

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034729.D
 Acq On : 28 Feb 2020 4:34
 Operator : SY/AP
 Sample : L1661-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 2/28/2020 12:34:00 PM

Quant Time: Feb 28 12:38:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1112113	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2300664	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2283480	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1907687	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	511588	32.280	ppbv	96
15) Acetone	3.84	43	435014	3.433	ppbv	99
17) tert-Butyl alcohol	4.29	59	103073	1.061	ppbv	96
38) Trichloroethene	7.86	130	41307m	0.539	ppbv	
41) Tetrahydrofuran	6.07	42	22248m	0.291	ppbv	
53) Toluene	9.83	91	116657m	0.552	ppbv	
59) m/p-Xylene	13.01	91	76919m	0.319	ppbv	
60) o-Xylene	13.73	91	30859m	0.129	ppbv	

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

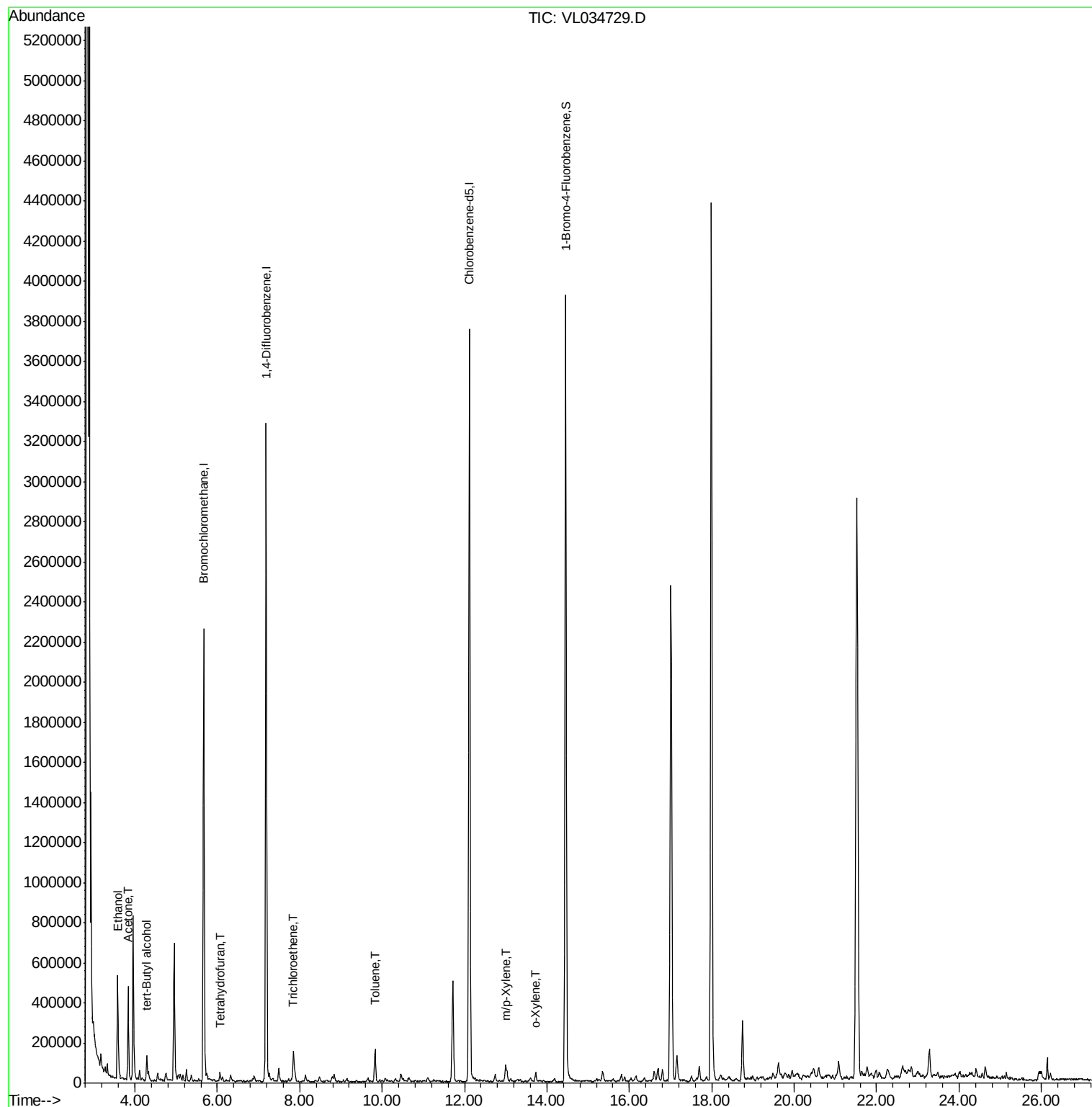
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022720\
Data File : VL034729.D
Acq On : 28 Feb 2020 4:34
Operator : SY/AP
Sample : L1661-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

