

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033520.D
 Acq On : 30 Mar 2019 2:55
 Operator : SY/AP
 Sample : K2042-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-TEACHERS-ROOMDL

Manual Integrations
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 4/1/2019 4:03:28 AM

Quant Time: Mar 30 04:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	826270	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1881451	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1785353	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1352276	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	6979	0.175	ppbv	86
13) Ethanol	3.65	45	345351	33.408	ppbv	63
15) Acetone	3.90	43	105726	1.064	ppbv	98
19) Isopropyl Alcohol	4.04	45	46096m	0.734	ppbv	
20) Methylene Chloride	4.41	84	21929	0.520	ppbv	95
26) Hexane	5.78	57	26960	0.329	ppbv #	43
29) Chloroform	5.84	83	16623m	0.118	ppbv	
38) Trichloroethene	7.96	130	57749m	0.972	ppbv	
53) Toluene	9.95	91	40575m	0.221	ppbv	

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

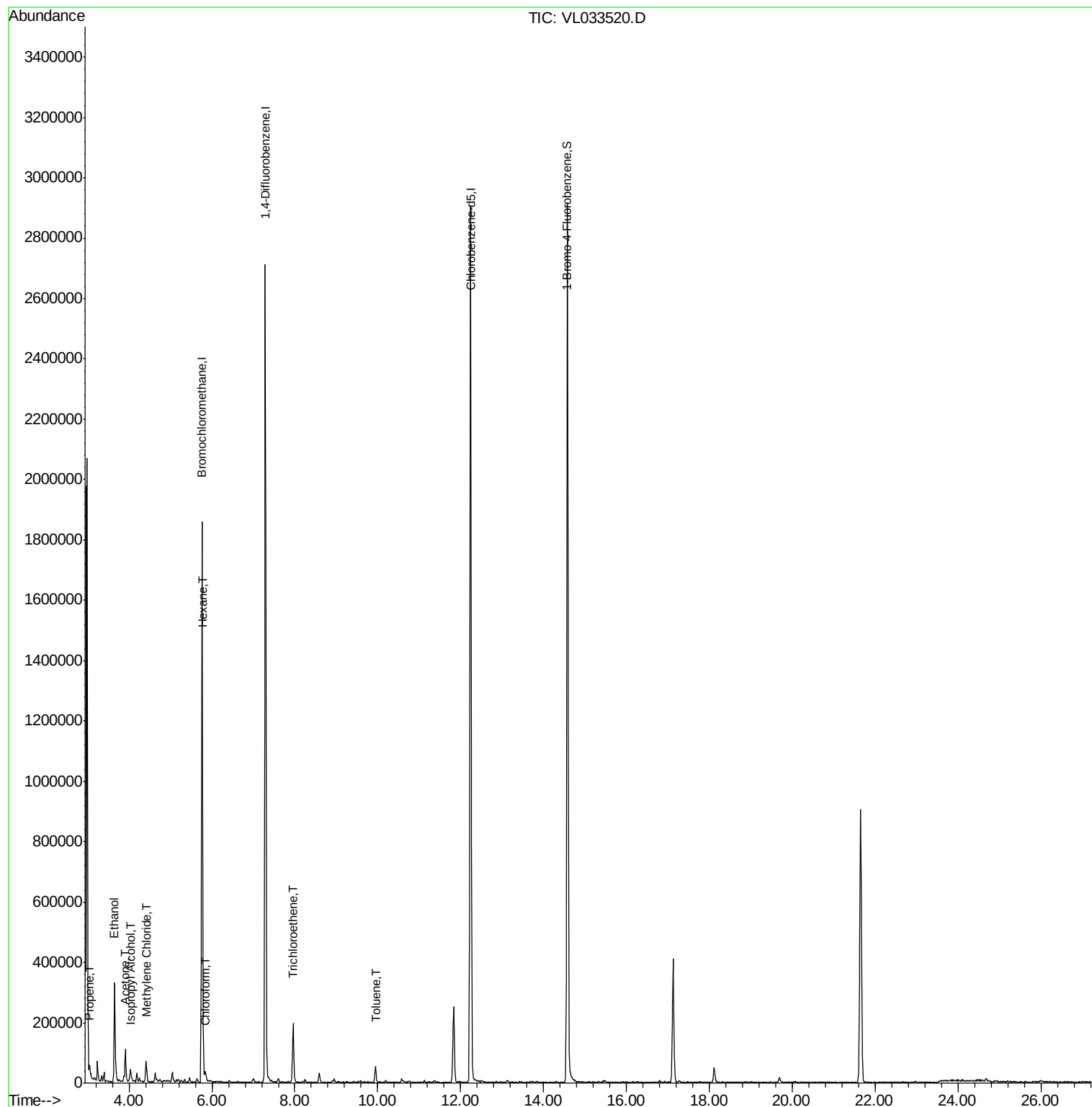
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
Data File : VL033520.D
Acq On : 30 Mar 2019 2:55
Operator : SY/AP
Sample : K2042-06DL 10X
Misc : 400ml/MSVOA L
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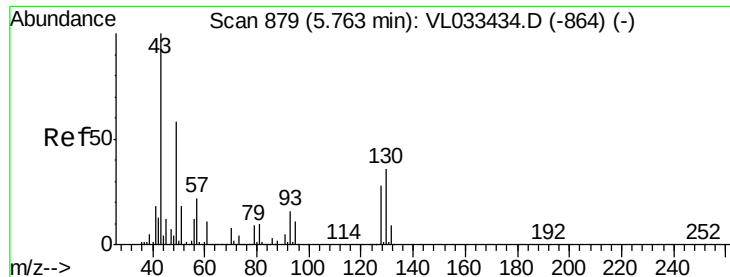
Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHERS-ROOMDL

