

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011619\
 Data File : VL033107.D
 Acq On : 17 Jan 2019 1:17
 Operator : SY/AP
 Sample : CAN 10305
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10305

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 3:17:07 PM

Quant Time: Jan 17 04:04:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	949921	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2294857	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2065803	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1534708	9.69	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	7708m	0.125	ppbv	
13) Ethanol	3.68	45	6005m	0.375	ppbv	
15) Acetone	3.91	43	16925	0.129	ppbv	97
20) Methylene Chloride	4.41	84	37882m	0.691	ppbv	
26) Hexane	5.78	57	17852m	0.171	ppbv	

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

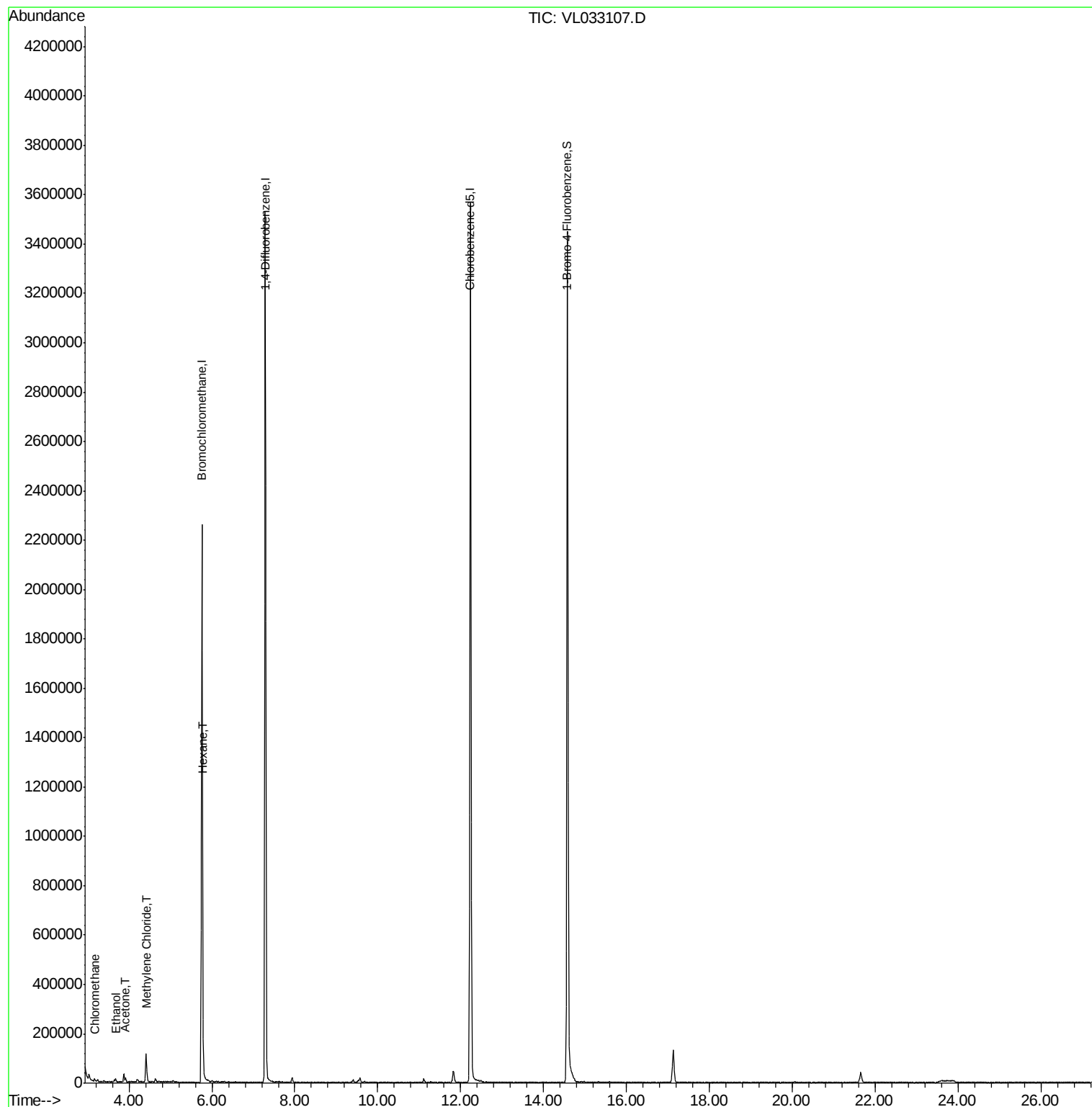
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011619\
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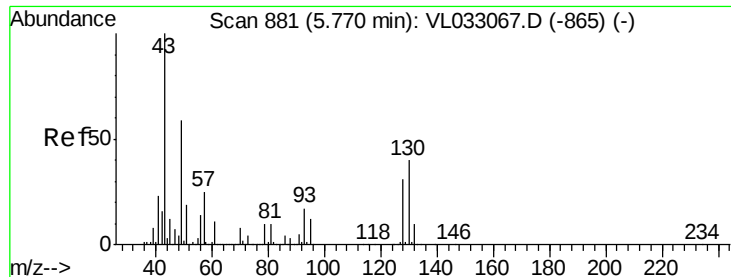
Instrument :
MSVOA_L
ClientSampleId :
CAN 10305

