

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033480.D
 Acq On : 27 Mar 2019 22:48
 Operator : SY/AP
 Sample : K2042-14DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-SCHOOL-ENTRANCEDL

Manual Integrations
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 4/1/2019 1:25:58 AM

Quant Time: Mar 28 09:50:46 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	740268	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1697389	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1694404	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1339753	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	6655m	0.062	ppbv	
4) Chloromethane	3.16	50	2856m	0.063	ppbv	
9) Propene	3.04	41	6862m	0.192	ppbv	
13) Ethanol	3.64	45	613382	66.229	ppbv	64
15) Acetone	3.90	43	64704	0.727	ppbv	98
17) tert-Butyl alcohol	4.36	59	2061m	0.126	ppbv	
19) Isopropyl Alcohol	4.02	45	84826	1.507	ppbv #	91
20) Methylene Chloride	4.41	84	10331m	0.273	ppbv	
26) Hexane	5.77	57	7285m	0.099	ppbv	
34) 2-Butanone	5.33	43	3701m	0.036	ppbv	
53) Toluene	9.94	91	14581	0.088	ppbv	97

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

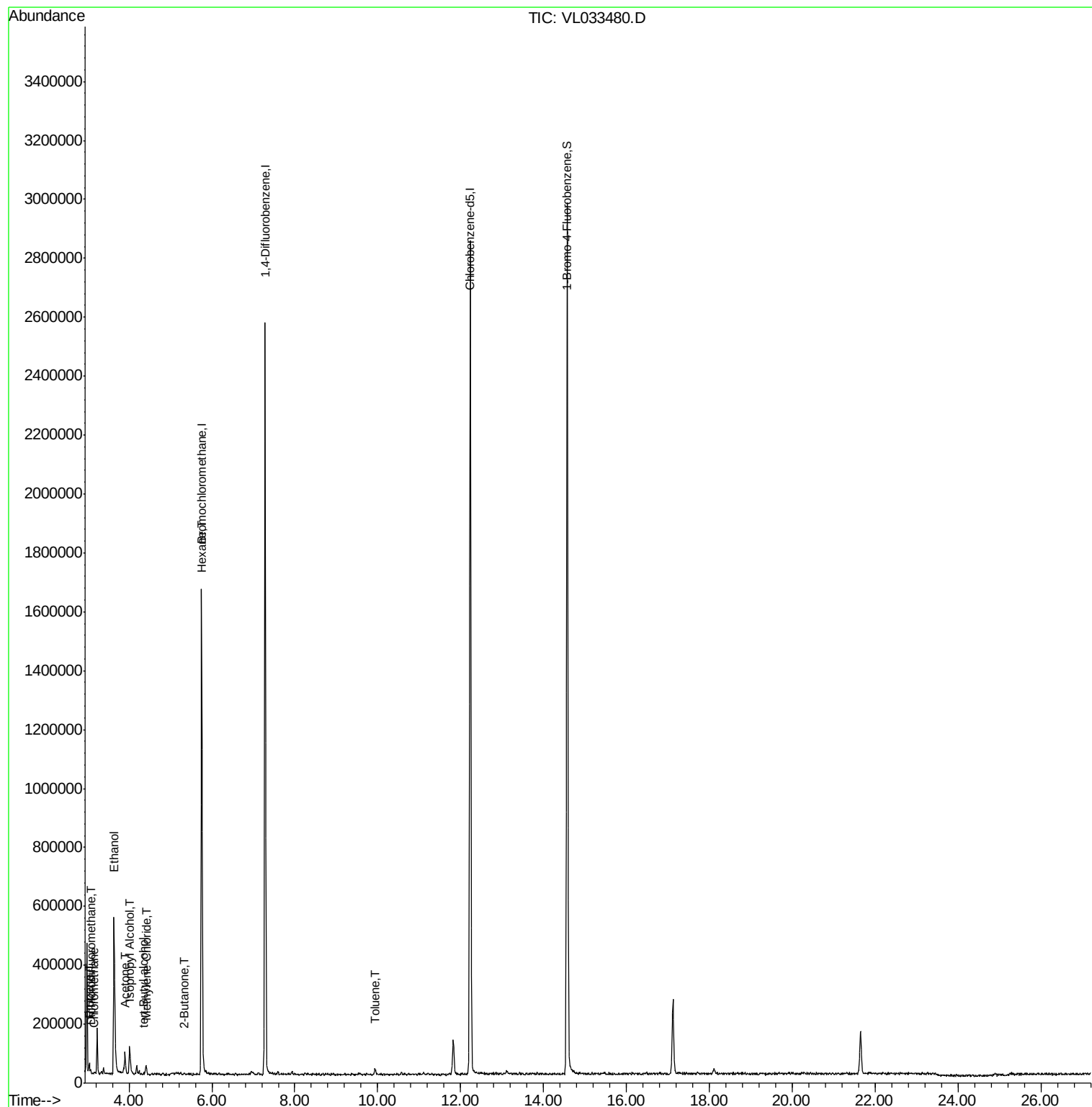
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032719\
Data File : VL033480.D
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Operator : SY/AP
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Misc : 400ml/MSVOA L
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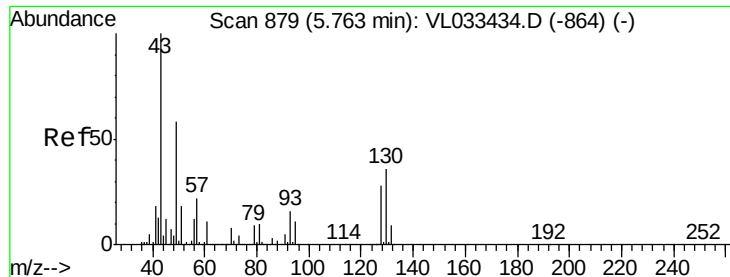
Instrument :
MSVOA_L
ClientSampleId :
IAS-7-SCHOOL-ENTRANCEDL

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Quant Time: Mar 28 09:50:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
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Response via : Initial Calibration