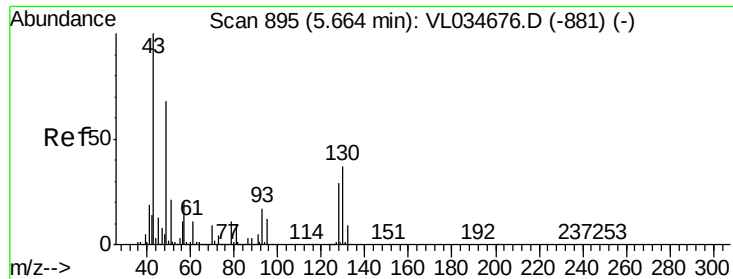
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Feb 28 12:38:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034729.D

Acq: 28 Feb 2020 4:34

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORKDL

Tot Ion: 49 Resp: 1112113

Ion Ratio Lower Upper

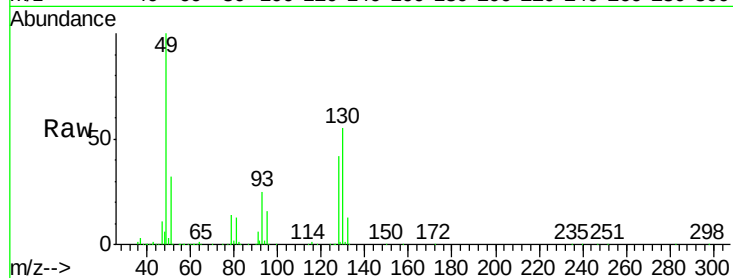
49 100

128 42.6 21.6 65.0

130 55.2 27.7 83.1

Manual Integrations
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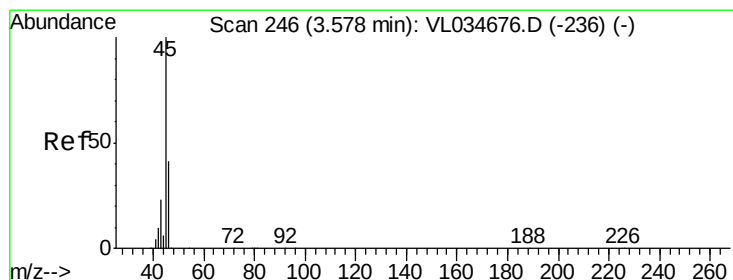
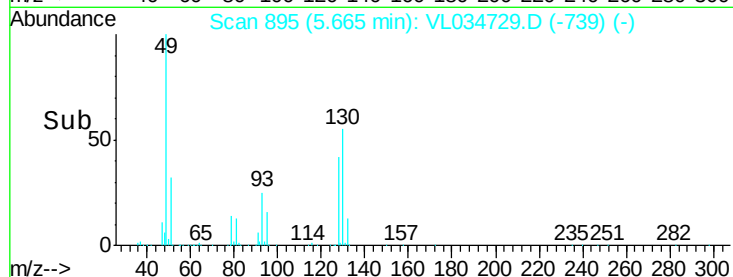
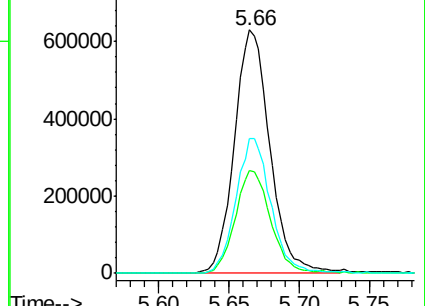
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 32.280 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.00 min