Manual Integrations
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Quant Time: Jan 17 04:04:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
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QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration





#1

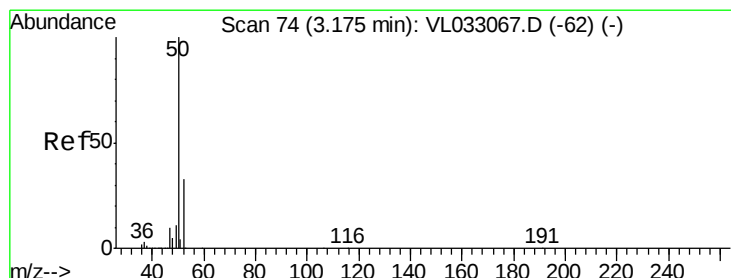
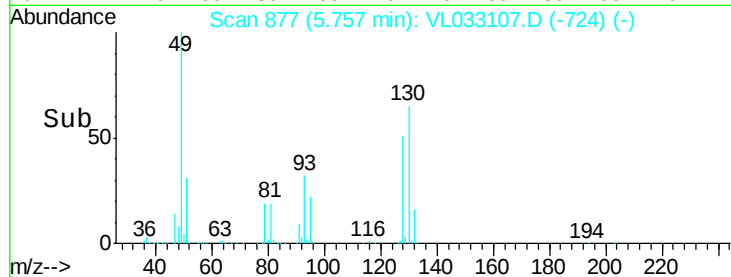
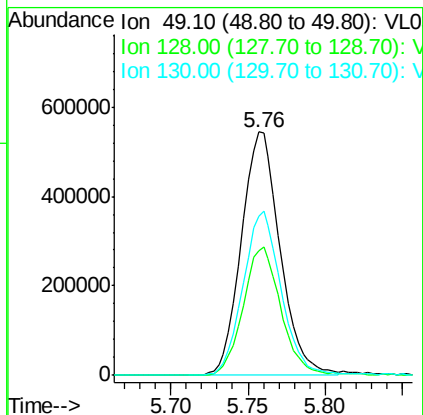
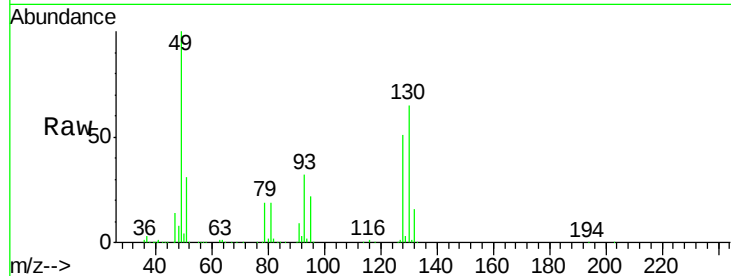
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033107.D
 Acq: 17 Jan 2019 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10305

