

Data File : VL033106.D
Acq On : 17 Jan 2019 00:36
Operator : SY/AP
Sample : CAN 10324
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10324

Quant Time: Jan 17 01:56:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 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	963762	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2267944	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2053576	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1559965	9.91	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

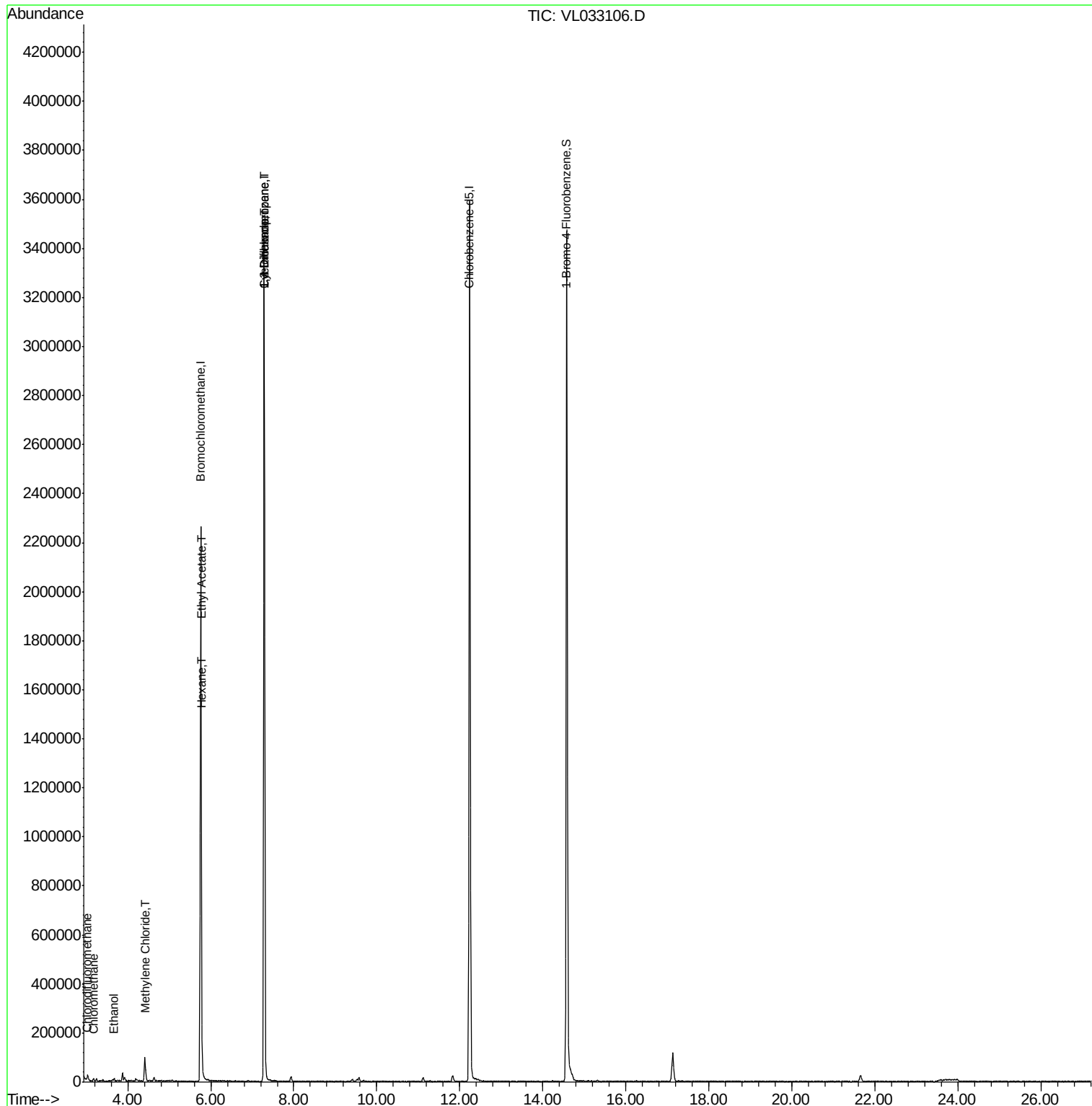
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	4282	0.039	ppbv #	88
4) Chloromethane	3.16	50	4097	0.066	ppbv #	83
13) Ethanol	3.66	45	1528	0.094	ppbv #	40
20) Methylene Chloride	4.41	84	31711	0.570	ppbv	94
25) Ethyl Acetate	5.78	43	8002	0.035	ppbv #	76
26) Hexane	5.78	57	13667	0.129	ppbv #	34
30) Cyclohexane	7.28	84	3956	0.050	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	573270	8.214	ppbv #	23

