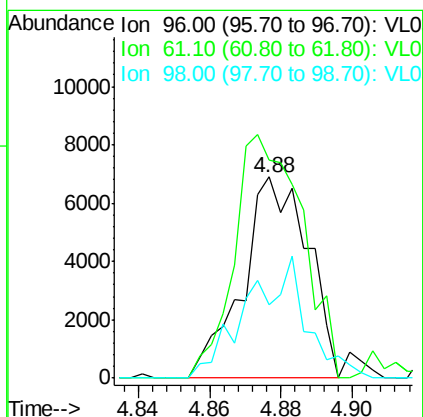
Manual Integrations
APPROVED

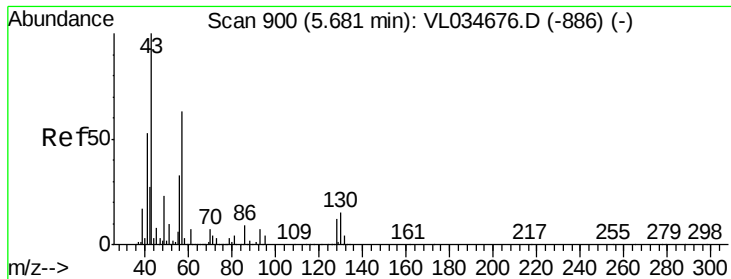
MMDadoda
2/28/2020 12:33:53 PM



#22
trans-1,2-Dichloroethene
Concen: 0.187 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion:	96	Resp:	8746
Ion	Ratio	Lower	Upper
96	100		
61	108.9	139.4	209.0#
98	36.3	51.3	76.9#





#26

Hexane

Concen: 1.471 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

ClientSampleId :

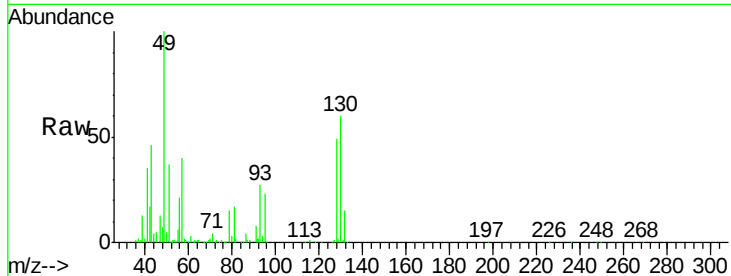
SG-5-TEACHER-WORK

Tot Ion: 57 Resp: 149789

Ion	Ratio	Lower	Upper
57	100		
41	94.5	70.3	105.5
43	153.2	177.0	265.4#
56	54.2	42.6	64.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:33:53 PM

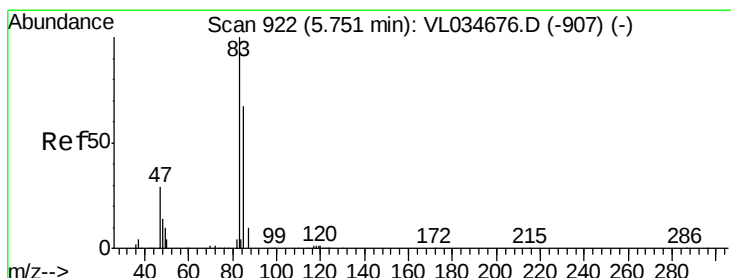
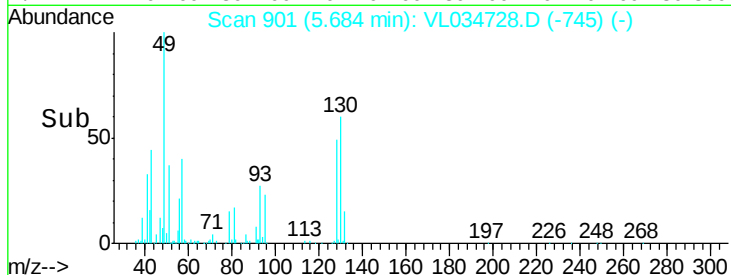
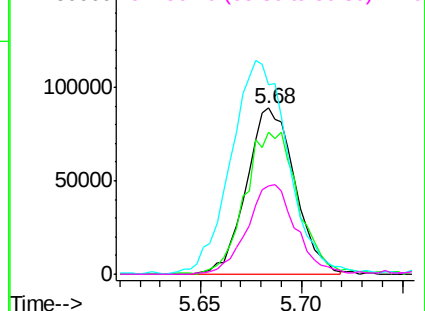


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.916 ppbv

RT: 5.75 min Scan# 922

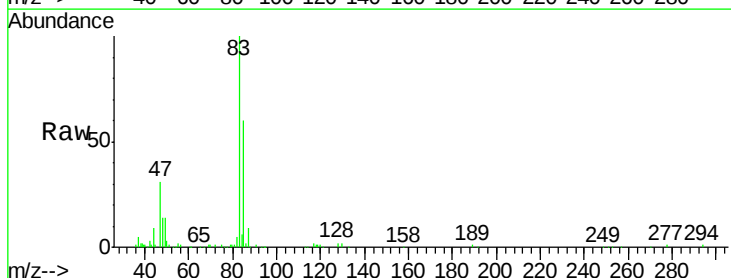
Delta R.T. -0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

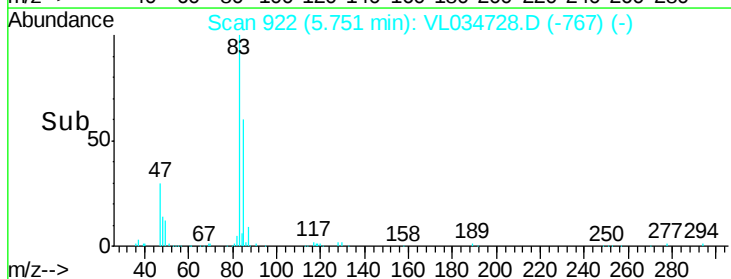
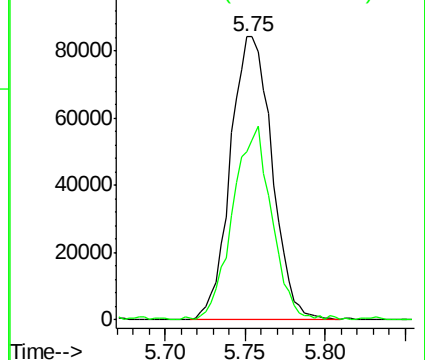
Tgt Ion: 83 Resp: 148522

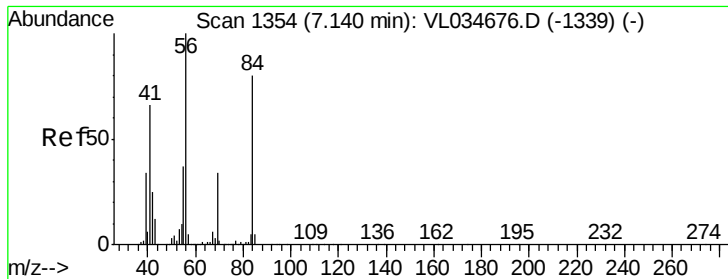
Ion	Ratio	Lower	Upper
83	100		
85	59.5	53.9	80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





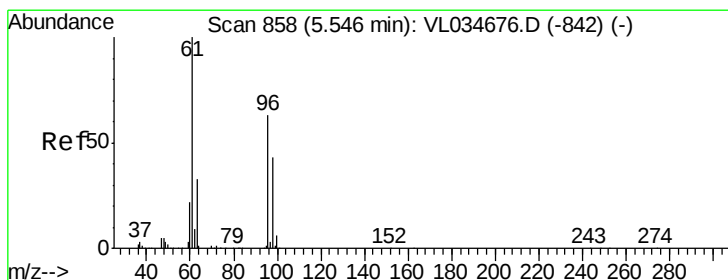
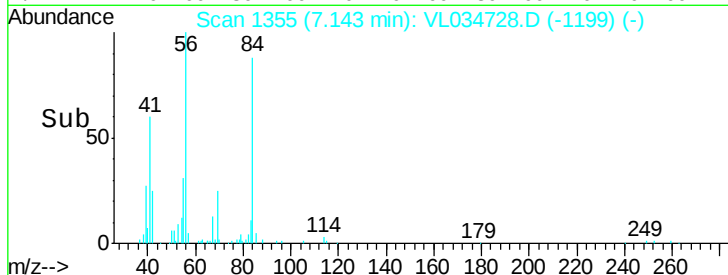
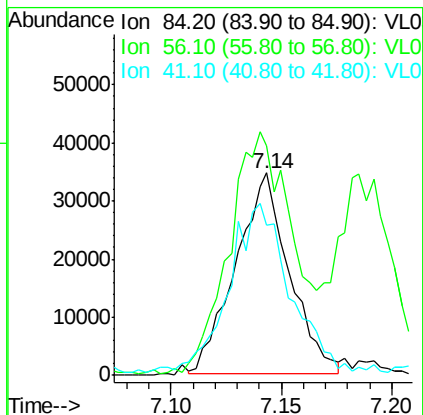
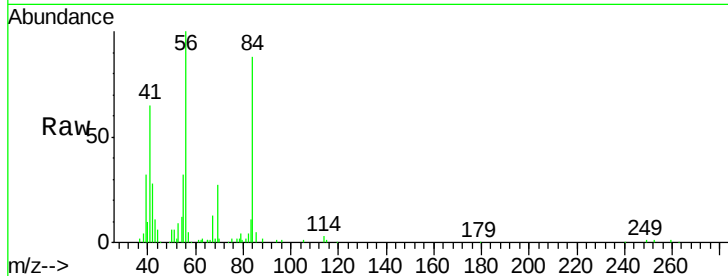
#30
Cvclohexane
Concen: 0.741 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Tot Ion	Ratio	Lower	Upper
84	100		
56	142.7	113.4	170.2
41	97.6	68.2	102.4