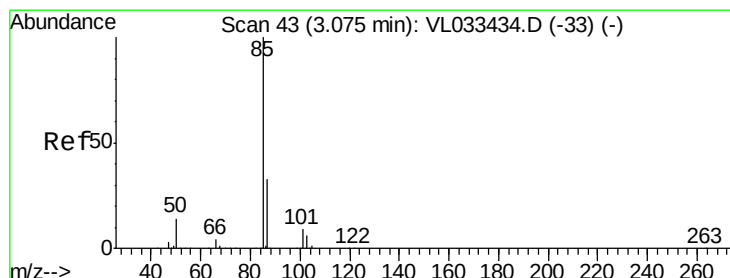
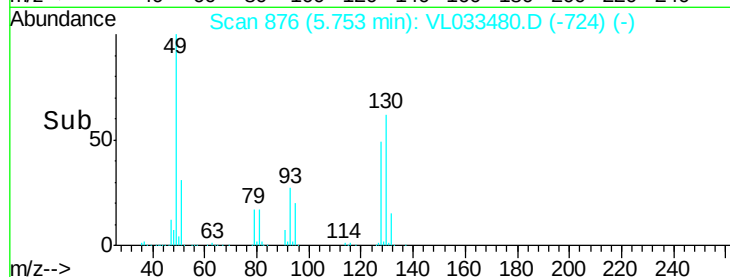
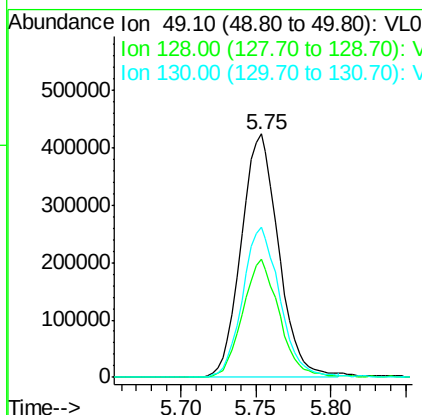
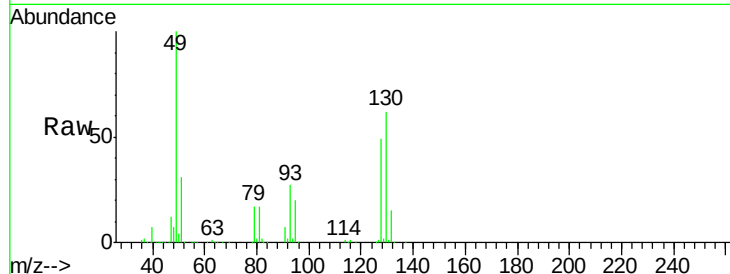
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033480.D
Acq: 27 Mar 2019 22:48

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-SCHOOL-ENTRANCEDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.7	24.0	72.0
130	61.9	31.2	93.6

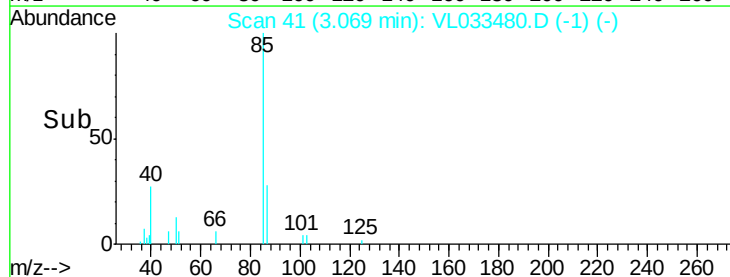
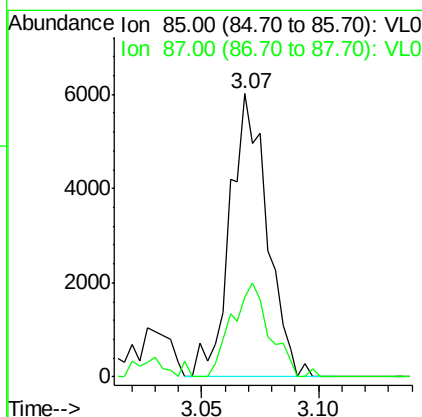
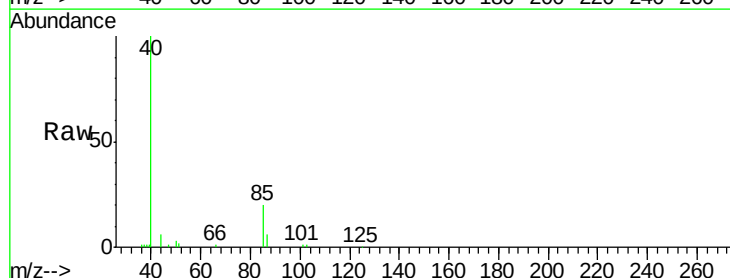
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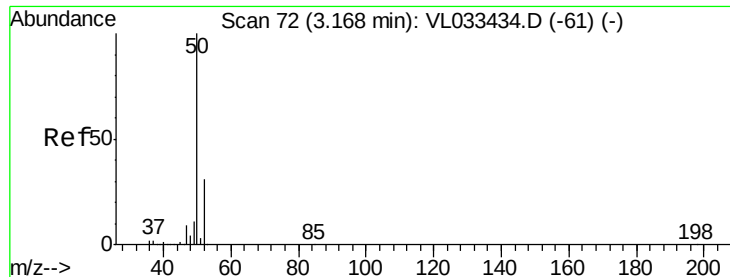
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#2
Dichlorodifluoromethane
Concen: 0.062 ppbv m
RT: 3.07 min Scan# 41
Delta R.T. -0.01 min
Lab File: VL033480.D
Acq: 27 Mar 2019 22:48