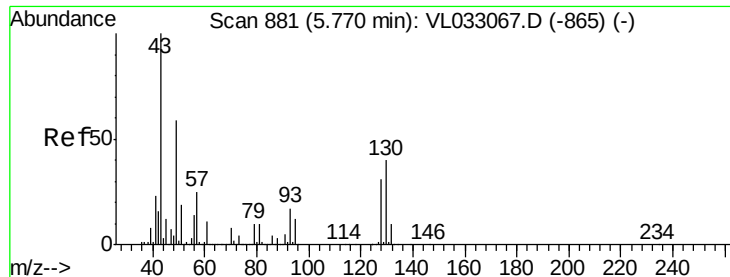
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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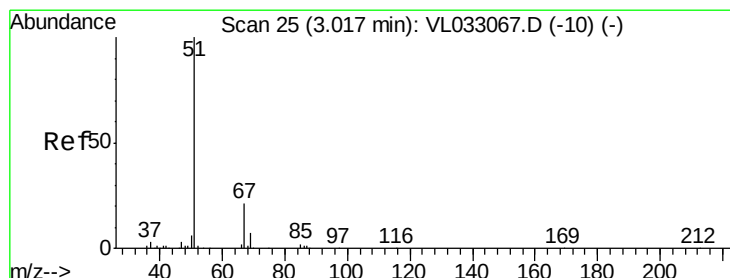
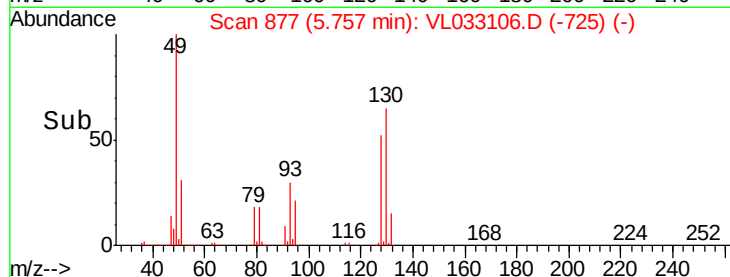
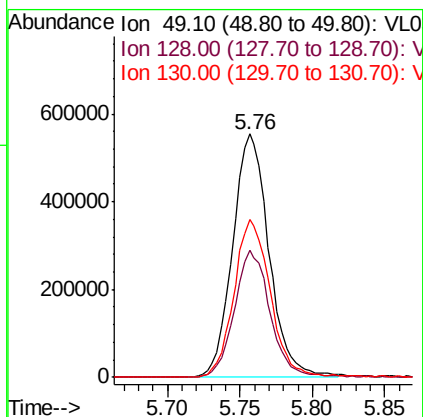
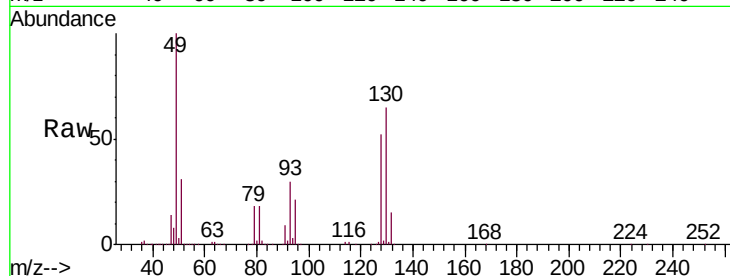




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.76 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: VL033106.D
 Acq: 17 Jan 2019 00:36

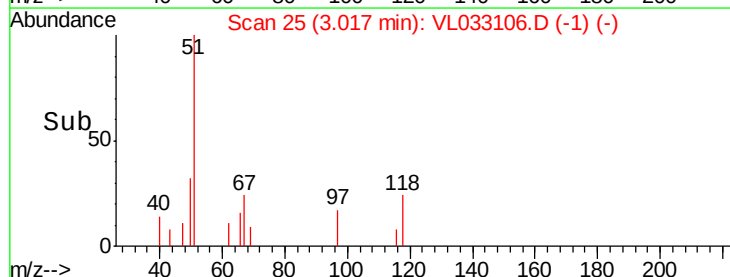
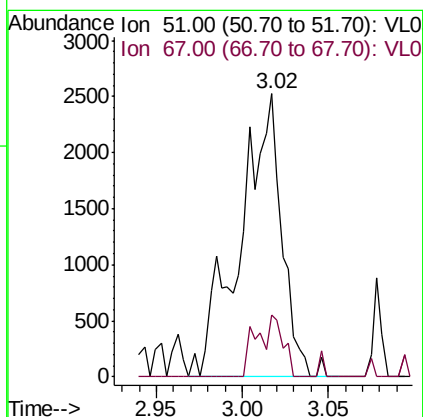
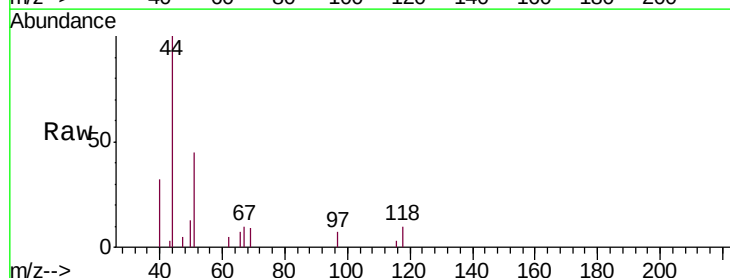
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10324