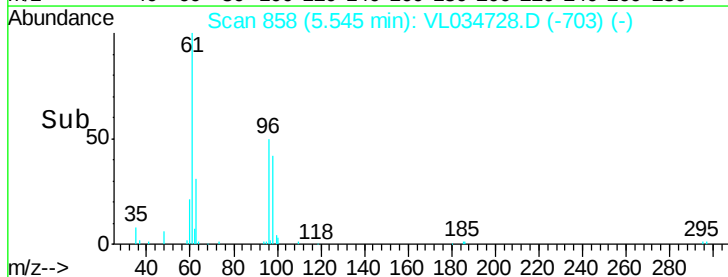
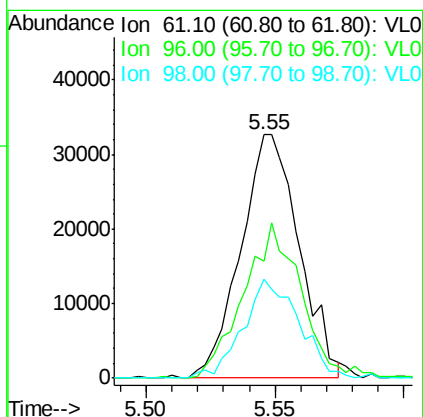
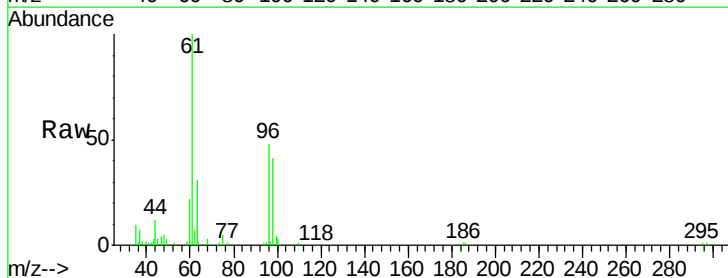
Manual Integrations
APPROVED

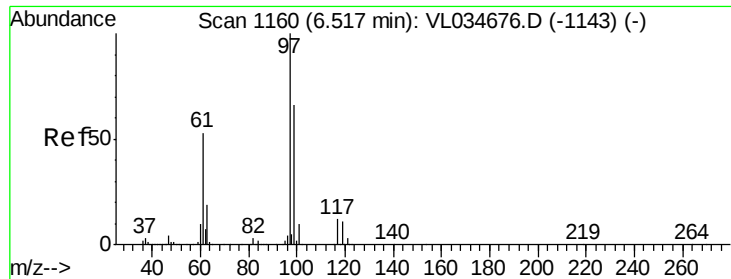
MMDadoda
2/28/2020 12:33:53 PM



#31
cis-1,2-Dichloroethene
Concen: 0.516 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion	Ratio	Lower	Upper
61	100		
96	48.0	50.2	75.2#
98	40.8	34.3	51.5





#32

1,1,1-Trichloroethane

Concen: 0.091 ppbv m

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

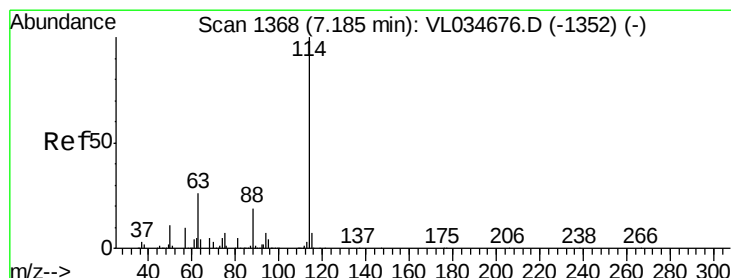
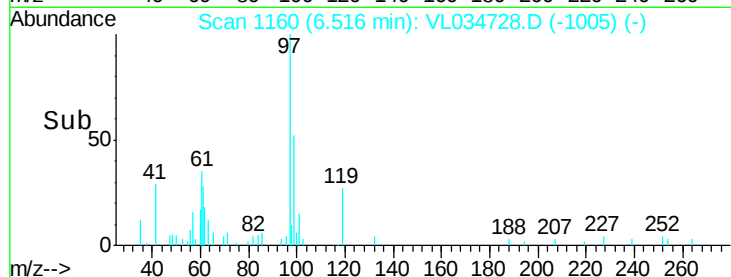
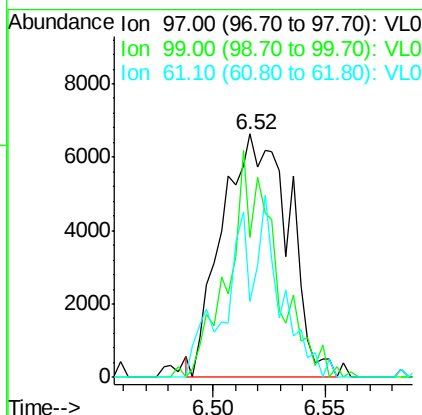
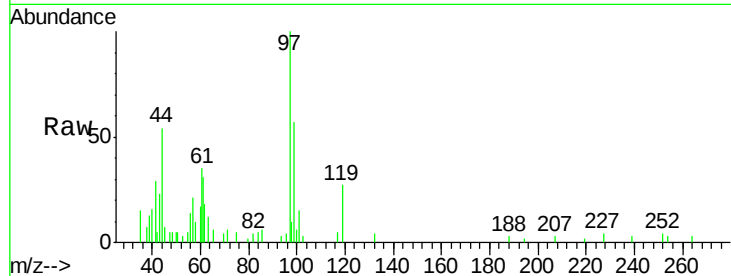
ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion:	97	Resp:	13741
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.3	78.5#
61	53.4	42.8	64.2

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:33:53 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

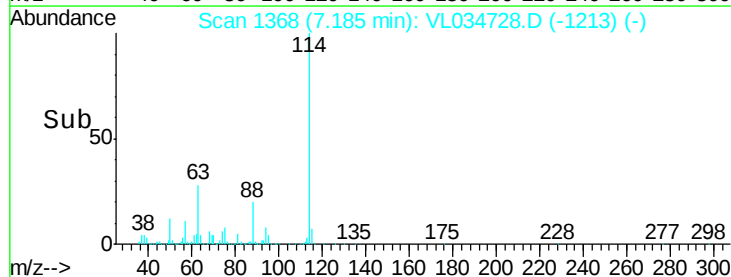
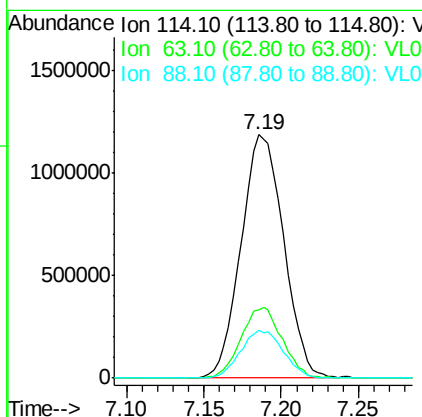
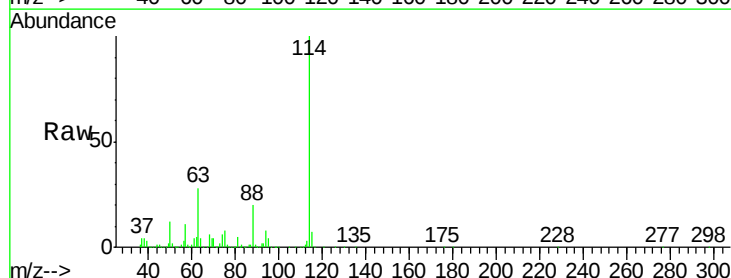
RT: 7.19 min Scan# 1368

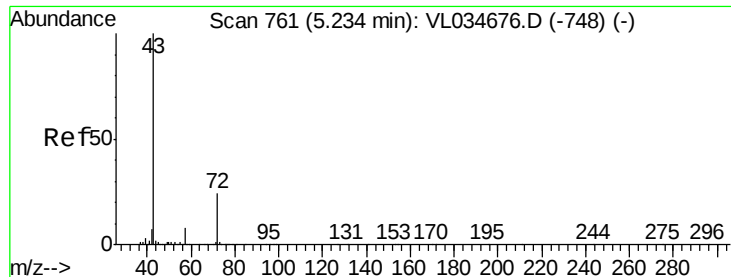
Delta R.T. -0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Tgt Ion:	114	Resp:	2280679
Ion Ratio	Lower	Upper	
114	100		
63	28.2	22.9	34.3
88	19.6	15.8	23.6





#34

2-Butanone

Concen: 4.002 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion: 43 Resp: 574455

Ion Ratio Lower Upper

43 100

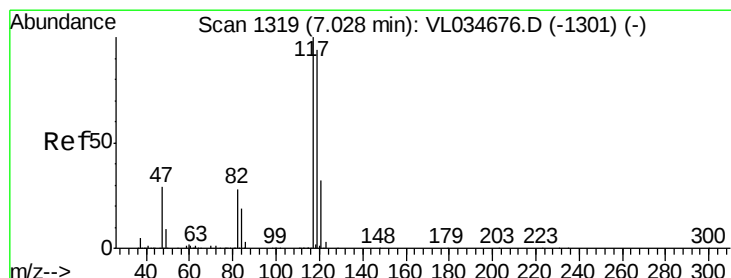
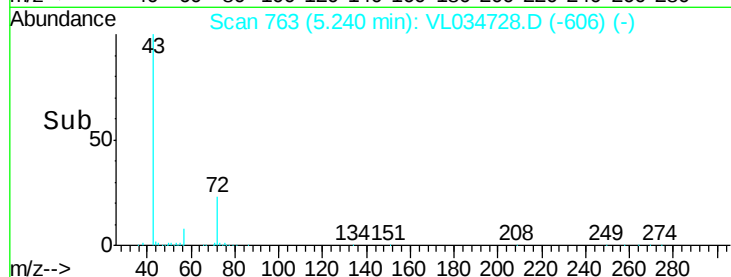
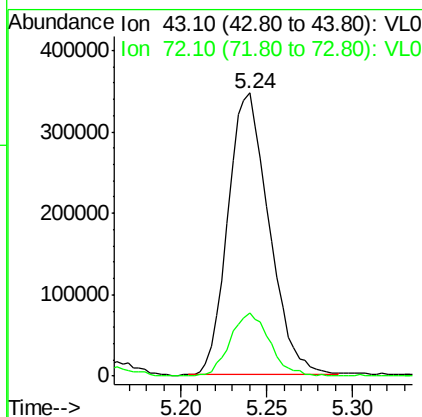
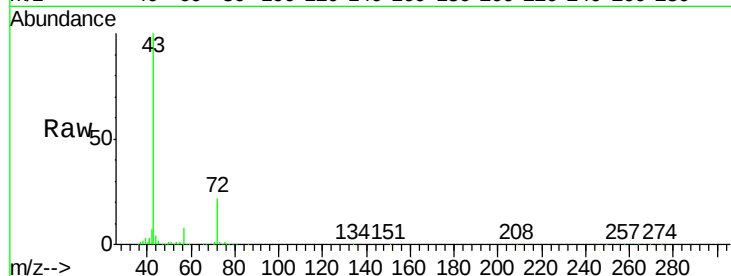
72 21.9 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

