

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

Quant Time: Jan 17 03:57:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
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%

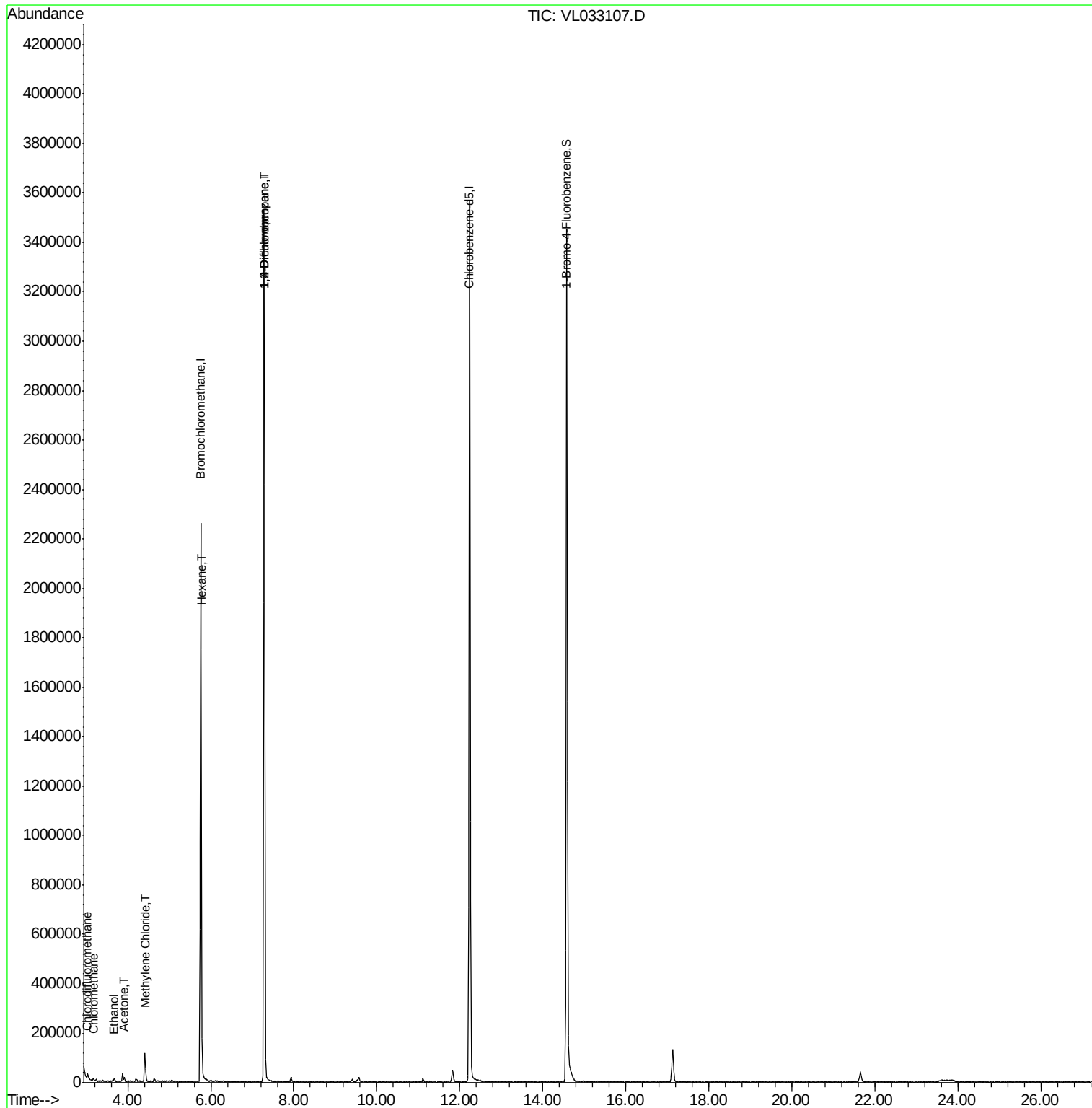
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	4936	0.046	ppbv #	89
4) Chloromethane	3.17	50	3133	0.051	ppbv #	58
13) Ethanol	3.66	45	3533	0.221	ppbv #	40
15) Acetone	3.91	43	16925	0.129	ppbv	97
20) Methylene Chloride	4.41	84	37201	0.679	ppbv	99
26) Hexane	5.78	57	10337	0.099	ppbv #	26
39) 1,2-Dichloropropane	7.28	63	586800	8.309	ppbv #	22

