

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033478.D
 Acq On : 27 Mar 2019 21:26
 Operator : SY/AP
 Sample : K2042-13DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-1-M.ELE.RMDL

Manual Integrations
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 4/1/2019 1:25:56 AM

Quant Time: Mar 28 09:48:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 28 09:48:57 2019
 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	729145	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.28	114	1671049	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.23	117	1727049	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	1351958	9.99	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	6596	0.062	ppbv	96
3) Chlorodifluoromethane	3.01	51	8819	0.105	ppbv #	74
9) Propene	3.04	41	5255m	0.149	ppbv	
13) Ethanol	3.65	45	57738	6.329	ppbv	66
15) Acetone	3.90	43	51013	0.582	ppbv	97
17) tert-Butyl alcohol	4.38	59	1439m	0.089	ppbv	
19) Isopropyl Alcohol	4.03	45	14977m	0.270	ppbv	
20) Methylene Chloride	4.40	84	18149	0.488	ppbv #	82
26) Hexane	5.77	57	14181m	0.196	ppbv	
34) 2-Butanone	5.34	43	4456m	0.044	ppbv	
53) Toluene	9.93	91	29410m	0.181	ppbv	

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

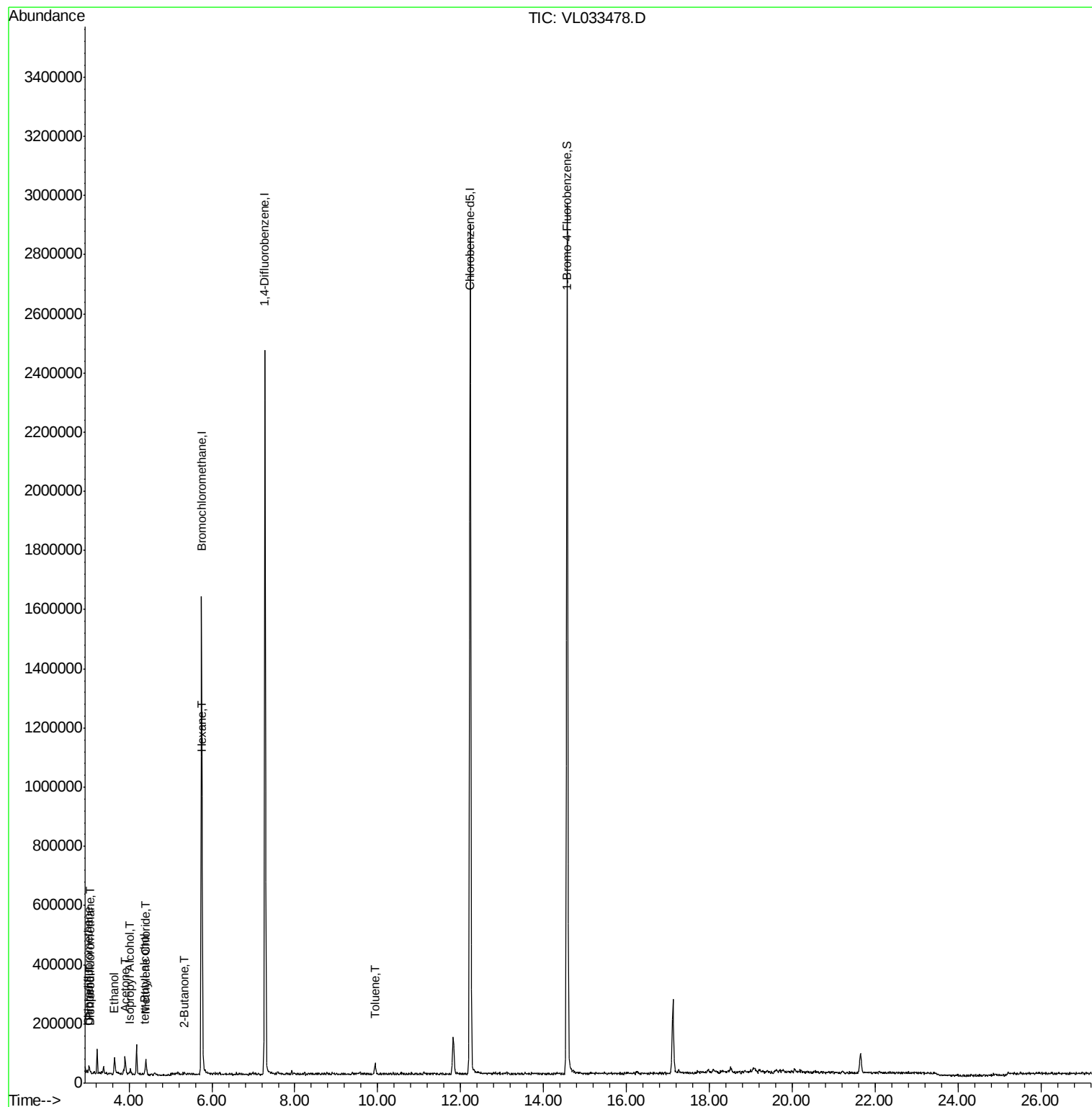
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032719\
Data File : VL033478.D
Acq On : 27 Mar 2019 21:26
Operator : SY/AP
Sample : K2042-13DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

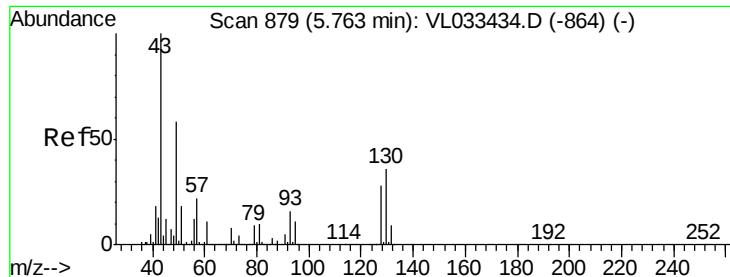
Instrument :
MSVOA_L
ClientSampleId :
IAS-1-M.ELE.RMDL