2/28/2020 12:33:53 PM



#35

Carbon Tetrachloride

Concen: 0.115 ppbv m

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

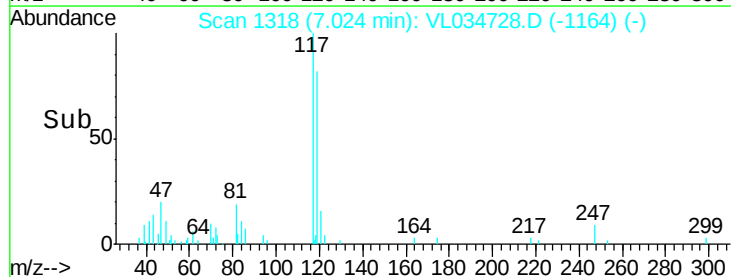
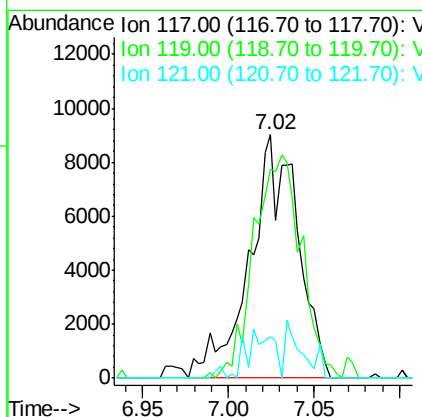
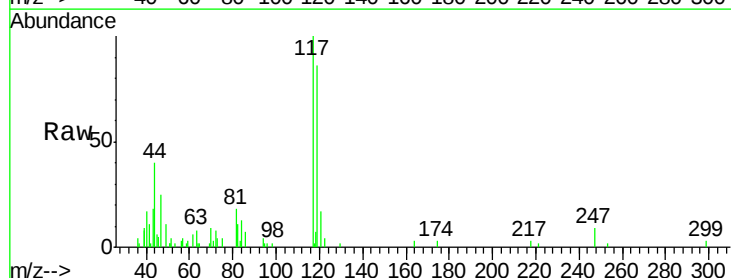
Tgt Ion: 117 Resp: 17641

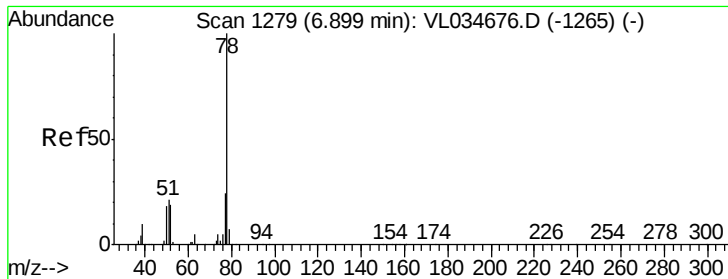
Ion Ratio Lower Upper

117 100

119 85.8 75.5 113.3

121 17.2 25.4 38.0#





#36

Benzene

Concen: 0.812 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

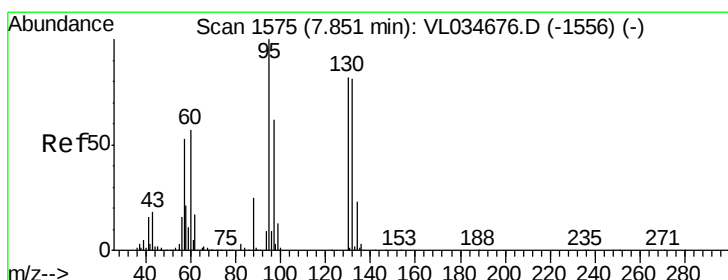
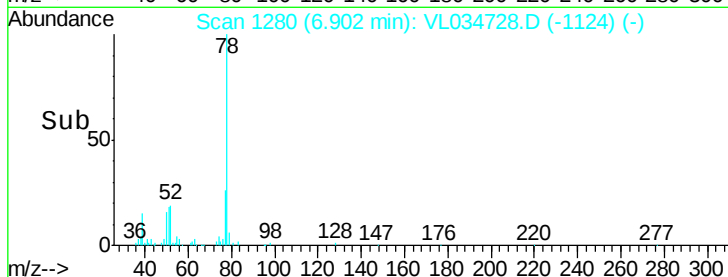
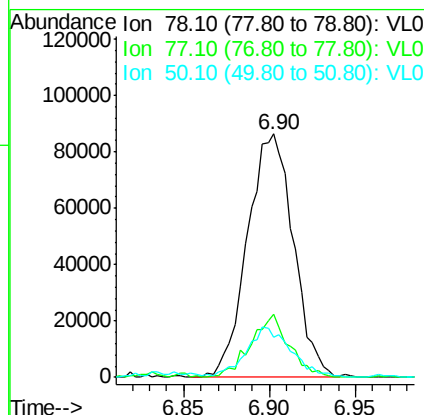
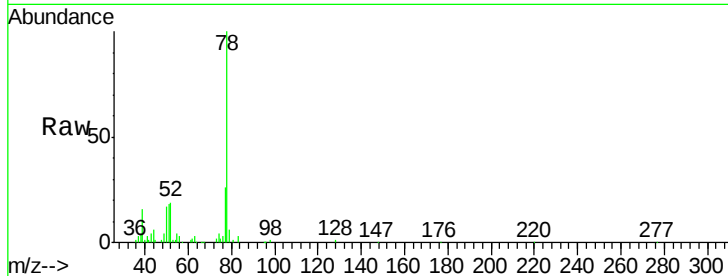
ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion:	78	Resp:	159854
Ion Ratio	Lower	Upper	
78	100		
77	26.0	19.5	29.3
50	15.9	14.6	21.8

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:33:53 PM



#38

Trichloroethene

Concen: 6.073 ppbv

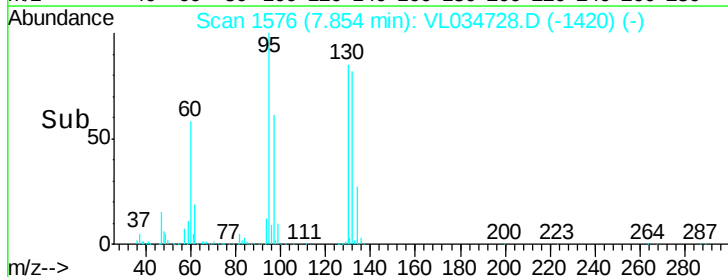
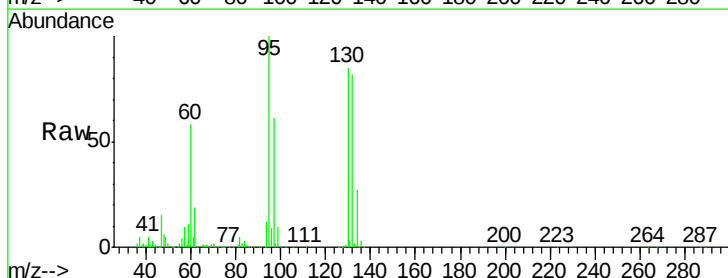
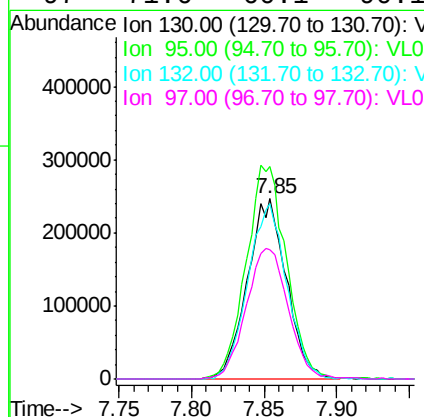
RT: 7.85 min Scan# 1576

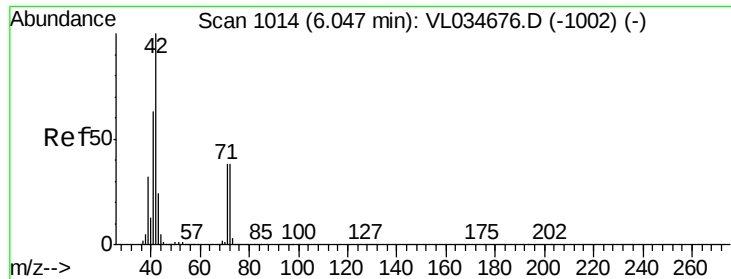
Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Tgt Ion:	130	Resp:	461116
Ion Ratio	Lower	Upper	
130	100		
95	118.0	97.1	145.7
132	97.3	78.3	117.5
97	71.6	60.1	90.1





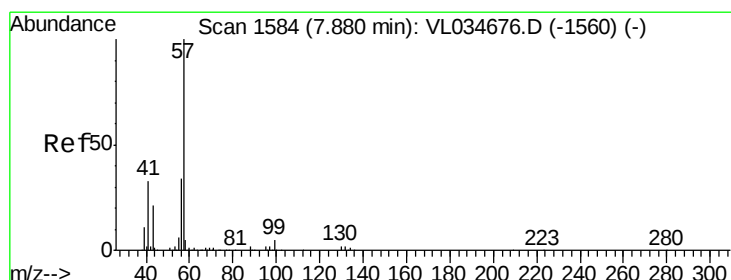
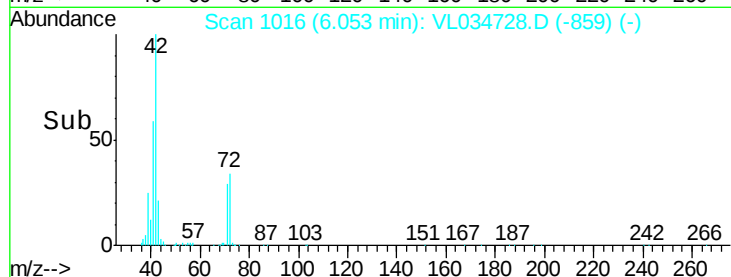
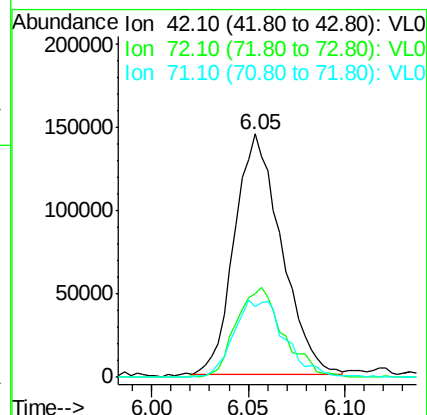
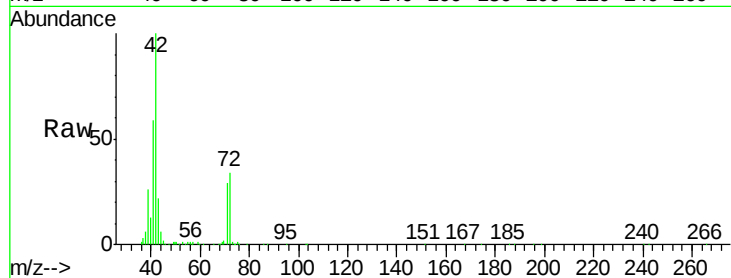
#41
Tetrahydrofuran
Concen: 3.199 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.7	47.5
71	35.3	30.7	46.1