Tot Ion	Ratio	Lower	Upper
49	100		
128	52.3	26.2	78.5
130	67.1	33.6	100.6

Manual Integrations
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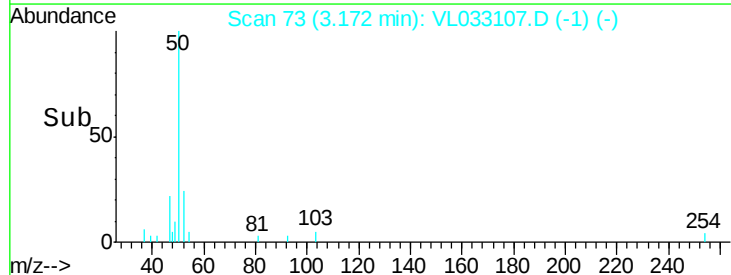
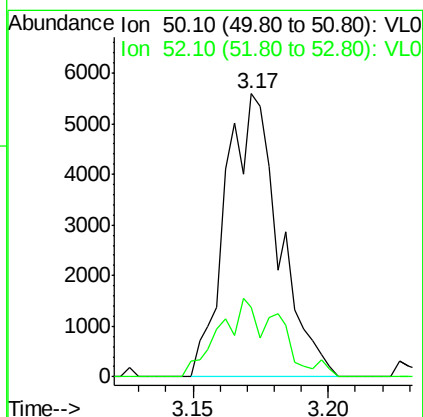
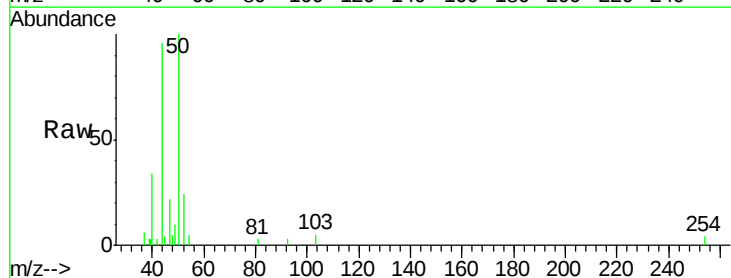
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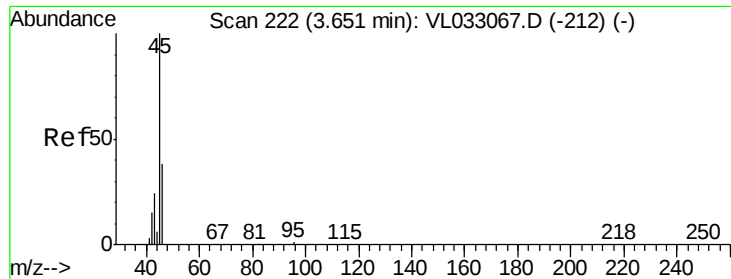


#4

Chloromethane
 Concen: 0.125 ppbv m
 RT: 3.17 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VL033107.D
 Acq: 17 Jan 2019 1:17