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Quant Time: Mar 28 09:48:57 2019
Quant Method : Z:\V0ASRV\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: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033478.D

Acq: 27 Mar 2019 21:26

Instrument :

MSVOA_L

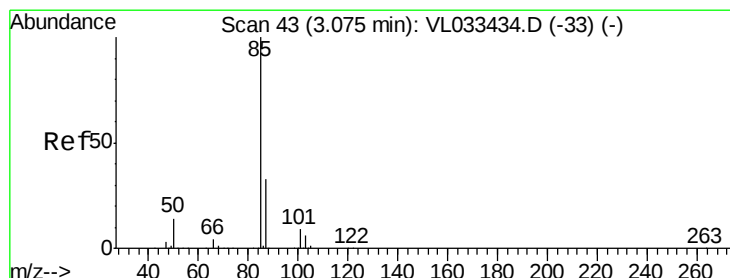
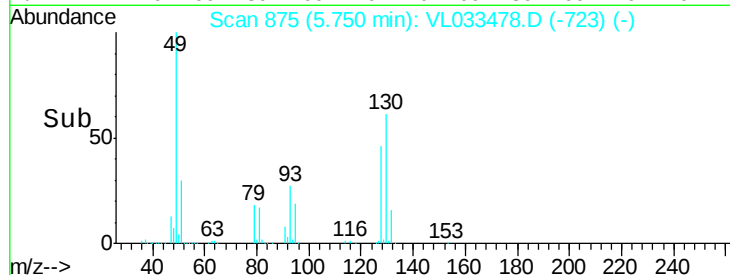
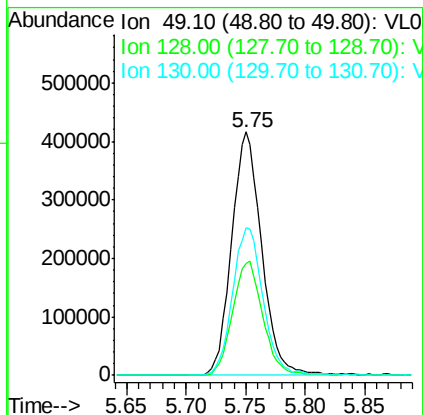
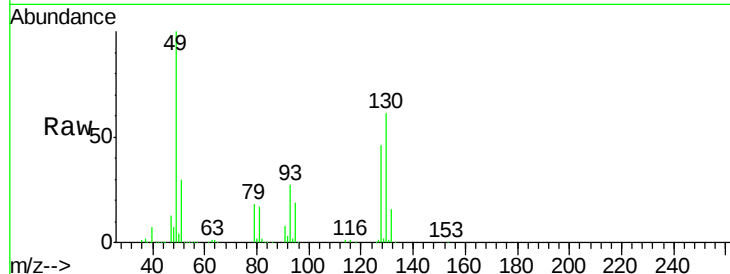
ClientSampleId :

IAS-1-M.ELE.RMDL

Tot Ion:	49	Resp:	729145
Ion	Ratio	Lower	Upper
49	100		
128	47.4	24.0	72.0
130	62.2	31.2	93.6

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#2

Dichlorodifluoromethane

Concen: 0.062 ppbv

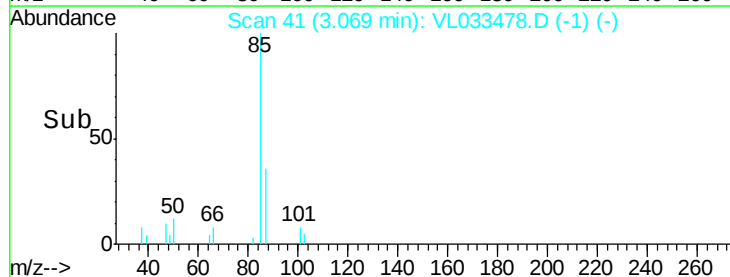
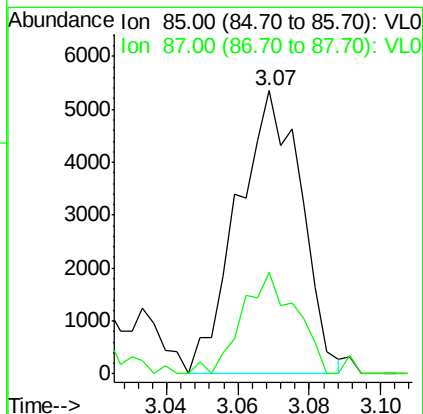
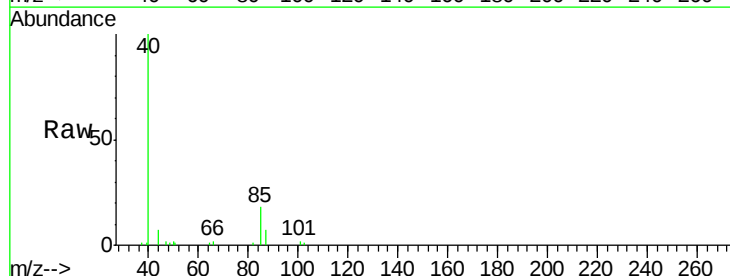
RT: 3.07 min Scan# 41

Delta R.T. -0.01 min

Lab File: VL033478.D

Acq: 27 Mar 2019 21:26

Tgt Ion:	85	Resp:	6596
Ion	Ratio	Lower	Upper
85	100		
87	35.9	26.7	40.1





#3

Chlorodifluoromethane

Concen: 0.105 ppbv

RT: 3.01 min Scan# 23

Delta R.T. -0.00 min

Lab File: VL033478.D

Acq: 27 Mar 2019 21:26

Instrument :

MSVOA_L

ClientSampleId :