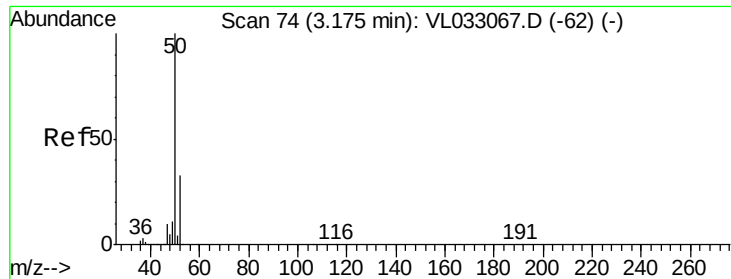
Tgt Ion: 49 Resp: 963762
 Ion Ratio Lower Upper
 49 100
 128 52.2 26.2 78.5
 130 65.0 33.6 100.6



#3
 Chlorodifluoromethane
 Concen: 0.039 ppbv
 RT: 3.02 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VL033106.D
 Acq: 17 Jan 2019 00:36

Tgt Ion: 51 Resp: 4282
 Ion Ratio Lower Upper
 51 100
 67 14.7 16.3 24.5#





#4

Chloromethane

Concen: 0.066 ppbv

RT: 3.16 min Scan# 71

Delta R.T. -0.01 min

Lab File: VL033106.D

Acq: 17 Jan 2019 00:36

Instrument :

MSVOA_L

ClientSampleId :

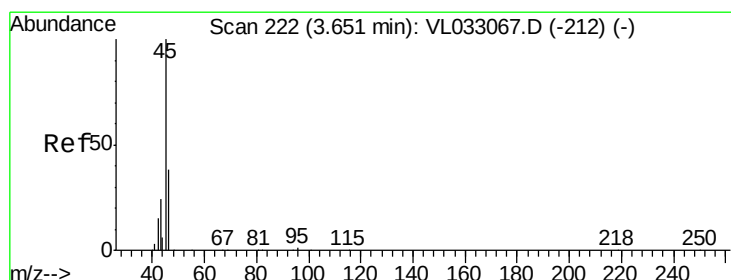
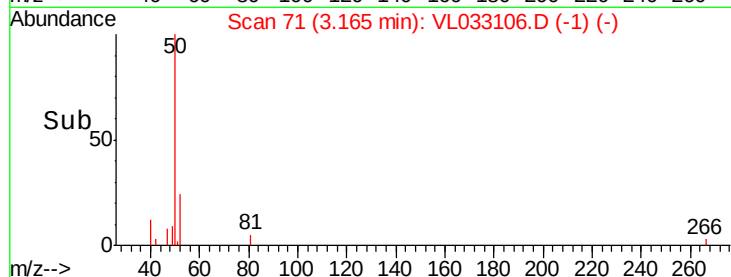
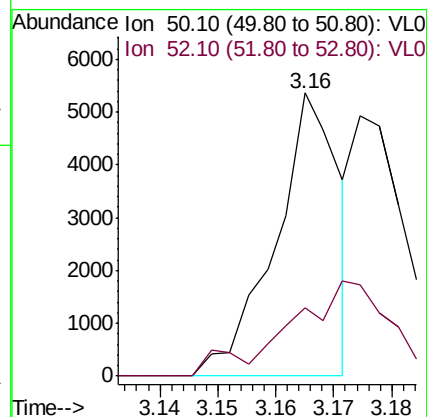
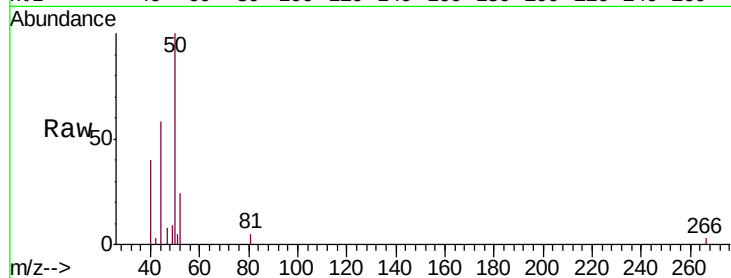
CAN 10324