Tgt Ion	Ratio	Lower	Upper
50	100		
52	24.5	26.9	40.3#





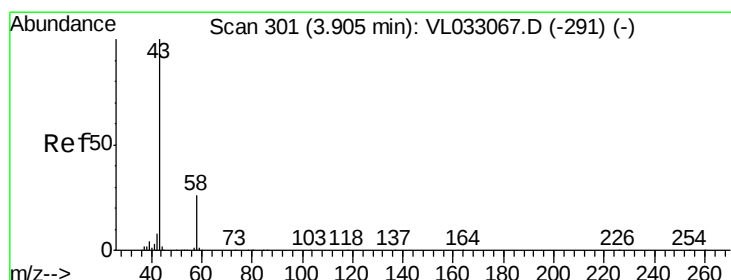
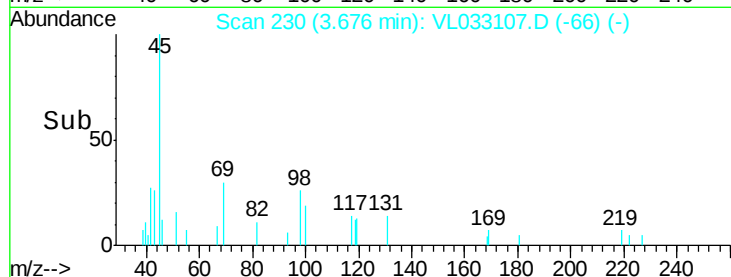
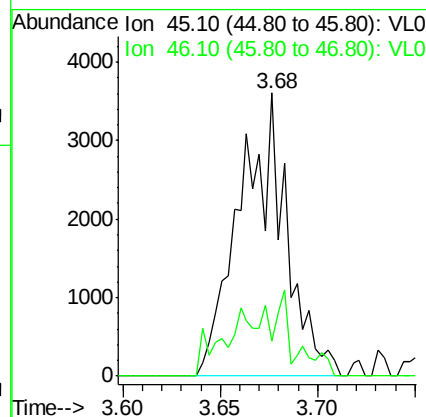
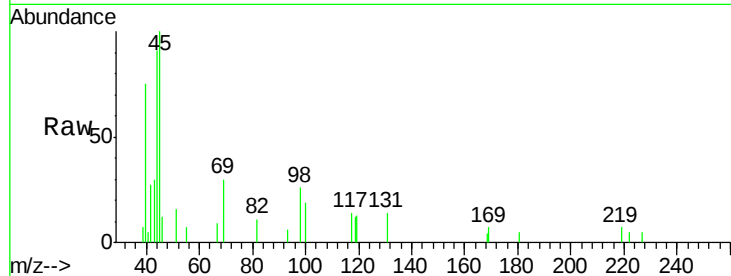
#13
Ethanol
Concen: 0.375 ppbv m
RT: 3.68 min Scan# 230
Delta R.T. 0.03 min
Lab File: VL033107.D
Acq: 17 Jan 2019 1:17

Instrument :
MSVOA_L
ClientSampleId :
CAN 10305

Tot Ion: 45 Resp: 6005
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.2#

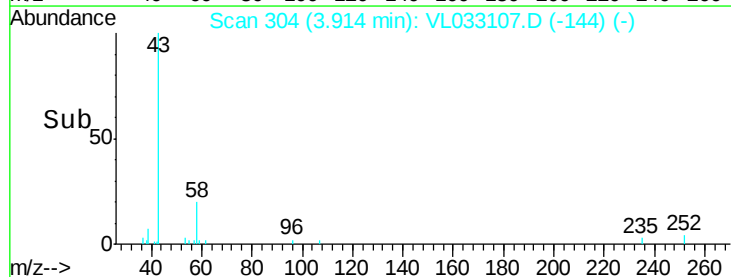
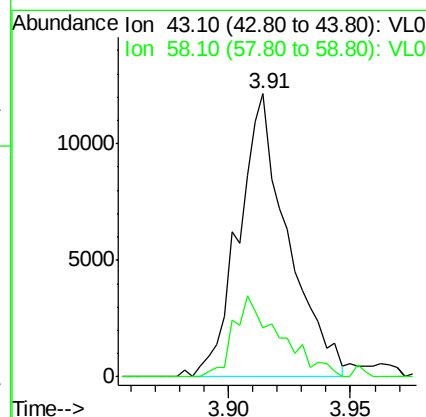
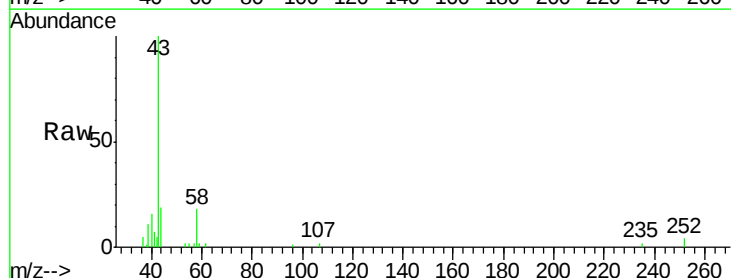
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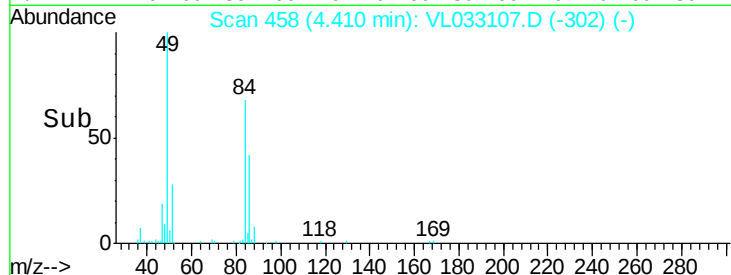
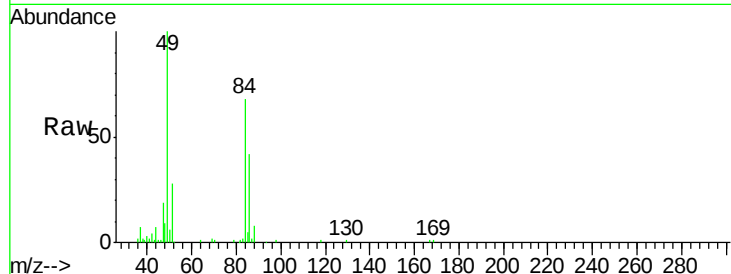
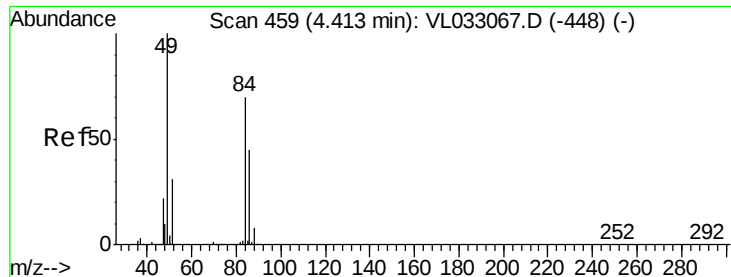
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#15
Acetone
Concen: 0.129 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL033107.D
Acq: 17 Jan 2019 1:17