IAS-1-M.ELE.RMDL

Tot Ion: 51 Resp: 8819

Ion Ratio Lower Upper

51 100

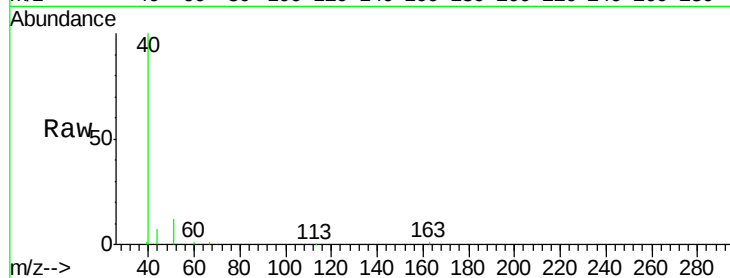
67 8.0 15.7 23.5#

Manual Integrations

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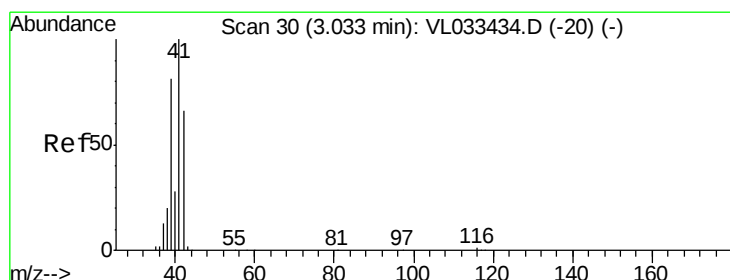
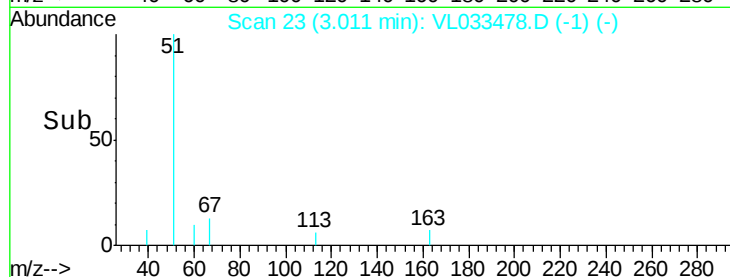
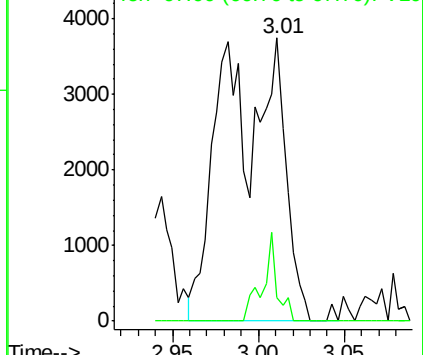
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.149 ppbv m

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033478.D

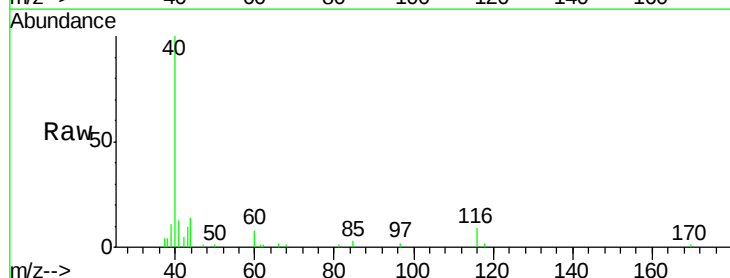
Acq: 27 Mar 2019 21:26

Tgt Ion: 41 Resp: 5255

Ion Ratio Lower Upper

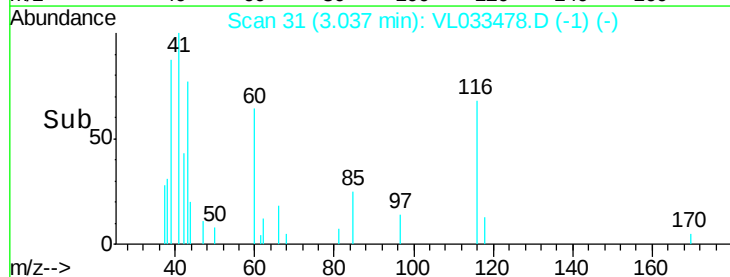
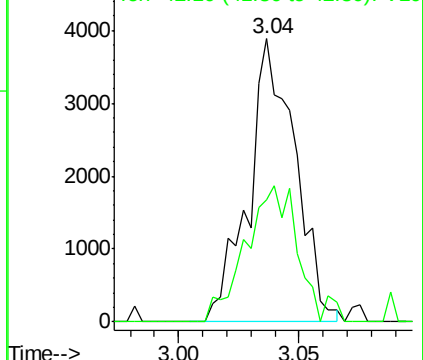
41 100

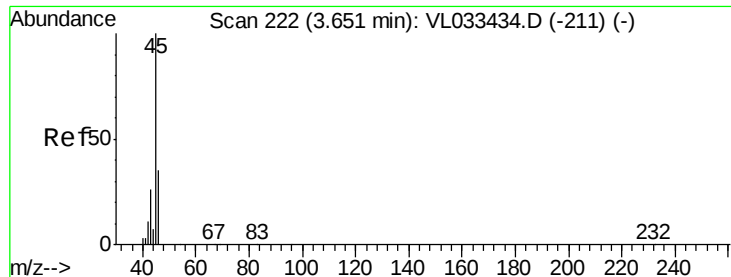
42 54.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





