

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033474.D
 Acq On : 27 Mar 2019 18:45
 Operator : SY/AP
 Sample : K2042-11DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-9-PRE-K-TEACHERS-RMDL

Manual Integrations
 APPROVED

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 4/1/2019 1:25:52 AM

Quant Time: Mar 31 11:12:15 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	5.75	49	762560	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1769071	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1775702	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1370905	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	86656	9.083	ppbv	67
15) Acetone	3.90	43	118469	1.292	ppbv	98
19) Isopropyl Alcohol	4.03	45	22080m	0.381	ppbv	
20) Methylene Chloride	4.41	84	120438	3.094	ppbv	89
26) Hexane	5.77	57	64026	0.846	ppbv #	40
53) Toluene	9.94	91	120193	0.697	ppbv	99

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

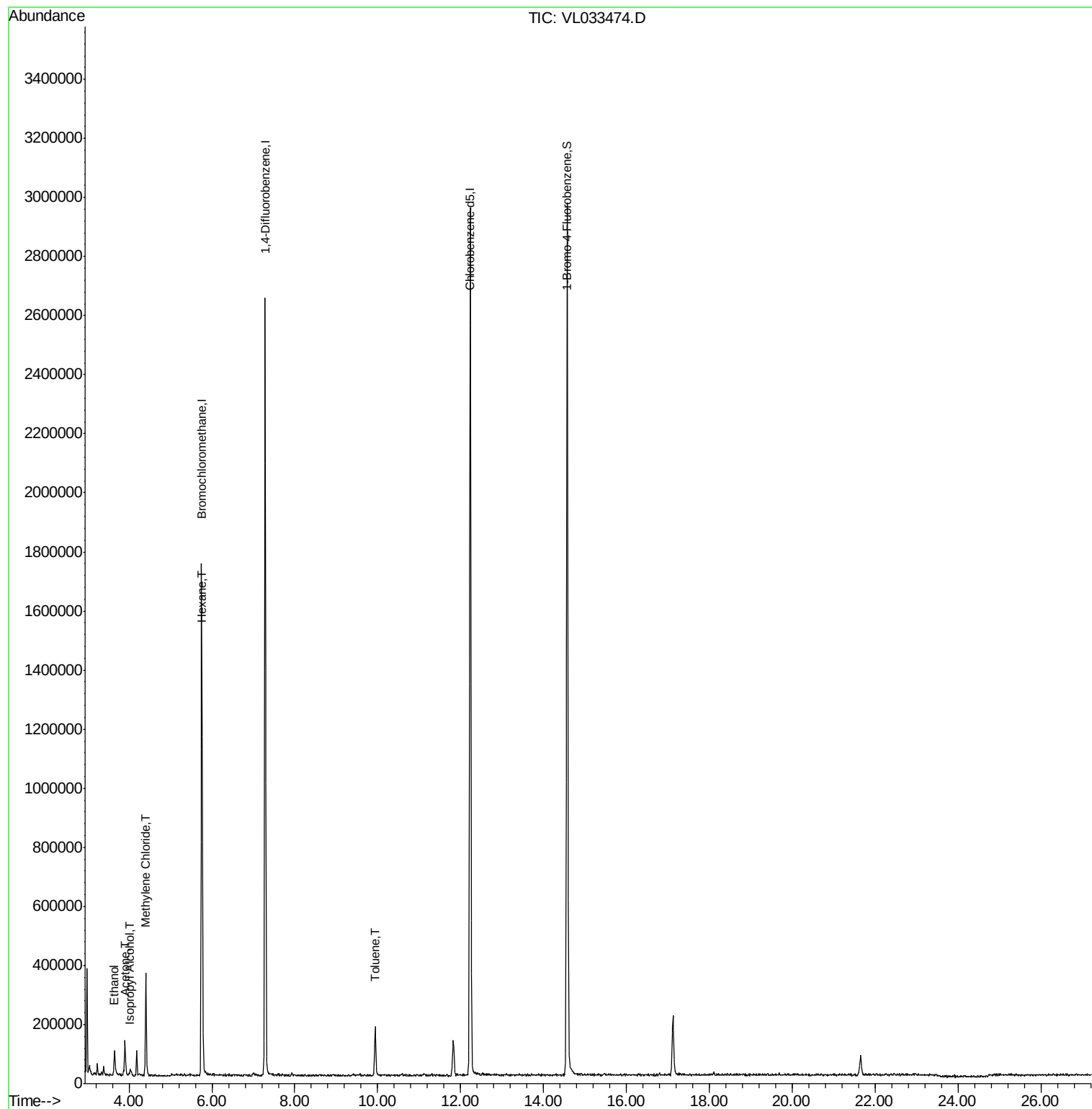
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032719\
Data File : VL033474.D
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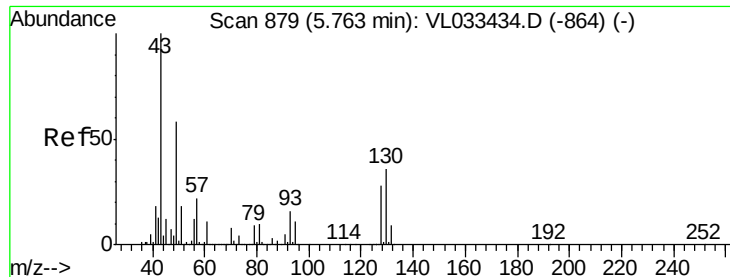
Instrument :
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QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033474.D