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4/1/2019 4:03:28 AM

Quant Time: Mar 30 04:05:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033520.D

Acq: 30 Mar 2019 2:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHERS-ROOMDL

Tot Ion: 49 Resp: 826270

Ion Ratio Lower Upper

49 100

128 49.2 24.0 72.0

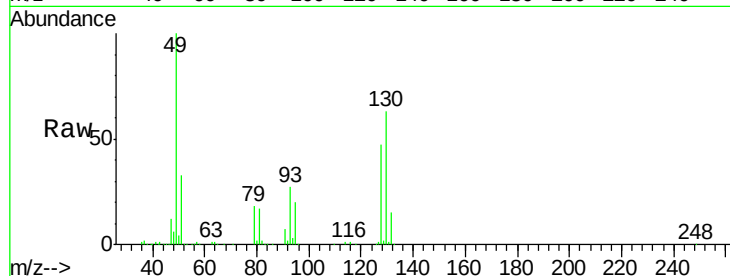
130 63.9 31.2 93.6

Manual Integrations

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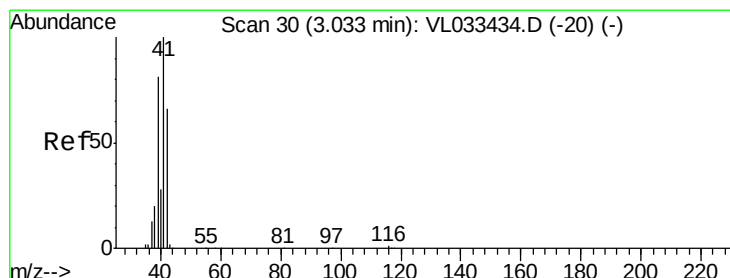
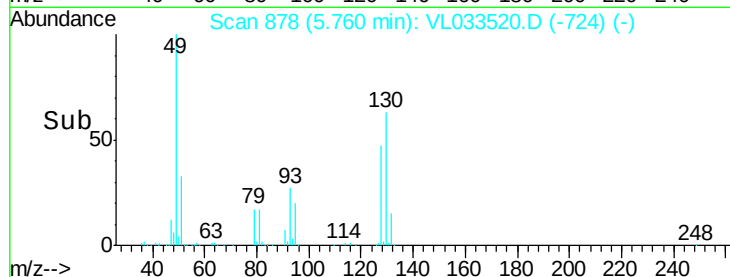
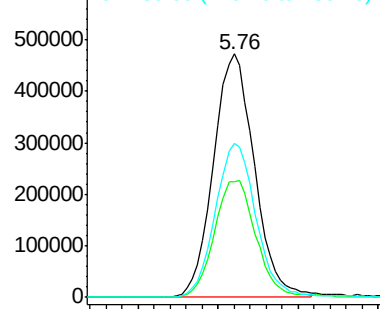
4/1/2019 4:03:28 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.175 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.02 min

Lab File: VL033520.D

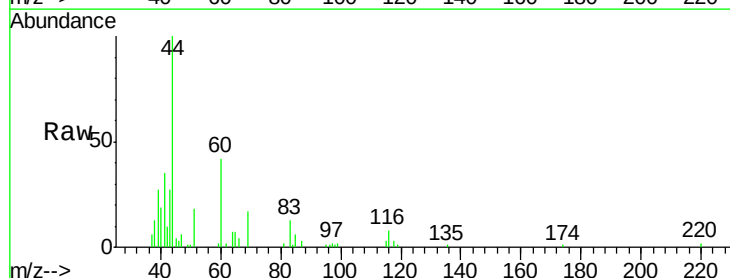
Acq: 30 Mar 2019 2:55

Tgt Ion: 41 Resp: 6979

Ion Ratio Lower Upper

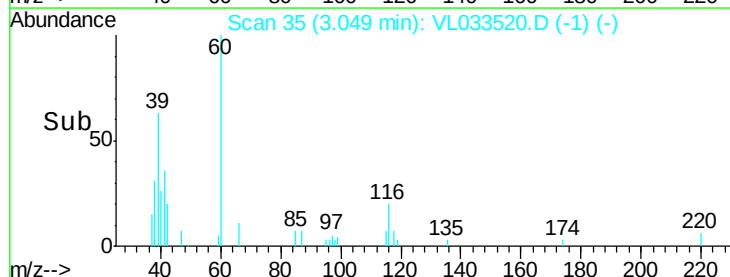
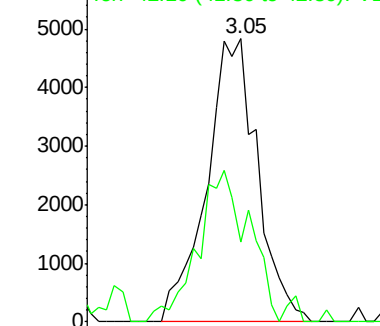
41 100