Lab File: VL034729.D

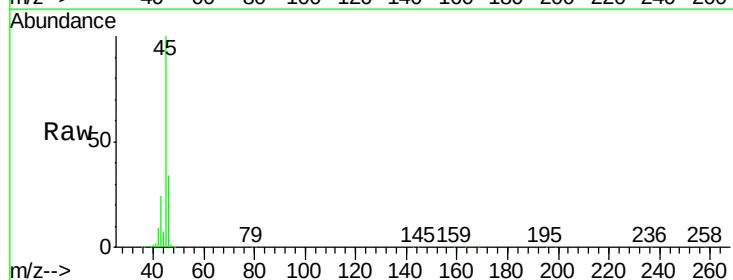
Acq: 28 Feb 2020 4:34

Tgt Ion: 45 Resp: 511588

Ion Ratio Lower Upper

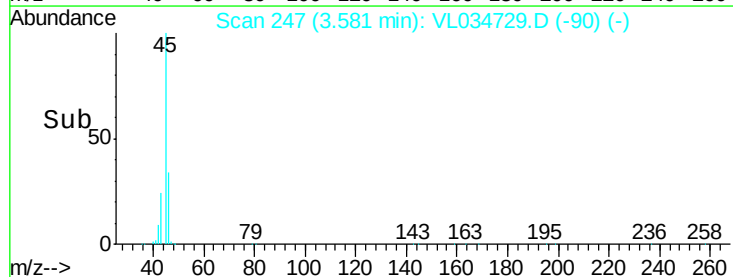
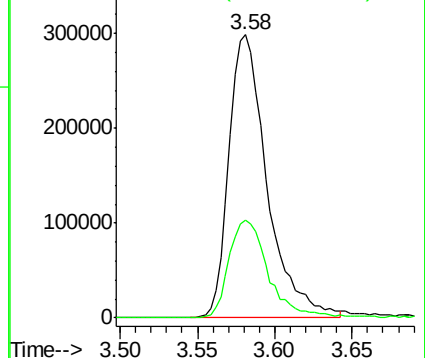
45 100

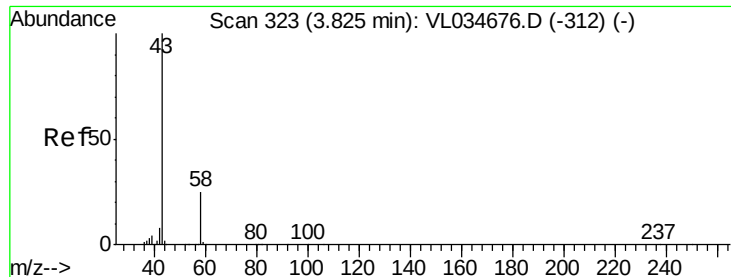
46 35.9 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 3.433 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034729.D

Acq: 28 Feb 2020 4:34

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORKDL

Tot Ion: 43 Resp: 435014

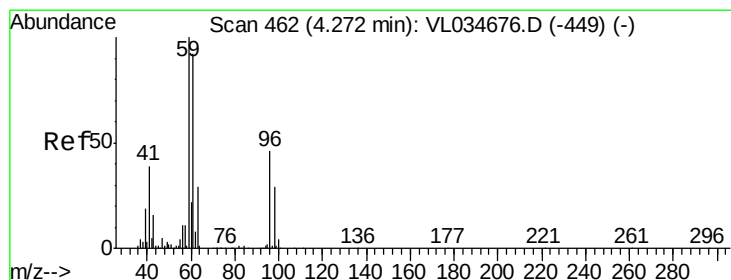
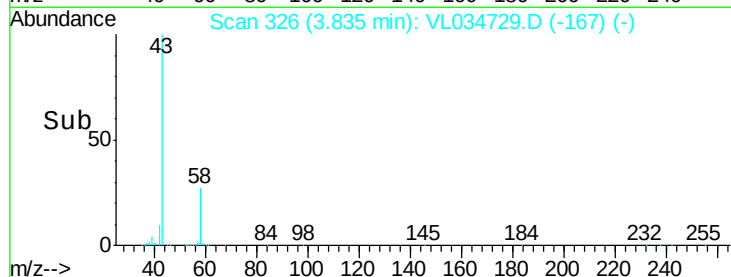
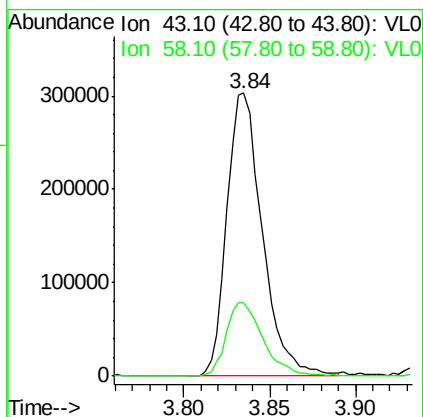
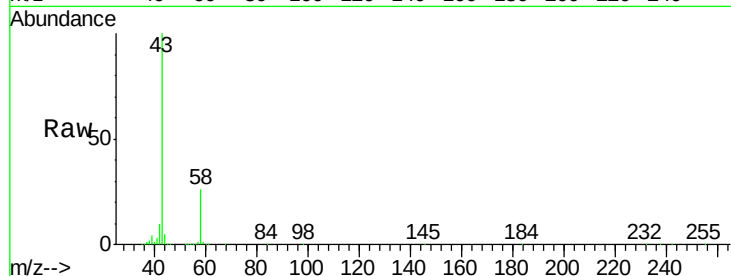
Ion Ratio Lower Upper