Acq: 27 Mar 2019 18:45

Instrument :

MSVOA_L

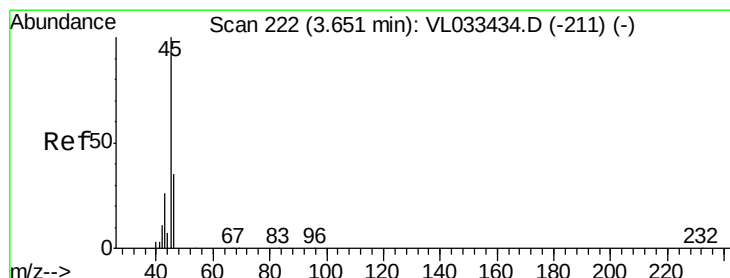
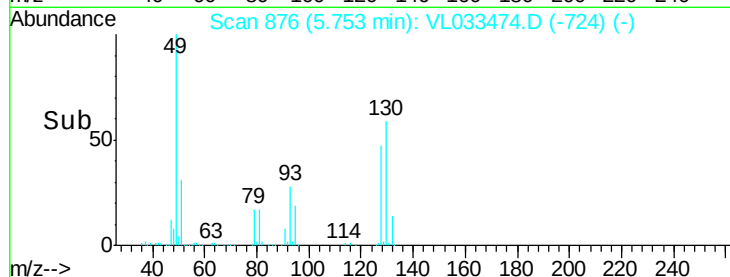
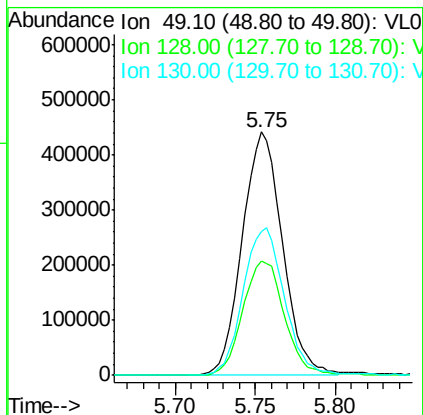
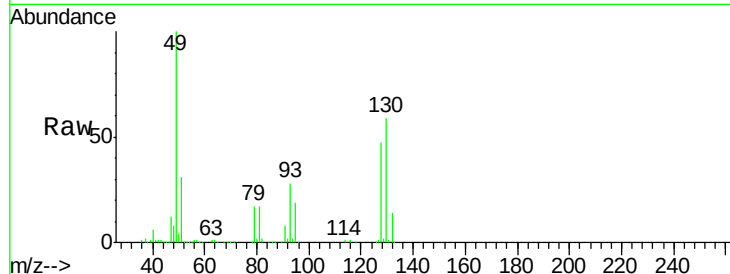
ClientSampleId :