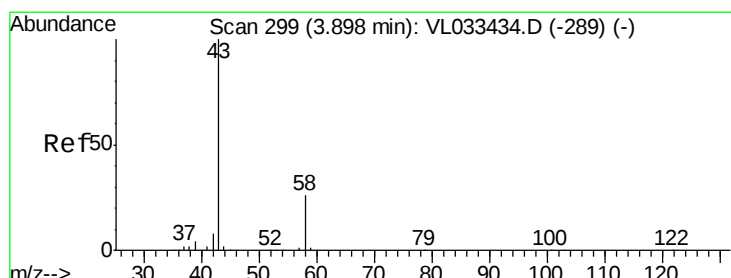
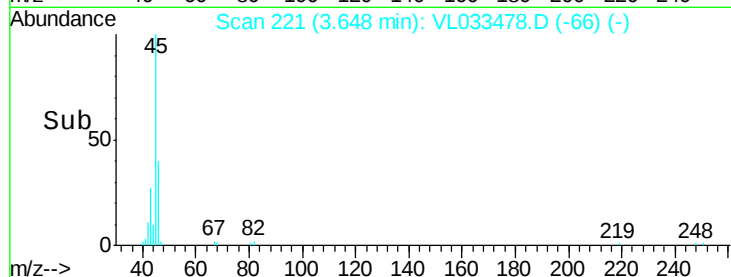
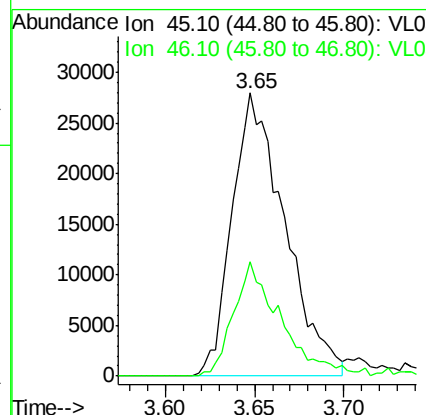
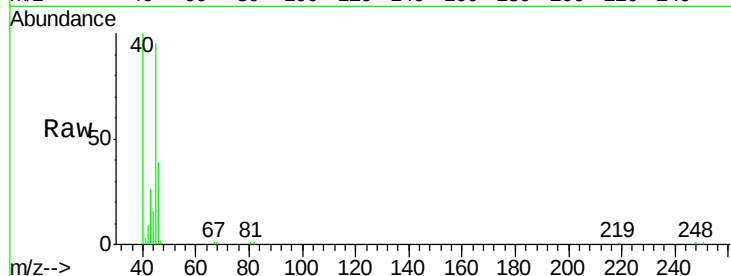
#13
Ethanol
Concen: 6.329 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033478.D
Acq: 27 Mar 2019 21:26

Instrument :
MSVOA_L
ClientSampleId :
IAS-1-M.ELE.RMDL

Tot Ion: 45 Resp: 57738
Ion Ratio Lower Upper
45 100
46 37.1 25.4 101.8

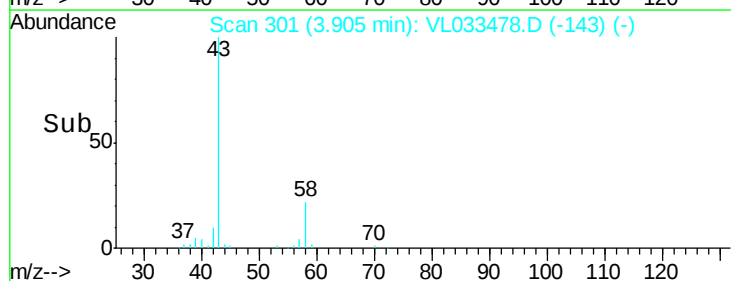
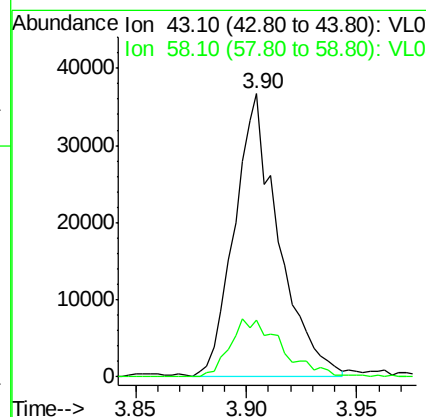
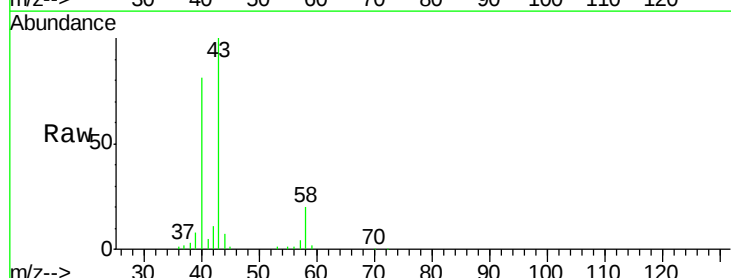
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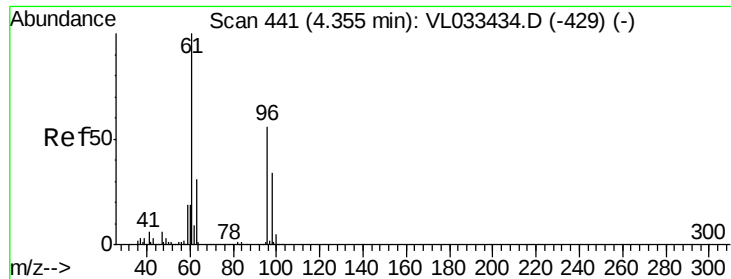
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#15
Acetone
Concen: 0.582 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033478.D
Acq: 27 Mar 2019 21:26