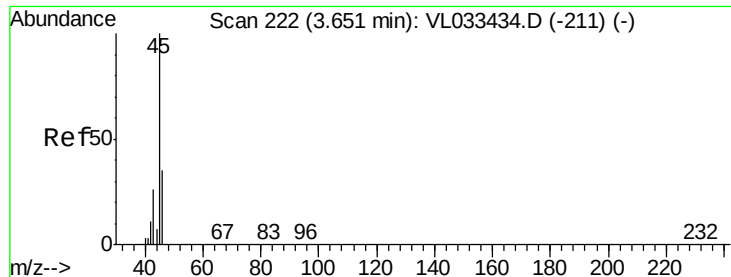
42 56.0 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 33.408 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033520.D

Acq: 30 Mar 2019 2:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHERS-ROOMDL

Tot Ion: 45 Resp: 345351

Ion Ratio Lower Upper

45 100

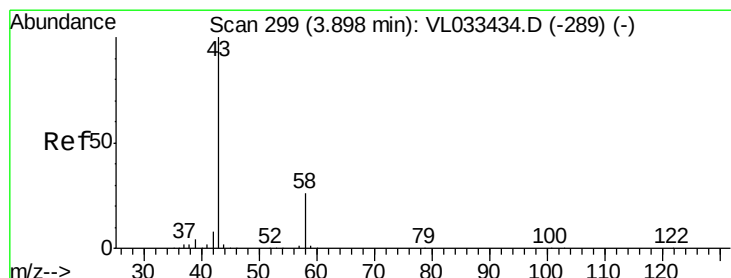
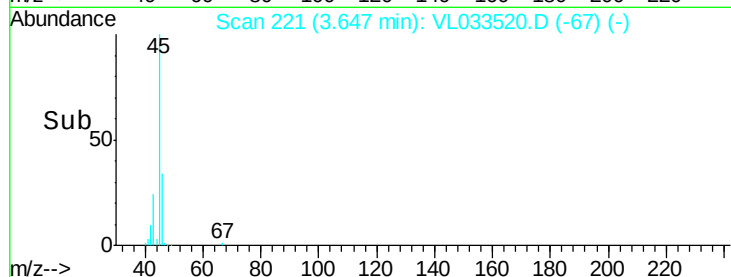
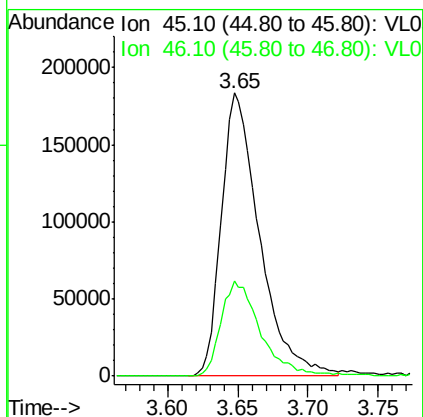
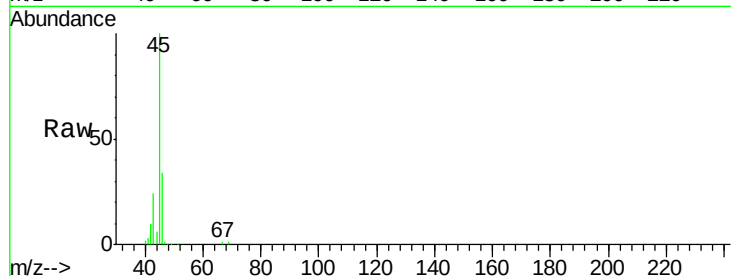
46 35.1 25.4 101.8