IAS-9-PRE-K-TEACHERS-RMDL

Tot Ion:	49	Resp:	762560
Ion	Ratio	Lower	Upper
49	100		
128	48.6	24.0	72.0
130	62.6	31.2	93.6

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#13

Ethanol

Concen: 9.083 ppbv

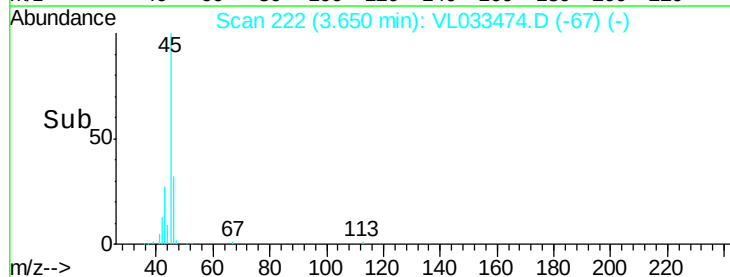
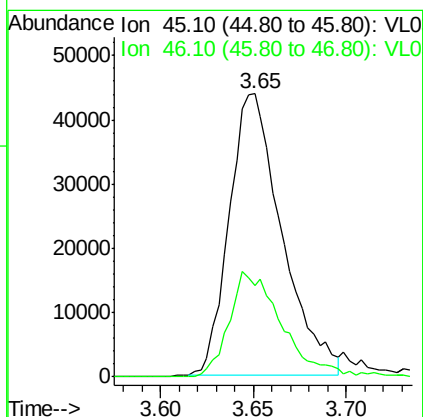
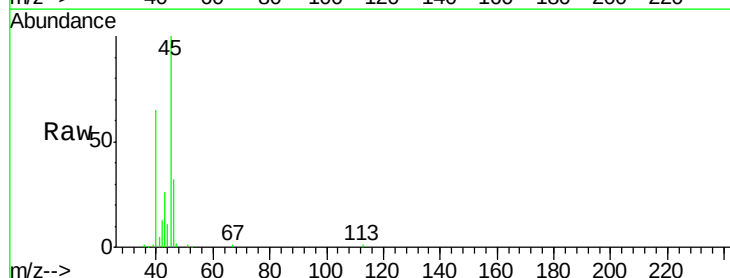
RT: 3.65 min Scan# 222

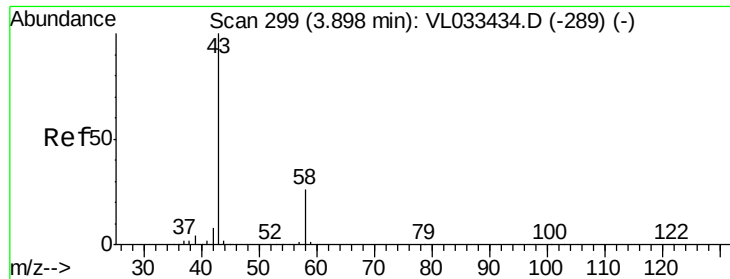
Delta R.T. -0.00 min

Lab File: VL033474.D

Acq: 27 Mar 2019 18:45

Tgt Ion:	45	Resp:	86656
Ion	Ratio	Lower	Upper
45	100		
46	37.6	25.4	101.8





#15

Acetone

Concen: 1.292 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033474.D

Acq: 27 Mar 2019 18:45

Instrument :

MSVOA_L

ClientSampleId :