Tgt Ion: 43 Resp: 51013
Ion Ratio Lower Upper
43 100
58 24.3 20.5 30.7





#17

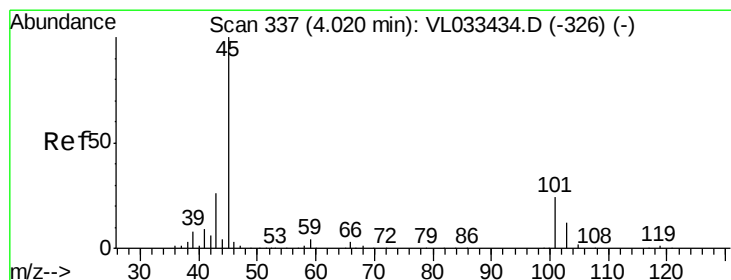
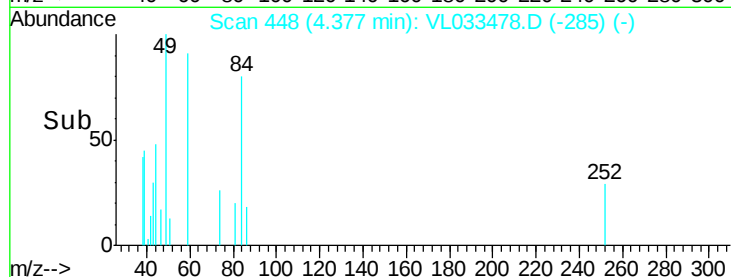
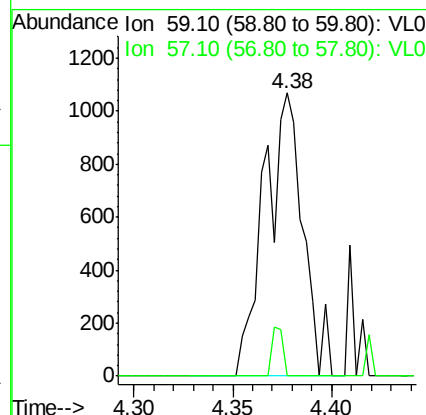
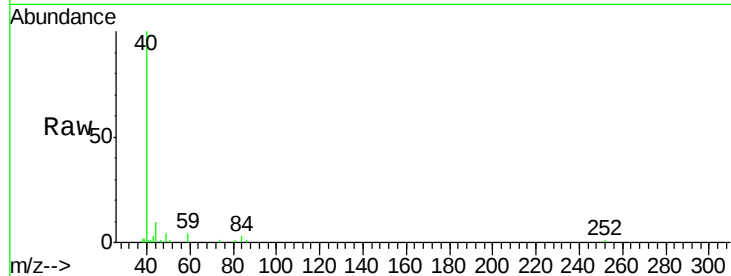
tert-Butyl alcohol
 Concen: 0.089 ppbv m
 RT: 4.38 min Scan# 448
 Delta R.T. 0.02 min
 Lab File: VL033478.D
 Acq: 27 Mar 2019 21:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-1-M.ELE.RMDL

Tot Ion: 59 Resp: 1439
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

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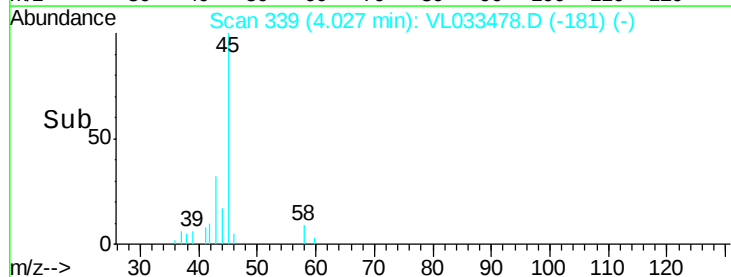
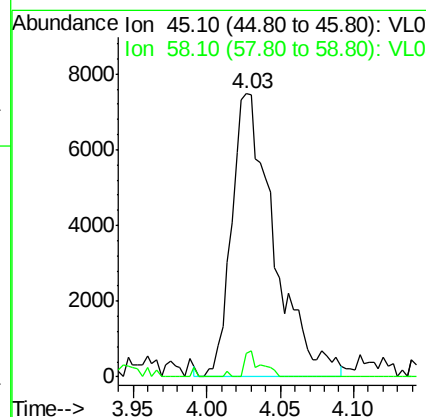
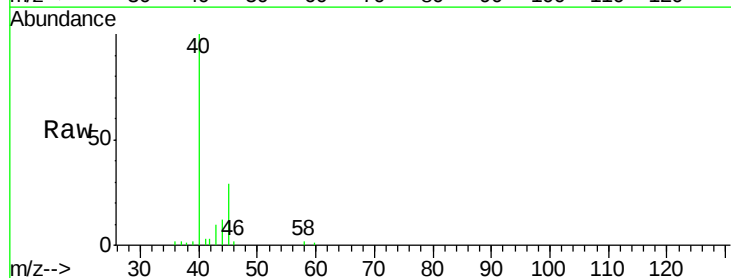
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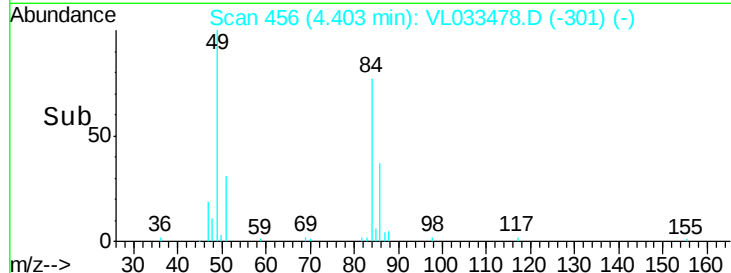
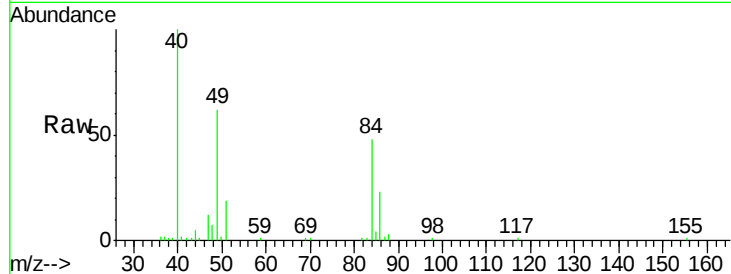
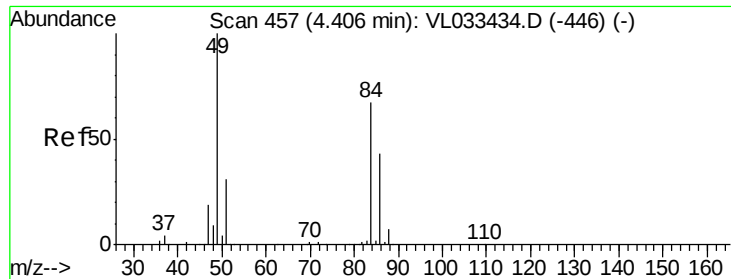