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.4	26.7	40.1





#4

Chloromethane

Concen: 0.063 ppbv m

RT: 3.16 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL033480.D

Acq: 27 Mar 2019 22:48

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-SCHOOL-ENTRANCEDL

Tot Ion: 50 Resp: 2856

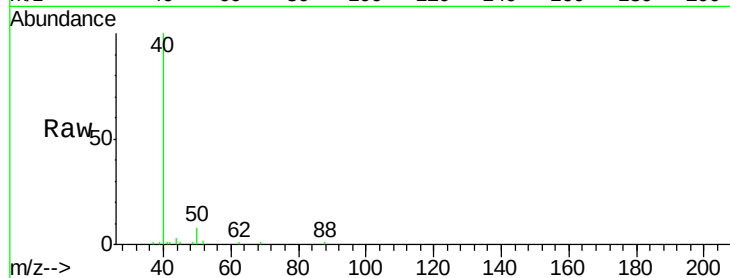
Ion Ratio Lower Upper

50 100

52 24.1 25.0 37.6#

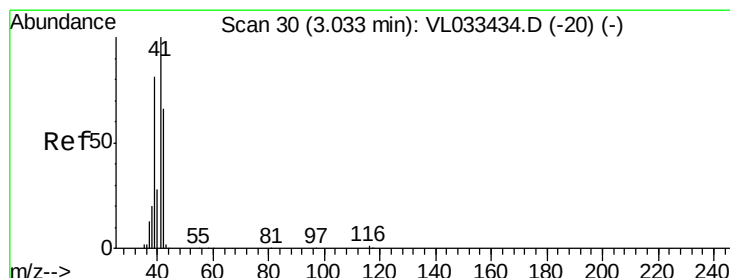
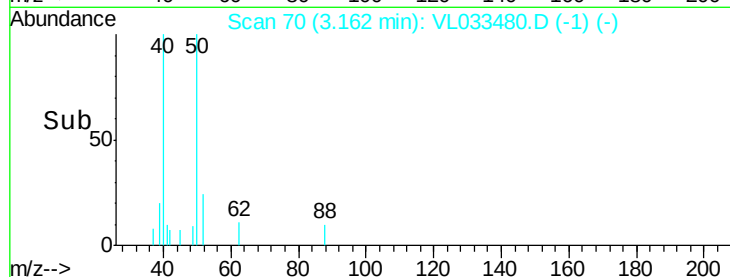
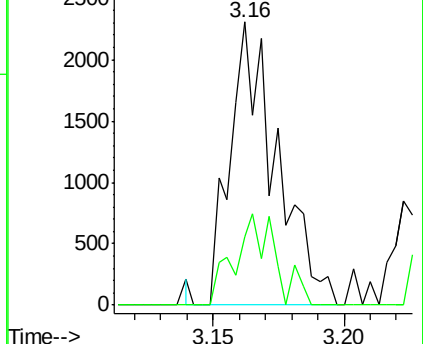
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.192 ppbv m

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033480.D

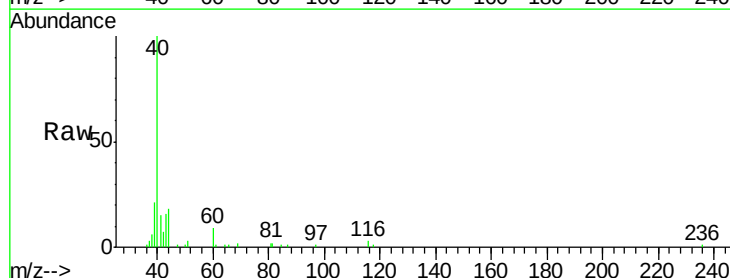
Acq: 27 Mar 2019 22:48

Tgt Ion: 41 Resp: 6862

Ion Ratio Lower Upper

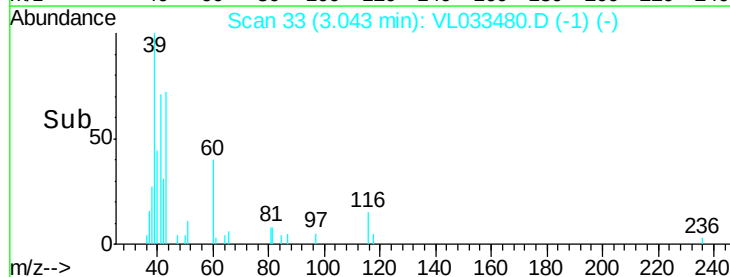
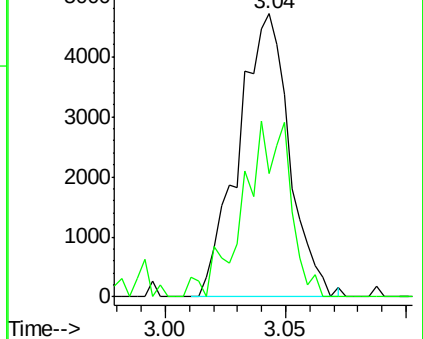
41 100

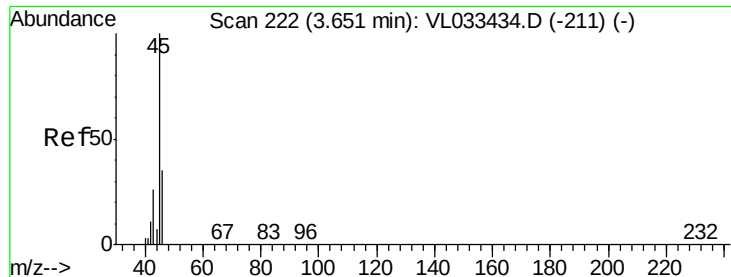
42 55.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