IAS-9-PRE-K-TEACHERS-RMDL

Tot Ion: 43 Resp: 118469

Ion Ratio Lower Upper

43 100

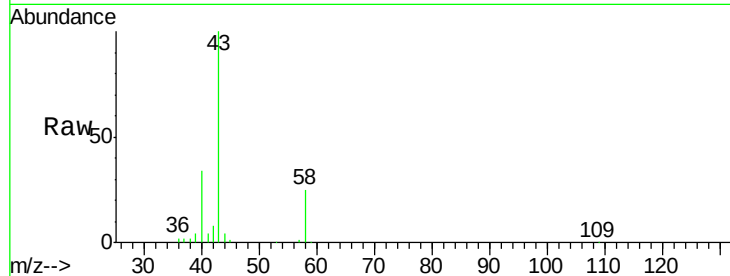
58 26.8 20.5 30.7

Manual Integrations

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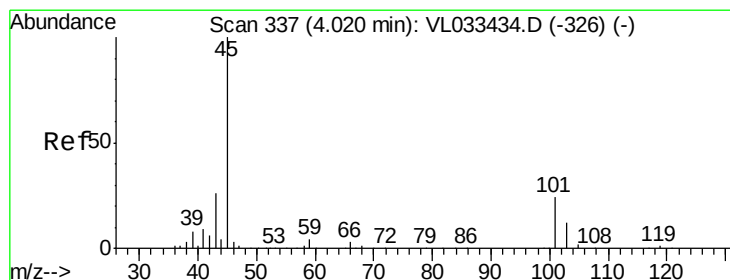
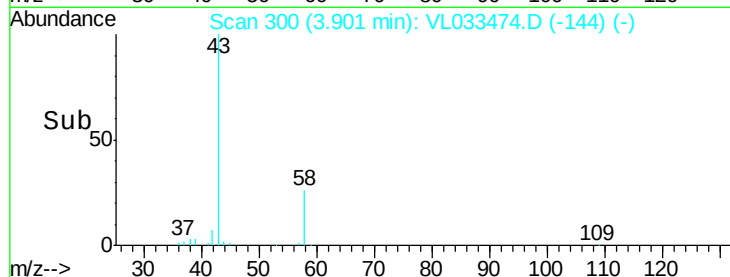
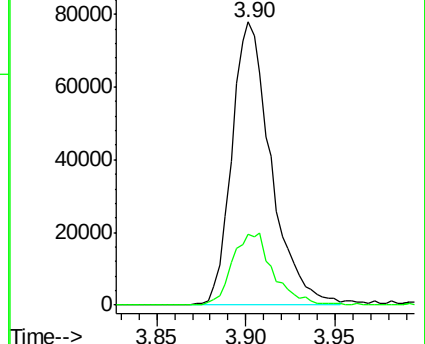
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.381 ppbv m