#19

Isopropyl Alcohol
 Concen: 0.270 ppbv m
 RT: 4.03 min Scan# 339
 Delta R.T. 0.01 min
 Lab File: VL033478.D
 Acq: 27 Mar 2019 21:26

Tgt Ion: 45 Resp: 14977
 Ion Ratio Lower Upper
 45 100
 58 3.6 1.4 2.2#





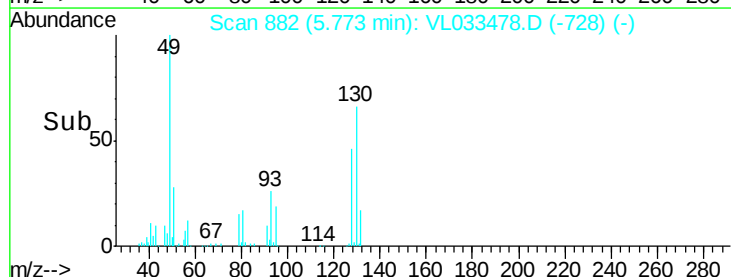
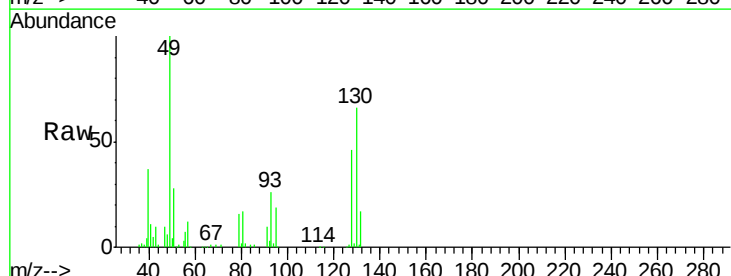
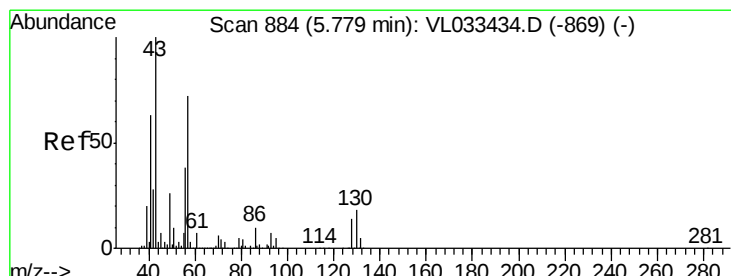
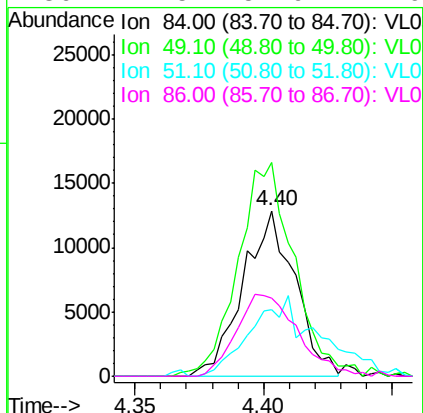
#20
Methvlene Chloride
Concen: 0.488 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033478.D
Acq: 27 Mar 2019 21:26

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	126.1	120.0	180.0	
51	40.3	36.7	55.1	
86	47.5	51.9	77.9#	

Instrument :
MSVOA_L
ClientSampleId :
IAS-1-M.ELE.RMDL

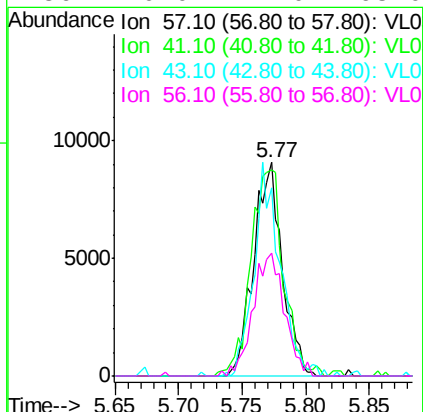
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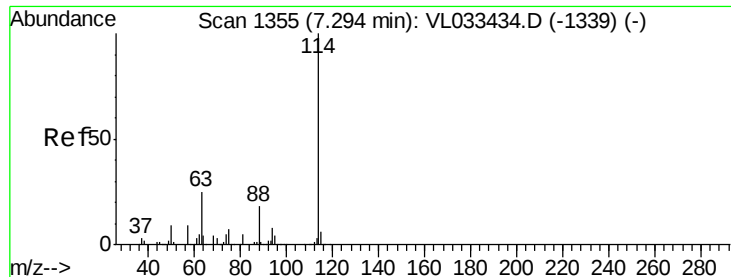
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#26
Hexane
Concen: 0.196 ppbv m
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033478.D
Acq: 27 Mar 2019 21:26

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	0.0	70.7	106.1#	
43	92.5	182.6	274.0#	
56	0.0	42.0	63.0#	