Tgt Ion: 43 Resp: 16925
Ion Ratio Lower Upper
43 100
58 28.2 21.1 31.7





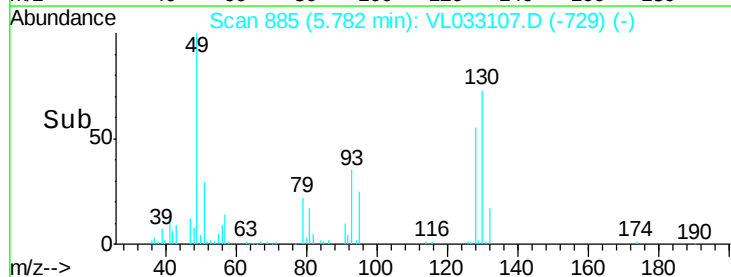
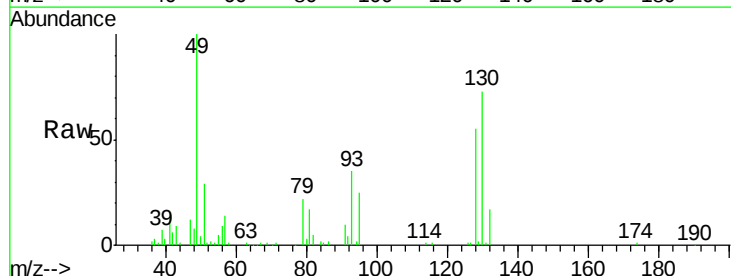
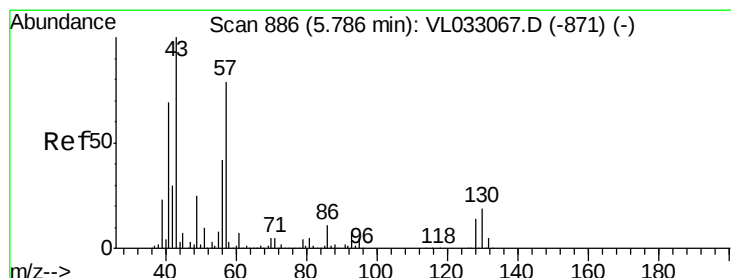
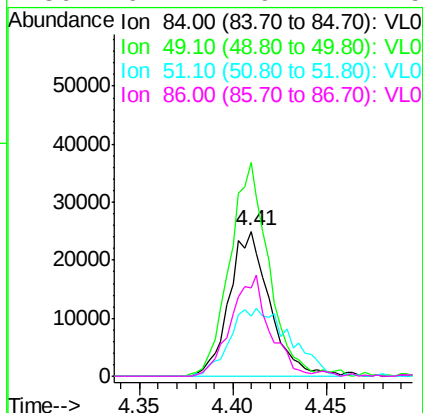
#20
Methvlene Chloride
Concen: 0.691 ppbv m
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033107.D
Acq: 17 Jan 2019 1:17