43 100

58 27.2 21.4 32.0

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#17

tert-Butyl alcohol

Concen: 1.061 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.02 min

Lab File: VL034729.D

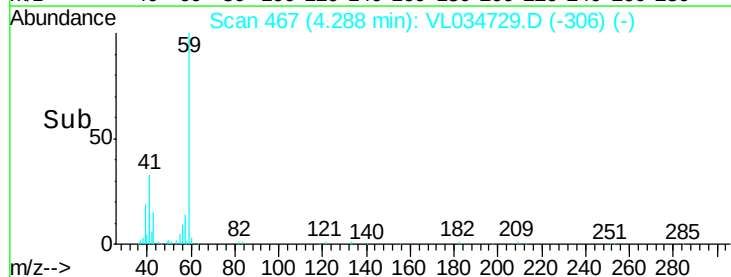
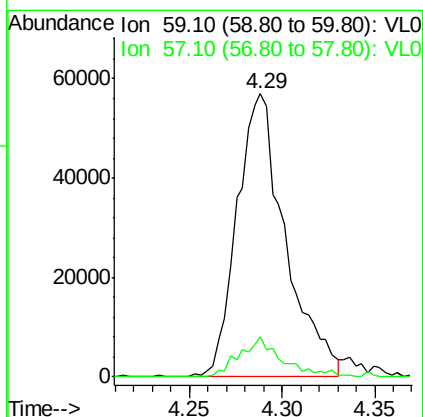
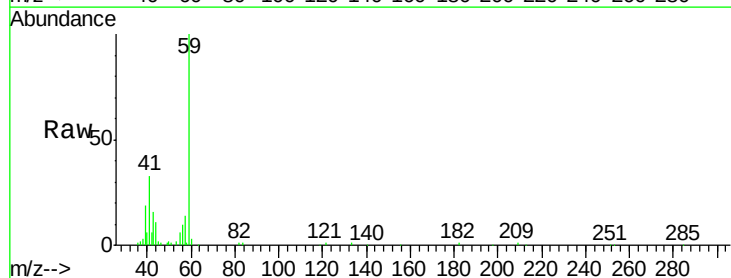
Acq: 28 Feb 2020 4:34

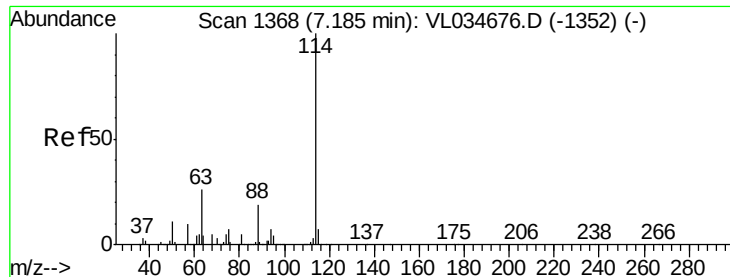
Tgt Ion: 59 Resp: 103073

Ion Ratio Lower Upper

59 100

57 12.4 8.8 13.2





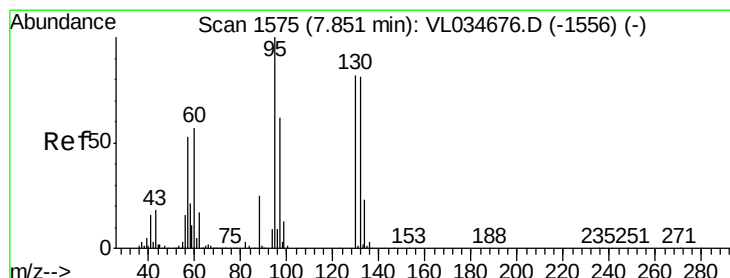
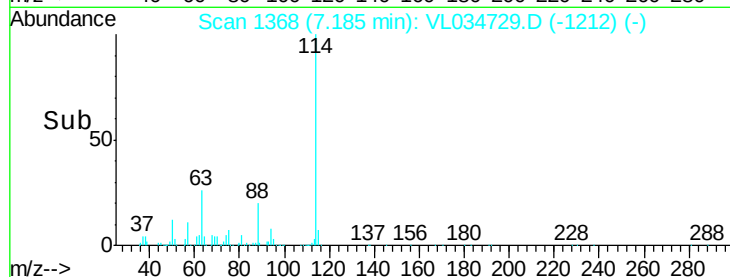
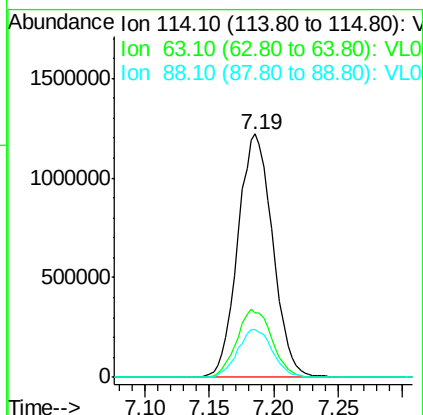
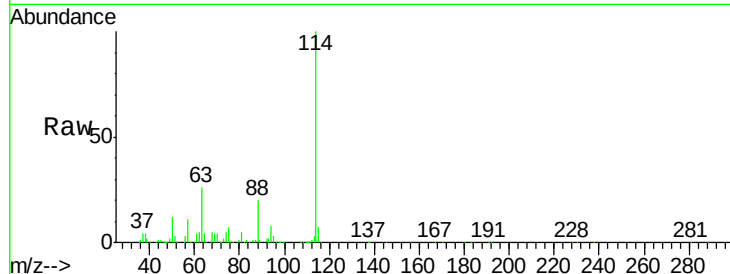
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL034729.D
 Acq: 28 Feb 2020 4:34