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033474.D

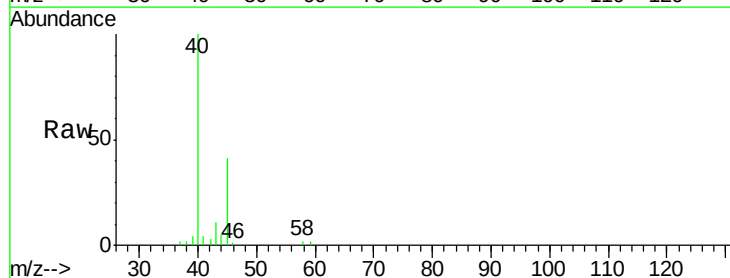
Acq: 27 Mar 2019 18:45

Tgt Ion: 45 Resp: 22080

Ion Ratio Lower Upper

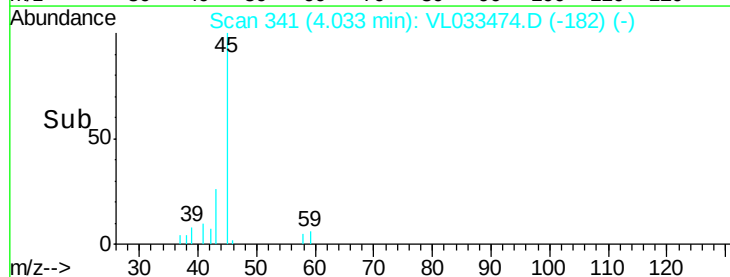
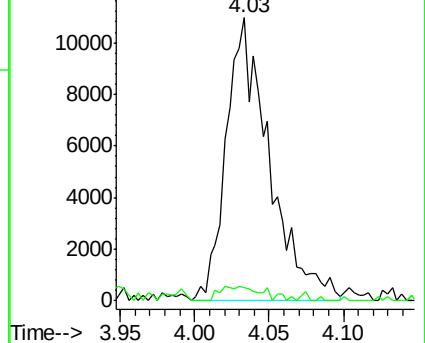
45 100

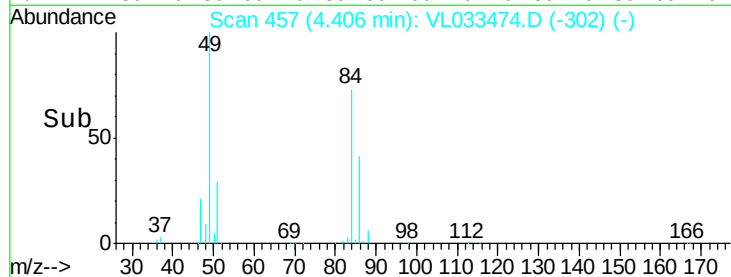
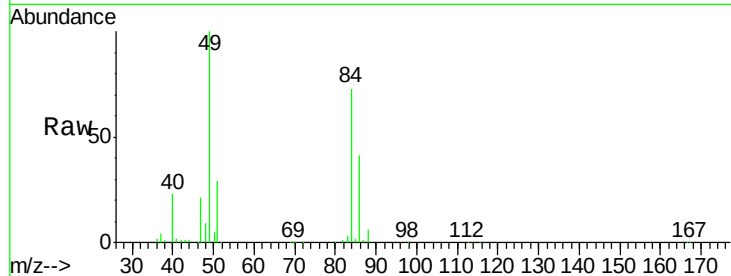
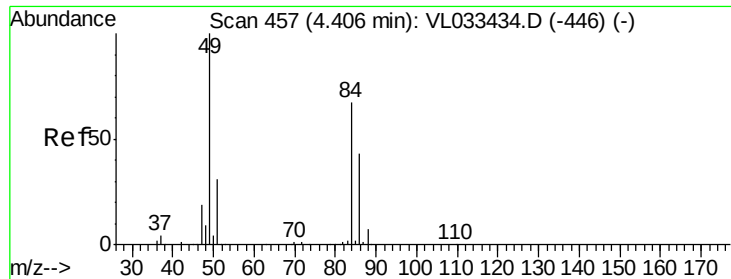
58 6.1 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