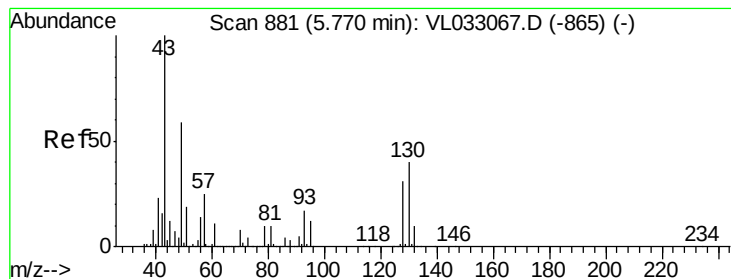
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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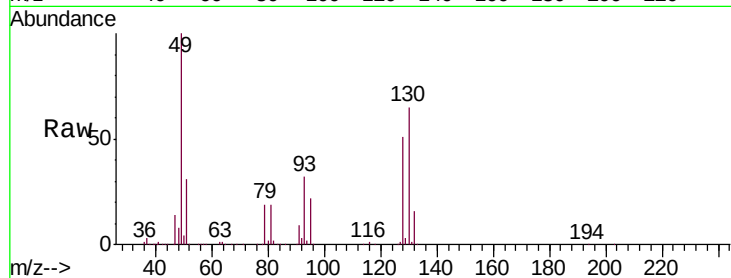
Tgt Ion: 49 Resp: 949921

Ion Ratio Lower Upper

49 100

128 52.3 26.2 78.5

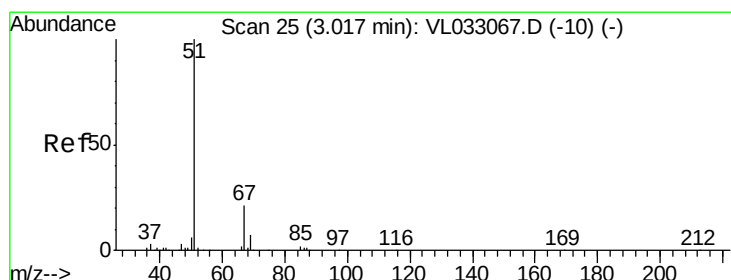
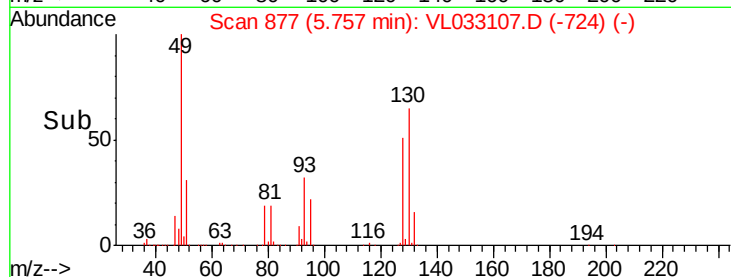
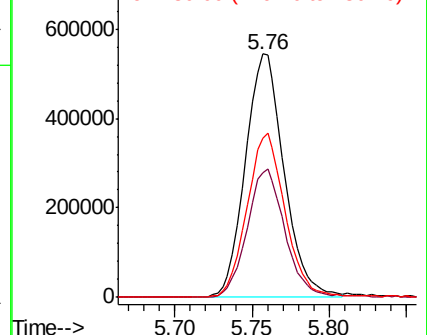
130 67.1 33.6 100.6