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#15

Acetone

Concen: 1.064 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033520.D

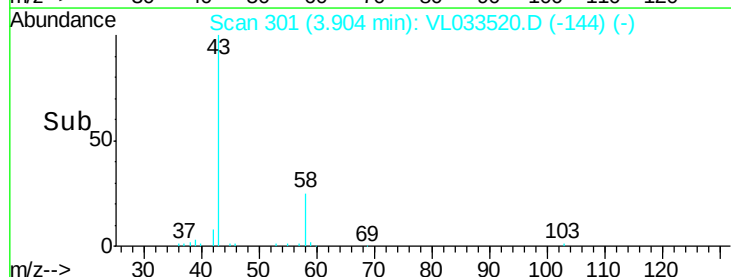
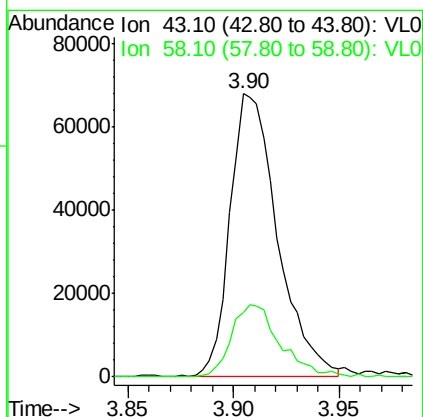
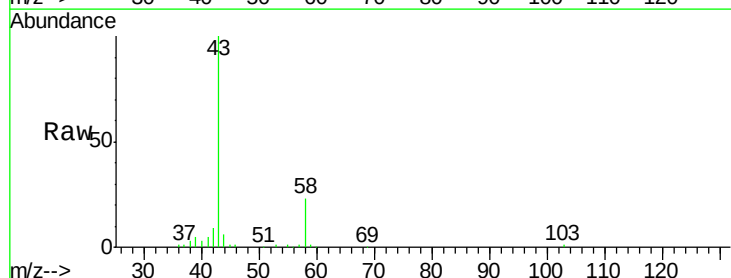
Acq: 30 Mar 2019 2:55

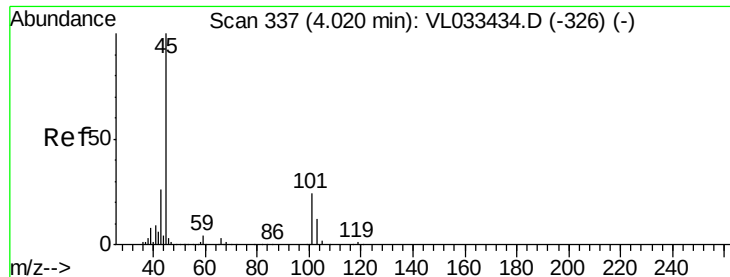
Tgt Ion: 43 Resp: 105726

Ion Ratio Lower Upper

43 100

58 26.5 20.5 30.7





#19

Isopropyl Alcohol

Concen: 0.734 ppbv m

RT: 4.04 min Scan# 342

Delta R.T. 0.02 min

Lab File: VL033520.D

Acq: 30 Mar 2019 2:55

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHERS-ROOMDL

Tot Ion: 45 Resp: 46096

Ion Ratio Lower Upper

45 100

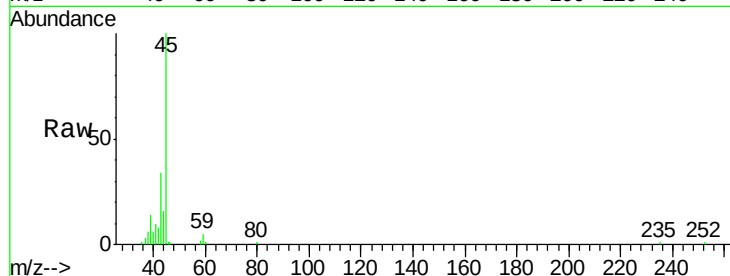
58 4.7 1.4 2.2#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

25000

20000

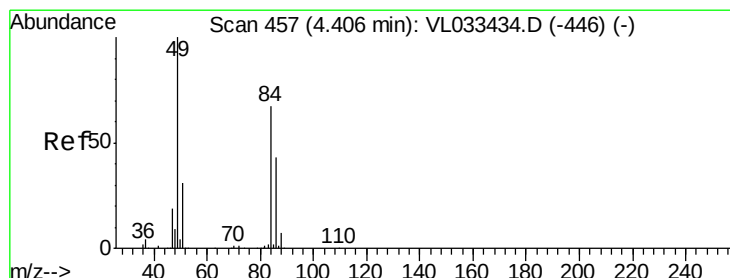
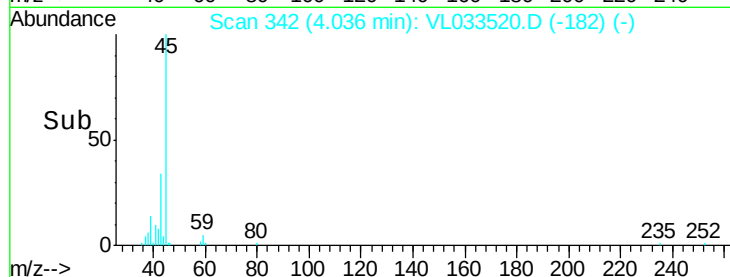
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 0.520 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033520.D