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	147.0	115.8	173.6	
51	41.4	35.7	53.5	
86	61.2	49.7	74.5	

Instrument :
MSVOA_L
ClientSampled :
CAN 10305

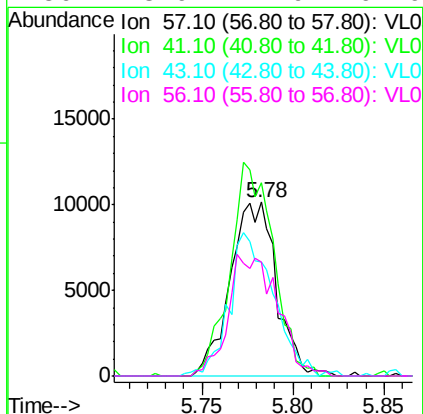
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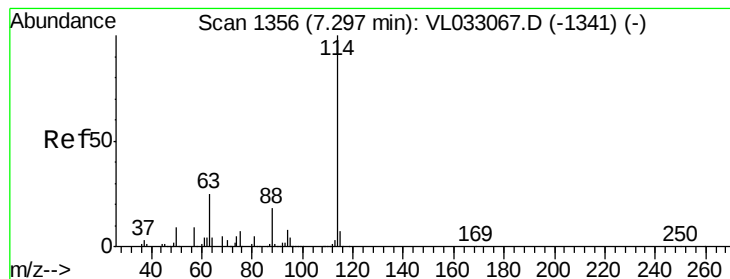
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#26
Hexane
Concen: 0.171 ppbv m
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033107.D
Acq: 17 Jan 2019 1:17

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	114.4	70.8	106.2#	
43	79.8	171.8	257.6#	
56	73.9	41.9	62.9#	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033107.D

Acq: 17 Jan 2019 1:17

Instrument :

MSVOA_L

ClientSampleId :