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.9	34.3
88	19.7	15.8	23.6

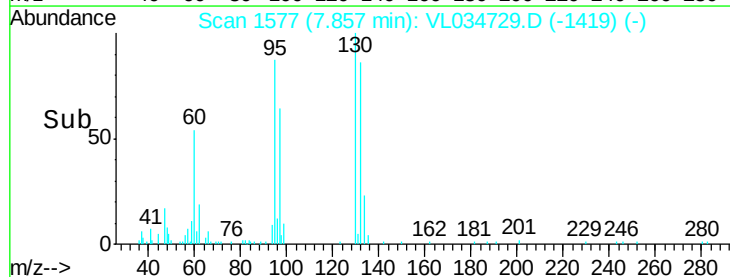
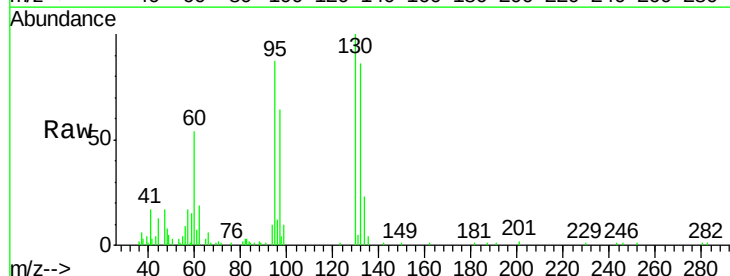
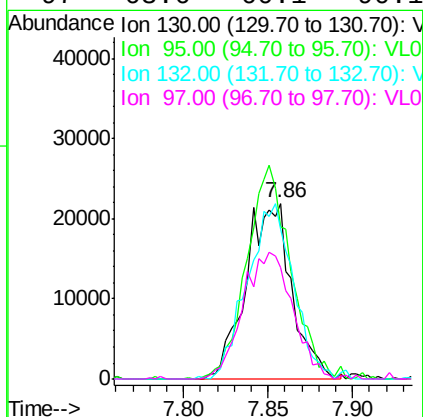
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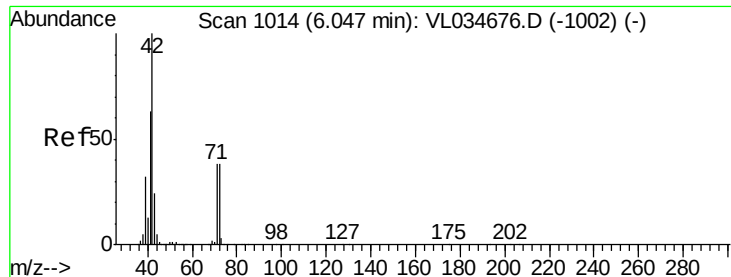
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#38
 Trichloroethene
 Concen: 0.539 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL034729.D
 Acq: 28 Feb 2020 4:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.6	97.1	145.7#
132	85.7	78.3	117.5
97	63.6	60.1	90.1