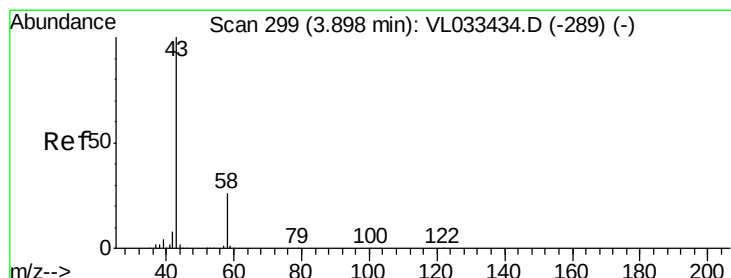
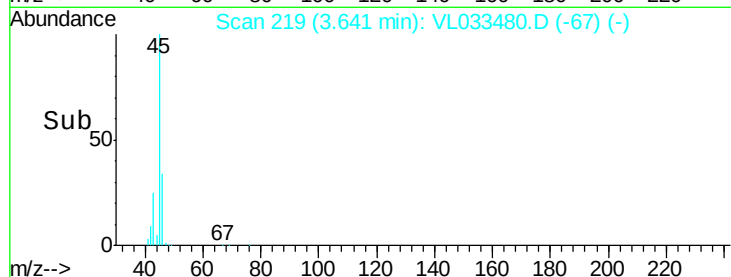
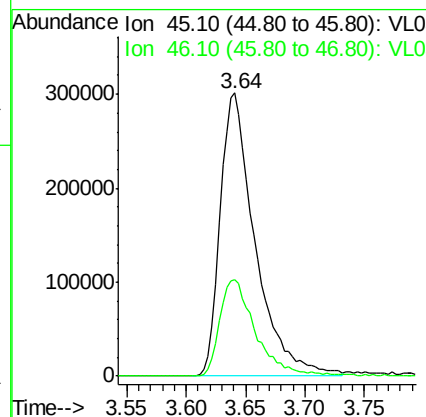
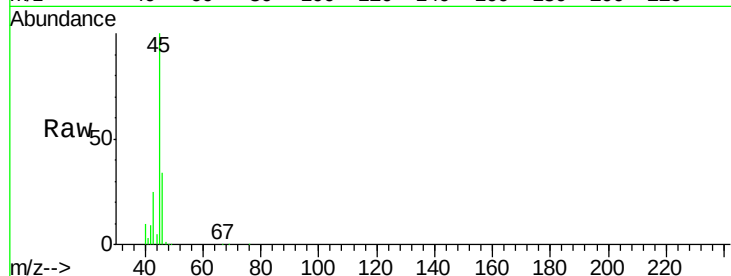
#13
Ethanol
Concen: 66.229 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.01 min
Lab File: VL033480.D
Acq: 27 Mar 2019 22:48

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-SCHOOL-ENTRANCEDL

Tot Ion	45	Resp	613382
Ion Ratio	100	Lower	Upper
46	35.3	25.4	101.8

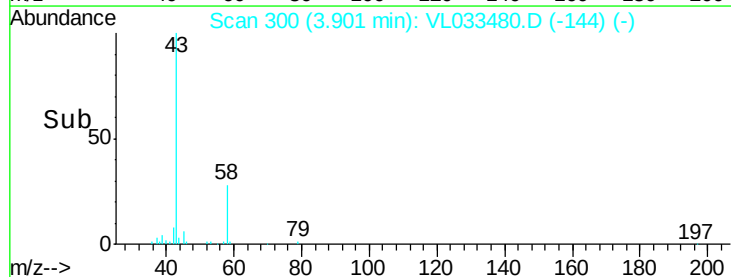
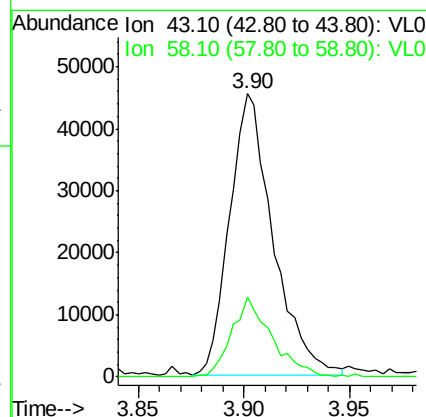
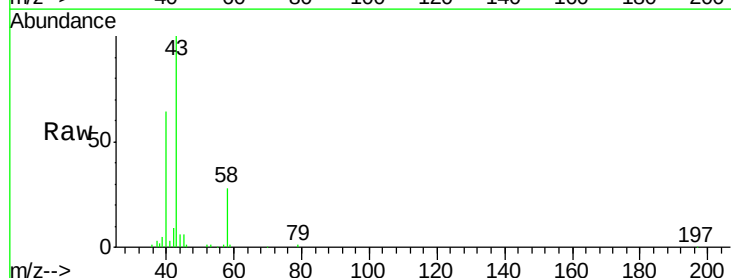
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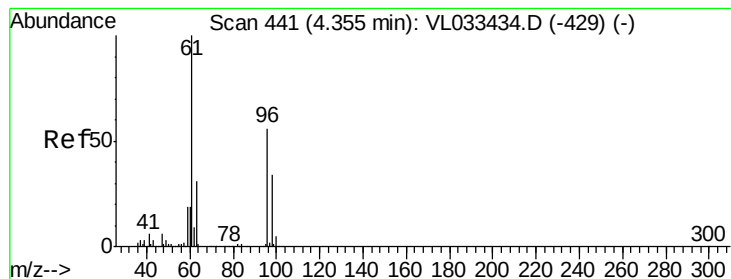
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#15
Acetone
Concen: 0.727 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033480.D
Acq: 27 Mar 2019 22:48