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



#3

Chlorodifluoromethane

Concen: 0.046 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033107.D

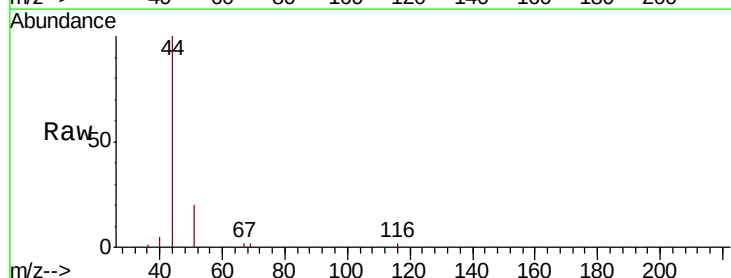
Acq: 17 Jan 2019 1:17

Tgt Ion: 51 Resp: 4936

Ion Ratio Lower Upper

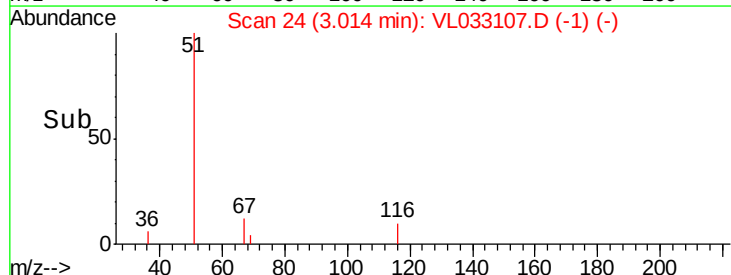
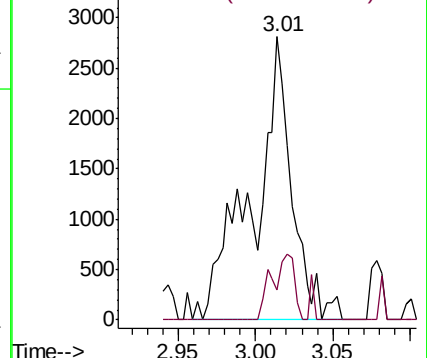
51 100

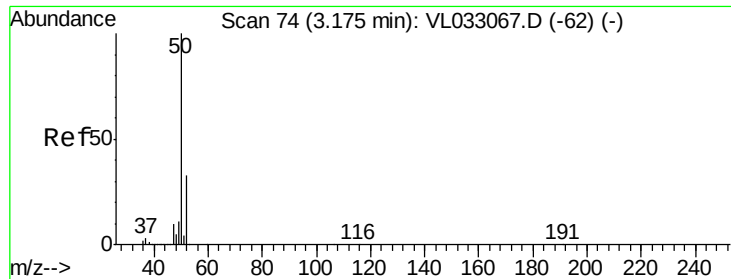
67 15.2 16.3 24.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.051 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.01 min

Lab File: VL033107.D

Acq: 17 Jan 2019 1:17

Instrument :

MSVOA_L

ClientSampleId :

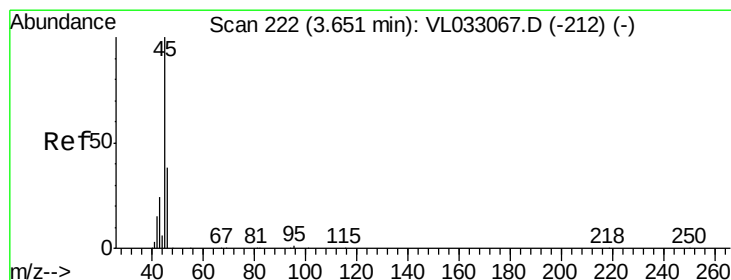
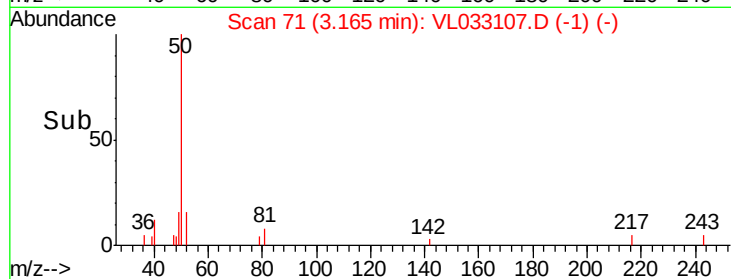
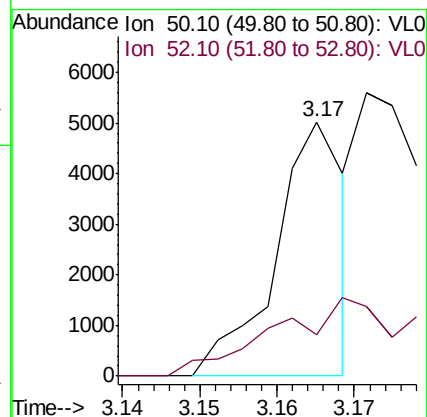
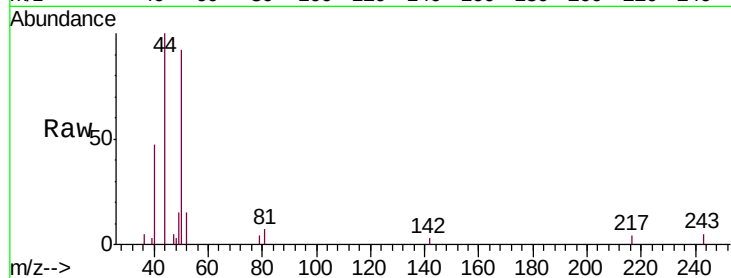
CAN 10305