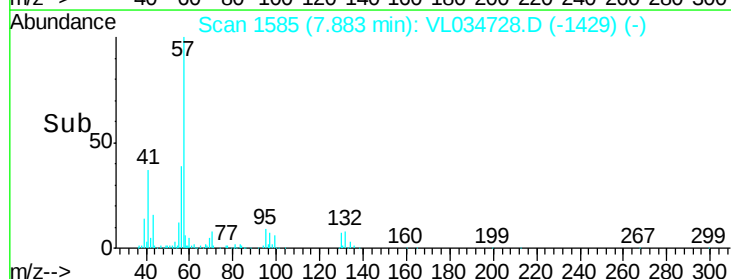
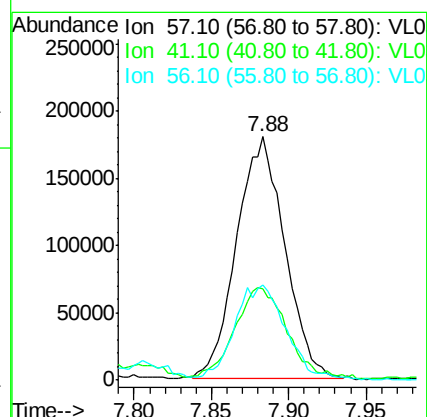
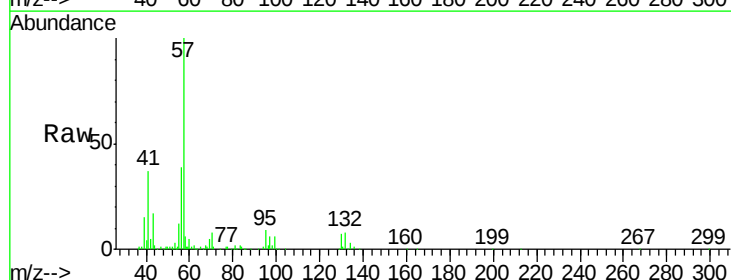
Manual Integrations
APPROVED

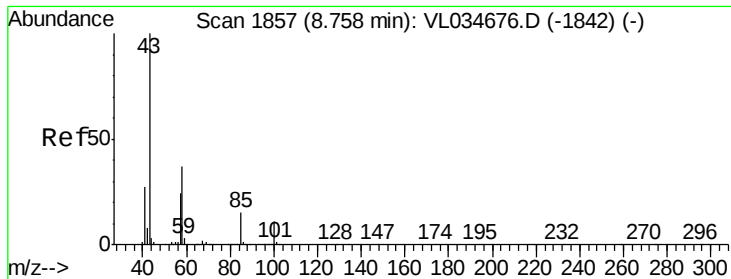
MMDadoda
2/28/2020 12:33:53 PM



#44
2,2,4-Trimethylpentane
Concen: 1.129 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion	Ratio	Lower	Upper
57	100		
41	42.6	26.0	39.0#
56	42.0	25.6	38.4#





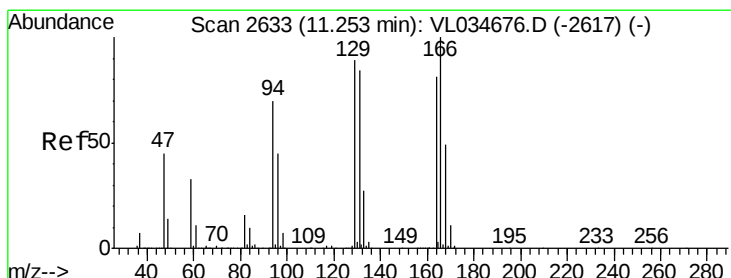
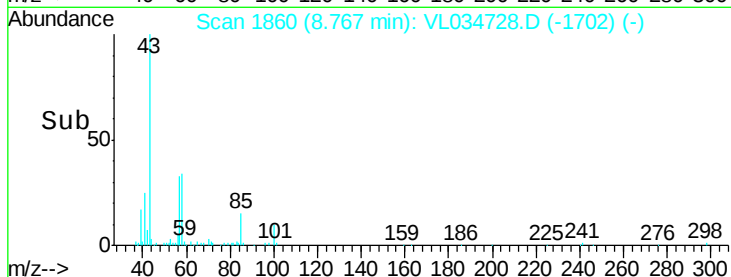
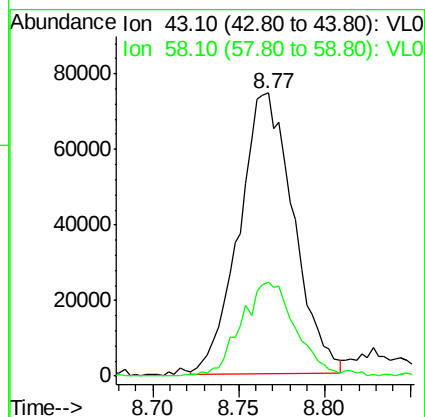
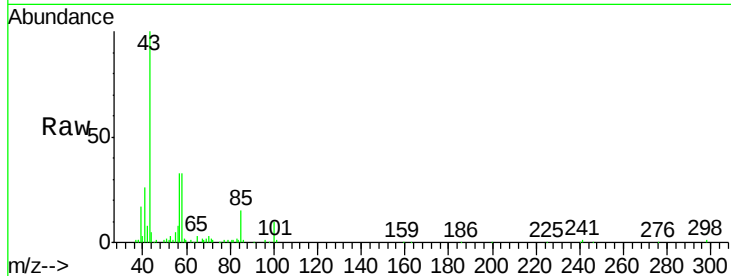
#50
4-Methyl-2-Pentanone
Concen: 0.807 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.1	29.0	43.6

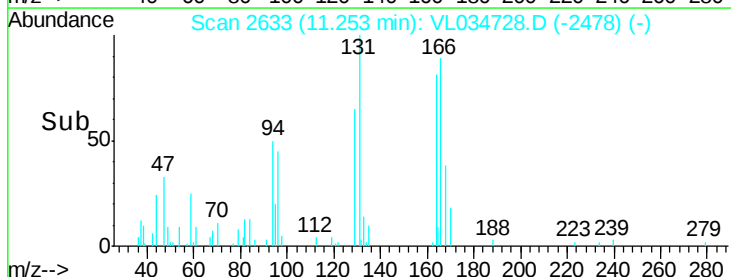
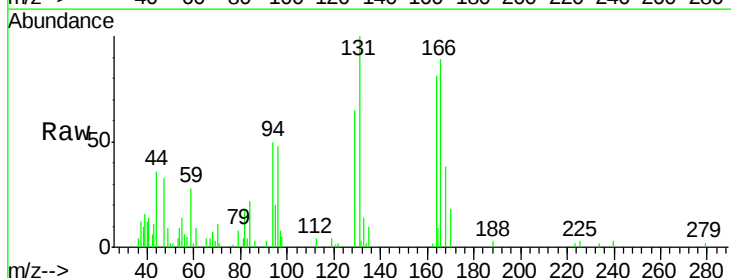
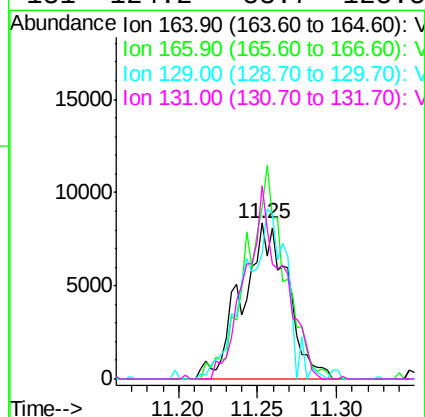
Manual Integrations
APPROVED

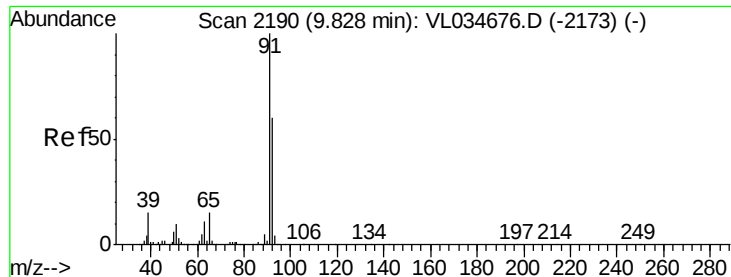
MMDadoda
2/28/2020 12:33:53 PM



#52
Tetrachloroethene
Concen: 0.235 ppbv m
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.6	99.2	148.8
129	80.6	88.0	132.0
131	124.2	83.7	125.5





#53

Toluene

Concen: 6.843 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion: 91 Resp: 1433734