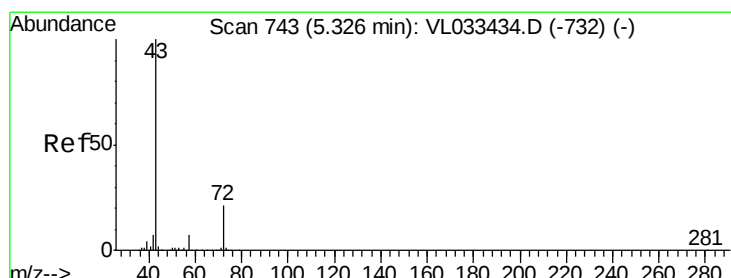
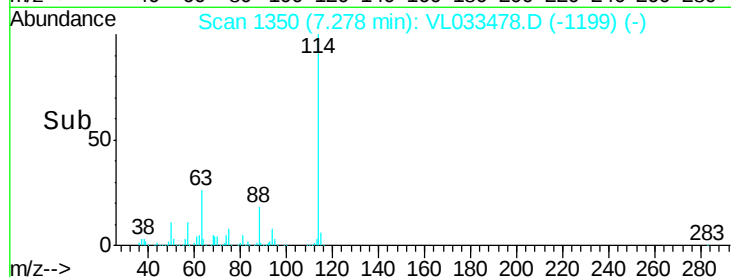
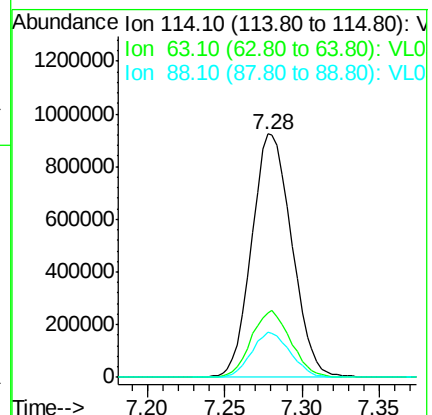
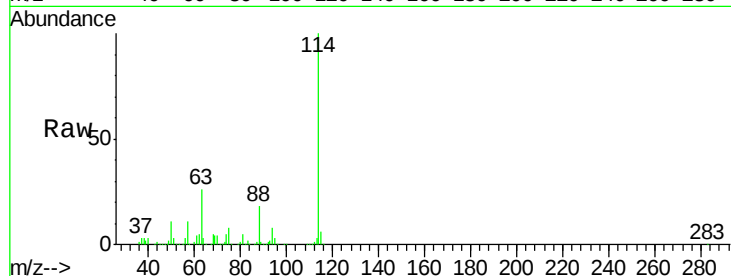
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VL033478.D
 Acq: 27 Mar 2019 21:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-1-M.ELE.RMDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.5	32.3
88	18.1	14.5	21.7

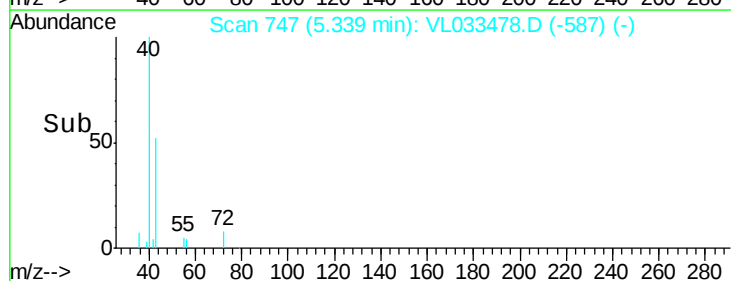
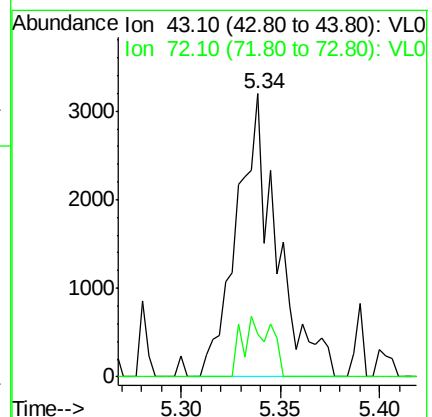
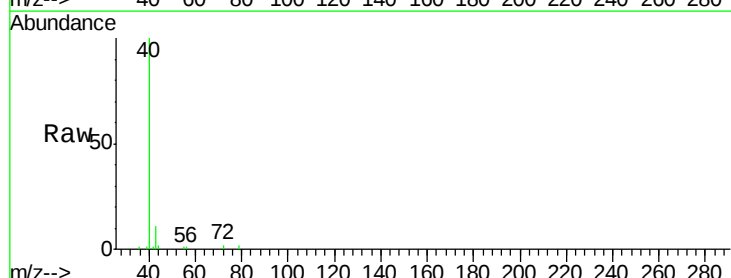
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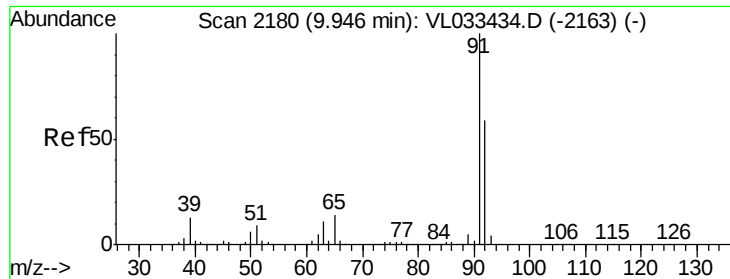
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#34
 2-Butanone
 Concen: 0.044 ppbv m
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033478.D
 Acq: 27 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	14.7	17.4	26.2#