Tgt Ion: 50 Resp: 3133

Ion Ratio Lower Upper

50 100

52 9.8 26.9 40.3#



#13

Ethanol

Concen: 0.221 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033107.D

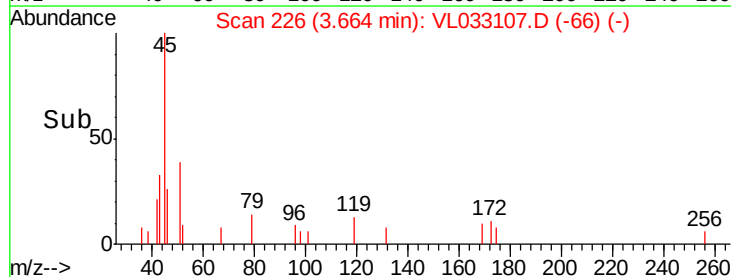
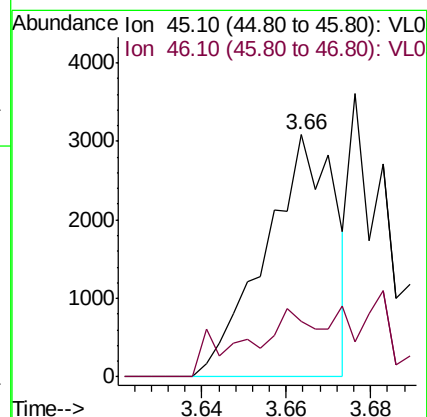
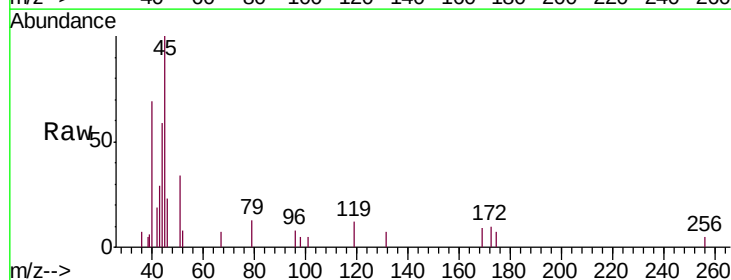
Acq: 17 Jan 2019 1:17

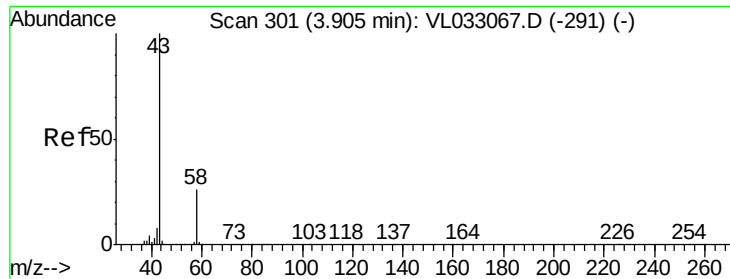
Tgt Ion: 45 Resp: 3533

Ion Ratio Lower Upper

45 100

46 0.0 13.8 55.2#





#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

Instrument :

MSVOA_L

ClientSampleId :