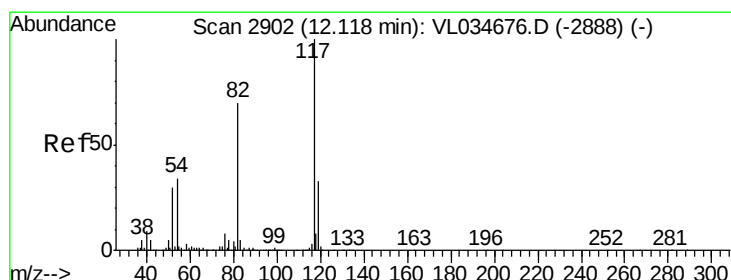
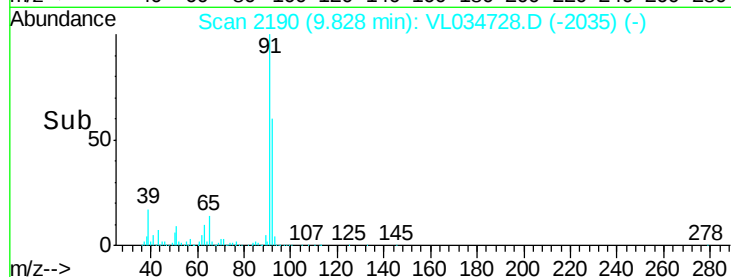
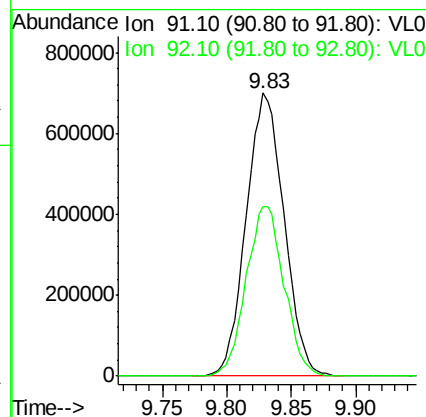
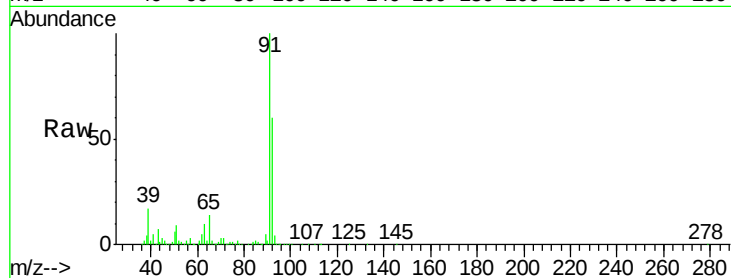
Ion Ratio Lower Upper

91 100

92 60.1 48.5 72.7

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:33:53 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

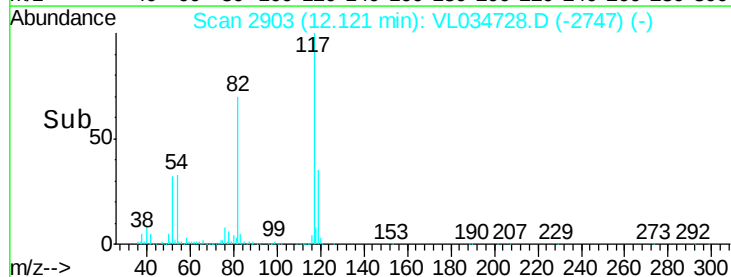
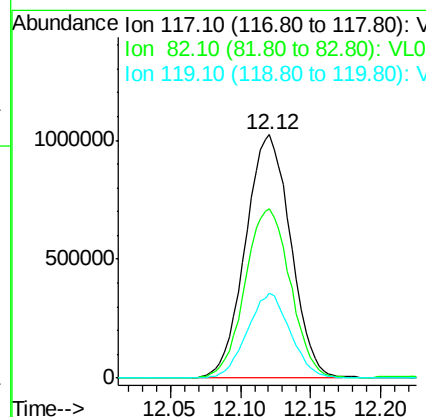
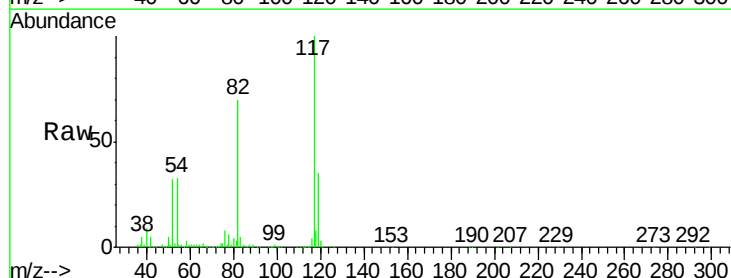
Tgt Ion: 117 Resp: 2293389

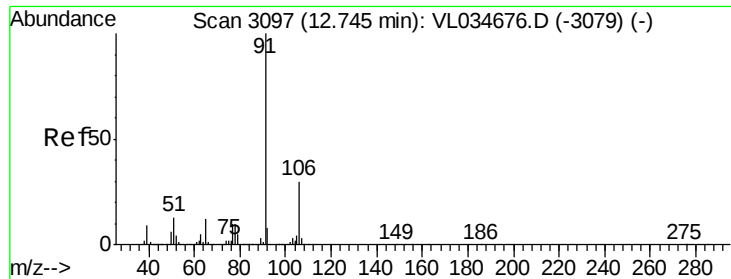
Ion Ratio Lower Upper

117 100

82 70.0 54.1 81.1

119 33.3 27.6 41.4





#58

Ethyl Benzene

Concen: 1.409 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion: 91 Resp: 390922

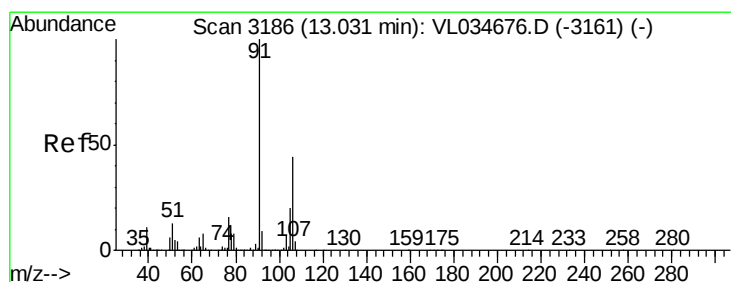
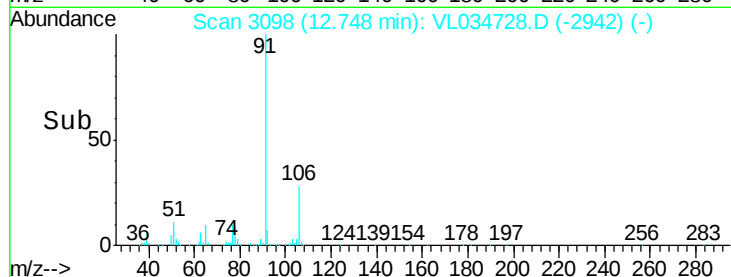
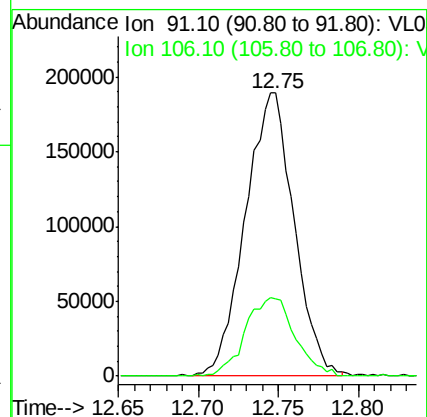
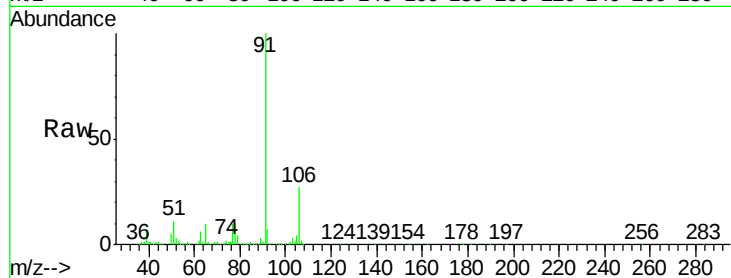
Ion Ratio Lower Upper

91 100

106 27.4 24.0 36.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:33:53 PM



#59

m/p-Xylene

Concen: 4.840 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.03 min

Lab File: VL034728.D

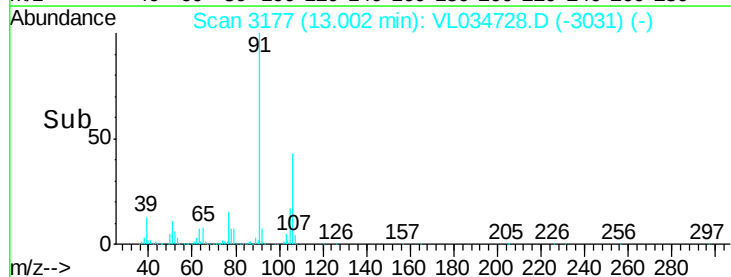
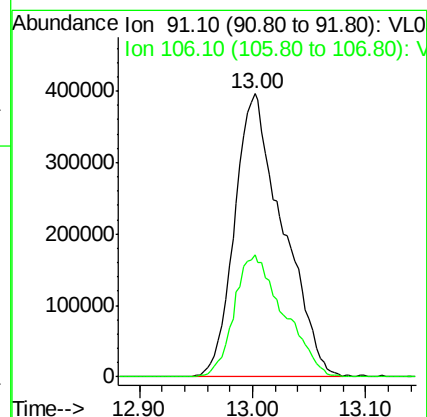
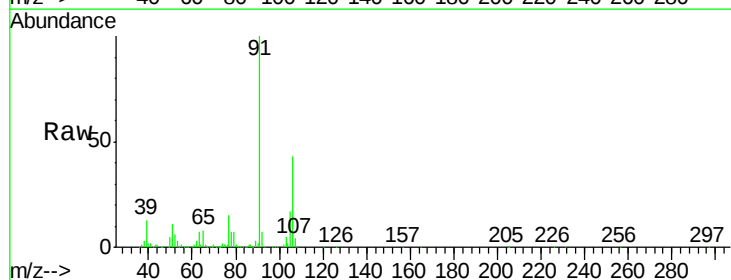
Acq: 28 Feb 2020 3:55