Tgt Ion: 50 Resp: 4097

Ion Ratio Lower Upper

50 100

52 24.2 26.9 40.3#



#13

Ethanol

Concen: 0.094 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL033106.D

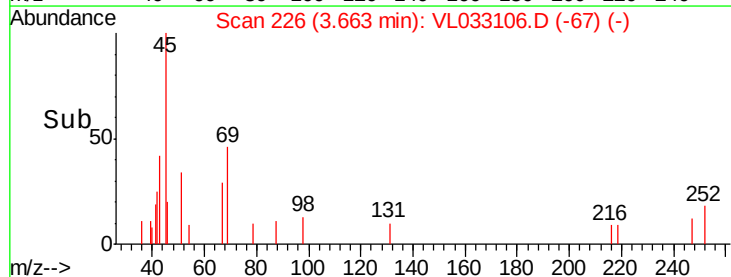
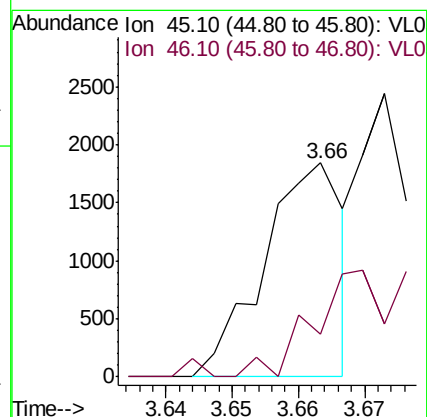
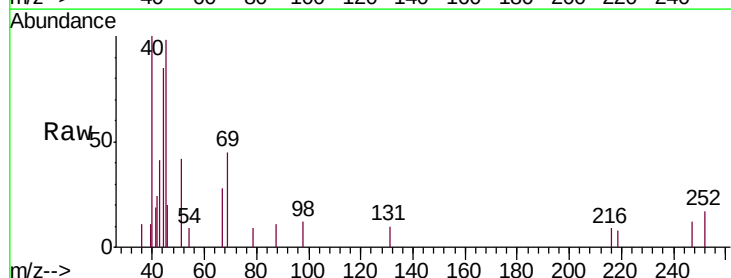
Acq: 17 Jan 2019 00:36