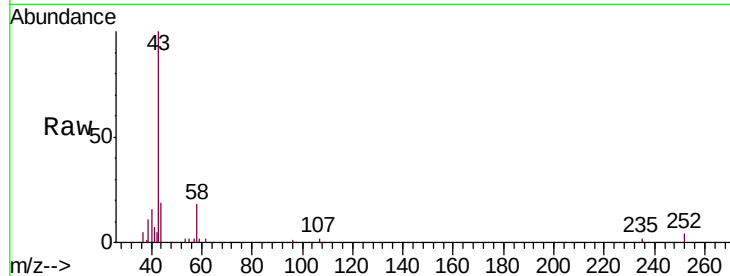
CAN 10305

Tgt Ion: 43 Resp: 16925

Ion Ratio Lower Upper

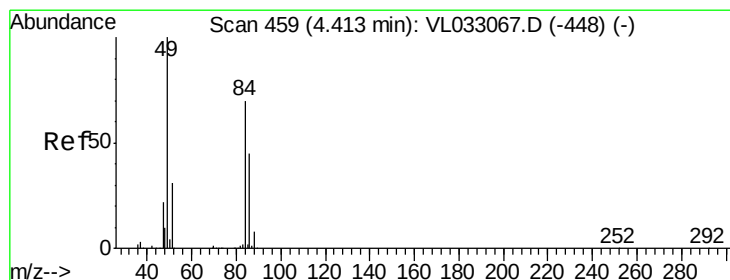
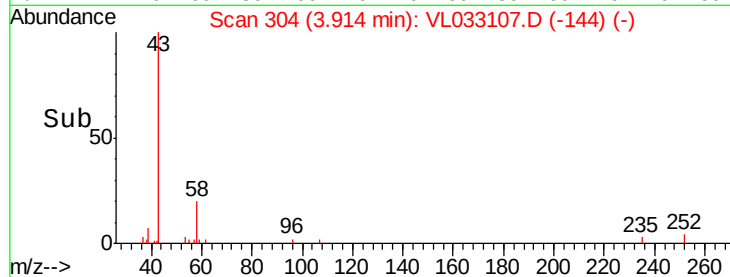
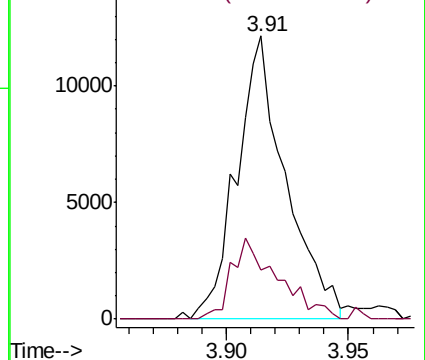
43 100

58 28.2 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.679 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033107.D

Acq: 17 Jan 2019 1:17

Tgt Ion: 84 Resp: 37201

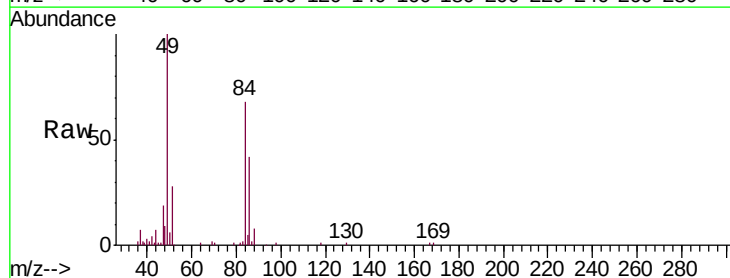
Ion Ratio Lower Upper

84 100

49 145.3 115.8 173.6

51 41.4 35.7 53.5

86 61.2 49.7 74.5

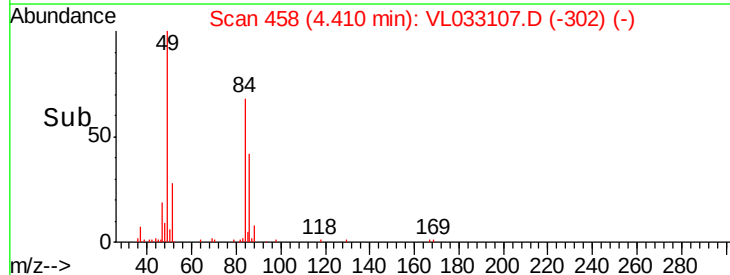
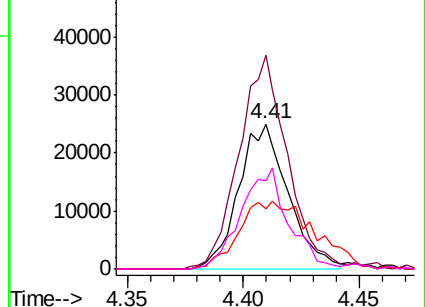