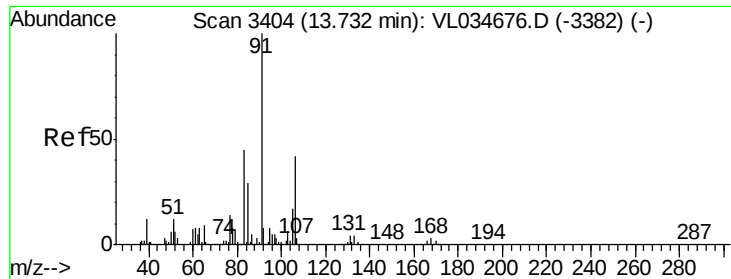
Tgt Ion: 91 Resp: 1171348

Ion Ratio Lower Upper

91 100

106 44.2 35.6 53.4





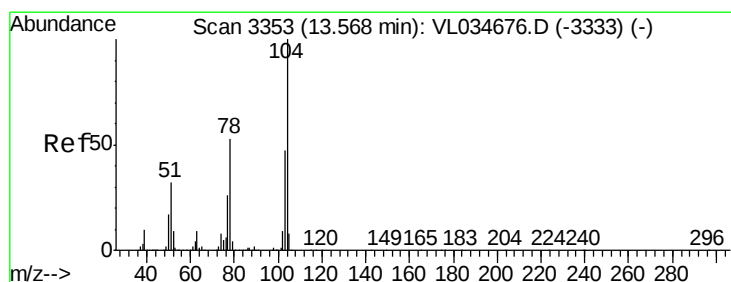
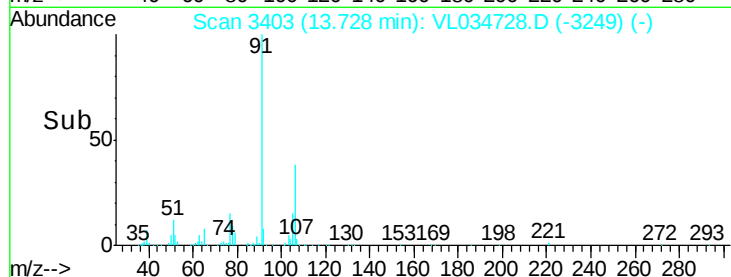
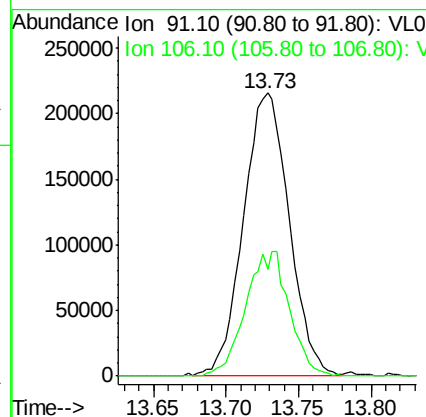
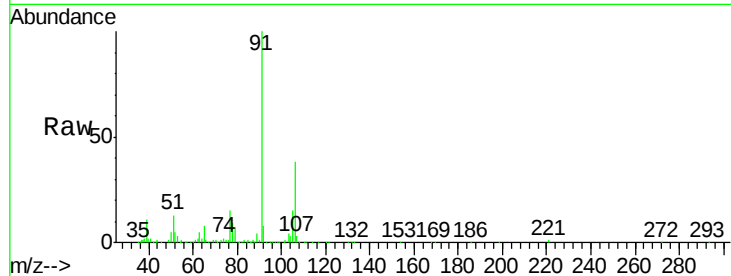
#60
o-Xylene
Concen: 1.956 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Tot Ion	Ratio	Lower	Upper
91	100		
106	42.5	21.9	65.5

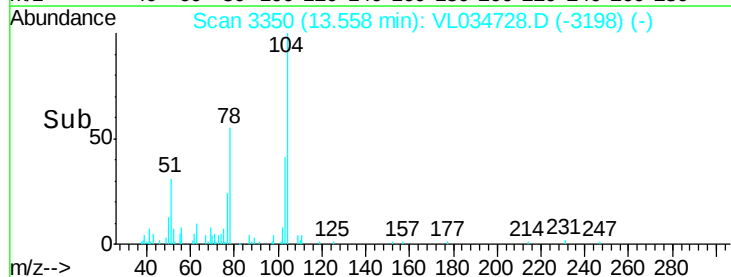
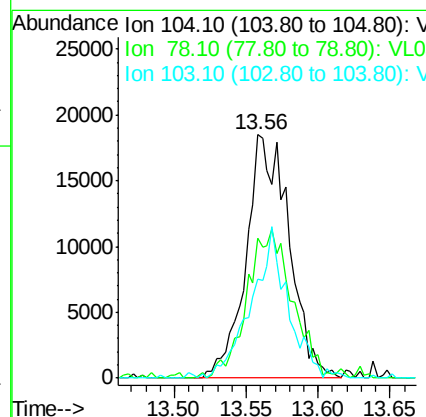
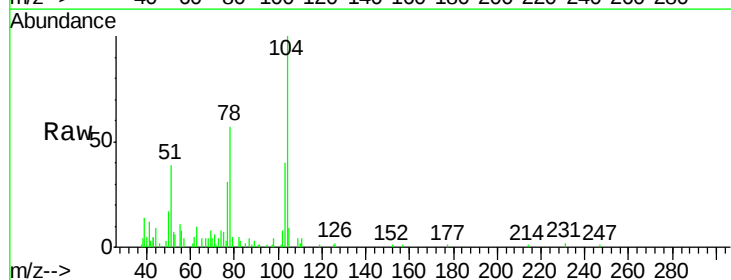
Manual Integrations
APPROVED

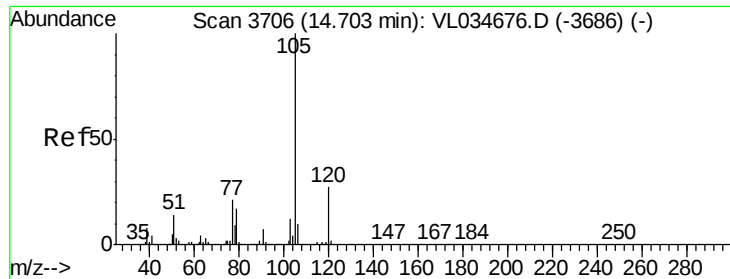
MMDadoda
2/28/2020 12:33:53 PM



#61
Styrene
Concen: 0.248 ppbv m
RT: 13.56 min Scan# 3350
Delta R.T. -0.01 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	65.7	44.2	66.4
103	53.4	37.4	56.0





#62

Isopropylbenzene

Concen: 0.110 ppbv m

RT: 14.71 min Scan# 3707

Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion:105 Resp: 38521

Ion Ratio Lower Upper

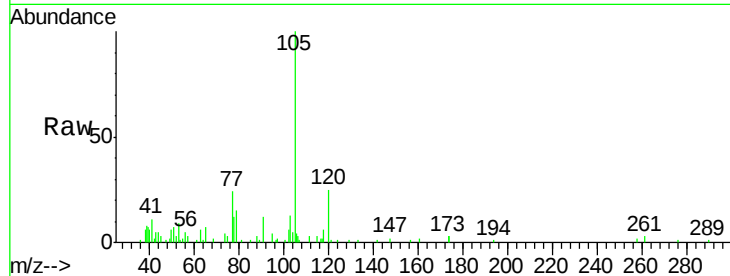
105 100

120 0.0 20.2 30.4#

Manual Integrations
APPROVED

MMDadoda

2/28/2020 12:33:53 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.71

20000

15000

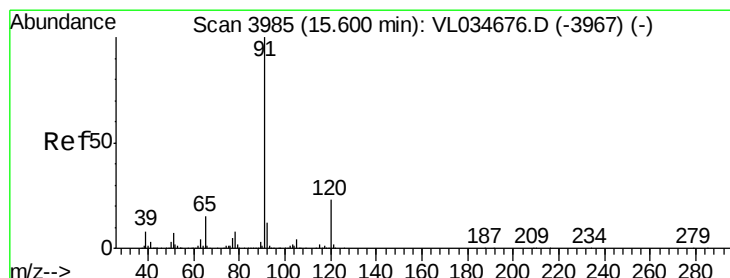
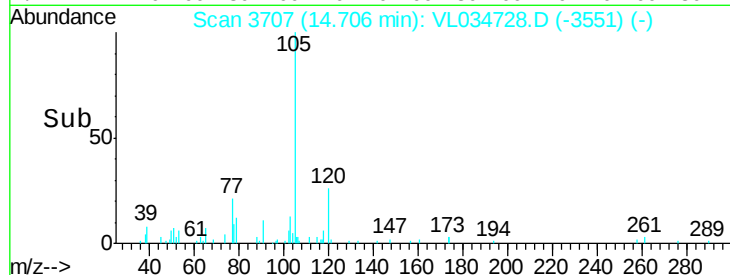
10000