#41

Tetrahydrofuran

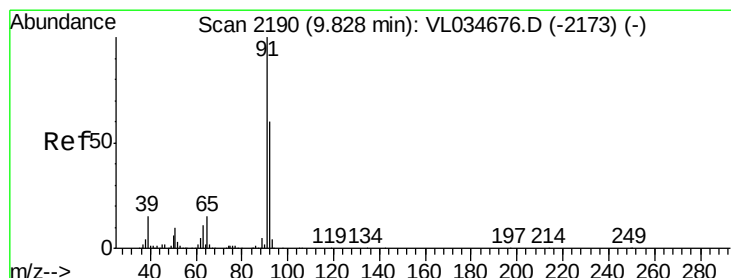
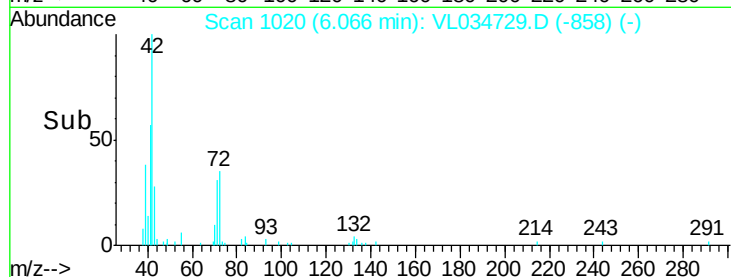
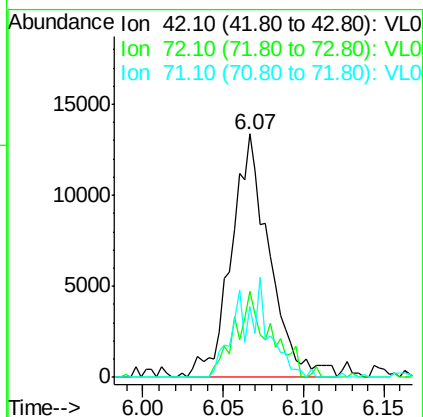
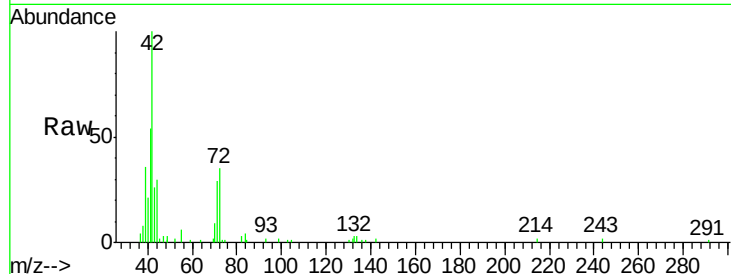
Concen: 0.291 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VL034729.D
Acq: 28 Feb 2020 4:34

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	0.0	30.7	46.1#

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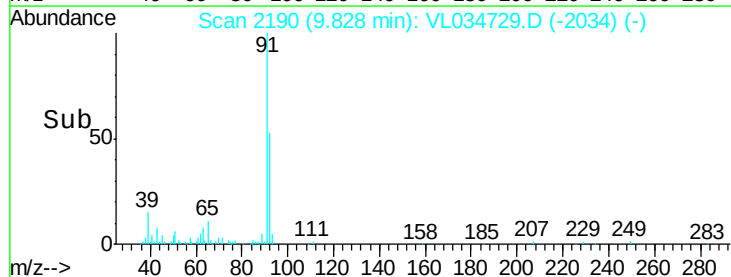
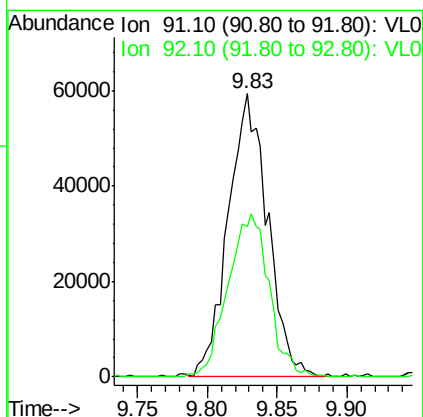
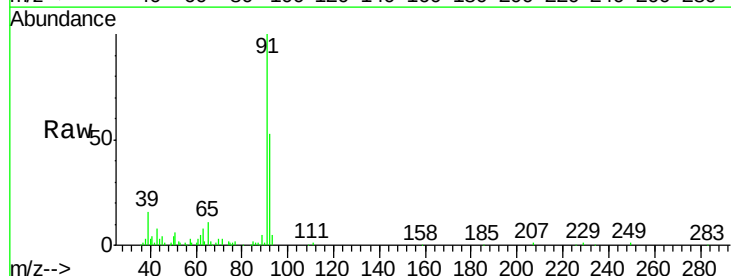