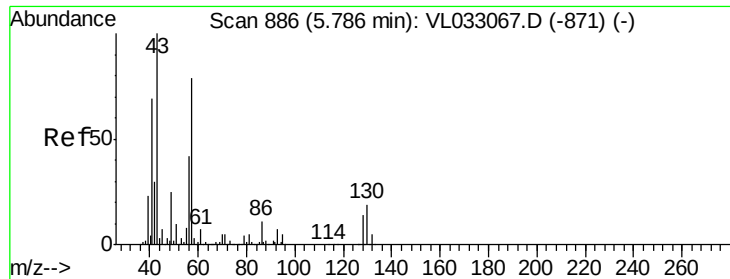
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

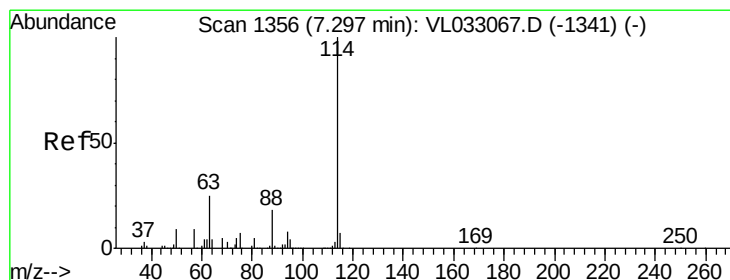
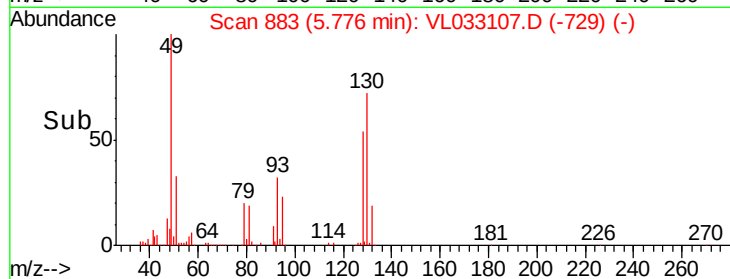
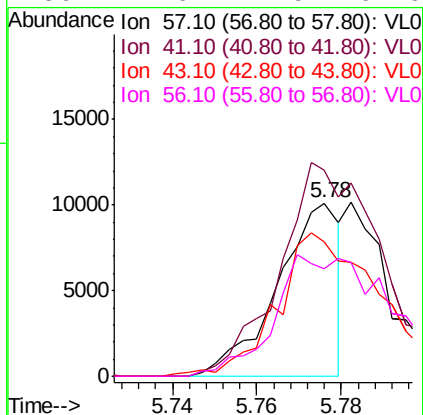
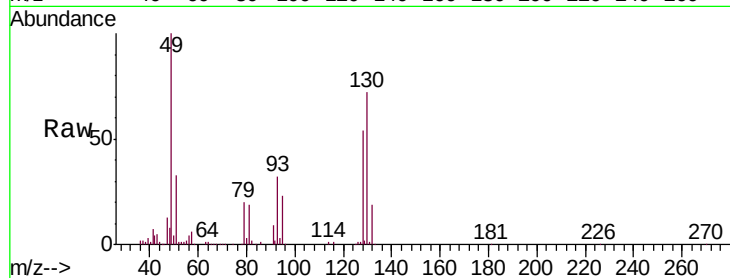