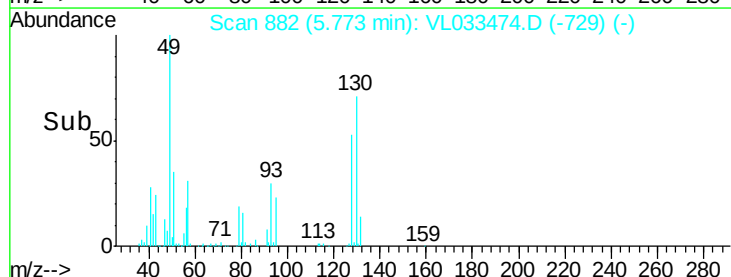
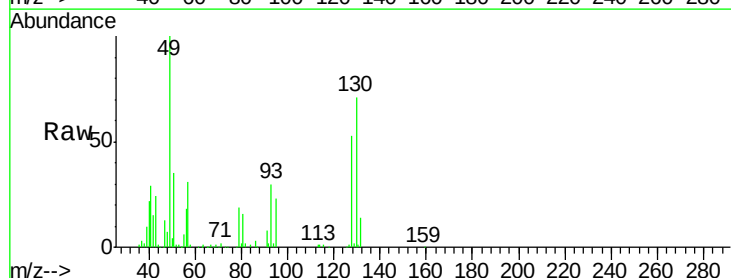
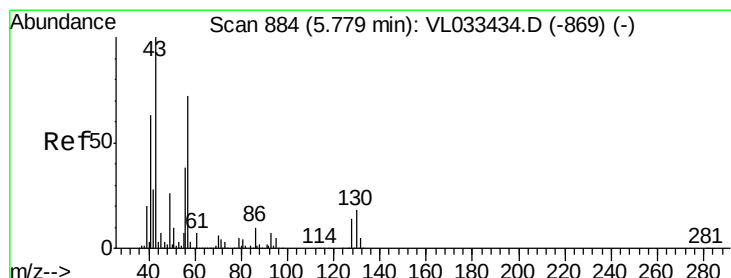
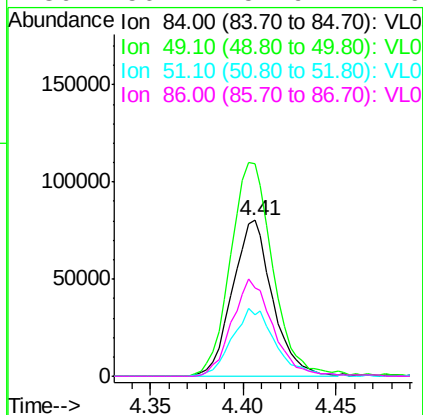
#20
Methvlene Chloride
Concen: 3.094 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	135.9	120.0	180.0		
51	39.9	36.7	55.1		
86	56.1	51.9	77.9		

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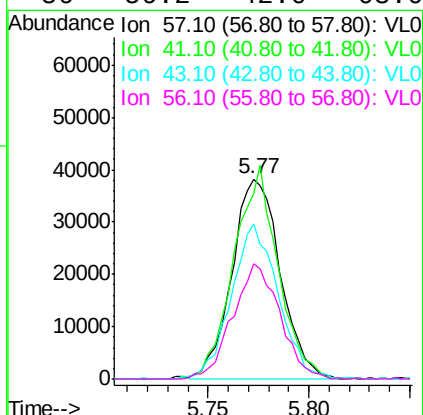
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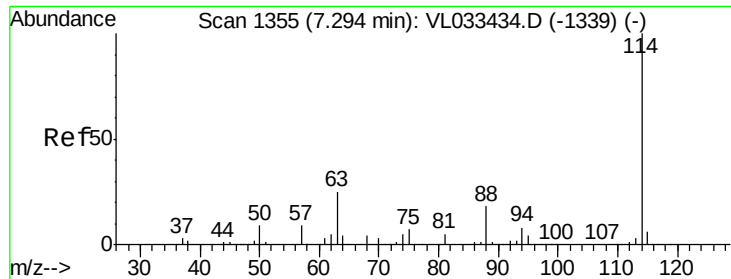
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#26
Hexane
Concen: 0.846 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	97.4	70.7	106.1		
43	75.7	182.6	274.0#		
56	56.2	42.0	63.0		





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033474.D

Acq: 27 Mar 2019 18:45

Instrument :

MSVOA_L

ClientSampleId :