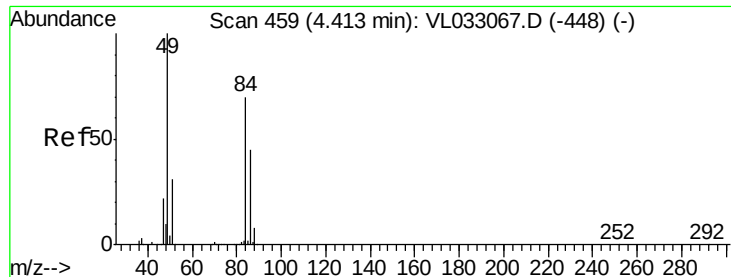
Tgt Ion: 45 Resp: 1528

Ion Ratio Lower Upper

45 100

46 0.0 13.8 55.2#

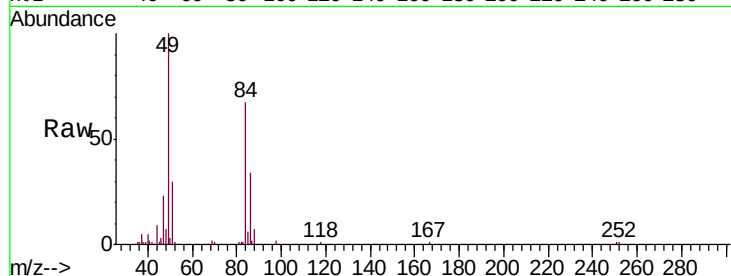




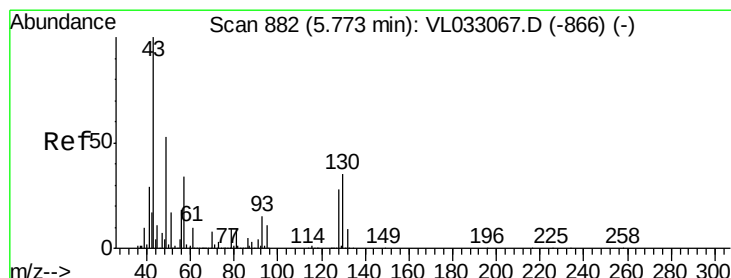
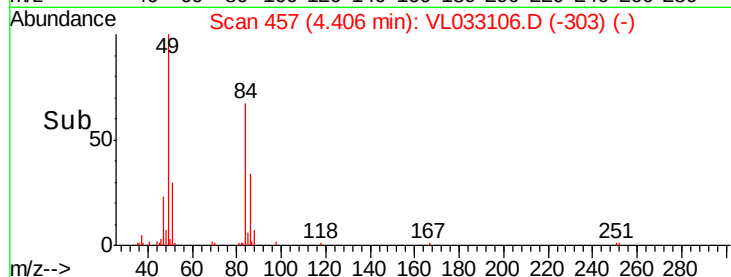
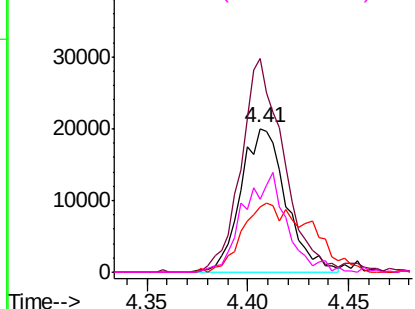
#20
Methylene Chloride
Concen: 0.570 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033106.D
Acq: 17 Jan 2019 00:36

Instrument :
MSVOA_L
ClientSampleId :
CAN 10324

Tgt Ion: 84 Resp: 31711
Ion Ratio Lower Upper
84 100
49 148.4 115.8 173.6
51 45.2 35.7 53.5
86 50.4 49.7 74.5

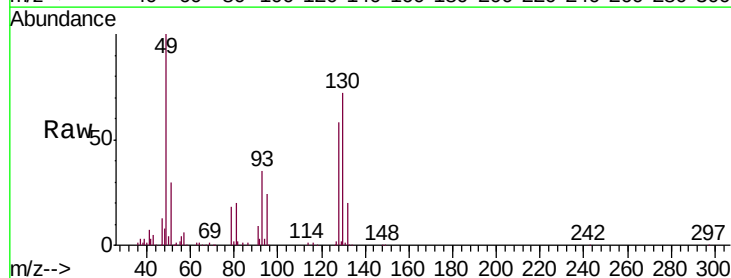


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

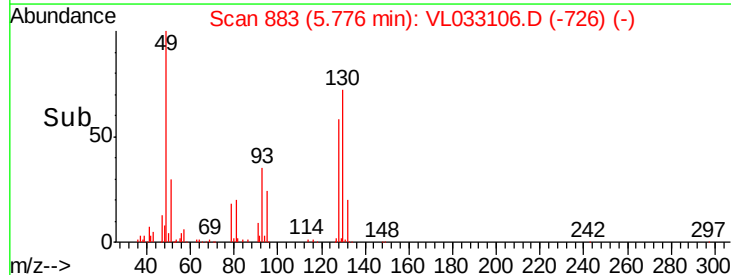
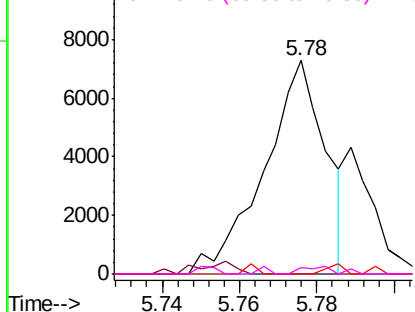


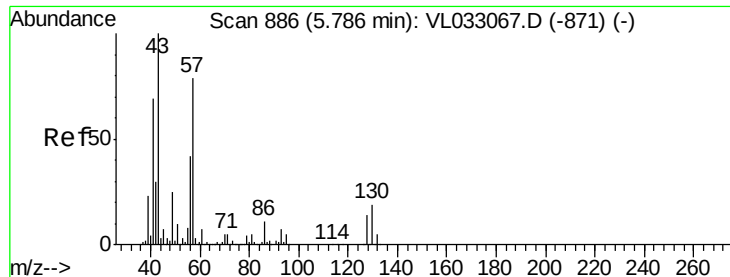
#25
Ethyl Acetate
Concen: 0.035 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033106.D
Acq: 17 Jan 2019 00:36

Tgt Ion: 43 Resp: 8002
Ion Ratio Lower Upper
43 100
45 0.0 7.9 11.9#
61 0.0 7.8 11.8#
70 2.0 6.0 9.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