Tgt Ion	43	Resp	64704
Ion Ratio	100	Lower	Upper
58	26.4	20.5	30.7





#17

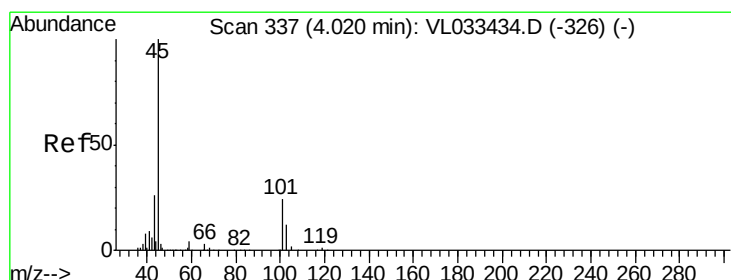
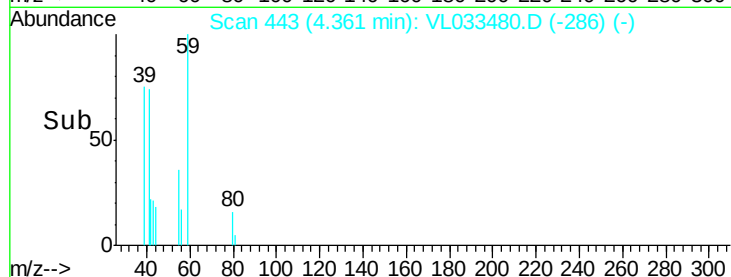
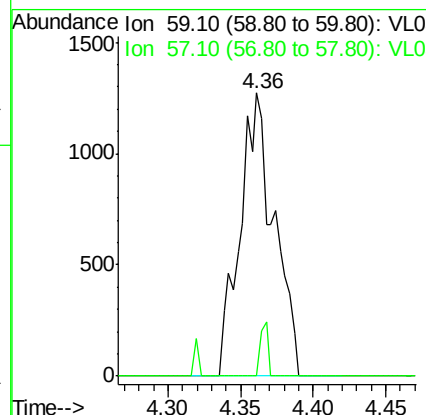
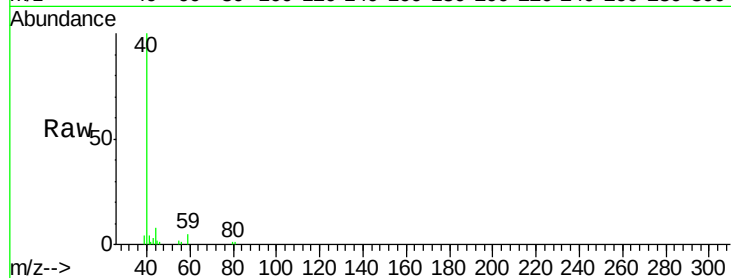
tert-Butyl alcohol
 Concen: 0.126 ppbv
 RT: 4.36 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VL033480.D
 Acq: 27 Mar 2019 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-SCHOOL-ENTRANCEDL

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

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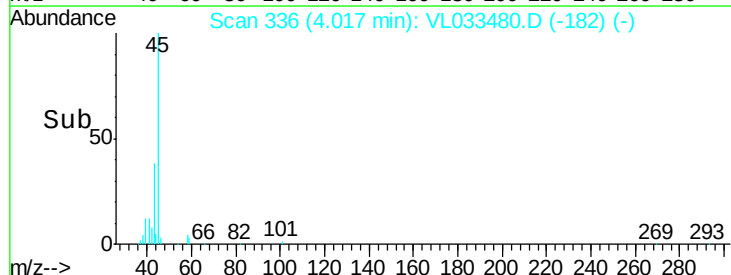
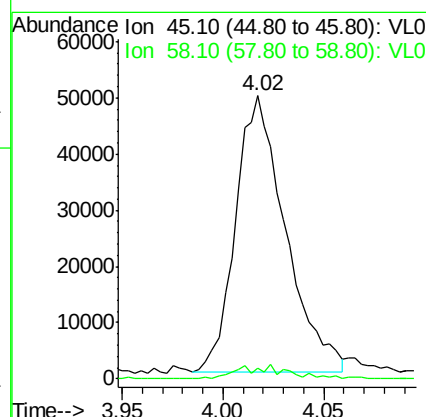
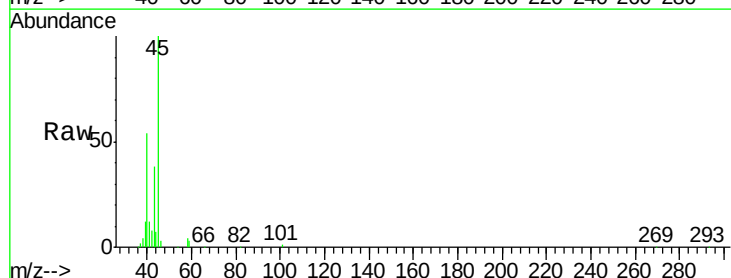
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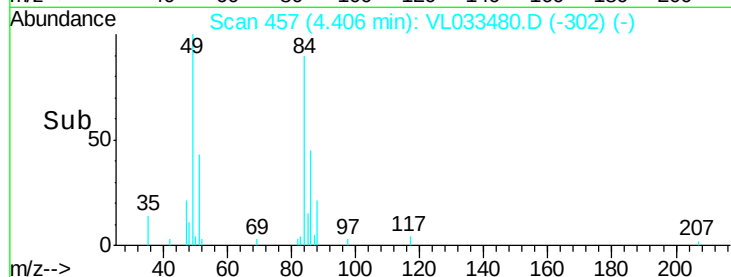
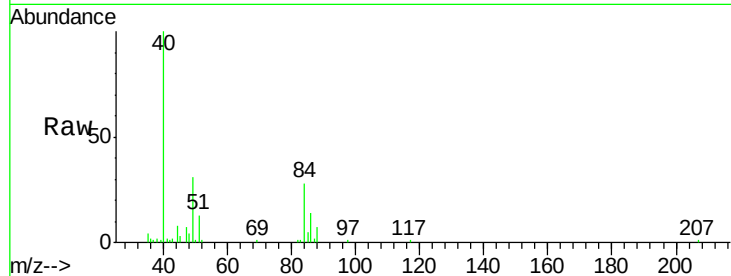
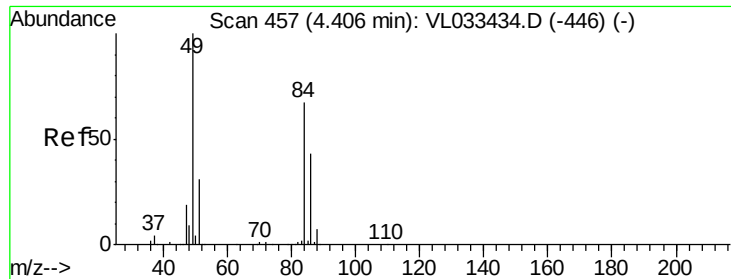