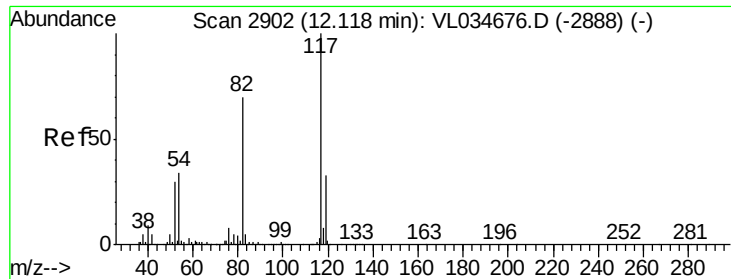
#53

Toluene

Concen: 0.552 ppbv m
RT: 9.83 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL034729.D
Acq: 28 Feb 2020 4:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.5	72.7





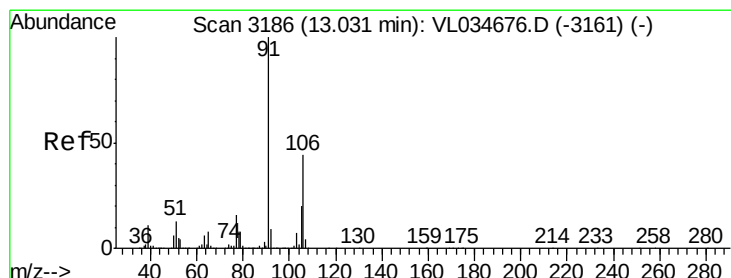
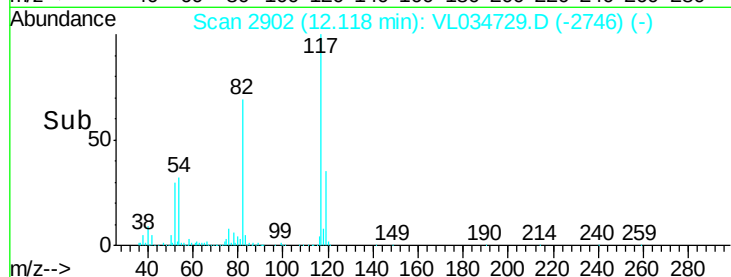
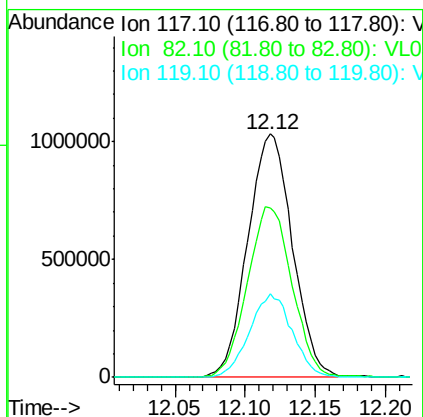
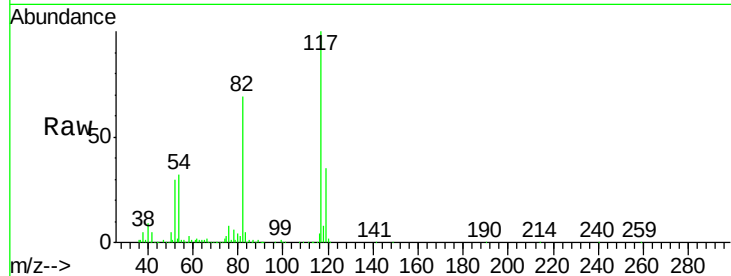
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034729.D
Acq: 28 Feb 2020 4:34

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.8	54.1	81.1
119	33.1	27.6	41.4

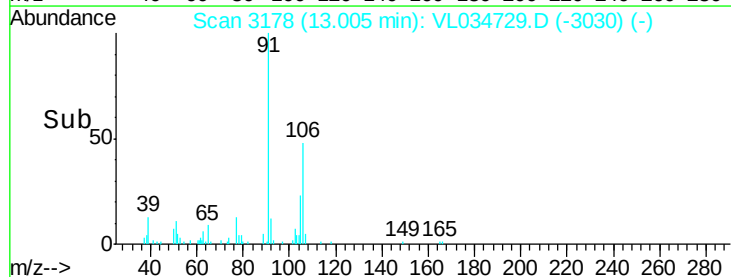
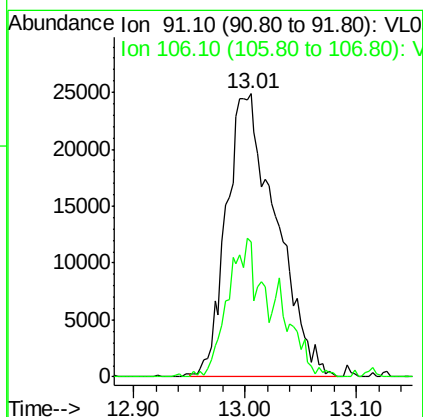
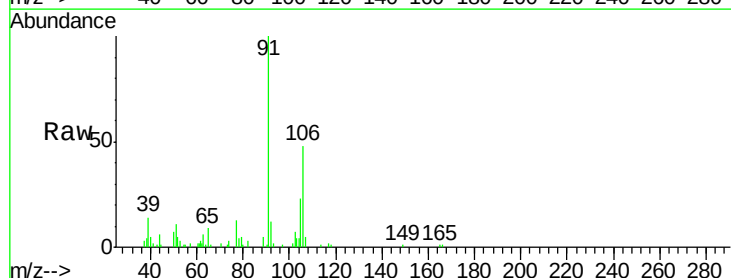
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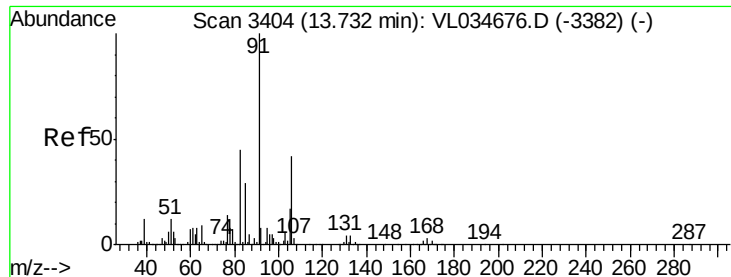
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#59
m/p-Xylene
Concen: 0.319 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL034729.D
Acq: 28 Feb 2020 4:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#