5000

0

14.65 14.70 14.75 14.80

Time-->



#64

n-propylbenzene

Concen: 0.348 ppbv m

RT: 15.60 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VL034728.D

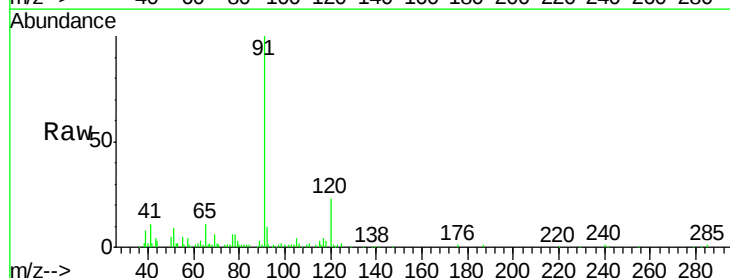
Acq: 28 Feb 2020 3:55

Tgt Ion:120 Resp: 31406

Ion Ratio Lower Upper

120 100

91 497.1 369.8 554.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

15.60

60000

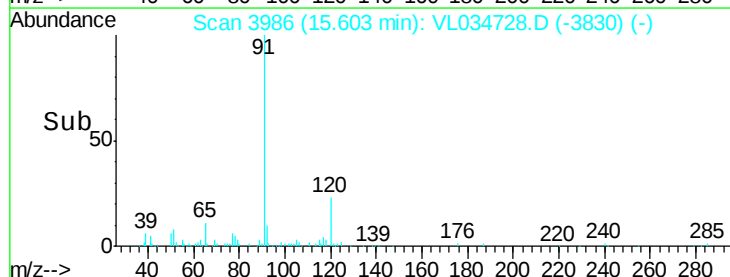
40000

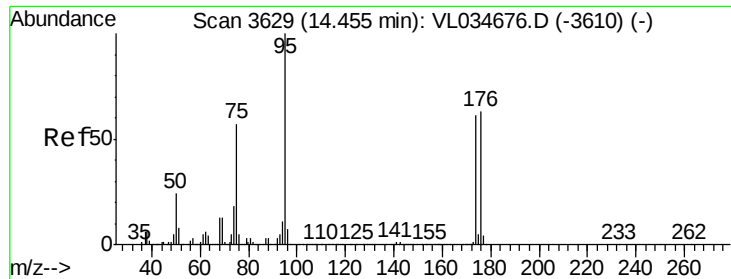
20000

0

15.50 15.55 15.60 15.65

Time-->





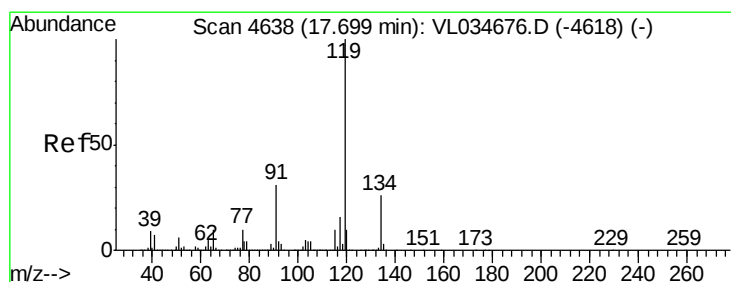
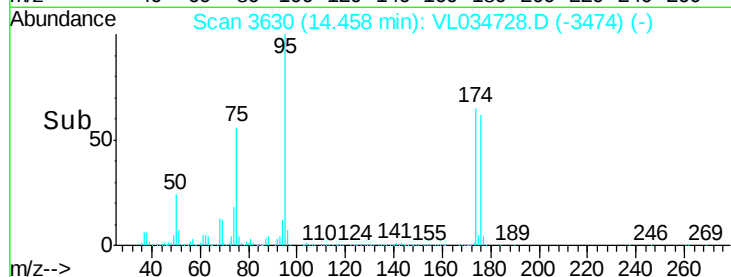
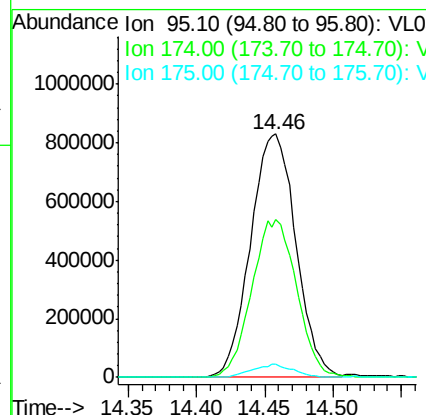
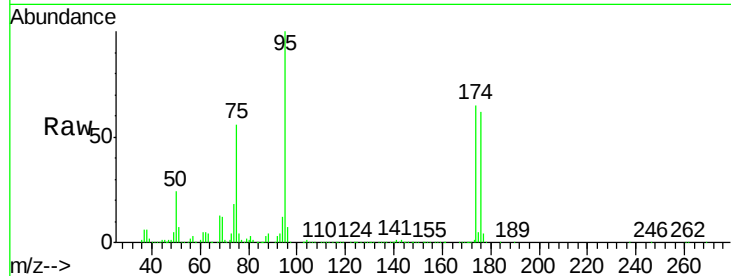
#68
1-Bromo-4-Fluorobenzene
Concen: 10.178 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Tot Ion: 95 Resp: 1914006
Ion Ratio Lower Upper
95 100
174 64.7 50.7 76.1
175 4.9 3.9 5.9

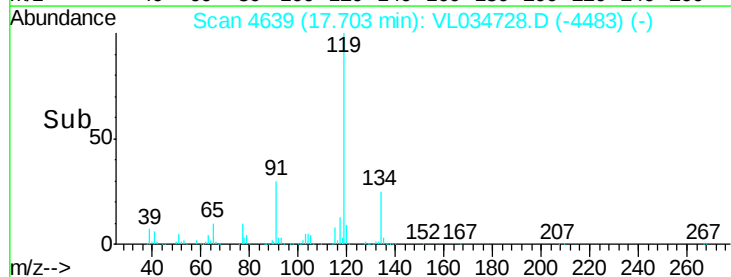
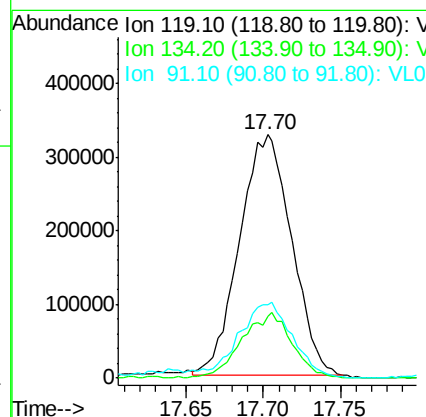
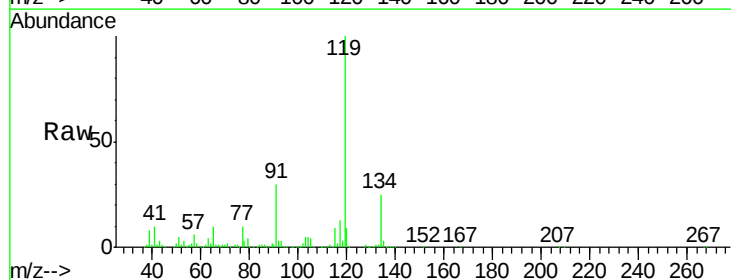
Manual Integrations
APPROVED

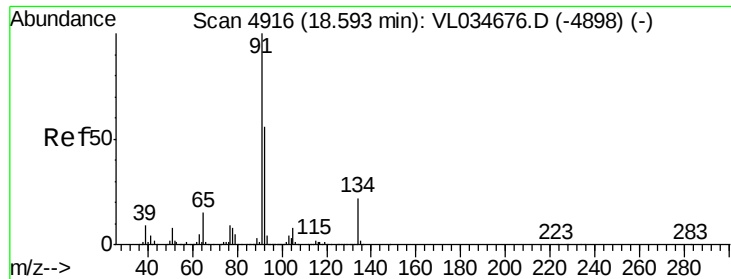
MMDadoda
2/28/2020 12:33:53 PM



#69
p-Isopropyltoluene
Concen: 2.140 ppbv
RT: 17.70 min Scan# 4639
Delta R.T. 0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion: 119 Resp: 766911
Ion Ratio Lower Upper
119 100
134 26.1 20.6 31.0
91 32.5 25.3 37.9





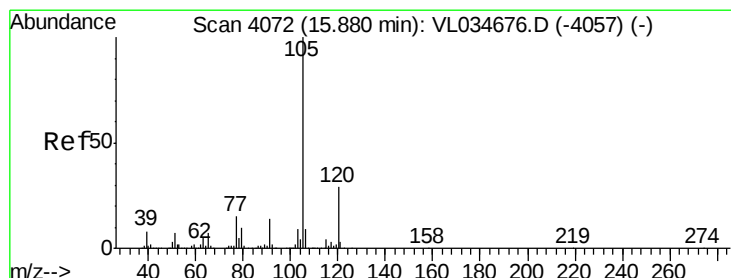
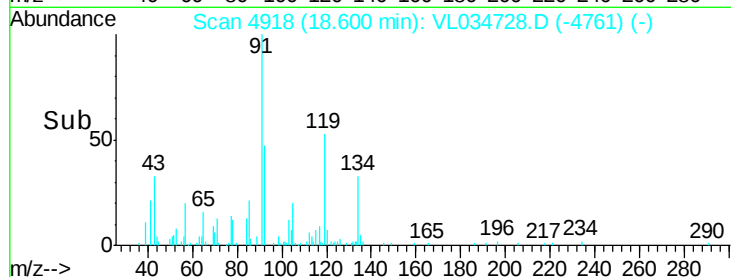
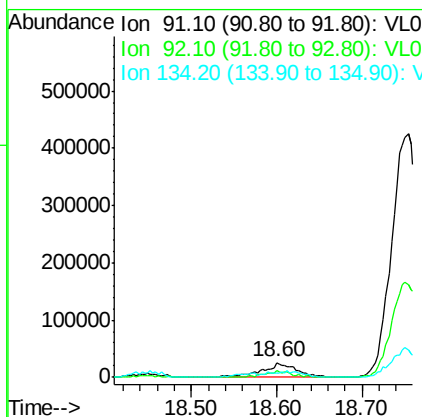
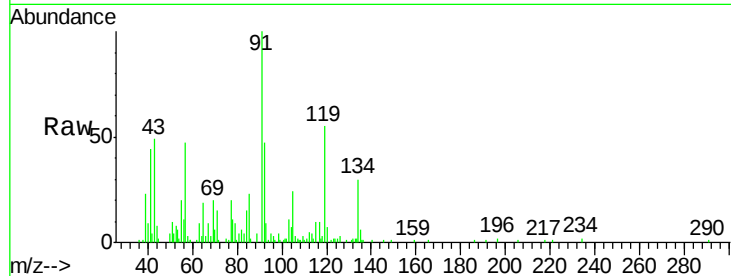
#70
n-Butylbenzene
Concen: 0.191 ppbv m
RT: 18.60 min Scan# 4918
Delta R.T. 0.01 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHER-WORK

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.6#
134	54.3	17.6	26.4#

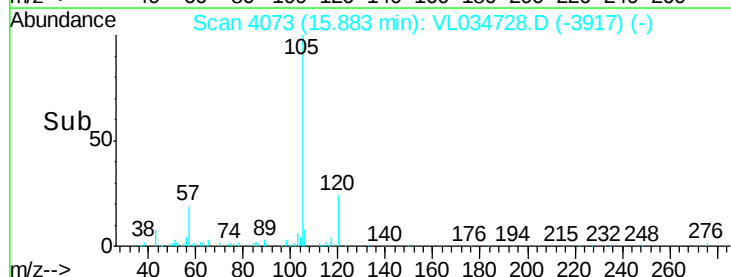
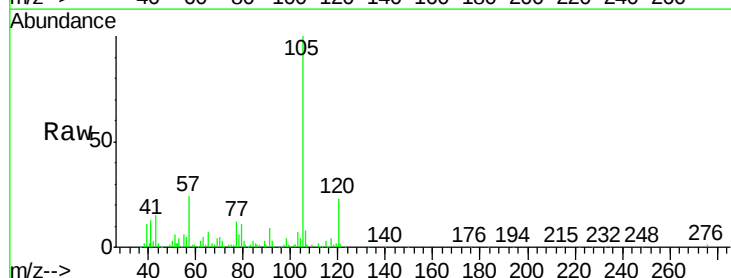
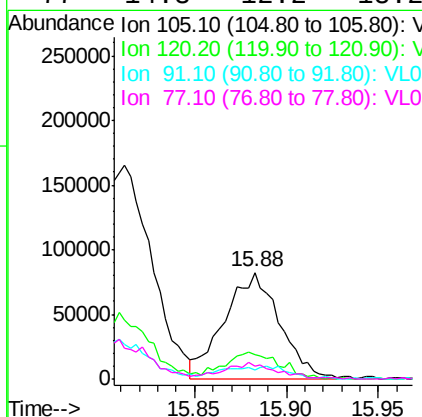
Manual Integrations
APPROVED