#19

Isopropyl Alcohol
 Concen: 1.507 ppbv
 RT: 4.02 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VL033480.D
 Acq: 27 Mar 2019 22:48

Tgt Ion	Ratio	Lower	Upper
45	100		
58	5.1	1.4	2.2#





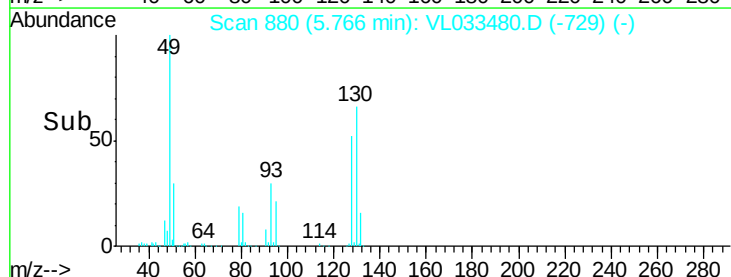
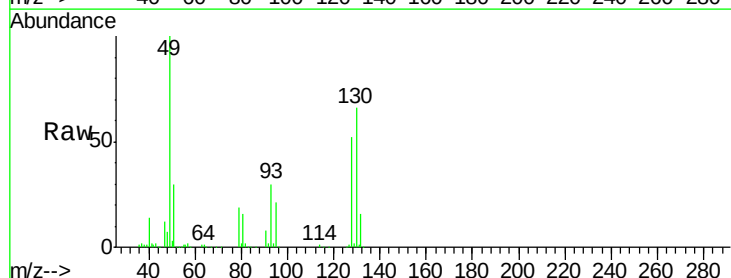
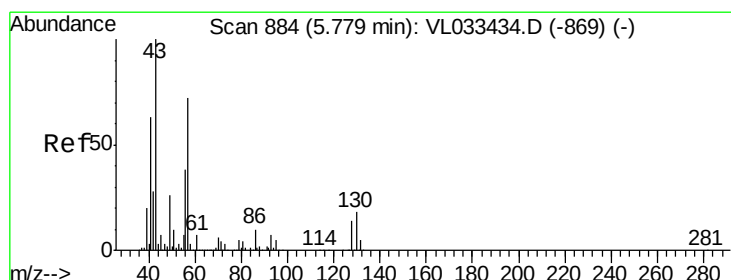
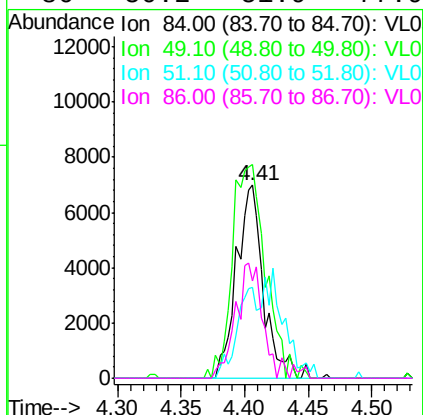
#20
Methvlene Chloride
Concen: 0.273 ppbv m
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033480.D
Acq: 27 Mar 2019 22:48

Tot Ion	Ratio	Lower	Upper
84	100		
49	110.7	120.0	180.0#
51	47.3	36.7	55.1
86	50.2	51.9	77.9#

Instrument :
MSVOA_L
ClientSampleId :
IAS-7-SCHOOL-ENTRANCEDL

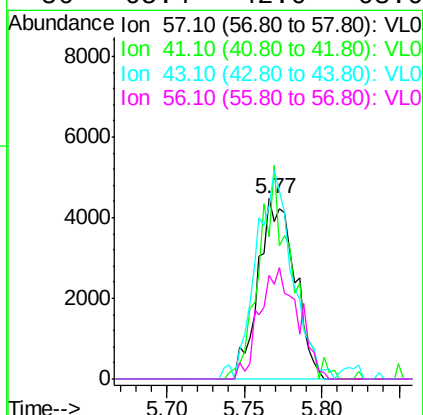
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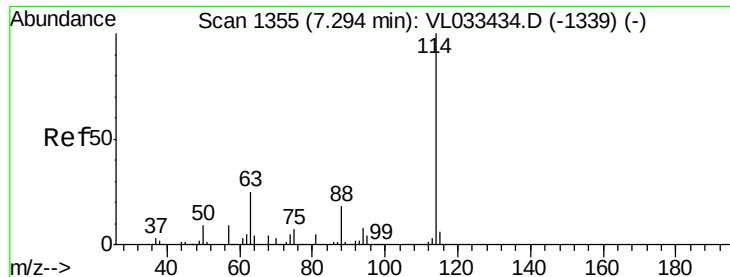
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#26
Hexane
Concen: 0.099 ppbv m
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL033480.D
Acq: 27 Mar 2019 22:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	104.5	70.7	106.1
43	120.2	182.6	274.0#
56	65.4	42.0	63.0#