Acq: 30 Mar 2019 2:55

Tgt Ion: 84 Resp: 21929

Ion Ratio Lower Upper

84 100

49 149.7 120.0 180.0

51 39.4 36.7 55.1

86 54.2 51.9 77.9

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

30000

25000

20000

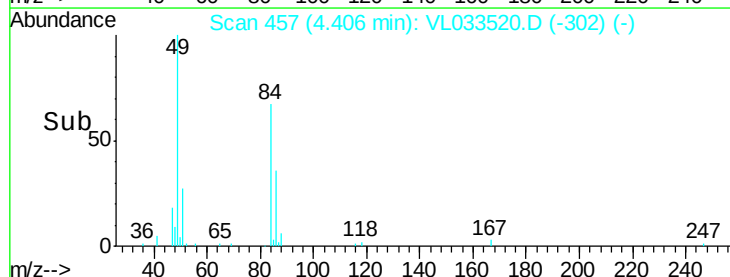
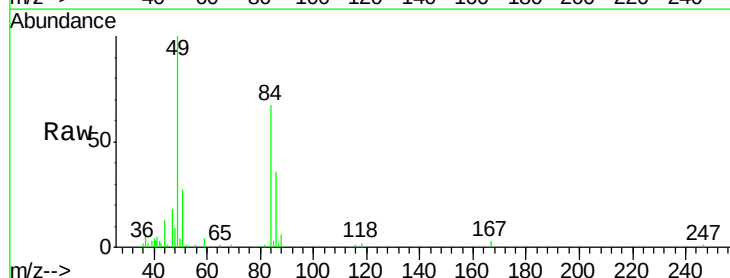
15000

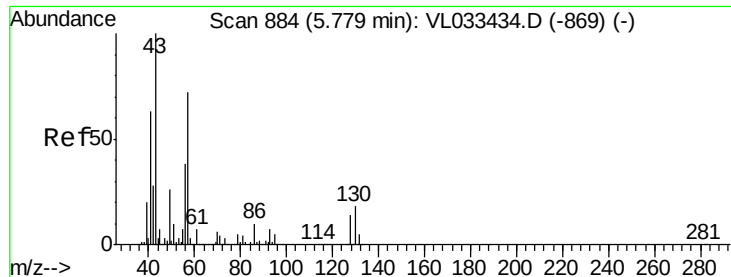
10000

5000

0

Time-->





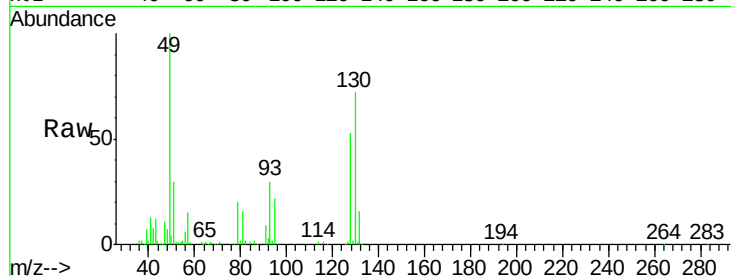
#26
Hexane
Concen: 0.329 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033520.D
Acq: 30 Mar 2019 2:55

Instrument :
MSVOA_L
ClientSampleId :
SG-5-TEACHERS-ROOMDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	97.1	70.7	106.1
43	87.8	182.6	274.0#
56	61.1	42.0	63.0

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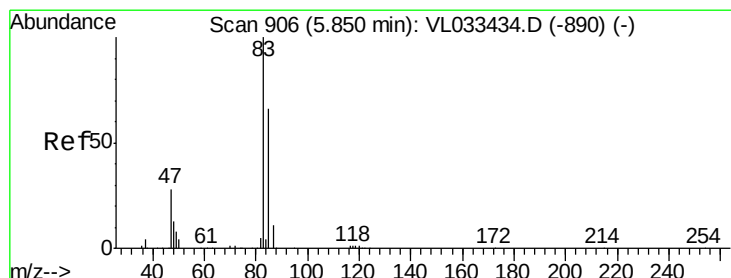
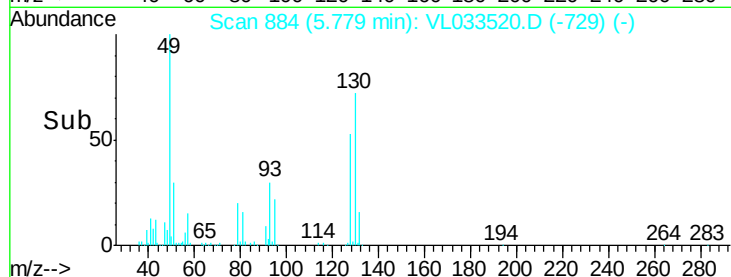
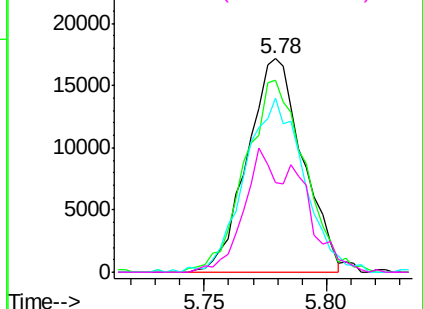
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

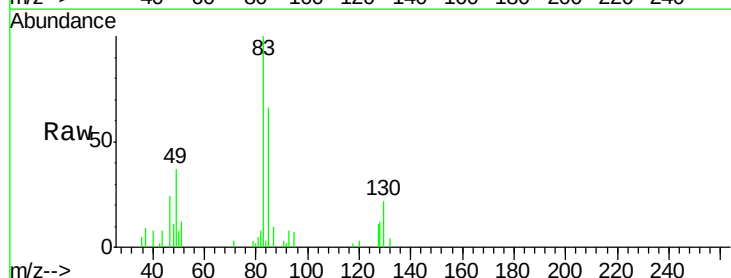
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29
Chloroform
Concen: 0.118 ppbv m
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033520.D
Acq: 30 Mar 2019 2:55