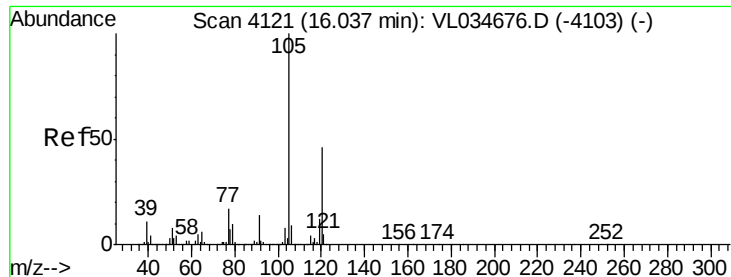
MMDadoda
2/28/2020 12:33:53 PM



#72
4-Ethyltoluene
Concen: 0.644 ppbv m
RT: 15.88 min Scan# 4073
Delta R.T. 0.00 min
Lab File: VL034728.D
Acq: 28 Feb 2020 3:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	23.7	35.5
91	15.2	10.9	16.3
77	14.3	12.2	18.2





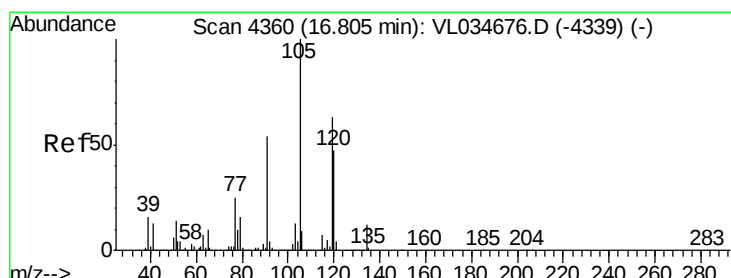
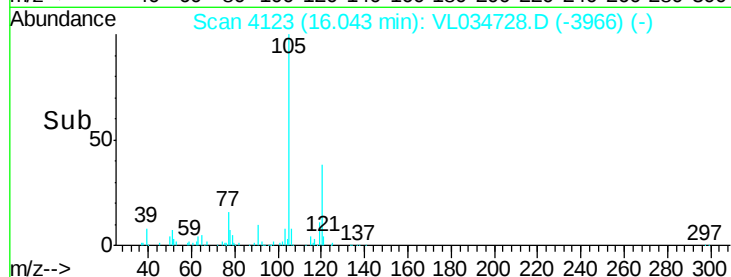
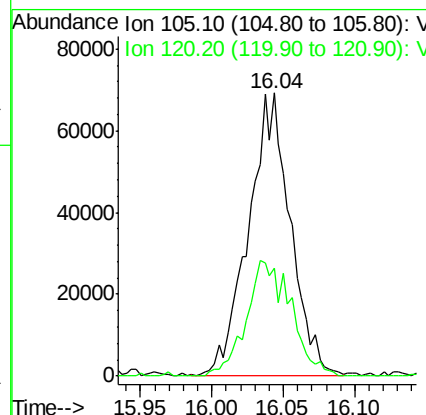
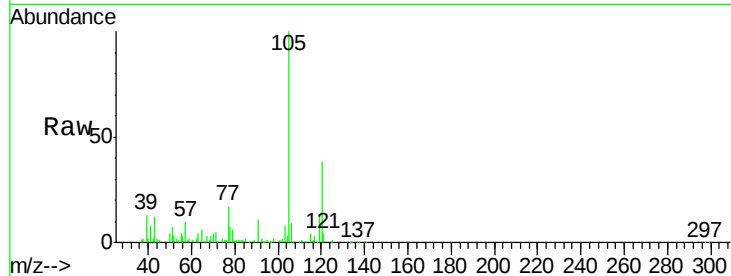
#73
 1,3,5-Trimethylbenzene
 Concen: 0.551 ppbv m
 RT: 16.04 min Scan# 4123
 Delta R.T. 0.01 min
 Lab File: VL034728.D
 Acq: 28 Feb 2020 3:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-TEACHER-WORK

Tot Ion	Ratio	Lower	Upper
105	100		
120	38.0	37.1	55.7

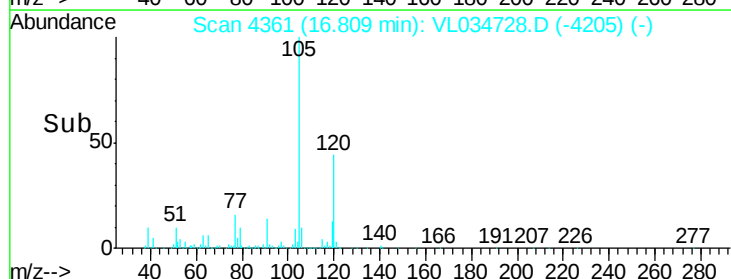
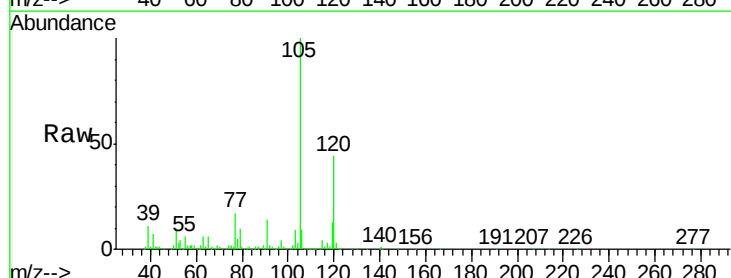
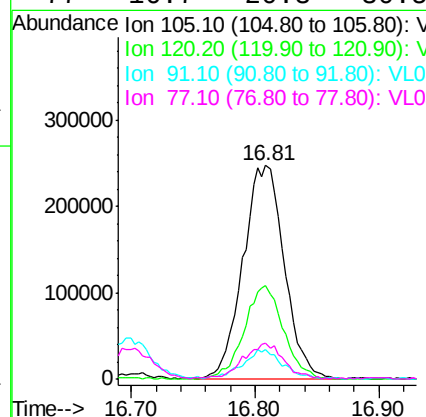
Manual Integrations
 APPROVED

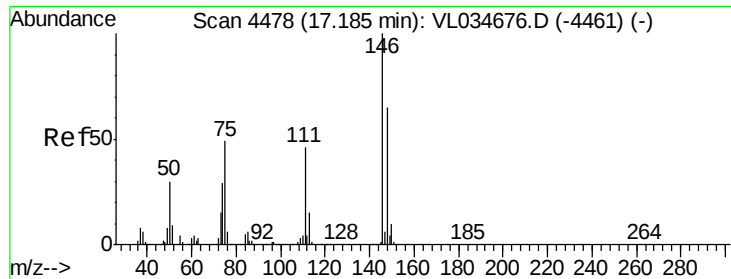
MMDadoda
 2/28/2020 12:33:53 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 2.016 ppbv m
 RT: 16.81 min Scan# 4361
 Delta R.T. 0.00 min
 Lab File: VL034728.D
 Acq: 28 Feb 2020 3:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	37.9	56.9
91	13.8	43.9	65.9#
77	16.7	20.3	30.5#





#76

1,4-Dichlorobenzene

Concen: 0.271 ppbv m

RT: 17.19 min Scan# 4479

Delta R.T. 0.00 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Instrument :

MSVOA_L

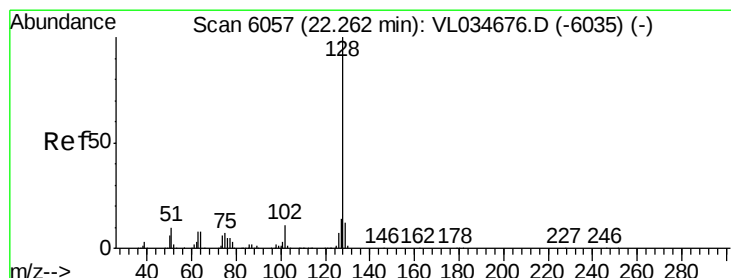
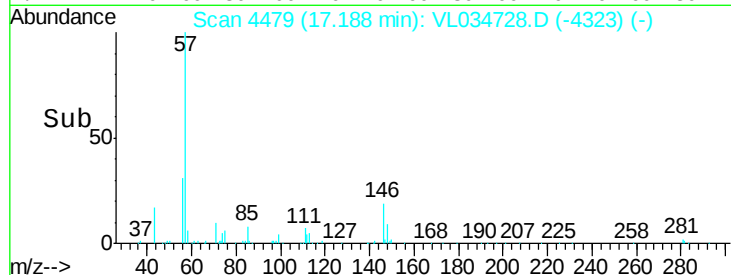
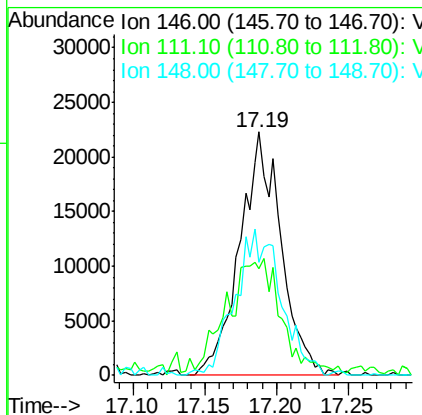
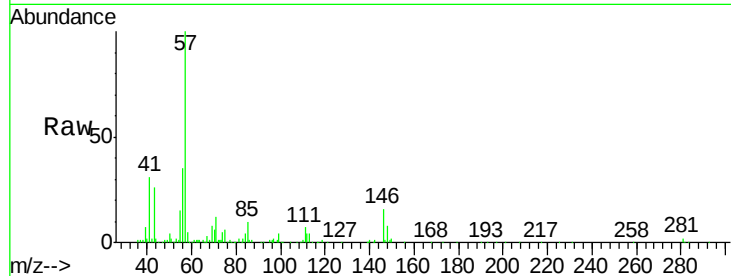
ClientSampleId :

SG-5-TEACHER-WORK

Tot Ion:	146	Resp:	44393
Ion Ratio	Lower	Upper	
146	100		
111	66.0	23.4	70.0
148	67.3	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:33:53 PM



#79

Naphthalene

Concen: 0.342 ppbv m

RT: 22.27 min Scan# 6060

Delta R.T. 0.01 min

Lab File: VL034728.D

Acq: 28 Feb 2020 3:55

Tgt Ion:	128	Resp:	85554
Ion Ratio	Lower	Upper	
128	100		
127	14.3	11.0	16.6
129	10.5	9.4	14.2