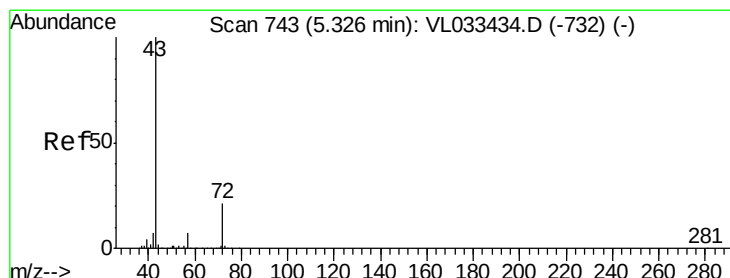
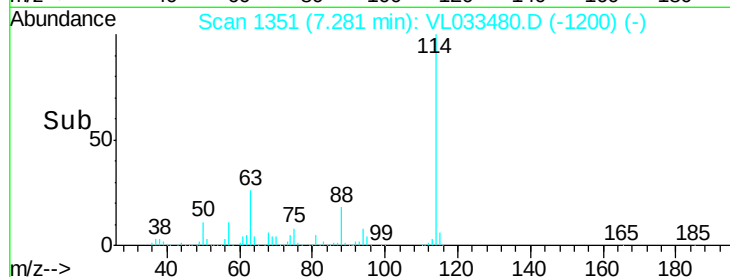
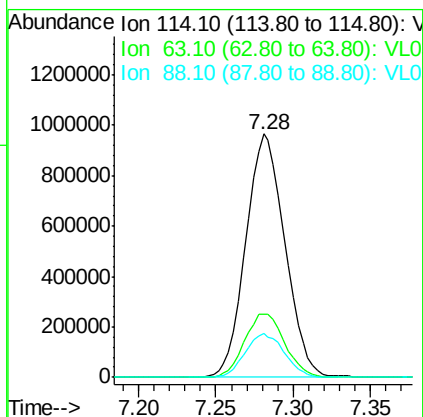
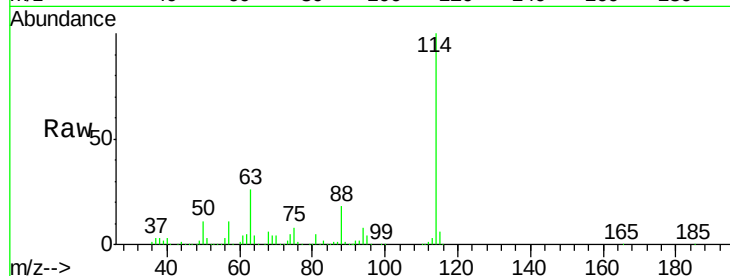
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033480.D
 Acq: 27 Mar 2019 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-7-SCHOOL-ENTRANCEDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.5	32.3
88	18.3	14.5	21.7

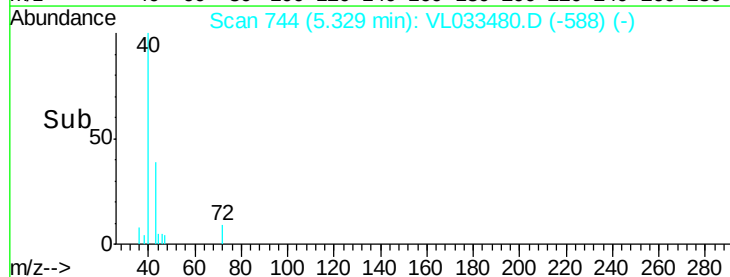
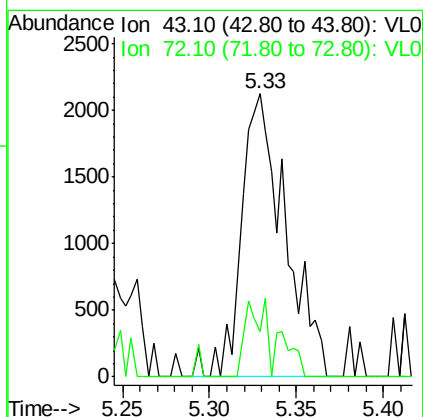
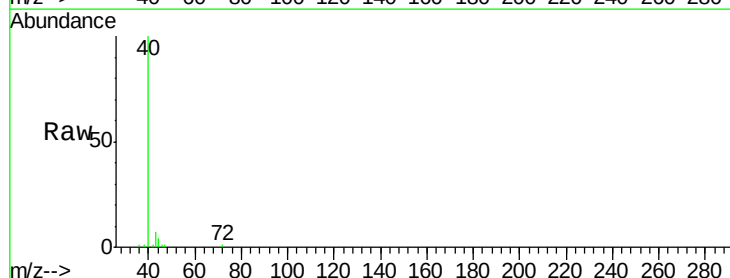
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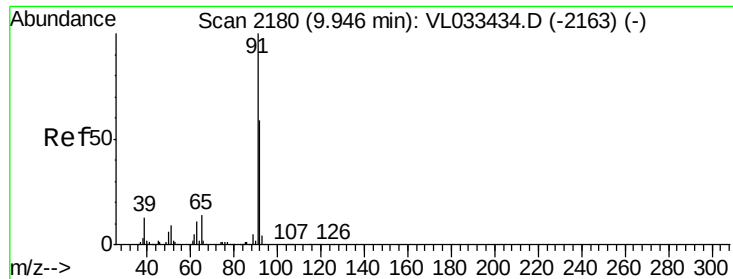
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#34
 2-Butanone
 Concen: 0.036 ppbv m
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033480.D
 Acq: 27 Mar 2019 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.4	17.4	26.2