#26
Hexane
Concen: 0.099 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033107.D
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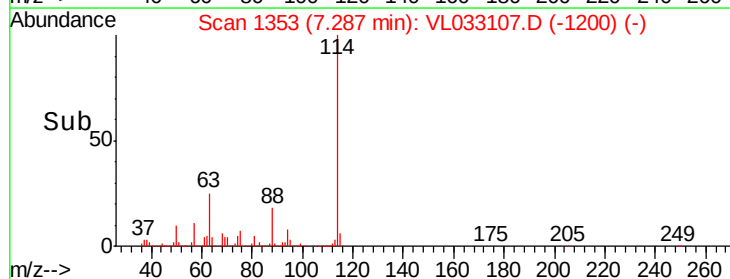
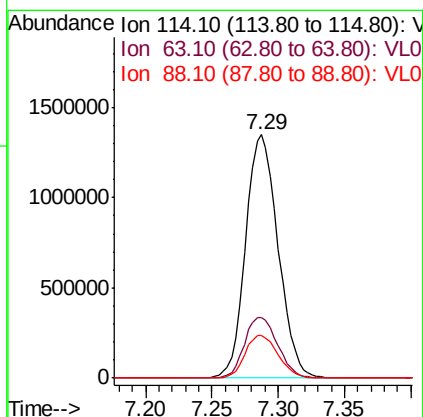
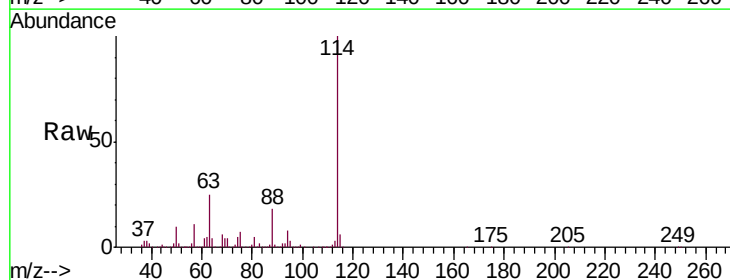
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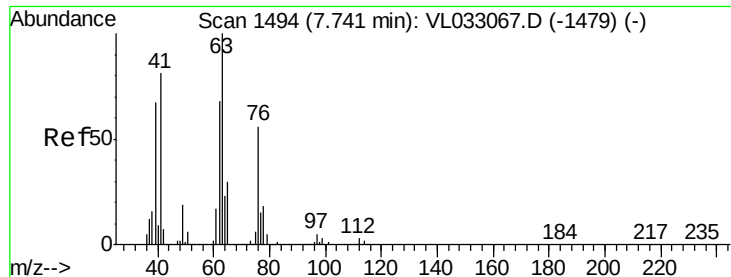
Tgt Ion: 57 Resp: 10337
Ion Ratio Lower Upper
57 100
41 197.6 70.8 106.2#
43 137.9 171.8 257.6#
56 127.6 41.9 62.9#



#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

Tgt Ion: 114 Resp: 2294857
Ion Ratio Lower Upper
114 100
63 25.7 20.1 30.1
88 18.1 14.0 21.0

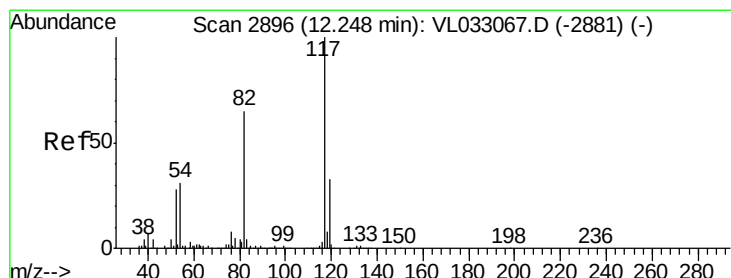
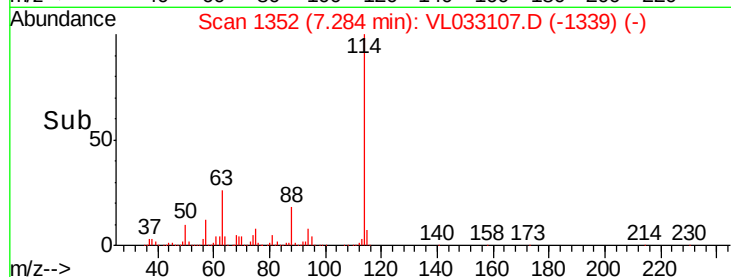
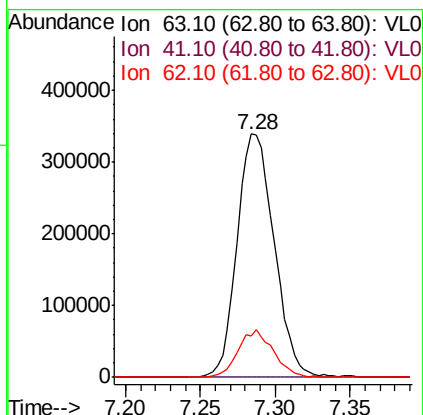
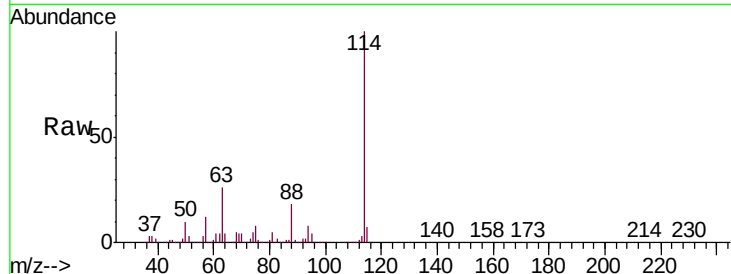