#60

o-Xylene

Concen: 0.129 ppbv m

RT: 13.73 min Scan# 3402

Delta R.T. -0.01 min

Lab File: VL034729.D

Acq: 28 Feb 2020 4:34

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHER-WORKDL

Tot Ion: 91 Resp: 30859

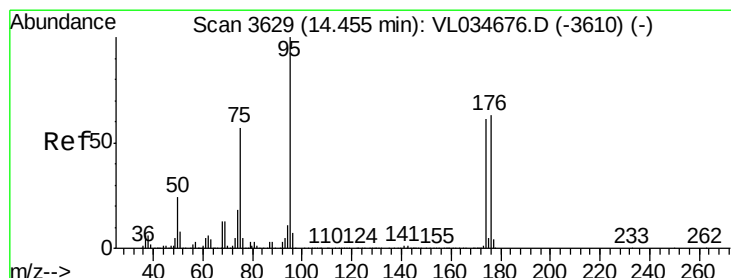
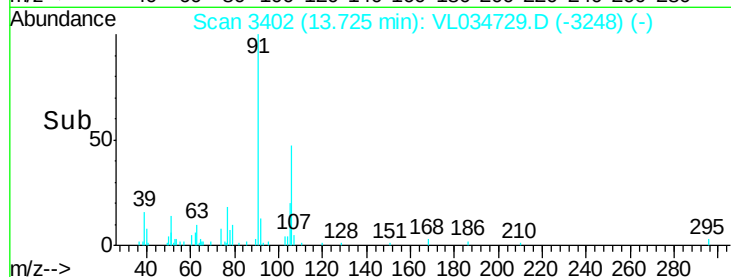
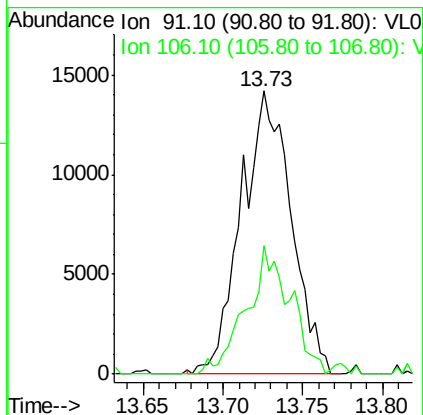
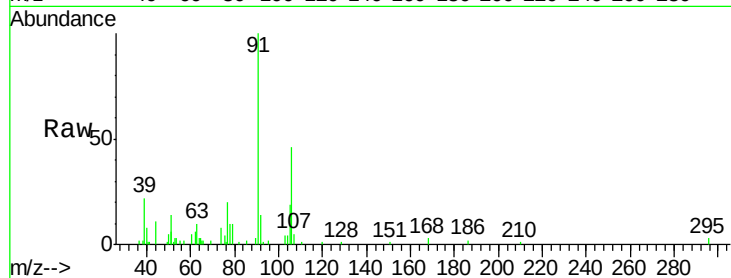
Ion Ratio Lower Upper

91 100

106 0.0 21.9 65.5#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.189 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VL034729.D

Acq: 28 Feb 2020 4:34

Tgt Ion: 95 Resp: 1907687

Ion Ratio Lower Upper

95 100

174 64.7 50.7 76.1

175 5.0 3.9 5.9