#53

Toluene

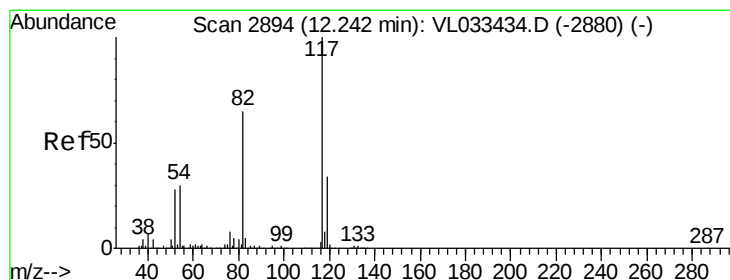
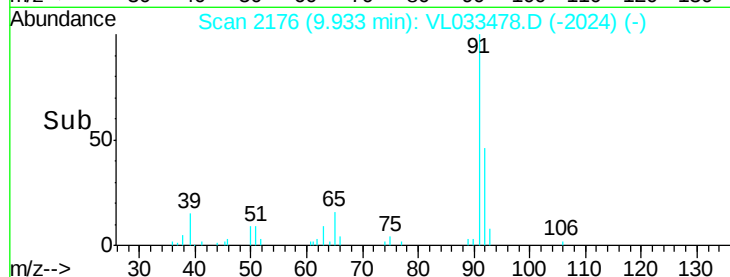
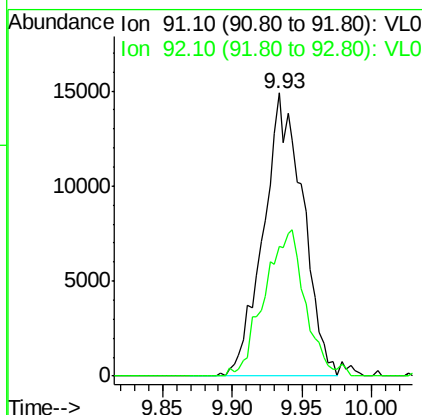
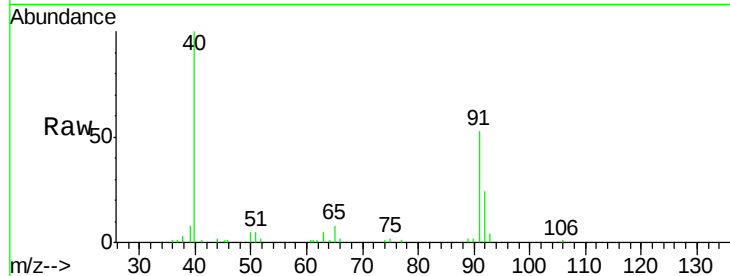
Concen: 0.181 ppbv m
 RT: 9.93 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VL033478.D
 Acq: 27 Mar 2019 21:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-1-M.ELE.RMDL

Tot Ion: 91 Resp: 29410
 Ion Ratio Lower Upper
 91 100
 92 0.0 47.4 71.0#

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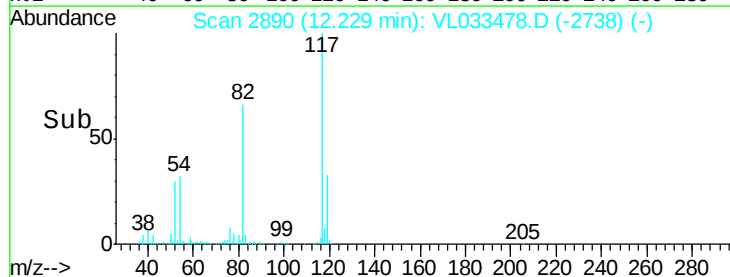
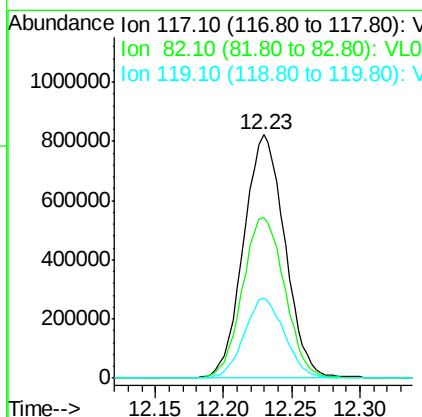
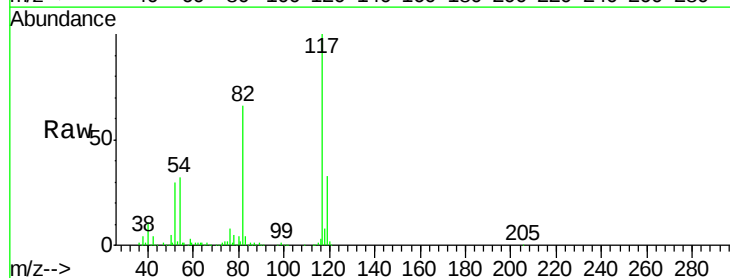


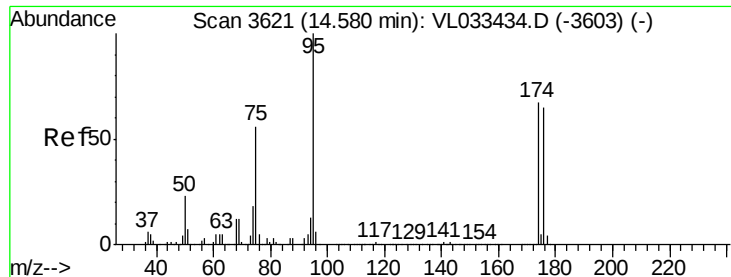
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.23 min Scan# 2890
 Delta R.T. -0.01 min
 Lab File: VL033478.D
 Acq: 27 Mar 2019 21:26

Tgt Ion: 117 Resp: 1727049
 Ion Ratio Lower Upper
 117 100
 82 68.1 51.5 77.3
 119 32.3 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.985 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033478.D
 Acq: 27 Mar 2019 21:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-1-M.ELE.RMDL

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	64.4	52.9	79.3	
175	4.7	3.8	5.6	

Manual Integrations
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