#39
 1,2-Dichloropropane
 Concen: 8.309 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033107.D
 Acq: 17 Jan 2019 1:17

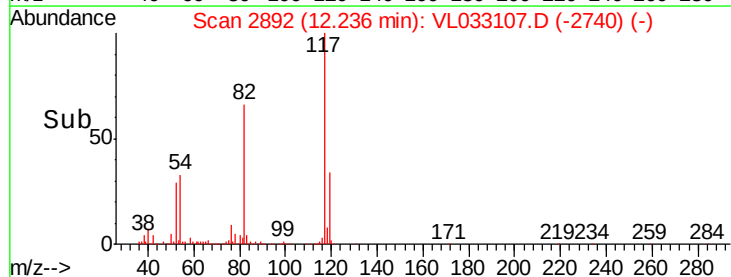
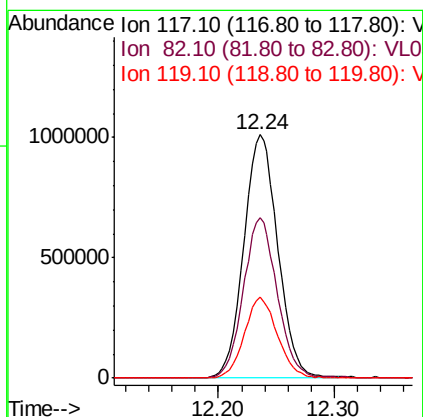
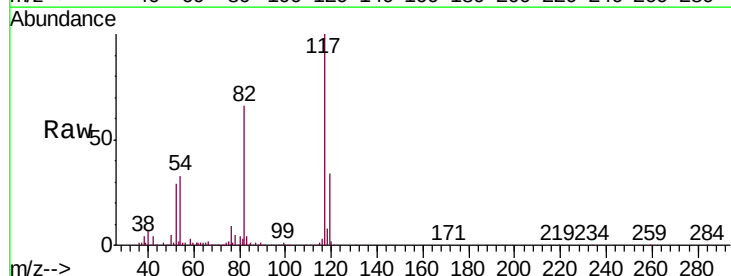
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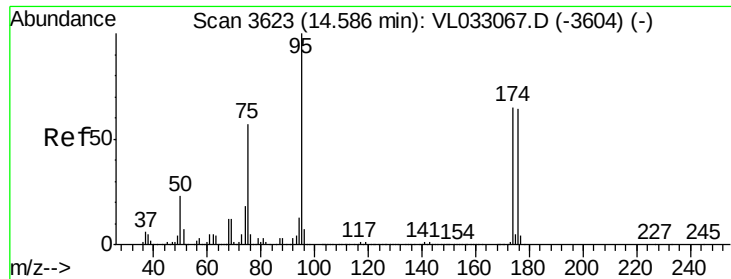
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	17.0	55.8	83.6#



#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	Ratio	Lower	Upper
117	100		
82	66.0	48.9	73.3
119	32.6	24.6	37.0





#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

Tgt Ion: 95 Resp: 1534708
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.9 77.9
 175 4.5 3.9 5.9