#53

Toluene

Concen: 0.088 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033480.D

Acq: 27 Mar 2019 22:48

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-SCHOOL-ENTRANCEDL

Tot Ion: 91 Resp: 14581

Ion Ratio Lower Upper

91 100

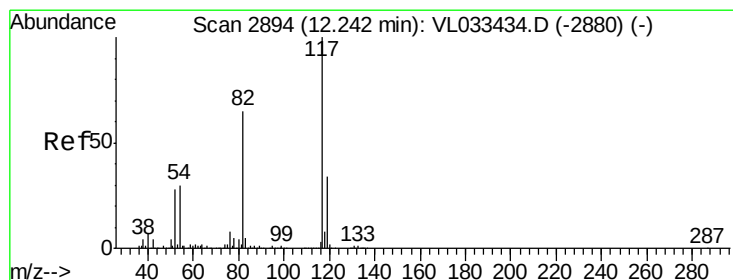
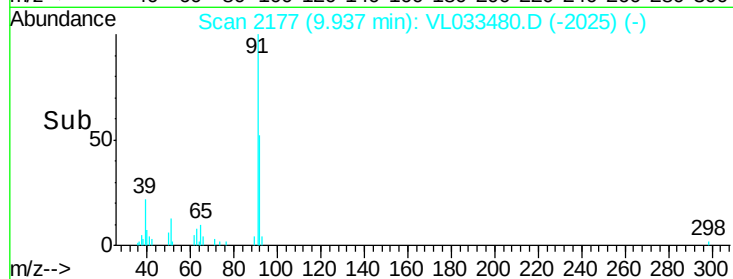
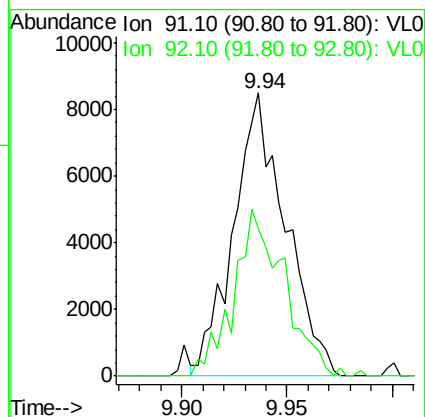
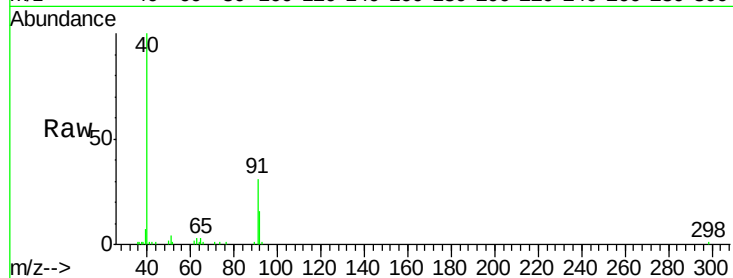
92 57.2 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033480.D

Acq: 27 Mar 2019 22:48

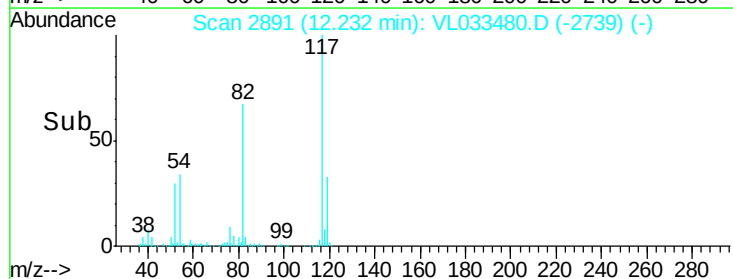
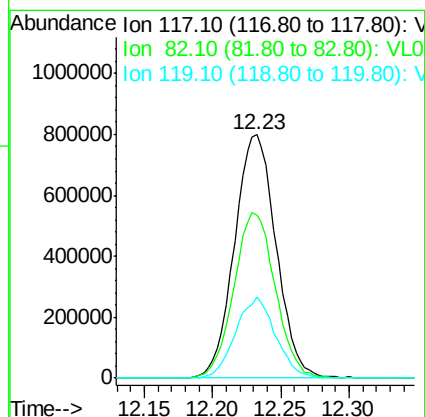
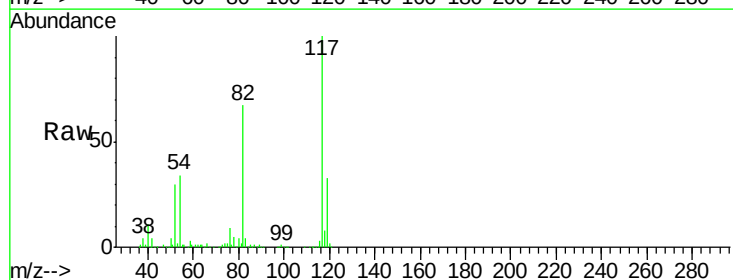
Tgt Ion: 117 Resp: 1694404

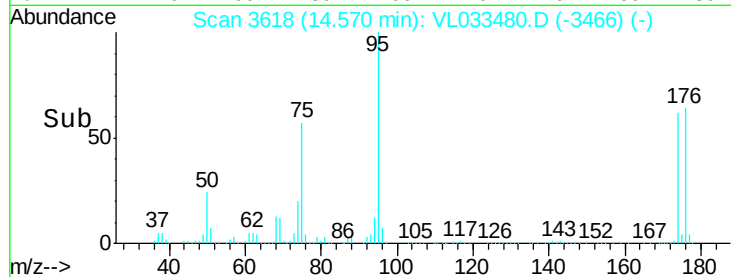
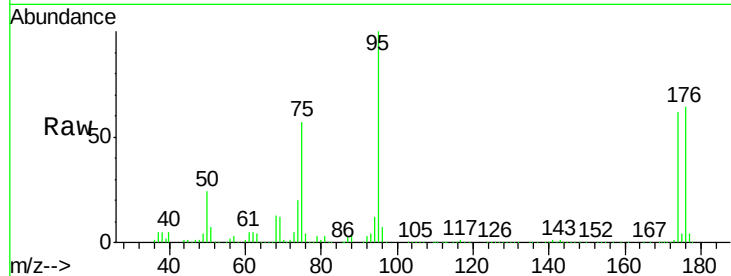
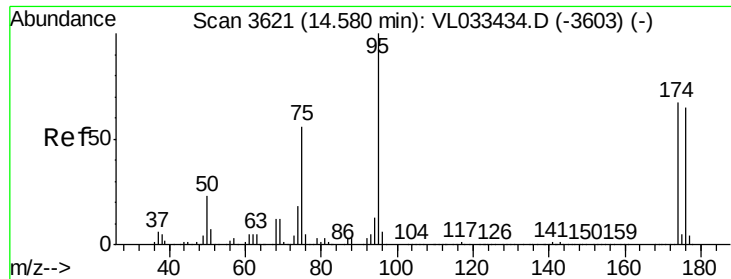
Ion Ratio Lower Upper

117 100

82 67.8 51.5 77.3

119 32.0 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.086 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033480.D

Acq: 27 Mar 2019 22:48

Tot Ion: 95 Resp: 1339753

Ion Ratio Lower Upper

95 100

174 65.3 52.9 79.3

175 4.8 3.8 5.6

Instrument :

MSVOA_L

ClientSampleId :

IAS-7-SCHOOL-ENTRANCEDL

Manual Integrations

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