IAS-9-PRE-K-TEACHERS-RMDL

Tot Ion:114 Resp: 1769071

Ion Ratio Lower Upper

114 100

63 26.9 21.5 32.3

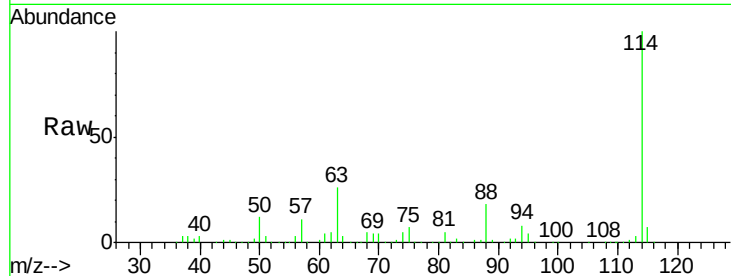
88 18.0 14.5 21.7

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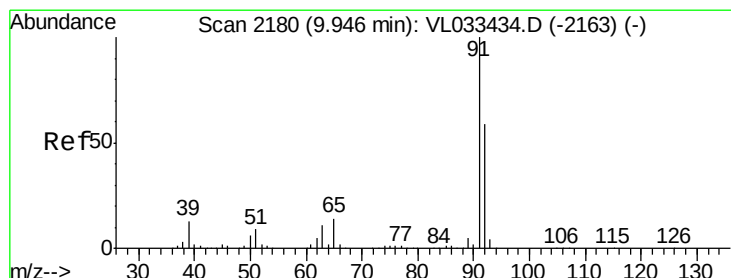
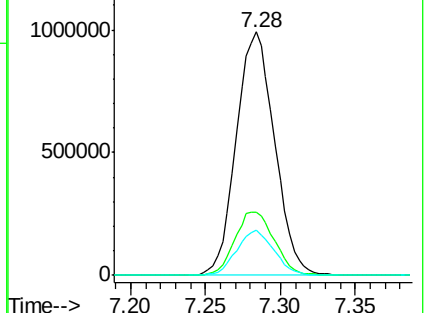
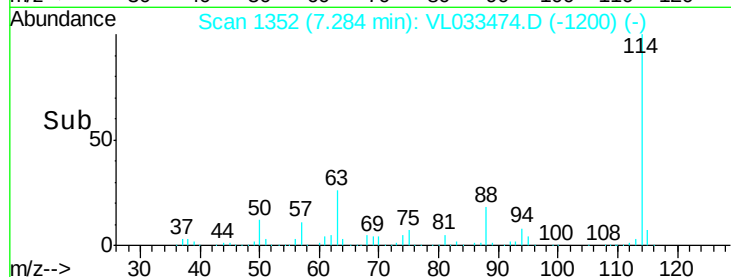
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 0.697 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033474.D

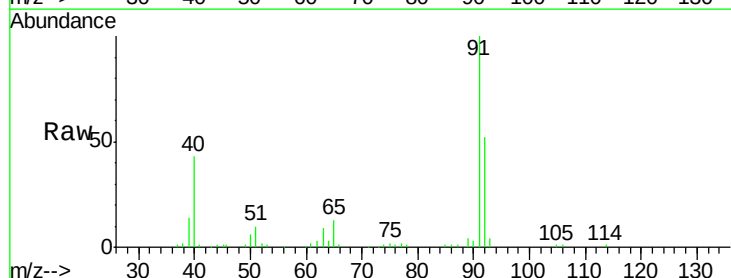
Acq: 27 Mar 2019 18:45

Tgt Ion: 91 Resp: 120193

Ion Ratio Lower Upper

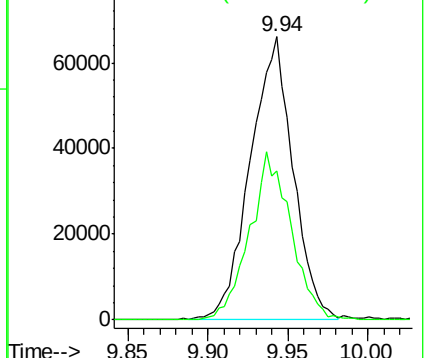
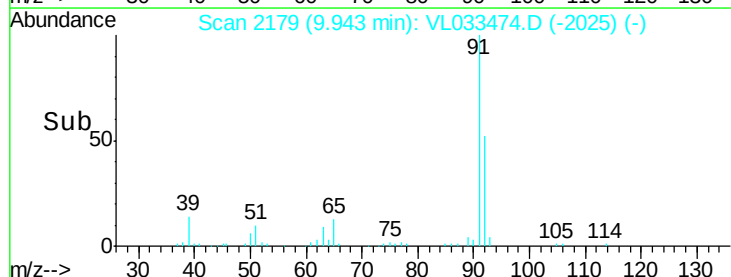
91 100