CAN 10305

Tot Ion:114 Resp: 2294857

Ion Ratio Lower Upper

114 100

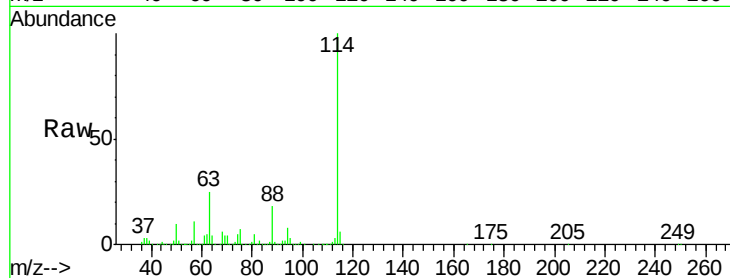
63 25.7 20.1 30.1

88 18.1 14.0 21.0

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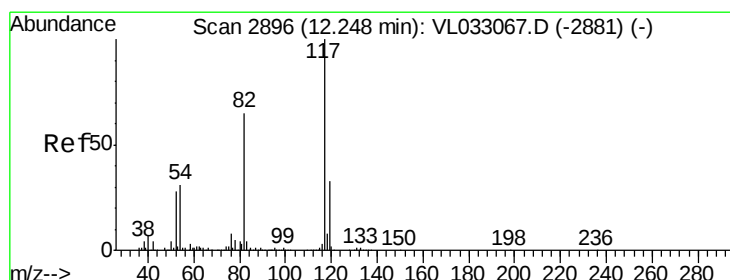
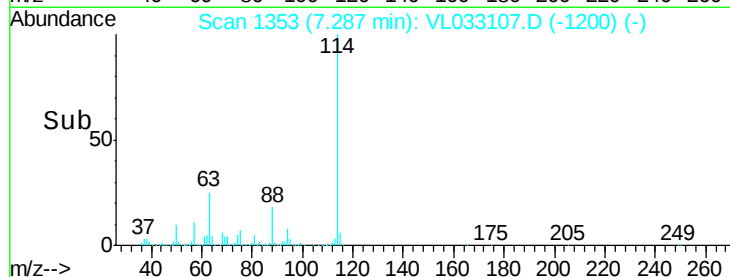
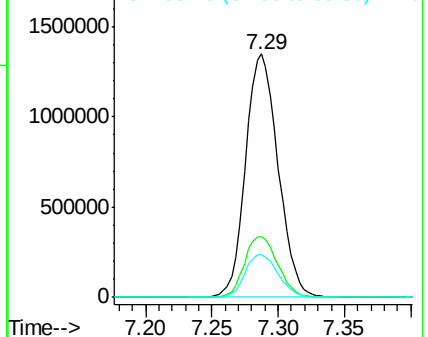
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL033107.D

Acq: 17 Jan 2019 1:17

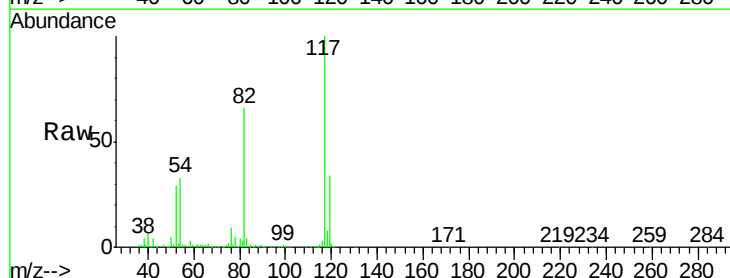
Tgt Ion:117 Resp: 2065803

Ion Ratio Lower Upper

117 100

82 66.0 48.9 73.3

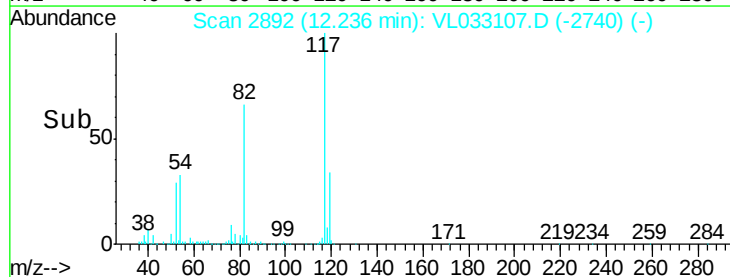
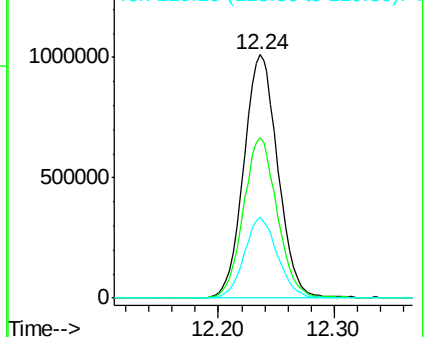
119 32.6 24.6 37.0

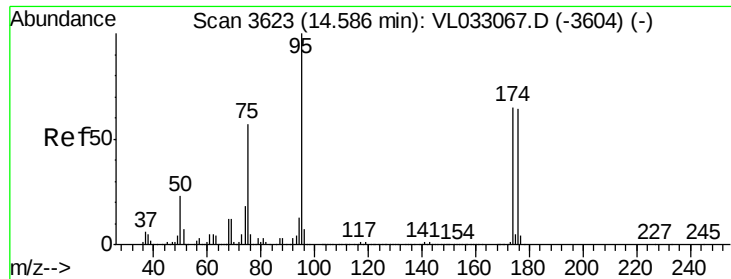


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.692 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.02 min
 Lab File: VL033107.D
 Acq: 17 Jan 2019 1:17

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10305

Tot Ion	Ratio	Lower	Upper
95	100		
174	64.1	51.9	77.9
175	4.5	3.9	5.9

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