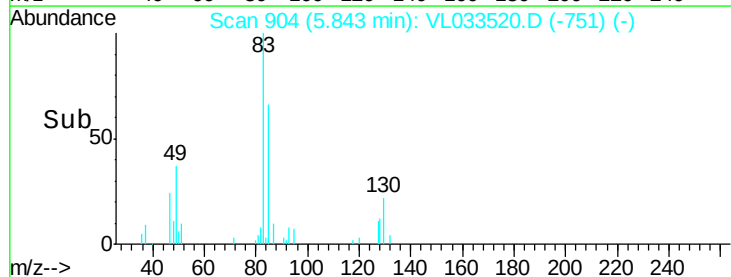
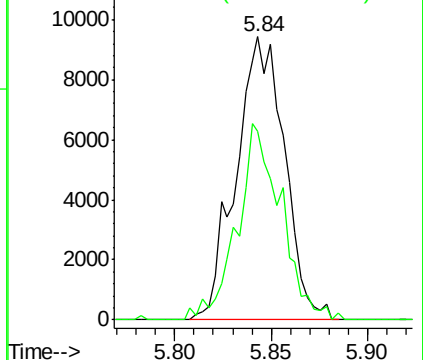
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.6	79.0

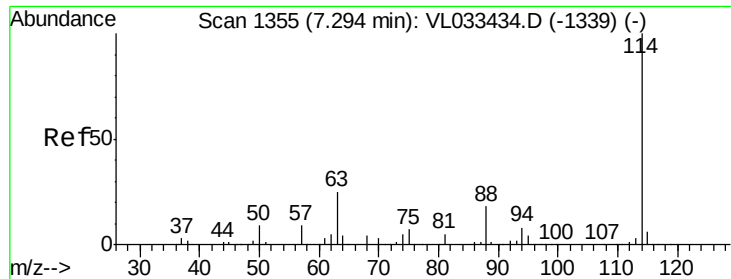


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





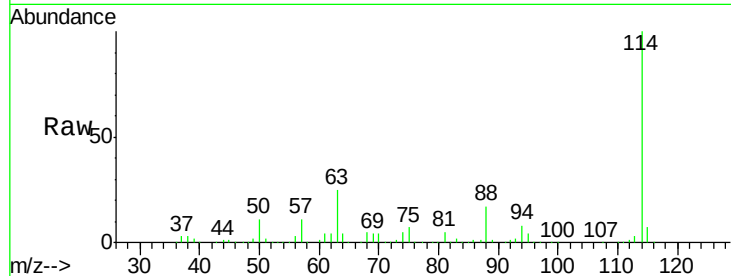
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033520.D
 Acq: 30 Mar 2019 2:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-TEACHERS-ROOMDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.5	32.3
88	18.2	14.5	21.7

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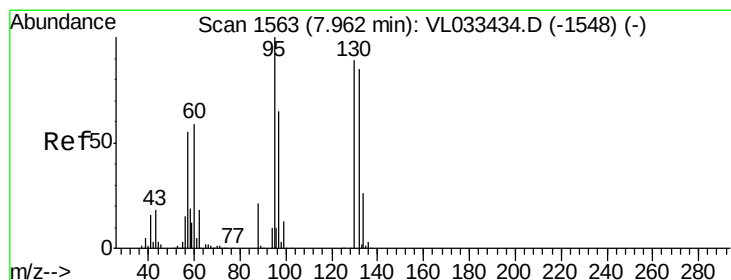
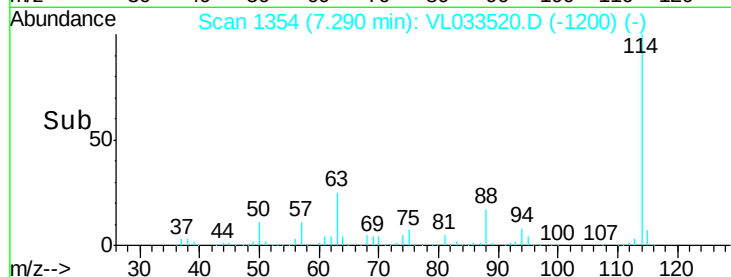
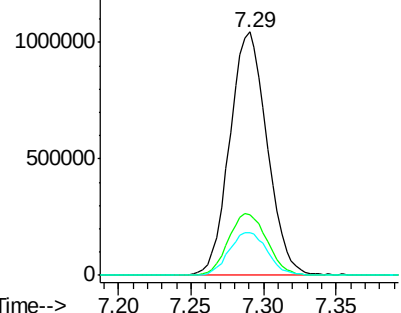
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38
 Trichloroethene
 Concen: 0.972 ppbv m
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033520.D
 Acq: 30 Mar 2019 2:55