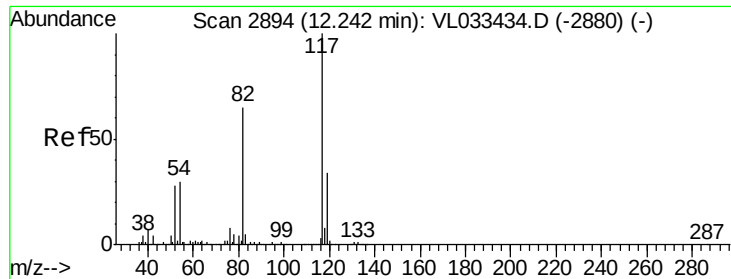
92 58.2 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





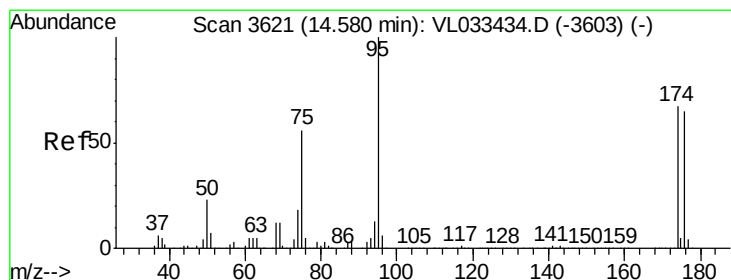
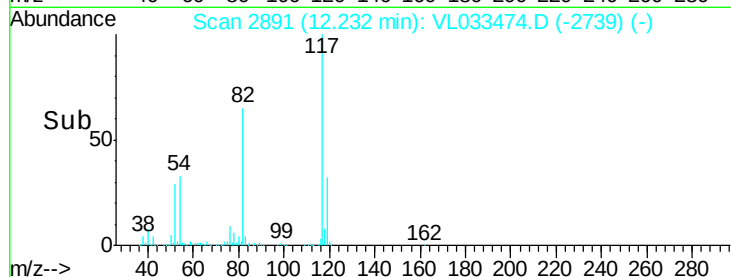
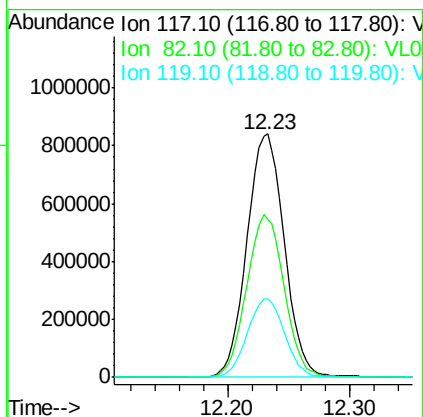
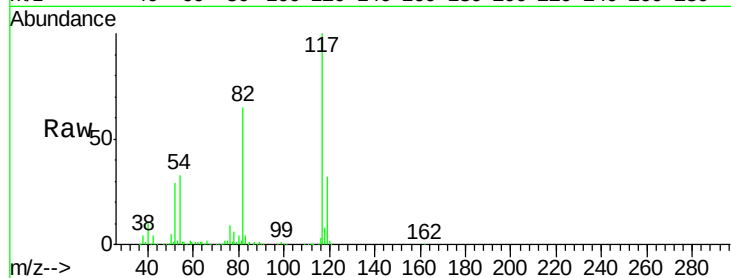
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
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Tot Ion:117 Resp: 1775702
Ion Ratio Lower Upper
117 100
82 67.4 51.5 77.3
119 32.3 25.5 38.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.848 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 95 Resp: 1370905
Ion Ratio Lower Upper
95 100
174 66.3 52.9 79.3
175 4.8 3.8 5.6