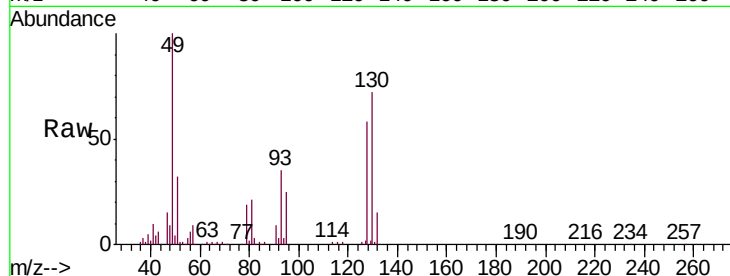




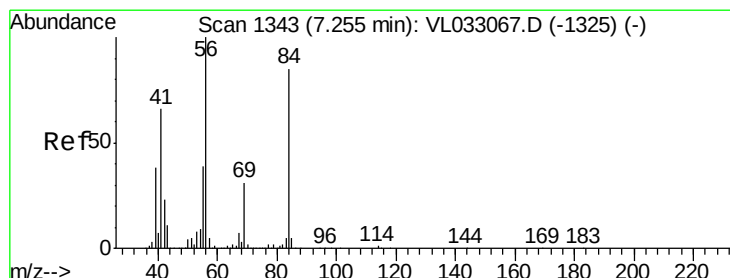
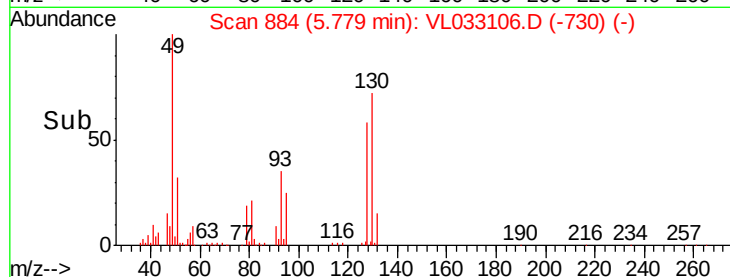
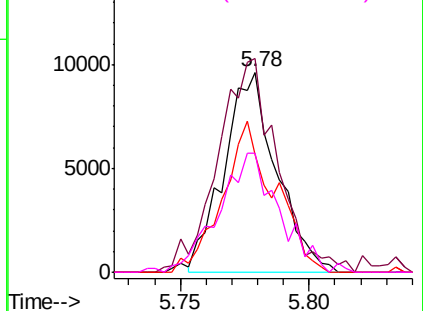
#26
Hexane
Concen: 0.129 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033106.D
Acq: 17 Jan 2019 00:36

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Tgt Ion: 57 Resp: 13667
Ion Ratio Lower Upper
57 100
41 124.4 70.8 106.2#
43 74.7 171.8 257.6#
56 69.2 41.9 62.9#

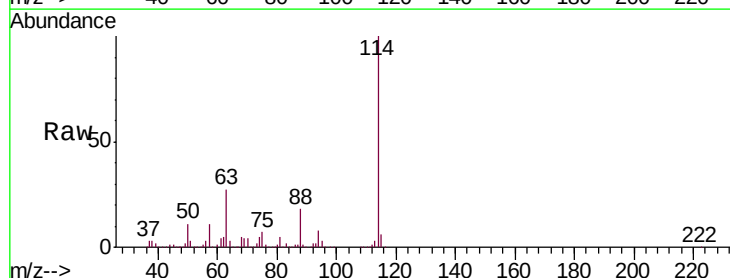


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

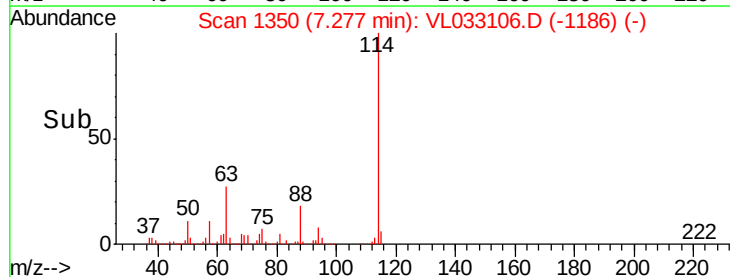
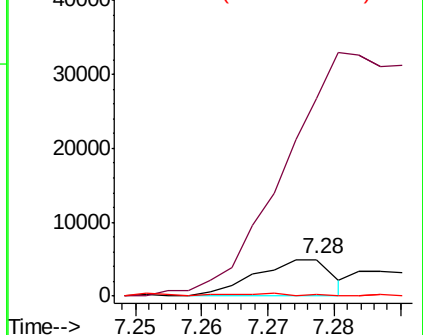


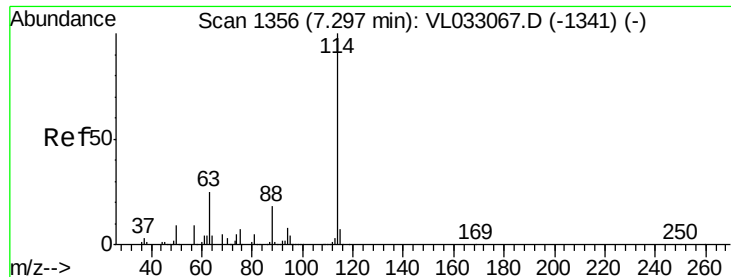
#30
Cyclohexane
Concen: 0.050 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. 0.03 min
Lab File: VL033106.D
Acq: 17 Jan 2019 00:36