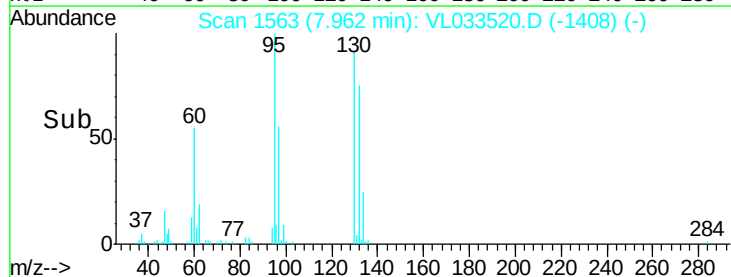
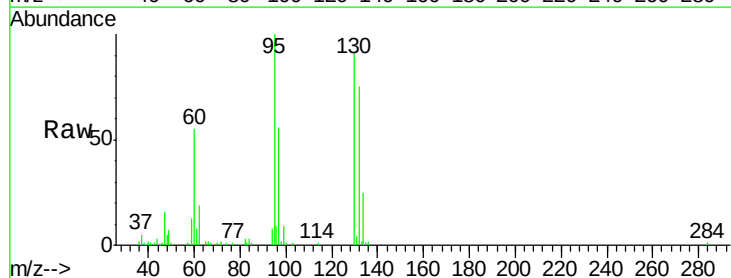
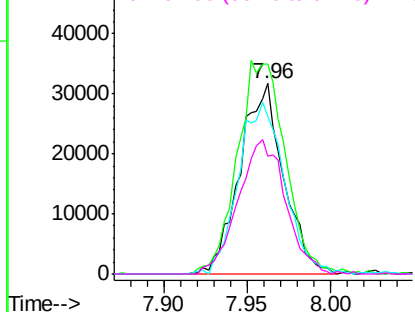
Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.2	89.8	134.8
132	82.3	76.6	115.0
97	61.5	58.6	88.0

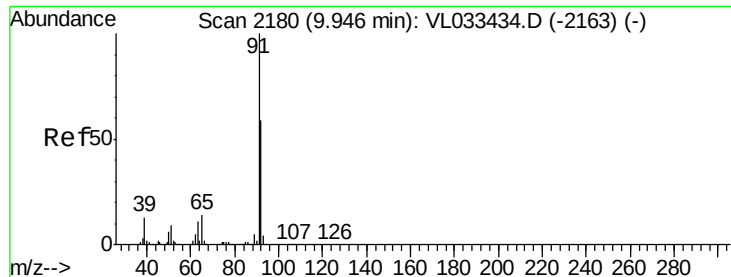
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#53

Toluene

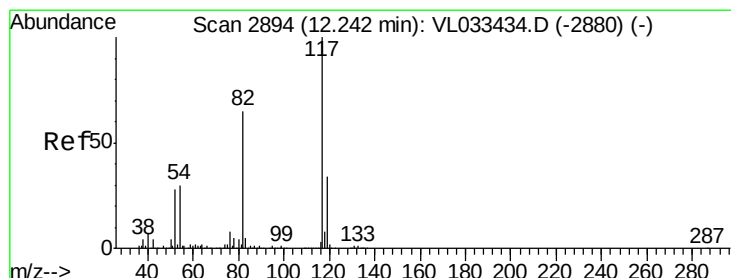
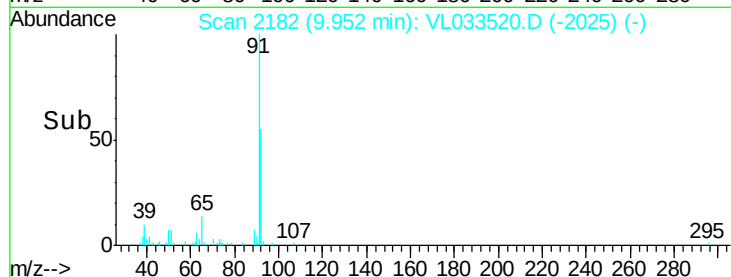
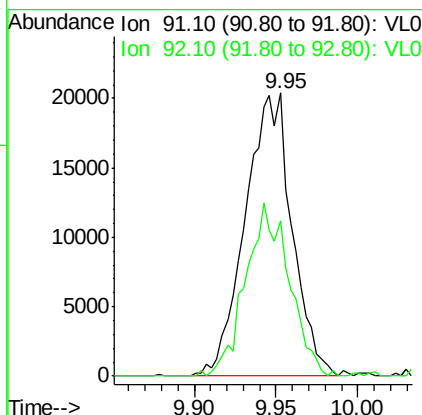
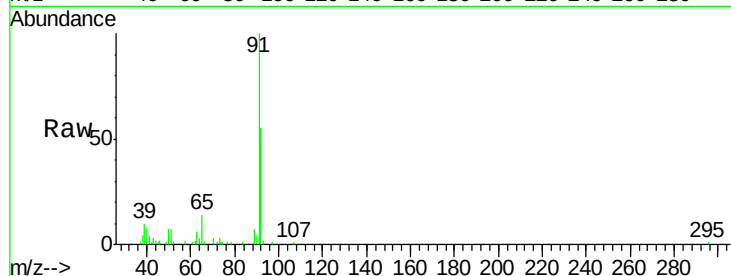
Concen: 0.221 ppbv m
 RT: 9.95 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: VL033520.D
 Acq: 30 Mar 2019 2:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-TEACHERS-ROOMDL