Tgt Ion: 84 Resp: 3956
Ion Ratio Lower Upper
84 100
56 1489.2 101.8 152.6#
41 1.0 63.2 94.8#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

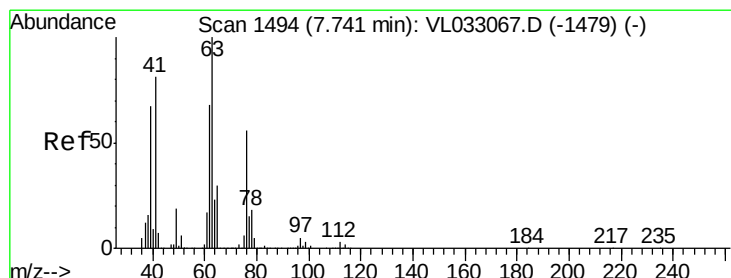
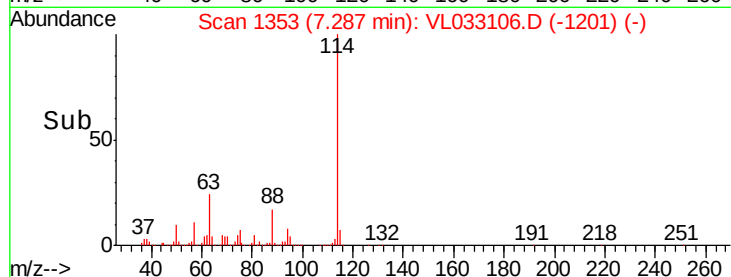
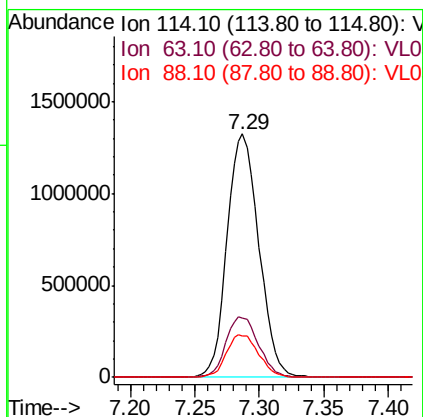
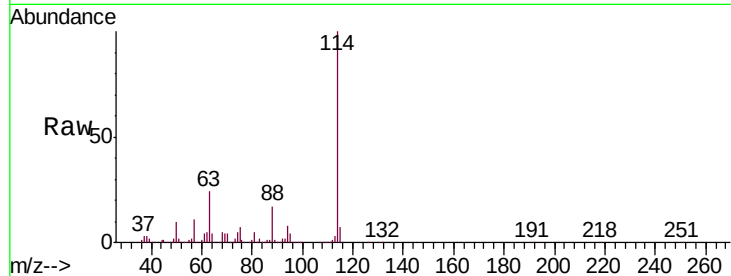




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033106.D
 Acq: 17 Jan 2019 00:36

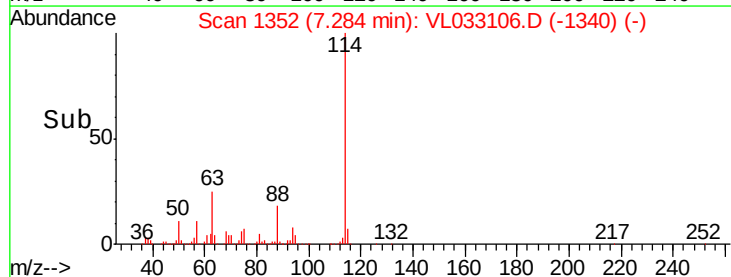
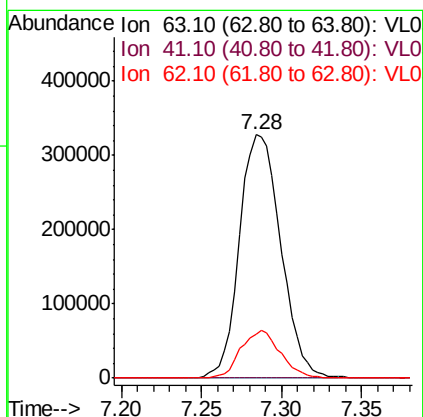
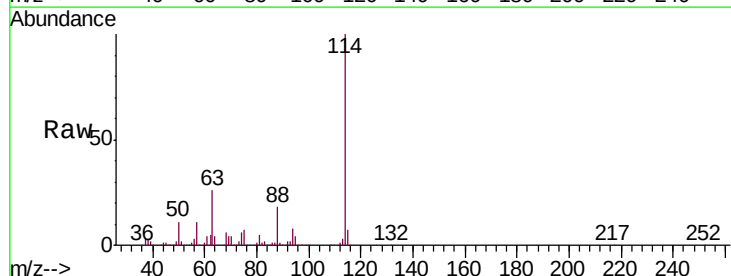
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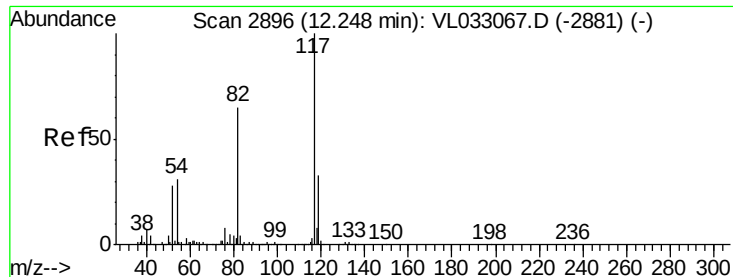
Tgt Ion: 114 Resp: 2267944
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.1 30.1
 88 17.8 14.0 21.0