Tot Ion: 91 Resp: 40575
 Ion Ratio Lower Upper
 91 100
 92 56.8 47.4 71.0

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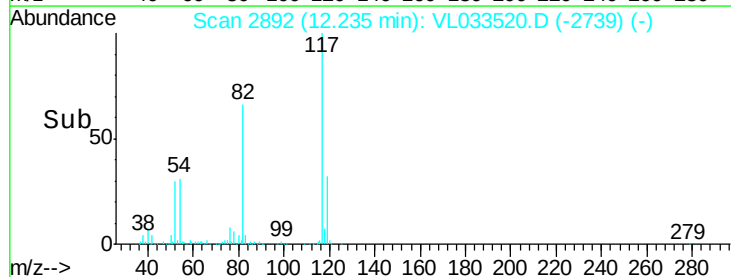
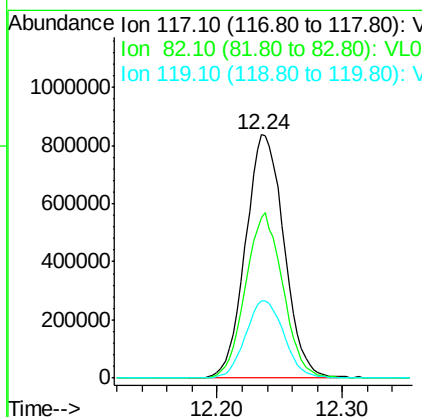
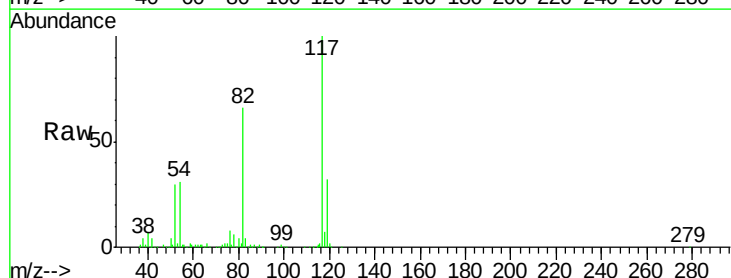


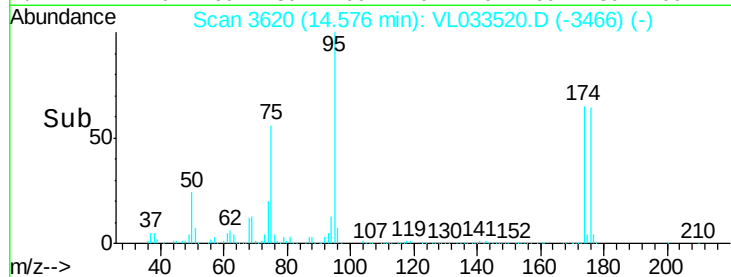
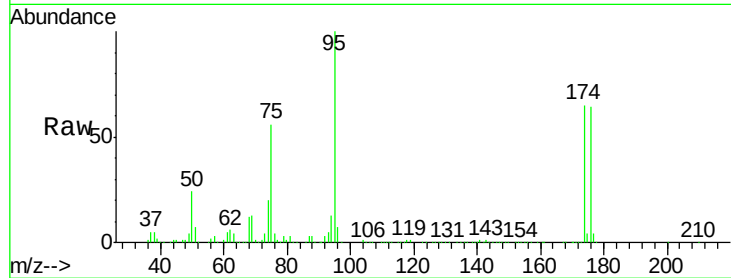
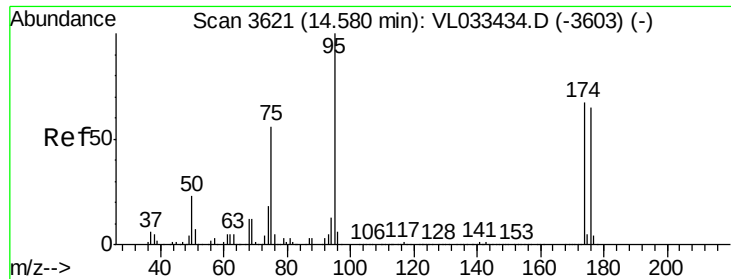
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033520.D
 Acq: 30 Mar 2019 2:55

Tgt Ion: 117 Resp: 1785353
 Ion Ratio Lower Upper
 117 100
 82 66.6 51.5 77.3
 119 32.0 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.661 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033520.D

Acq: 30 Mar 2019 2:55

Tot Ion: 95 Resp: 1352276

Ion Ratio Lower Upper

95 100

174 67.4 52.9 79.3

175 4.7 3.8 5.6

Instrument :

MSVOA_L

ClientSampleId :

SG-5-TEACHERS-ROOMDL

Manual Integrations

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