#39
 1,2-Dichloropropane
 Concen: 8.214 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.46 min
 Lab File: VL033106.D
 Acq: 17 Jan 2019 00:36

Tgt Ion: 63 Resp: 573270
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 18.2 55.8 83.6#

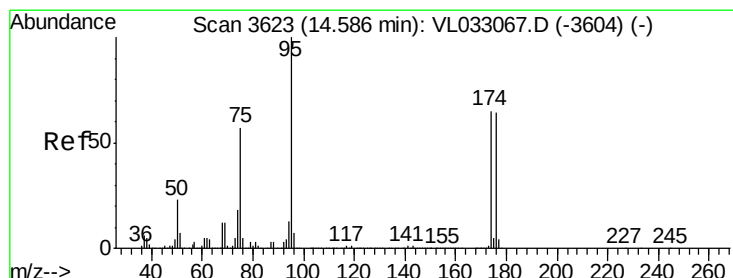
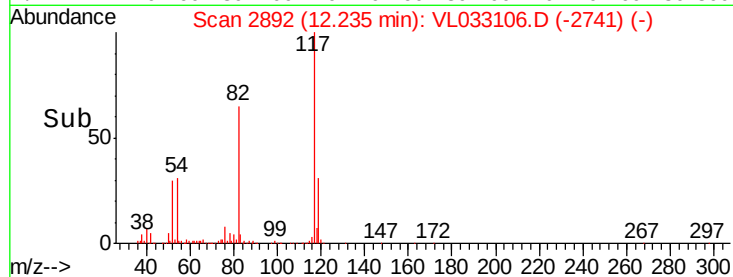
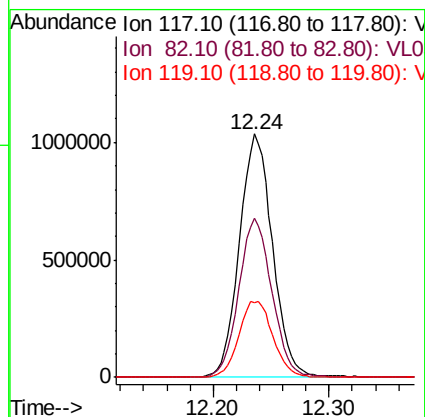
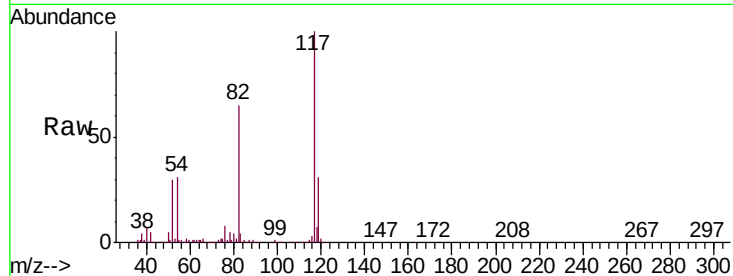




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033106.D
Acq: 17 Jan 2019 00:36

Instrument :
MSVOA_L
ClientSampleId :
CAN 10324

Tgt Ion: 117 Resp: 2053576
Ion Ratio Lower Upper
117 100
82 66.0 48.9 73.3
119 32.5 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.910 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033106.D
Acq: 17 Jan 2019 00:36

Tgt Ion: 95 Resp: 1559965
Ion Ratio Lower Upper
95 100
174 64.4 51.9 77.9
175 4.8 3.9 5.9

